

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062419\
 Data File : VN056468.D
 Acq On : 24 Jun 2019 20:04
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/26/2019 8:14:28 AM

Quant Time: Jun 25 03:15:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	380879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	598531	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	530851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	223799	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	206438	48.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.80%	
35) Dibromofluoromethane	7.59	113	185190	49.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.20%	
50) Toluene-d8	10.09	98	693228	47.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.42%	
62) 4-Bromofluorobenzene	12.40	95	235995	48.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.46%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	147831	45.838	ug/l	99
3) Chloromethane	2.06	50	189139	43.071	ug/l	100
4) Vinyl Chloride	2.18	62	197537	46.574	ug/l	99
5) Bromomethane	2.52	94	107768m	43.342	ug/l	
6) Chloroethane	2.67	64	117324m	47.767	ug/l	
7) Trichlorofluoromethane	3.00	101	260605	47.500	ug/l	98
8) Diethyl Ether	3.41	74	113566	48.910	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	166915	47.707	ug/l	100
10) Methyl Iodide	3.95	142	237100	50.140	ug/l	99
11) Tert butyl alcohol	4.80	59	185546	260.973	ug/l	100
12) 1,1-Dichloroethene	3.73	96	163472	48.586	ug/l	95
13) Acrolein	3.60	56	141455	236.064	ug/l	99
14) Allyl chloride	4.32	41	276513	49.370	ug/l	100
15) Acrylonitrile	4.99	53	498504	253.444	ug/l	100
16) Acetone	3.82	43	439180	207.656	ug/l	100
17) Carbon Disulfide	4.05	76	332646	43.467	ug/l	100
18) Methyl Acetate	4.32	43	215860	52.149	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	562933	50.563	ug/l	100
20) Methylene Chloride	4.55	84	194743	48.824	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	174828	48.195	ug/l	95
22) Diisopropyl ether	5.95	45	587450	49.942	ug/l	96
23) Vinyl Acetate	5.90	43	2442291	263.248	ug/l	100
24) 1,1-Dichloroethane	5.85	63	334258	49.504	ug/l	100
25) 2-Butanone	6.84	43	677222	241.940	ug/l	98
26) 2,2-Dichloropropane	6.82	77	221182	47.099	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	211404	49.812	ug/l	99
28) Bromochloromethane	7.19	49	159346	47.712	ug/l	96
29) Tetrahydrofuran	7.21	42	442888	258.914	ug/l	100
30) Chloroform	7.37	83	331046	49.687	ug/l	99
31) Cyclohexane	7.65	56	294181	45.130	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	270549	51.229	ug/l	99
36) 1,1-Dichloropropene	7.79	75	240561	45.663	ug/l	98
37) Ethyl Acetate	6.93	43	260996	50.412	ug/l	99
38) Carbon Tetrachloride	7.77	117	223512	48.517	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	292397	44.981	ug/l	99
40) Benzene	8.04	78	763896	47.140	ug/l	99
41) Methacrylonitrile	7.17	41	119425	52.239	ug/l	93
42) 1,2-Dichloroethane	8.12	62	247793	46.334	ug/l	100
43) Isopropyl Acetate	8.17	43	422926	52.977	ug/l #	91
44) Trichloroethene	8.83	130	209952	48.097	ug/l	99
45) 1,2-Dichloropropane	9.12	63	209764	48.402	ug/l	99
46) Dibromomethane	9.21	93	131886	48.642	ug/l	98
47) Bromodichloromethane	9.40	83	245767	51.108	ug/l	99
48) Methyl methacrylate	9.20	41	203552	50.881	ug/l	98
49) 1,4-Dioxane	9.20	88	76564	922.242	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	1303615	253.001	ug/l	100
52) Toluene	10.16	92	467445	47.182	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	259850	46.603	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	299371	51.697	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	196815	49.422	ug/l	99
56) Ethyl methacrylate	10.43	69	302031	51.897	ug/l	99
57) 1,3-Dichloropropane	10.71	76	330280	49.369	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	474462	226.930	ug/l	98
59) 2-Hexanone	10.75	43	902560	238.331	ug/l	99
60) Dibromochloromethane	10.90	129	192943	47.273	ug/l	100
61) 1,2-Dibromoethane	11.00	107	205783	50.595	ug/l	100
64) Tetrachloroethene	10.63	164	205057	48.778	ug/l	98
65) Chlorobenzene	11.43	112	511447	47.948	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	187464	52.000	ug/l	98
67) Ethyl Benzene	11.51	91	890375	47.539	ug/l	100
68) m/p-Xylenes	11.62	106	668945	97.459	ug/l	100
69) o-Xylene	11.95	106	331248	48.780	ug/l	98
70) Styrene	11.96	104	554079	51.047	ug/l	99
71) Bromoform	12.13	173	137979	47.603	ug/l #	99
73) Isopropylbenzene	12.25	105	873859	52.099	ug/l	100
74) N-amyl acetate	12.07	43	328059	46.059	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	271061	52.224	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	238792m	51.458	ug/l	
77) Bromobenzene	12.53	156	230283	46.018	ug/l	100
78) n-propylbenzene	12.59	91	942460	45.986	ug/l	100
79) 2-Chlorotoluene	12.67	91	576308	51.350	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	716404	50.905	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	68949	52.808	ug/l	94
82) 4-Chlorotoluene	12.77	91	549597	45.418	ug/l	99
83) tert-Butylbenzene	12.99	119	639314	52.214	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	699121	46.404	ug/l	99
85) sec-Butylbenzene	13.17	105	820588	45.554	ug/l	100
86) p-Isopropyltoluene	13.29	119	722011	46.704	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	357861	47.189	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	345238	47.006	ug/l	99
89) n-Butylbenzene	13.61	91	535857	45.788	ug/l	100
90) Hexachloroethane	13.87	117	115168	47.784	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	354174	47.072	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41053	49.576	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	148210	39.193	ug/l	98
94) Hexachlorobutadiene	15.01	225	128038	50.223	ug/l	97
95) Naphthalene	15.13	128	417562	41.744	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	165657	41.627	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

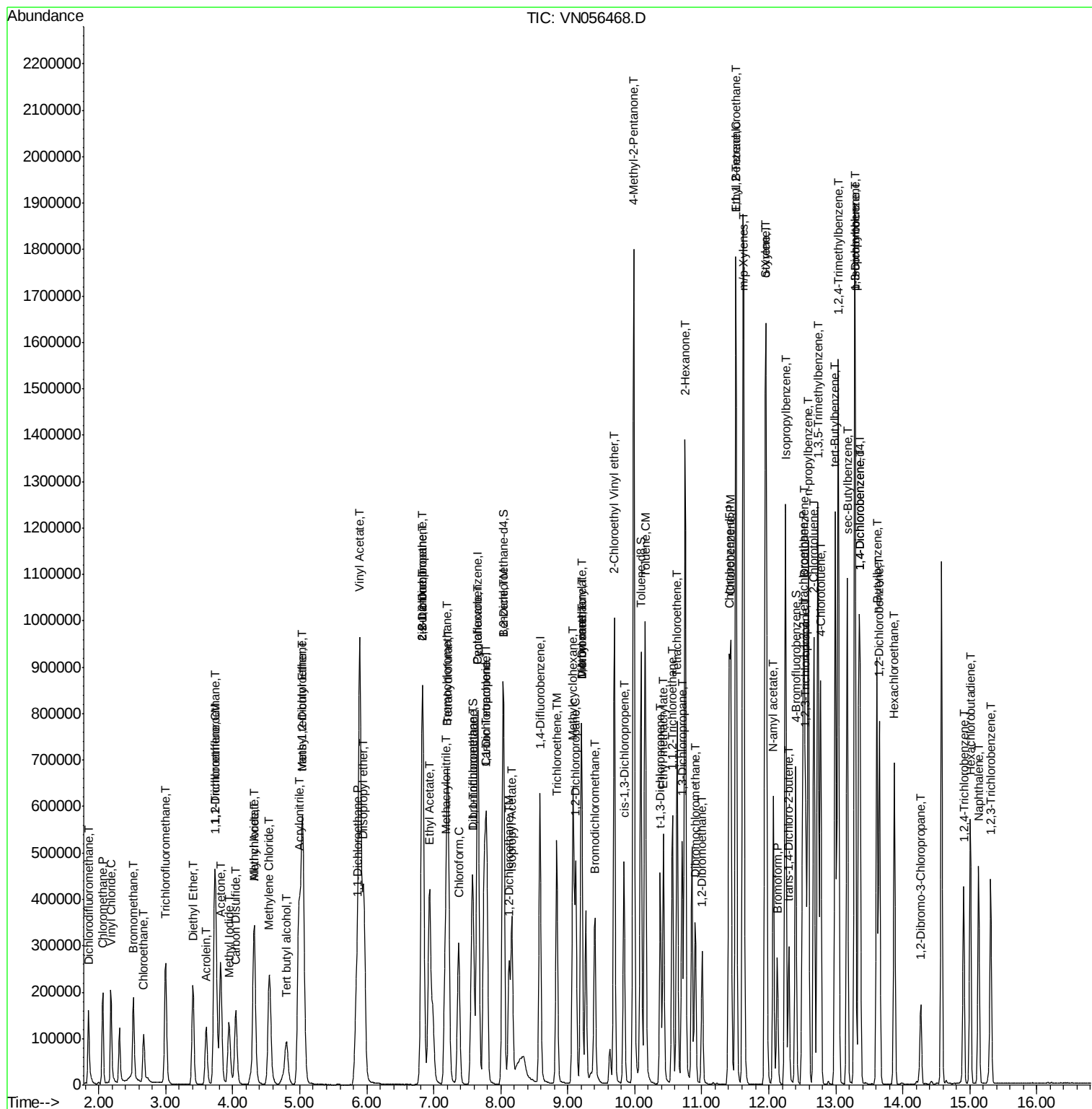
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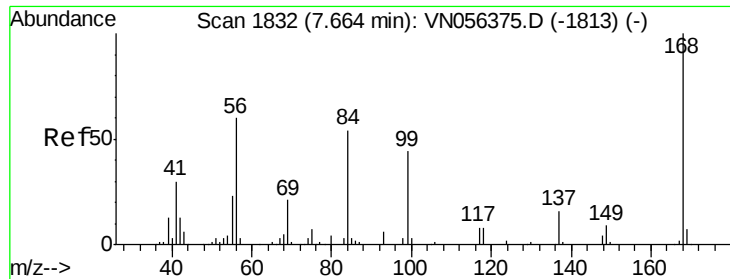
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056468.D

Acq: 24 Jun 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 380879

Ion Ratio Lower Upper

168 100

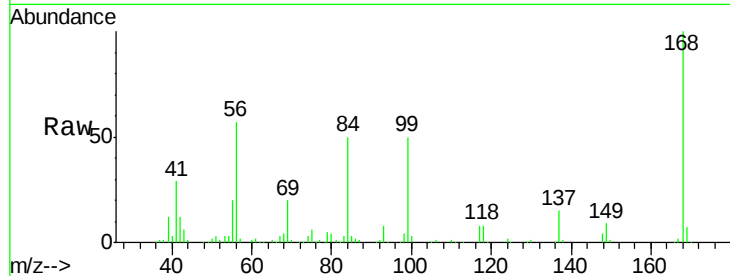
99 49.1 40.6 61.0

Manual Integrations

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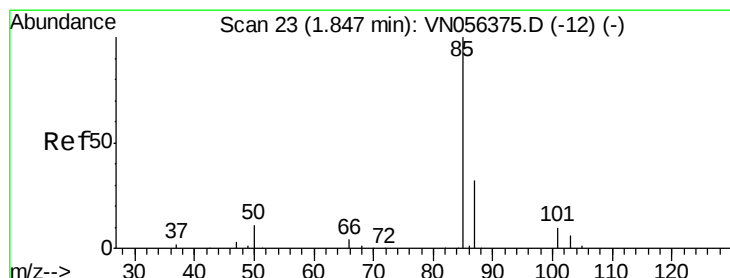
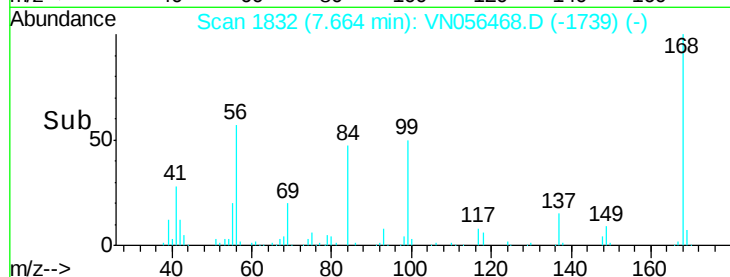
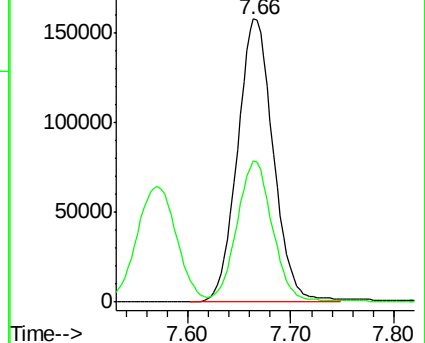
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.838 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056468.D

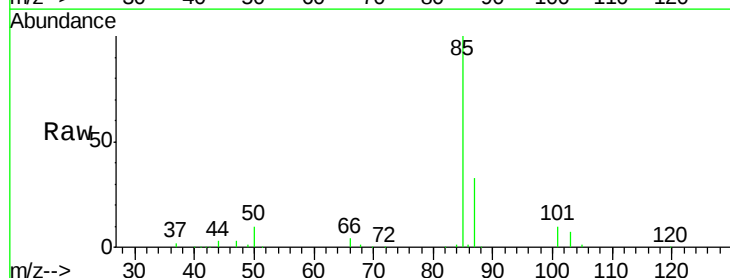
Acq: 24 Jun 2019 20:04

Tgt Ion: 85 Resp: 147831

Ion Ratio Lower Upper

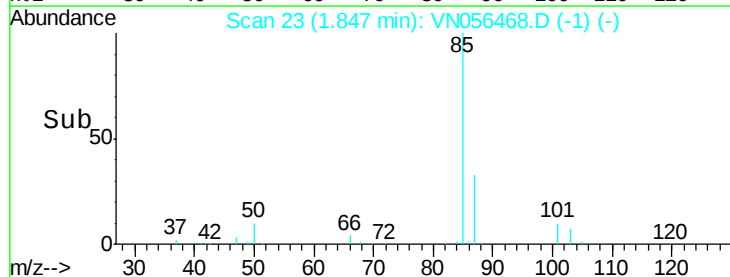
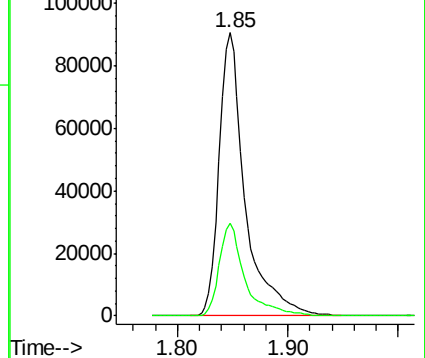
85 100

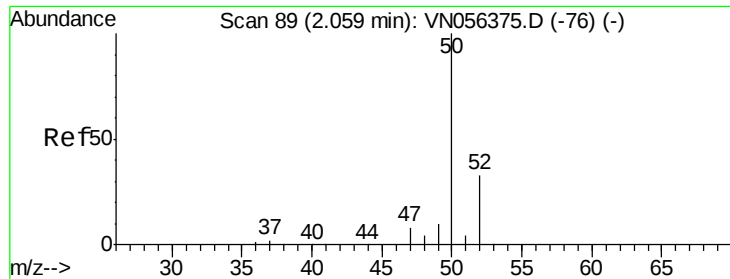
87 32.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 43.071 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056468.D

Acq: 24 Jun 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 189139

Ion Ratio Lower Upper

50 100

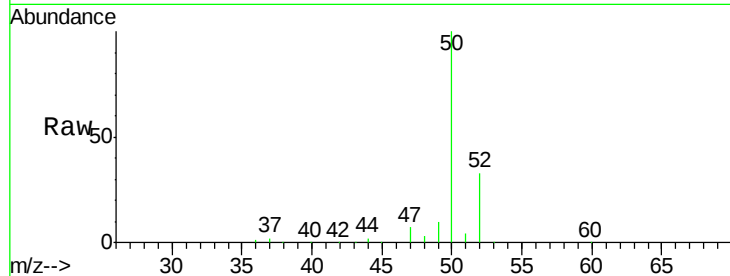
52 33.1 26.5 39.7

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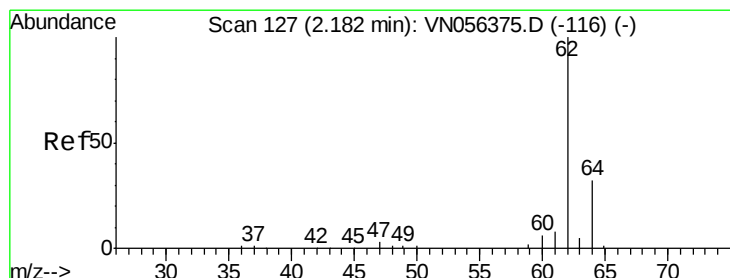
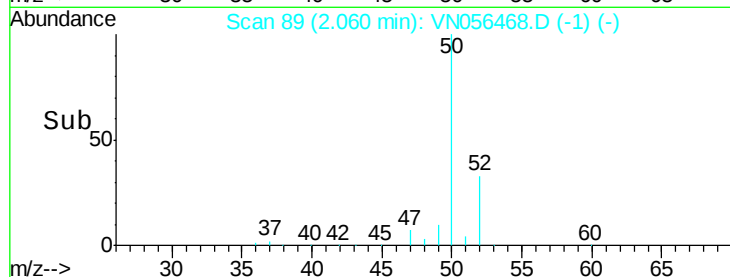
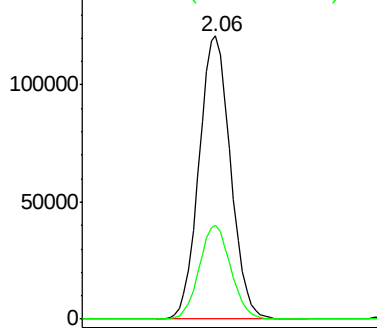
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 46.574 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056468.D

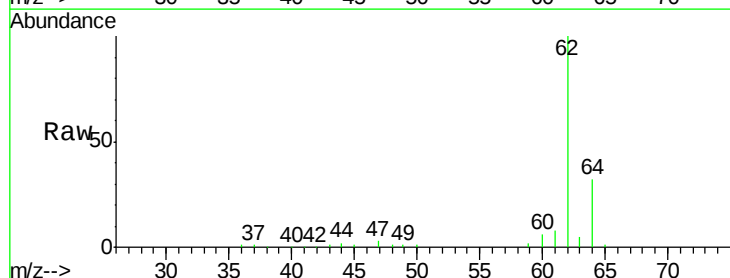
Acq: 24 Jun 2019 20:04

Tgt Ion: 62 Resp: 197537

Ion Ratio Lower Upper

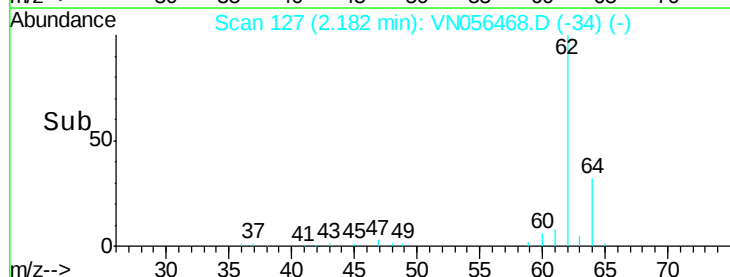
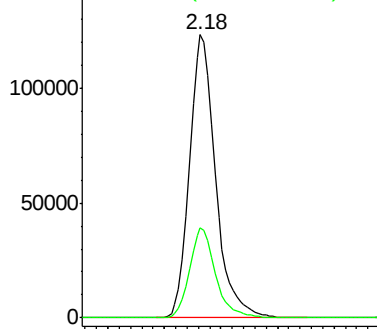
62 100

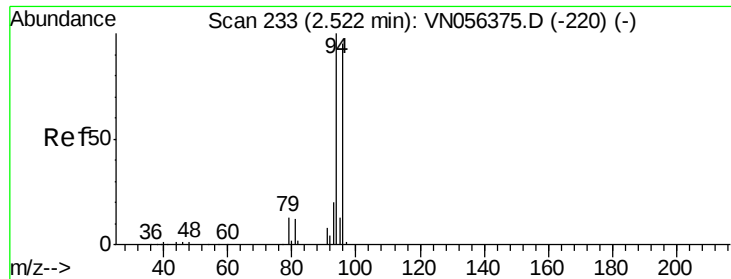
64 31.8 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 43.342 ug/l m

RT: 2.52 min Scan# 231

Delta R.T. -0.01 min

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Tot Ion: 94 Resp: 107768

Ion Ratio Lower Upper

94 100

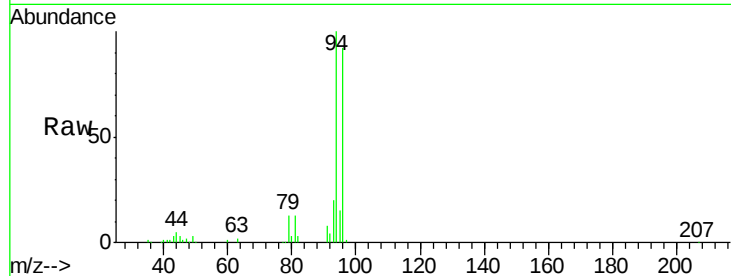
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Manual Integrations

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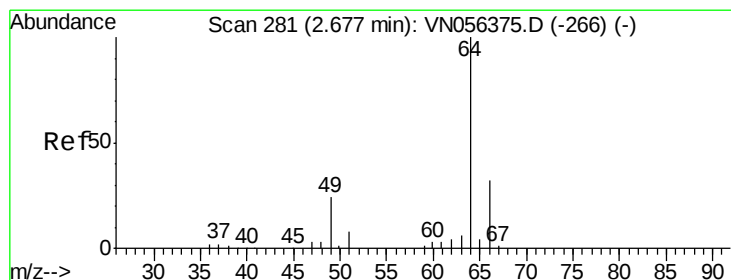
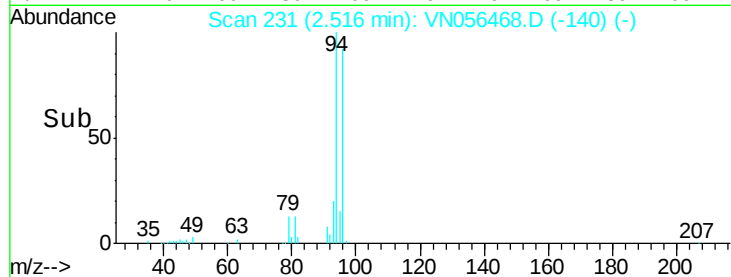
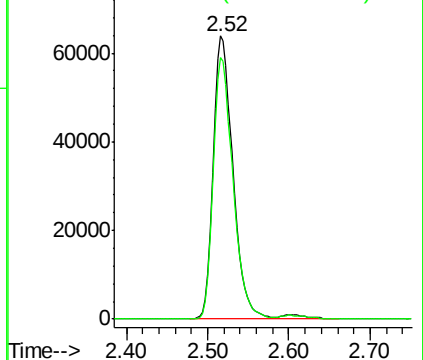
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 47.767 ug/l m

RT: 2.67 min Scan# 279

Delta R.T. -0.01 min

Lab File: VN056468.D

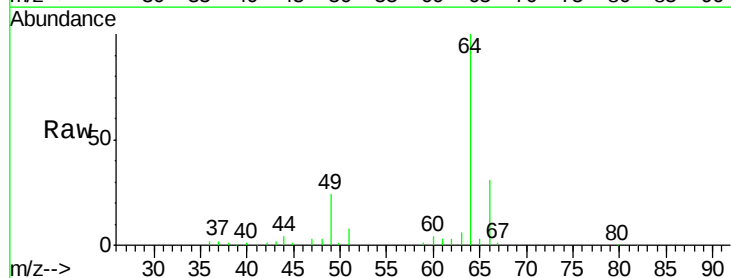
Acq: 24 Jun 2019 20:04

Tgt Ion: 64 Resp: 117324

Ion Ratio Lower Upper

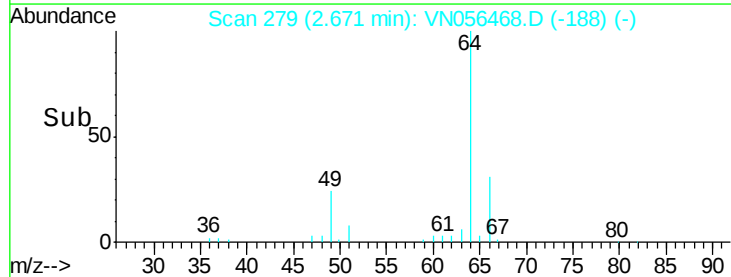
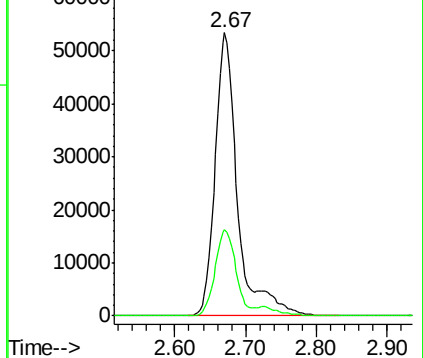
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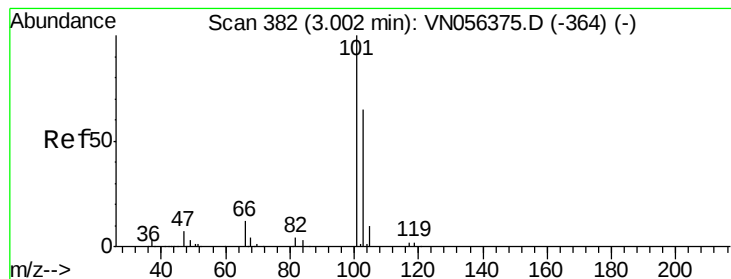
66 30.5 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

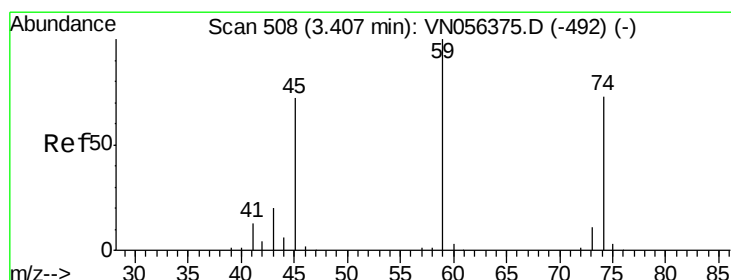
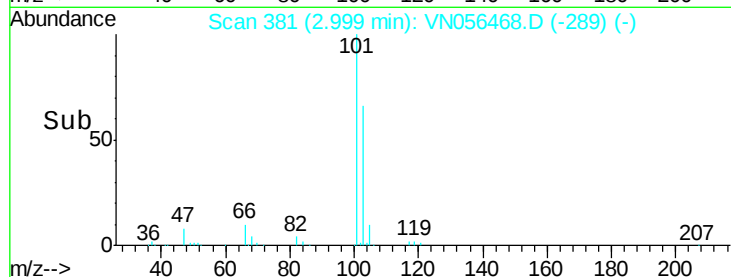
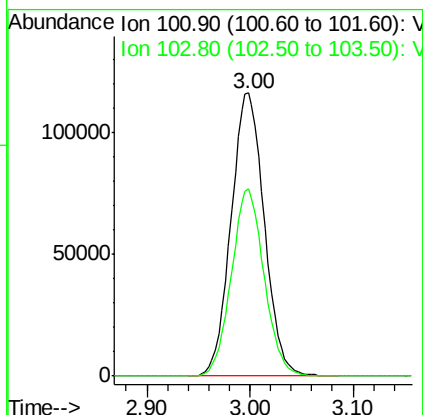
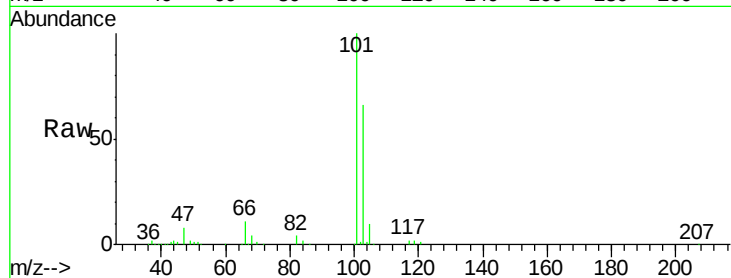
Trichlorofluoromethane
Concen: 47.500 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.7	77.5

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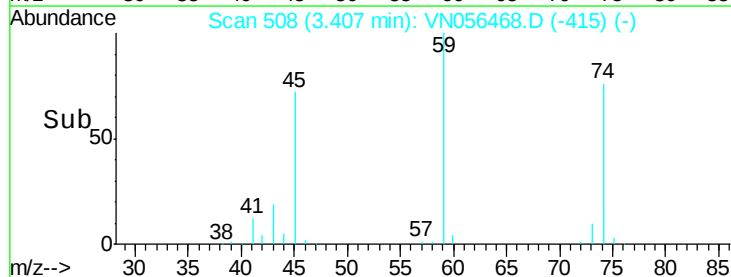
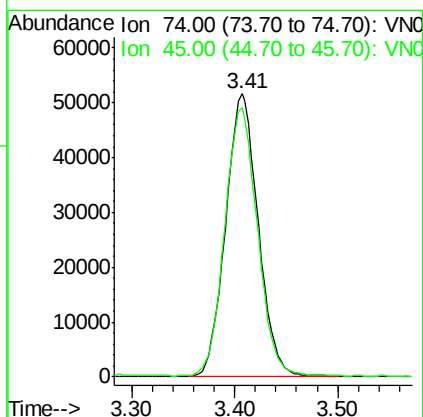
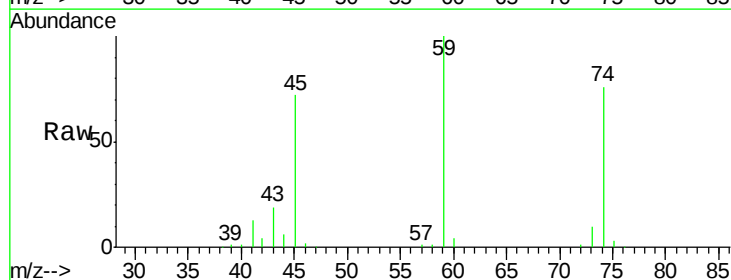
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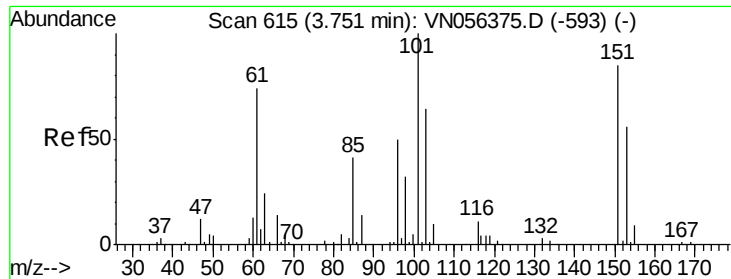


#8

Diethyl Ether
Concen: 48.910 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.1	48.9	146.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.707 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN056468.D

Acq: 24 Jun 2019 20:04

Instrument :

MSVOA_N

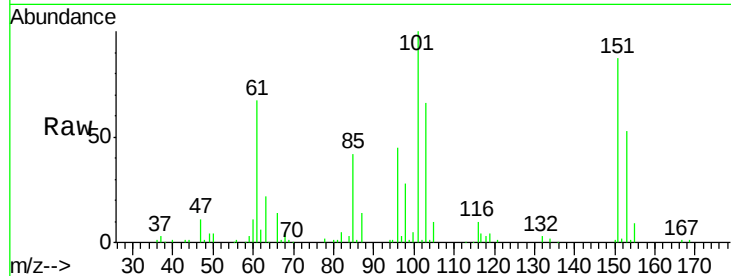
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	166915
Ion Ratio	Lower	Upper	
101	100		
85	41.0	32.7	49.1
151	84.1	66.8	100.2

Manual Integrations
APPROVED

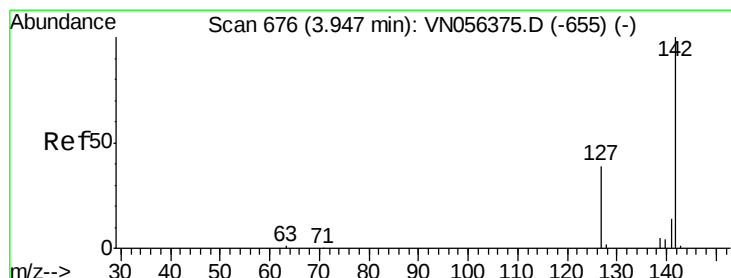
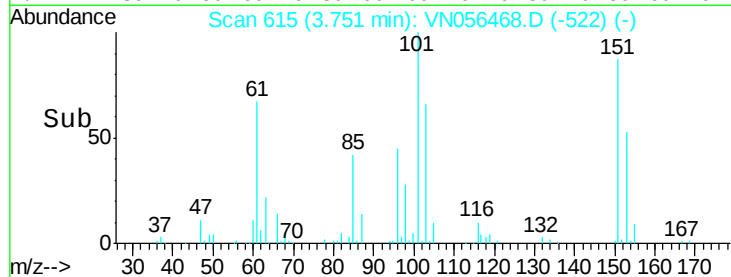
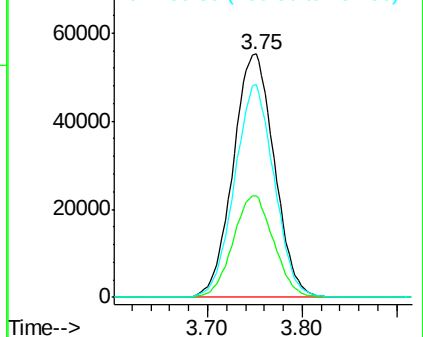
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6/26/2019 8:14:28 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.140 ug/l

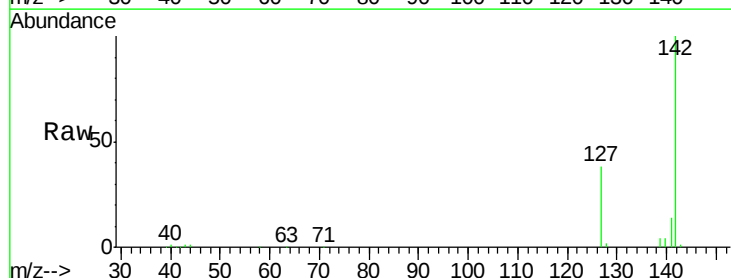
RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN056468.D

Acq: 24 Jun 2019 20:04

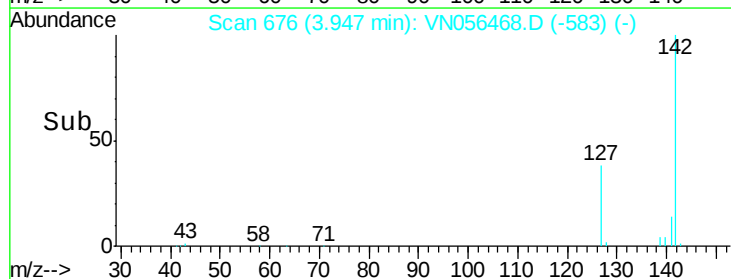
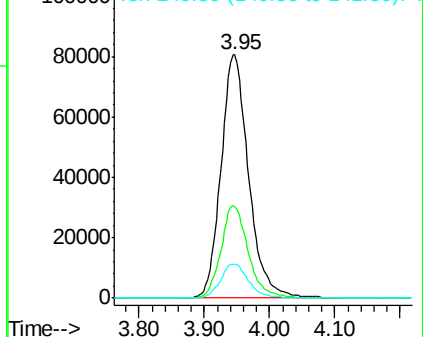
Tgt Ion:	142	Resp:	237100
Ion Ratio	Lower	Upper	
142	100		
127	37.6	30.6	46.0
141	14.2	11.4	17.2

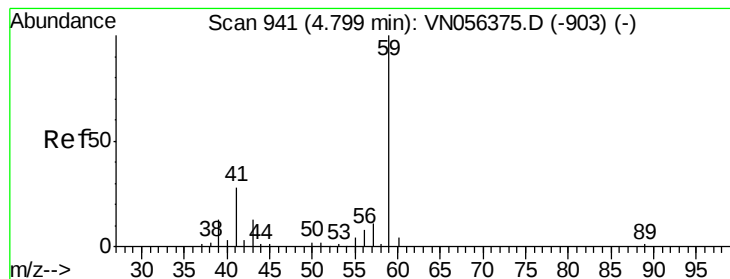


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

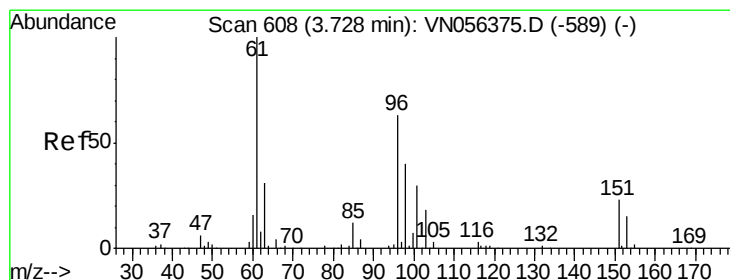
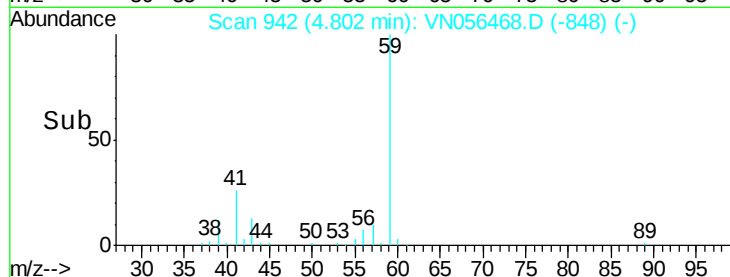
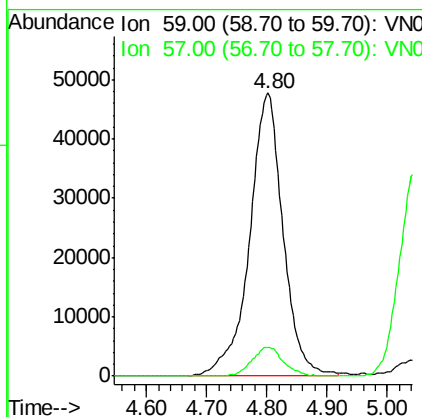
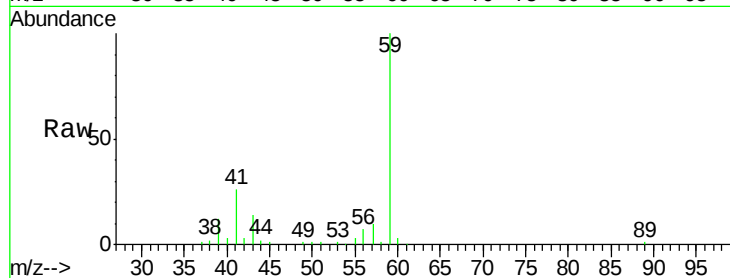
Tert butyl alcohol
Concen: 260.973 ug/l
RT: 4.80 min Scan# 942
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.6	11.4

Manual Integrations
APPROVED

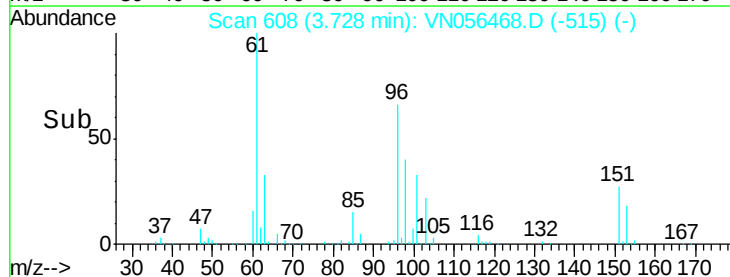
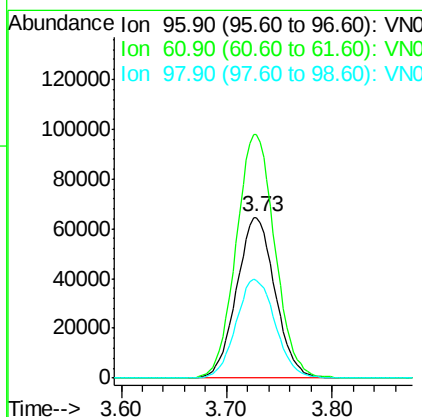
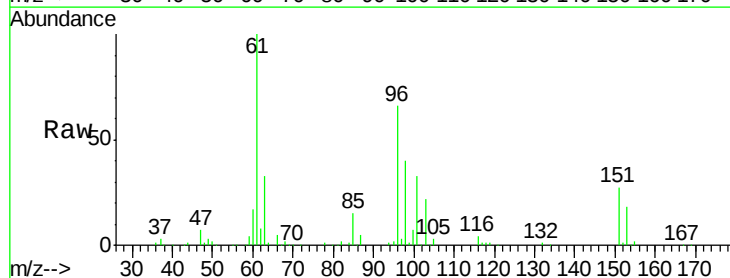
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6/26/2019 8:14:28 AM

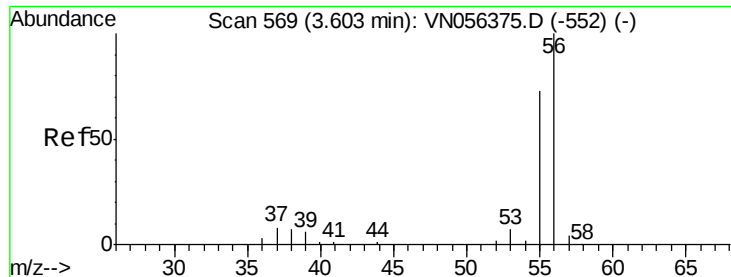


#12

1,1-Dichloroethene
Concen: 48.586 ug/l
RT: 3.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.1	126.6	190.0
98	60.9	51.1	76.7





#13

Acrolein

Concen: 236.064 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056468.D

Acq: 24 Jun 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 141455

Ion Ratio Lower Upper

56 100

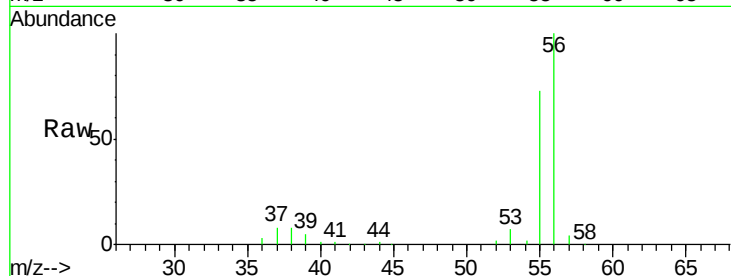
55 72.1 57.1 85.7

Manual Integrations

APPROVED

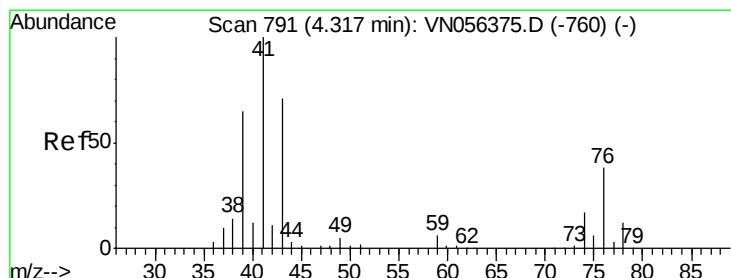
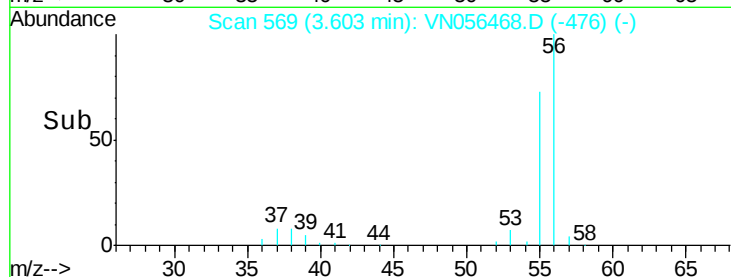
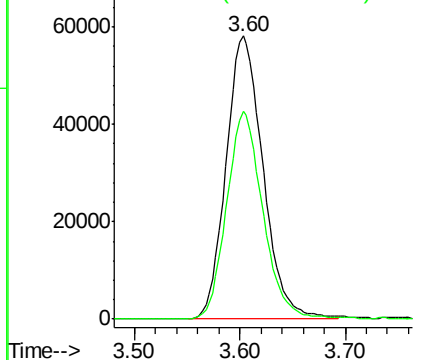
MMDadoda

6/26/2019 8:14:28 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 49.370 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN056468.D

Acq: 24 Jun 2019 20:04

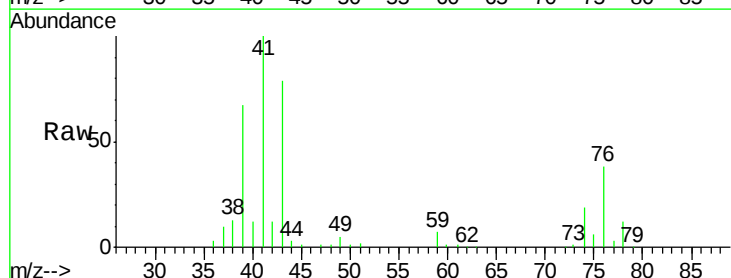
Tgt Ion: 41 Resp: 276513

Ion Ratio Lower Upper

41 100

39 60.3 48.6 73.0

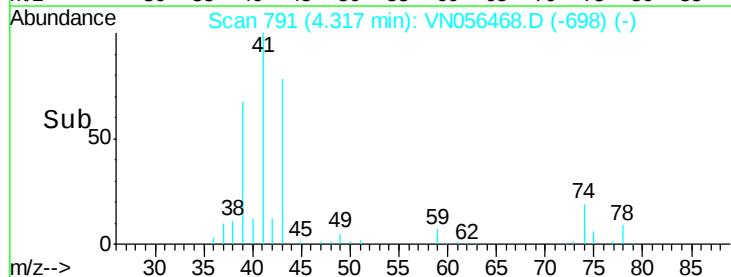
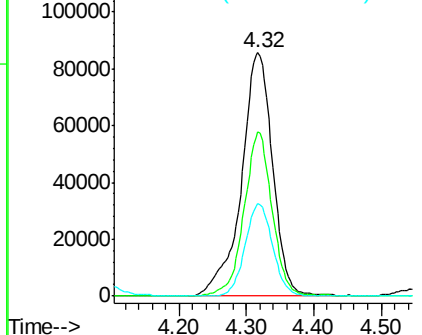
76 33.3 26.6 40.0

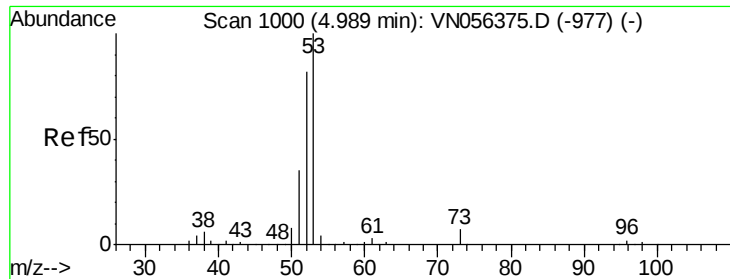


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





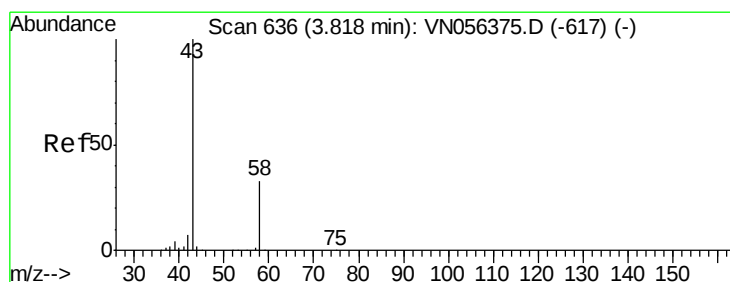
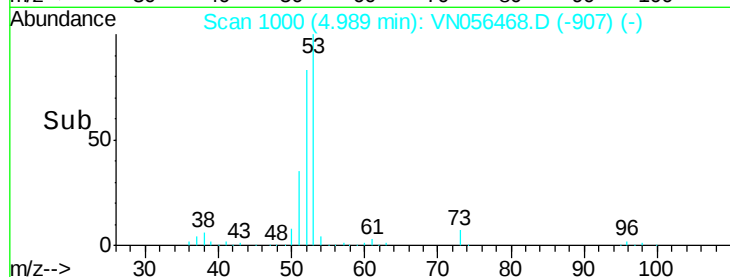
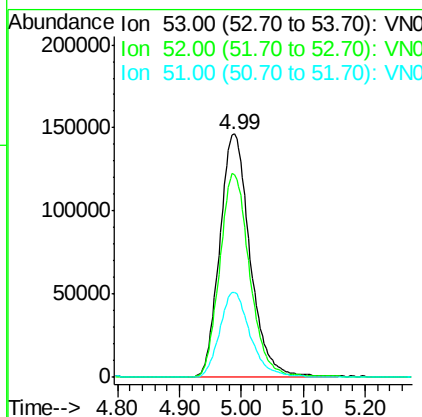
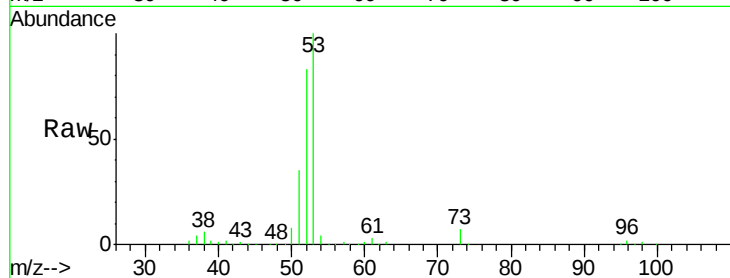
#15
 Acrylonitrile
 Concen: 253.444 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN056468.D
 Acq: 24 Jun 2019 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.9	98.9
51	35.5	28.3	42.5

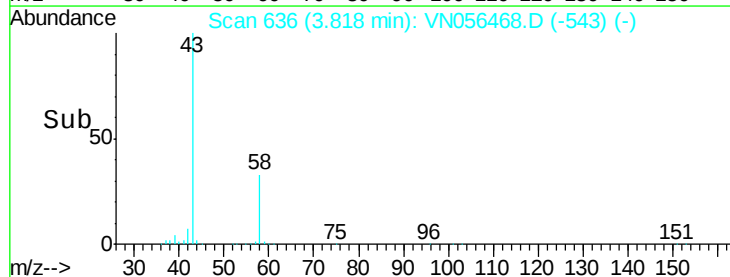
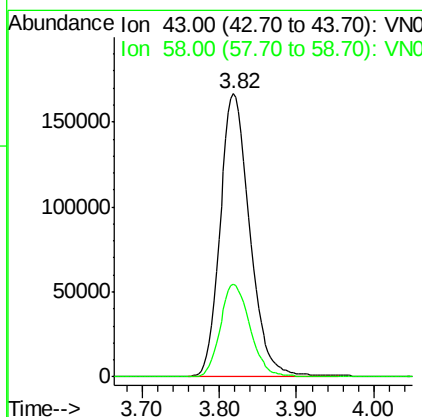
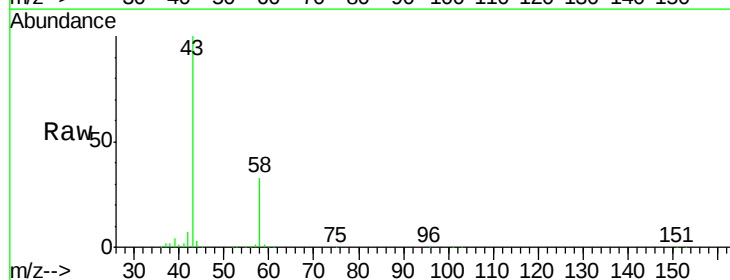
Manual Integrations
 APPROVED

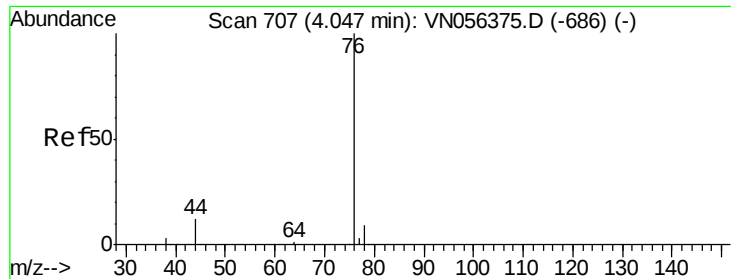
MMDadoda
 6/26/2019 8:14:28 AM



#16
 Acetone
 Concen: 207.656 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN056468.D
 Acq: 24 Jun 2019 20:04

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.9	26.4	39.6





#17

Carbon Disulfide

Concen: 43.467 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN056468.D

Acq: 24 Jun 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 332646

Ion Ratio Lower Upper

76 100

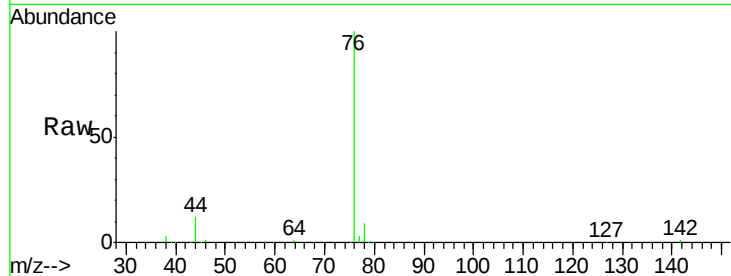
78 9.0 7.1 10.7

Manual Integrations

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6/26/2019 8:14:28 AM



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

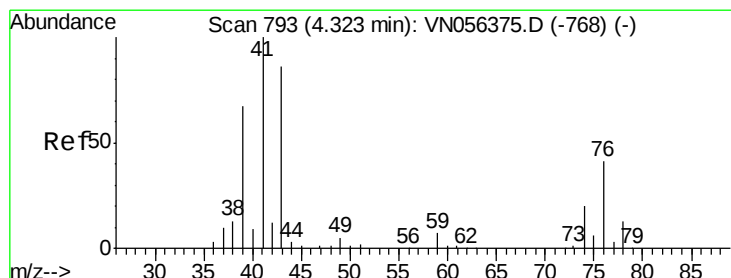
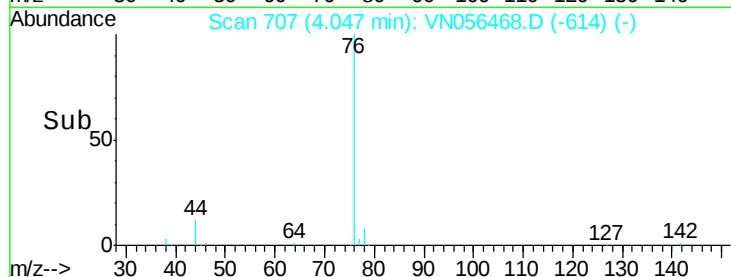
4.05

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 52.149 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056468.D

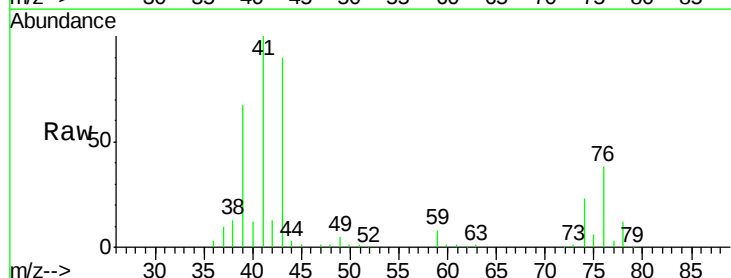
Acq: 24 Jun 2019 20:04

Tgt Ion: 43 Resp: 215860

Ion Ratio Lower Upper

43 100

74 24.3 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.32

80000

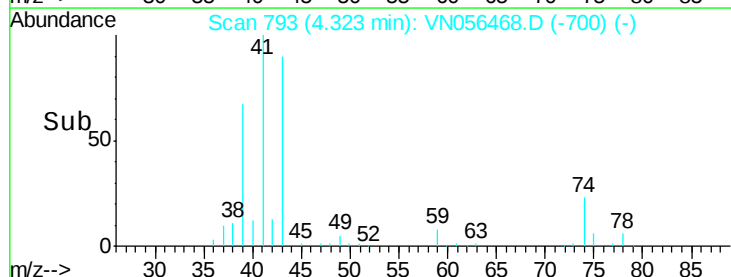
60000

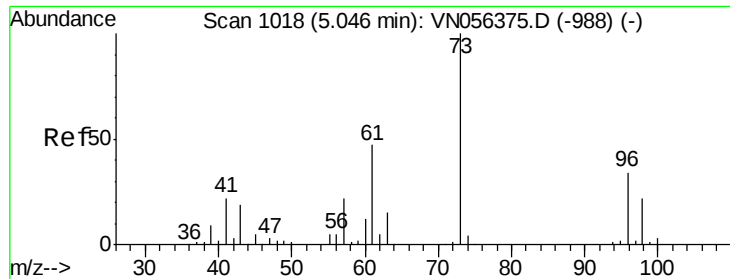
40000

20000

0

Time-->





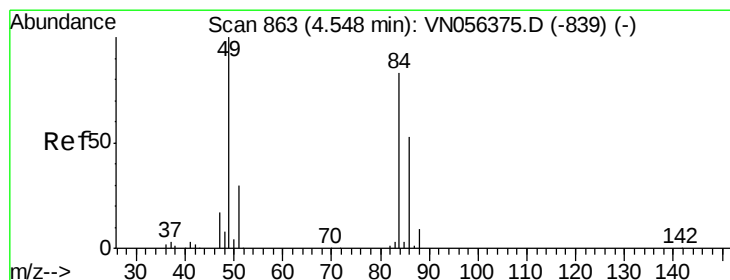
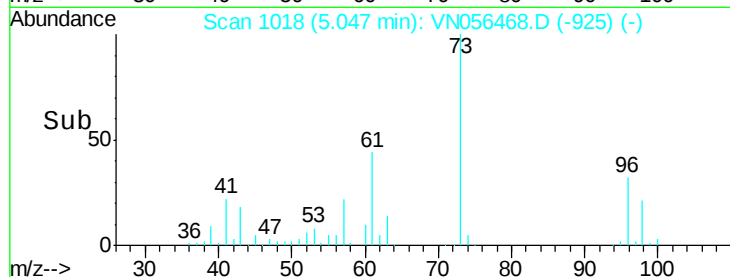
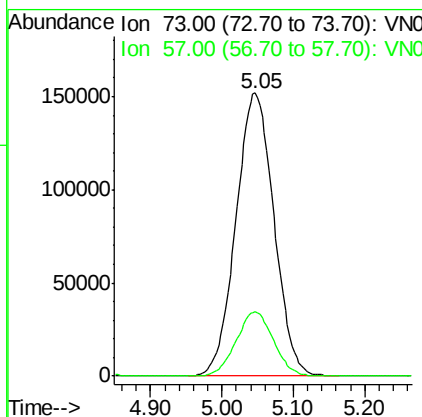
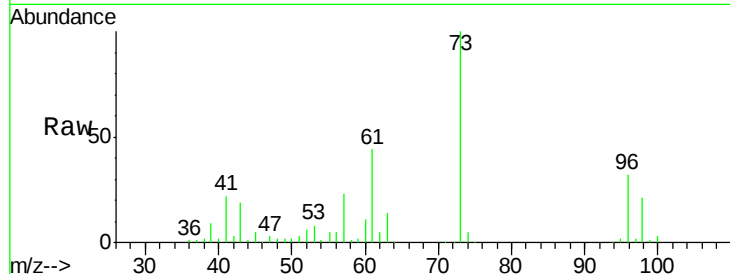
#19
Methvl tert-butvl Ether
Concen: 50.563 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 562933
Ion Ratio Lower Upper
73 100
57 22.6 17.9 26.9

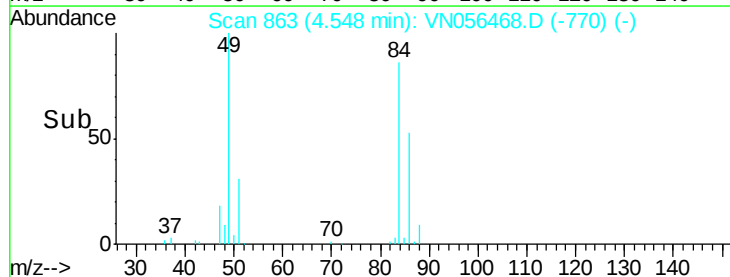
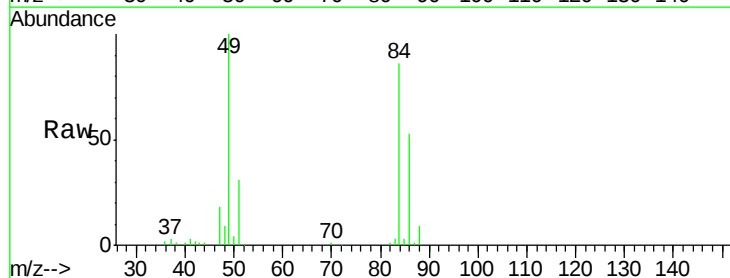
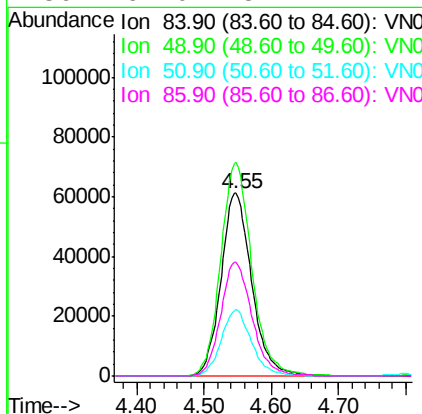
Manual Integrations
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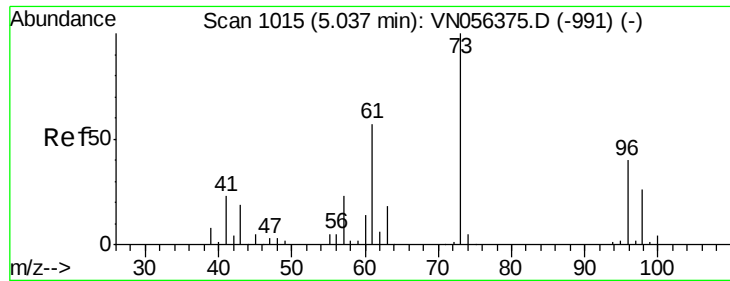
MMDadoda
6/26/2019 8:14:28 AM



#20
Methylene Chloride
Concen: 48.824 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Tgt Ion: 84 Resp: 194743
Ion Ratio Lower Upper
84 100
49 116.7 96.4 144.6
51 36.4 28.6 43.0
86 62.0 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 48.195 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN056468.D

Acq: 24 Jun 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 174828

Ion Ratio Lower Upper

96 100

61 135.1 113.0 169.6

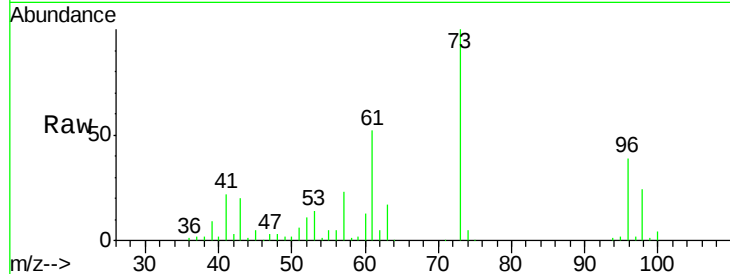
98 62.1 52.2 78.2

Manual Integrations

APPROVED

MMDadoda

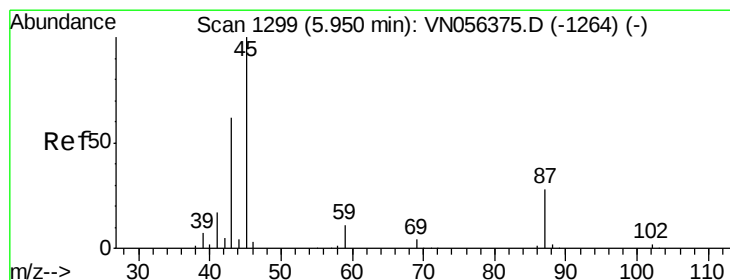
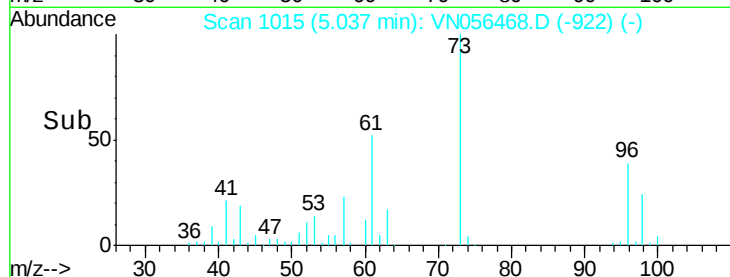
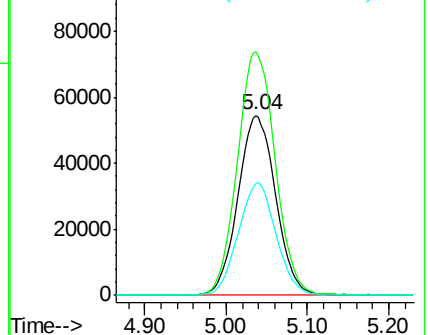
6/26/2019 8:14:28 AM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 49.942 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN056468.D

Acq: 24 Jun 2019 20:04

Tgt Ion: 45 Resp: 587450

Ion Ratio Lower Upper

45 100

43 58.0 50.4 75.6

87 28.0 23.0 34.4

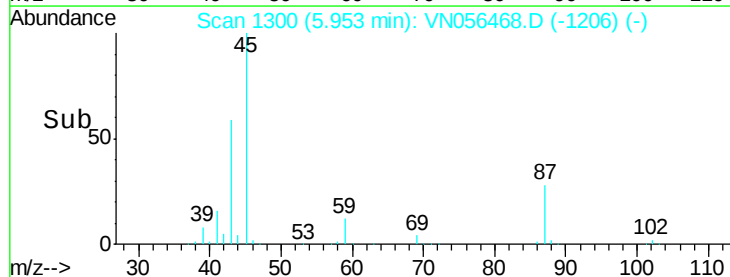
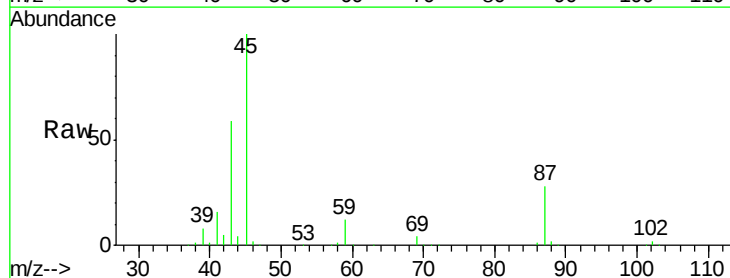
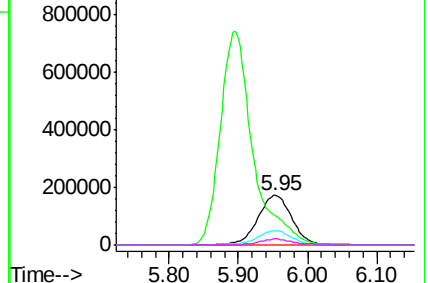
59 11.7 9.1 13.7

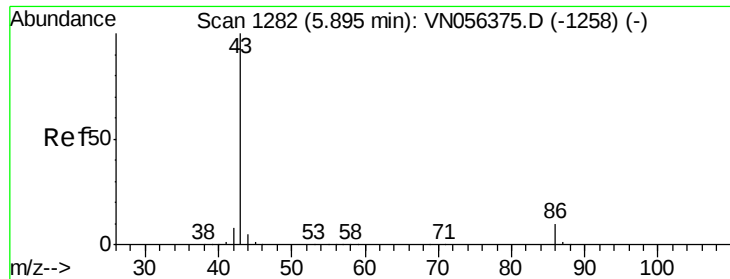
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





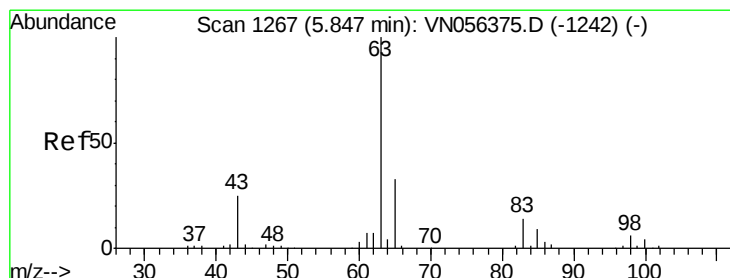
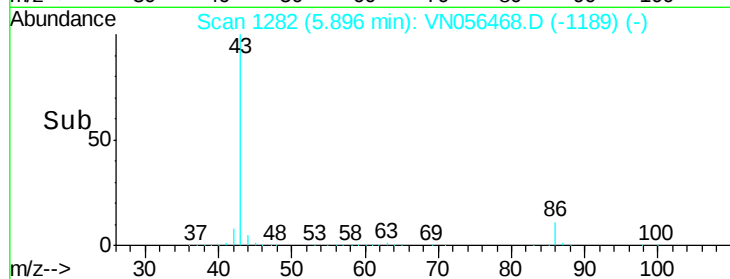
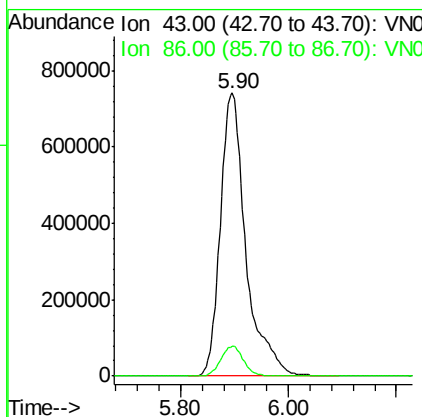
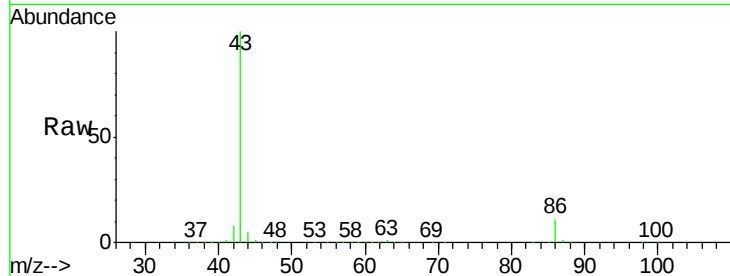
#23
 Vinyl Acetate
 Concen: 263.248 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056468.D
 Acq: 24 Jun 2019 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2442291
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.3 12.5

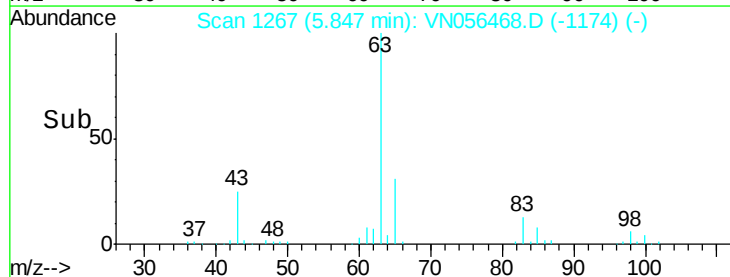
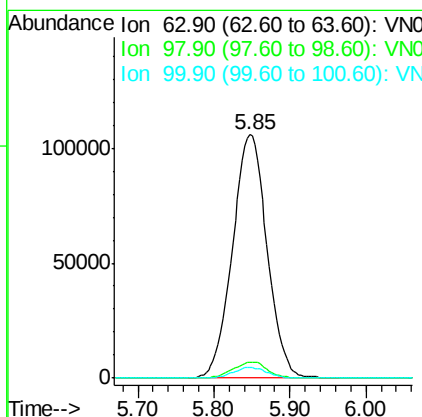
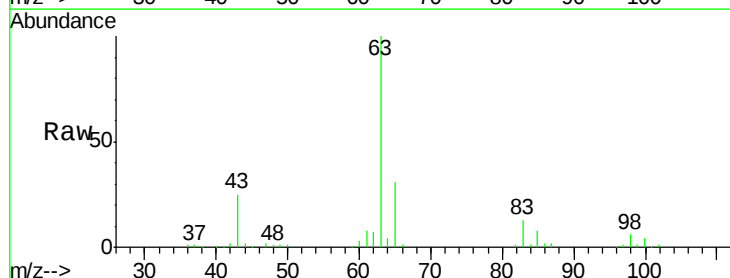
Manual Integrations
 APPROVED

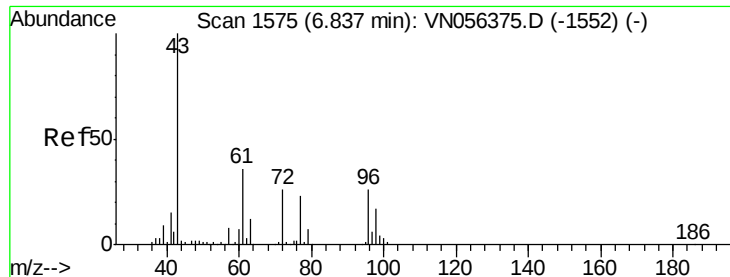
MMDadoda
 6/26/2019 8:14:28 AM



#24
 1,1-Dichloroethane
 Concen: 49.504 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN056468.D
 Acq: 24 Jun 2019 20:04

Tgt Ion: 63 Resp: 334258
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.2 9.6
 100 4.2 2.1 6.5





#25

2-Butanone

Concen: 241.940 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN056468.D

Acq: 24 Jun 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 677222

Ion Ratio Lower Upper

43 100

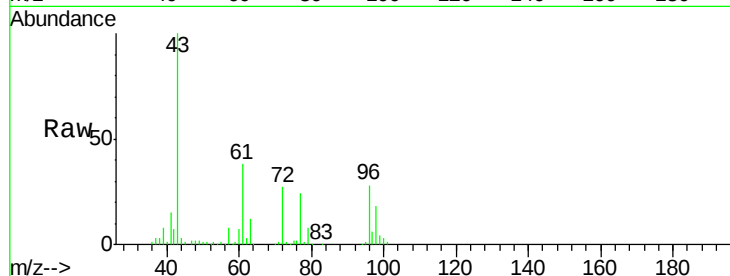
72 26.8 20.6 31.0

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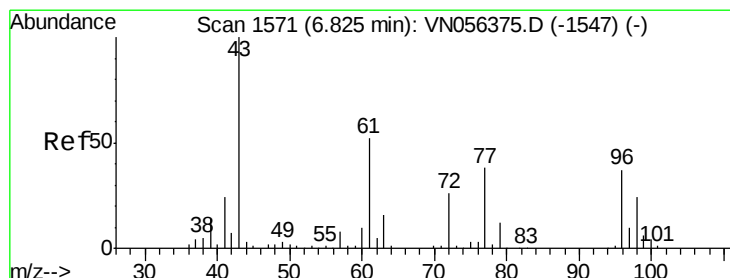
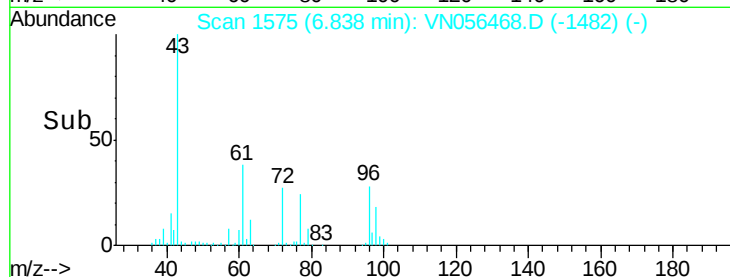
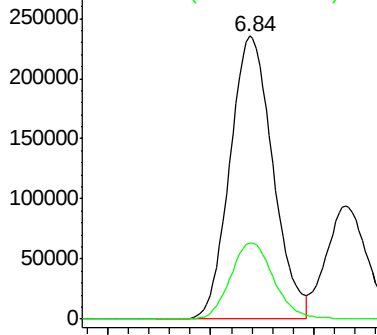
MMDadoda

6/26/2019 8:14:28 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 47.099 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056468.D

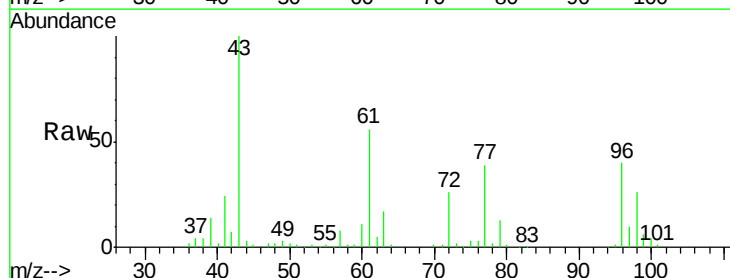
Acq: 24 Jun 2019 20:04

Tgt Ion: 77 Resp: 221182

Ion Ratio Lower Upper

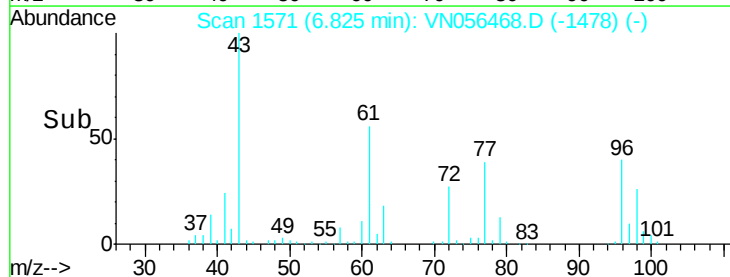
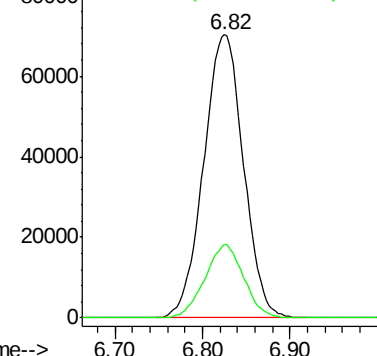
77 100

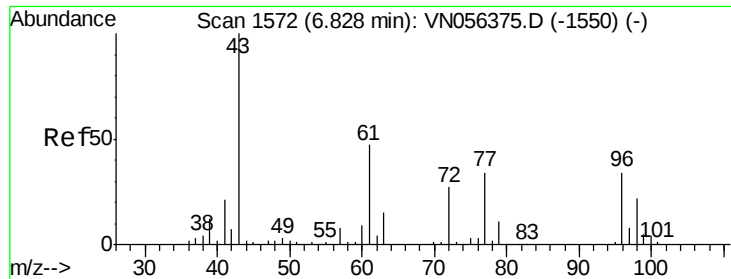
97 25.3 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 49.812 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056468.D

Acq: 24 Jun 2019 20:04

Instrument :

MSVOA_N

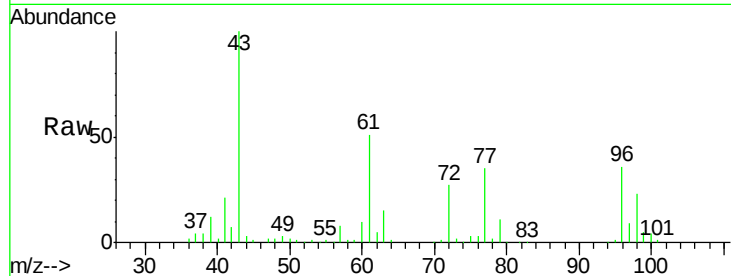
ClientSampleId :

VSTDCCC050EC

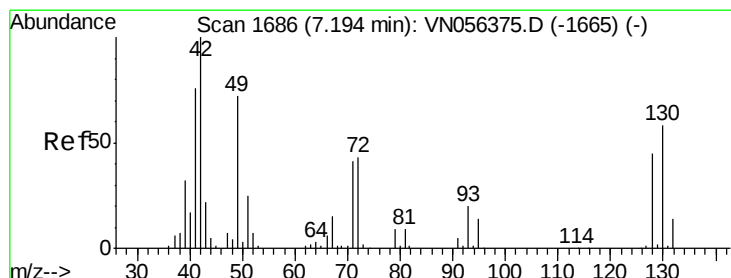
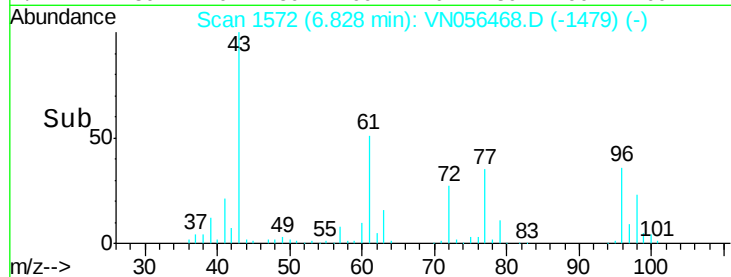
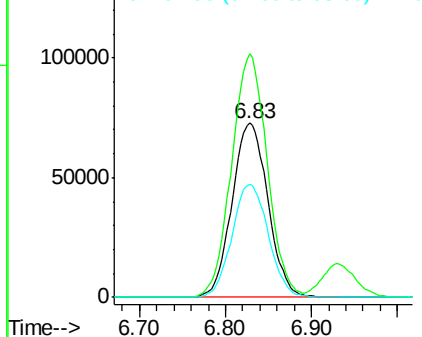
Tot Ion:	96	Resp:	211404
Ion	Ratio	Lower	Upper
96	100		
61	138.2	0.0	279.8
98	65.6	0.0	130.0

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Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#28

Bromochloromethane

Concen: 47.712 ug/l

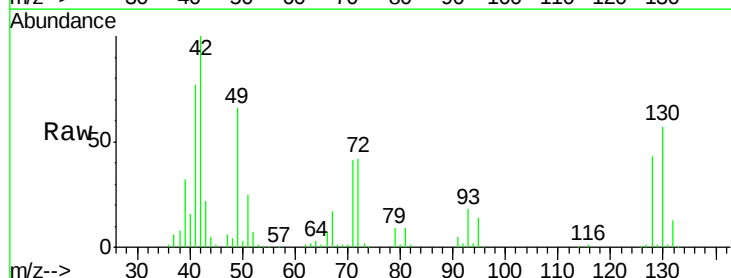
RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

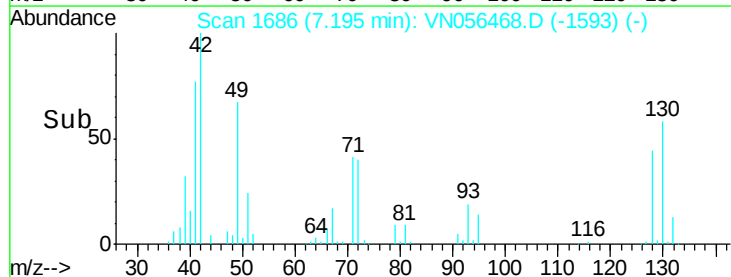
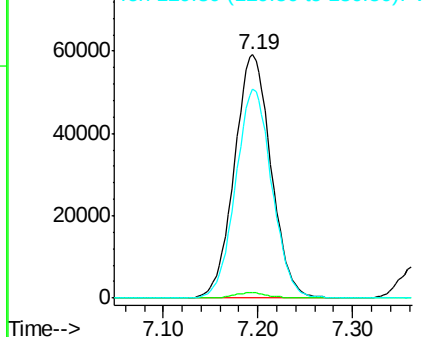
Lab File: VN056468.D

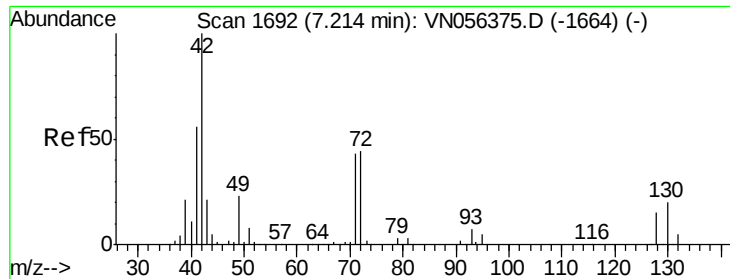
Acq: 24 Jun 2019 20:04

Tgt Ion:	49	Resp:	159346
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	84.9	64.9	97.3



Abundance Ion 48.90 (48.60 to 49.60): VNO
Ion 128.80 (128.50 to 129.50): VNO
Ion 129.80 (129.50 to 130.50): VNO





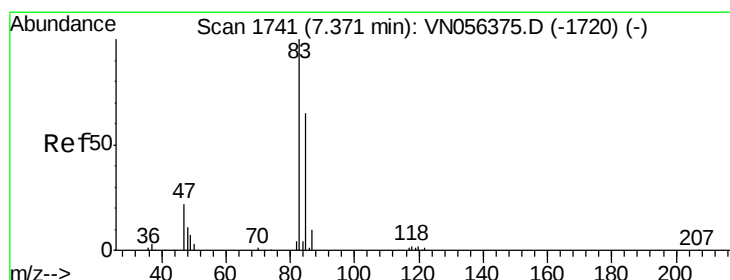
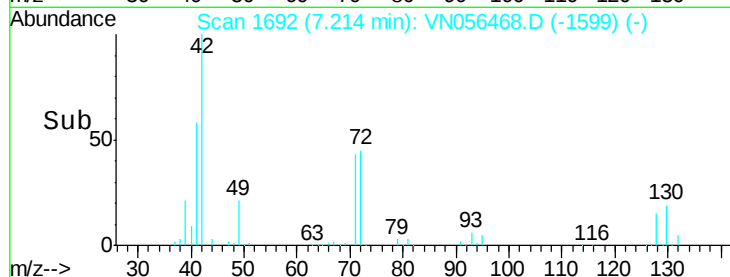
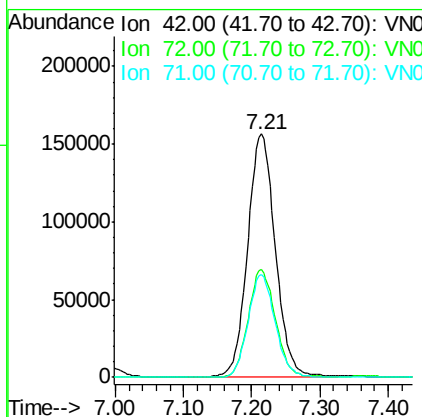
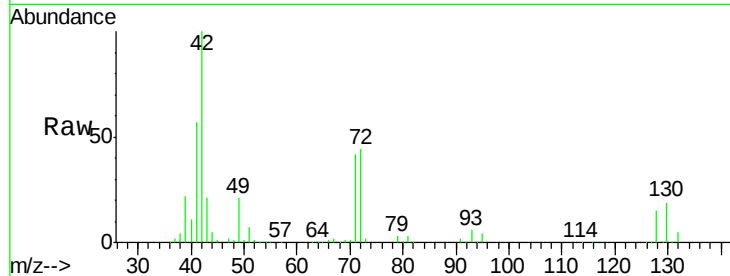
#29
Tetrahydrofuran
Concen: 258.914 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.7	52.1
71	41.0	33.0	49.6

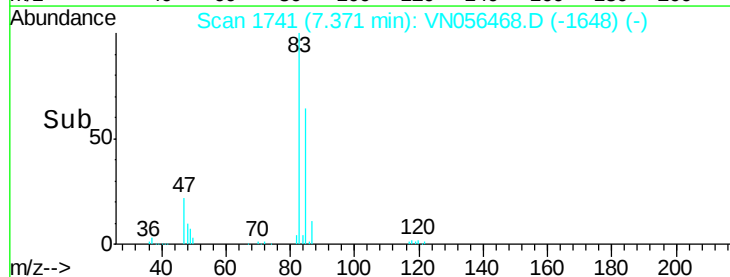
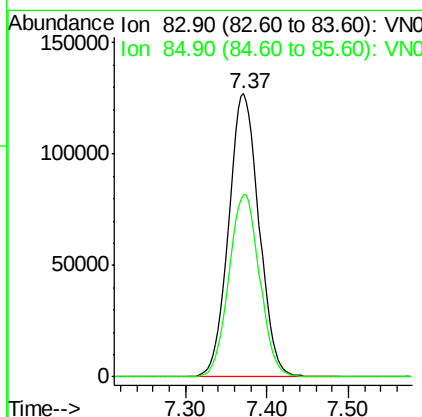
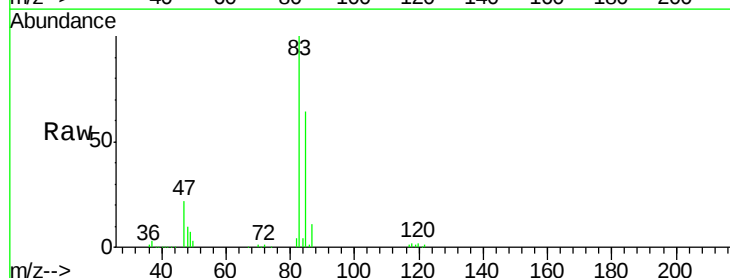
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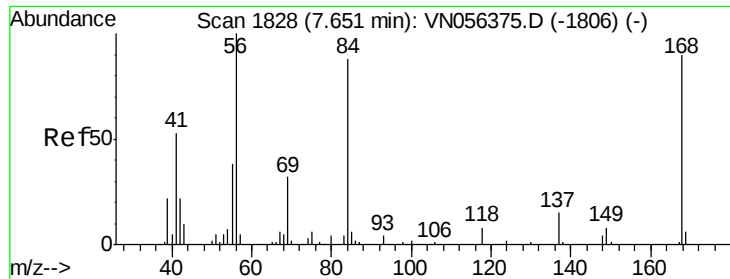
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#30
Chloroform
Concen: 49.687 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.3	78.5





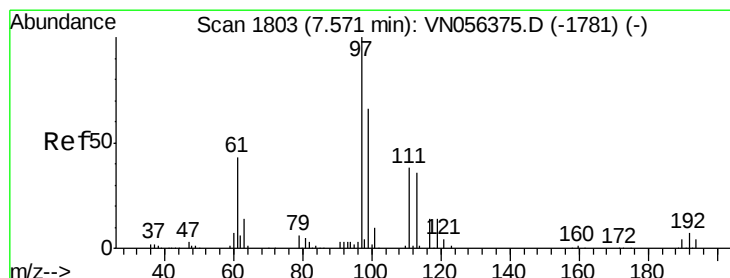
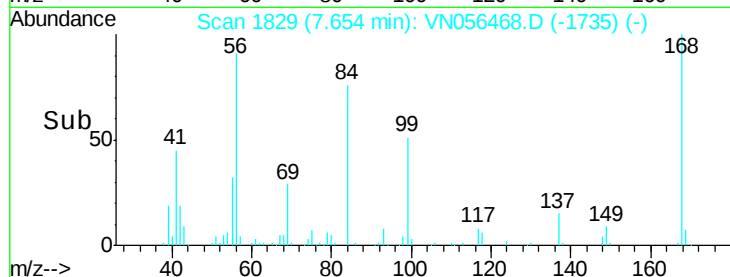
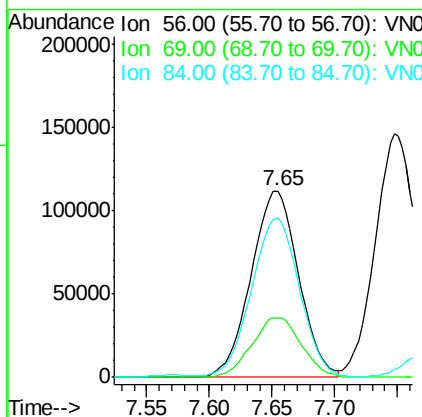
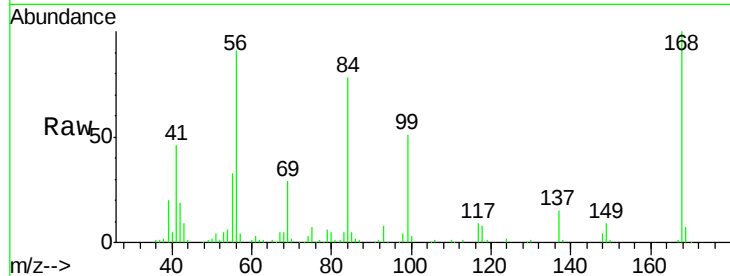
#31
Cyclohexane
Concen: 45.130 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	25.8	38.6
84	84.7	69.4	104.0

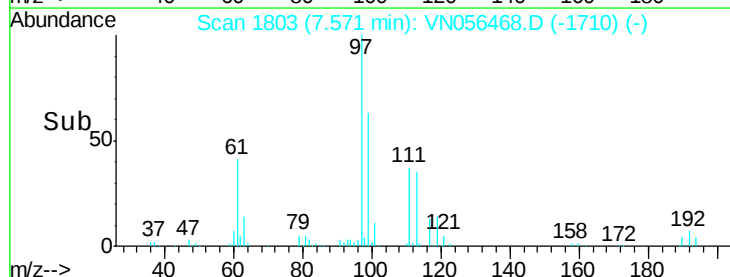
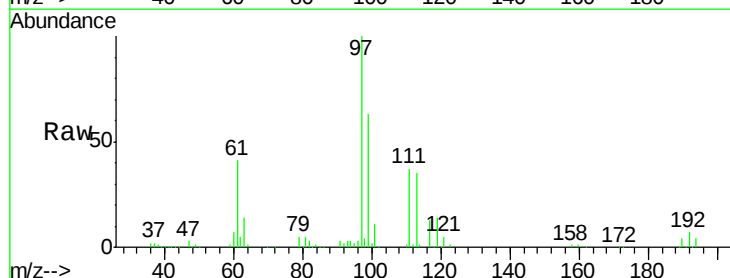
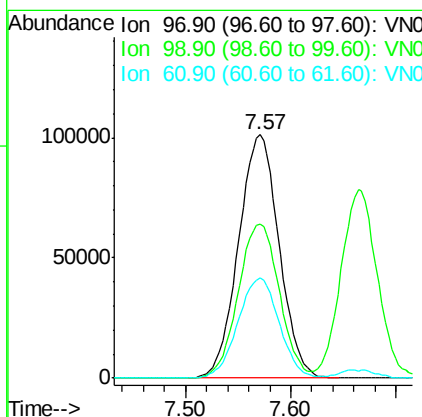
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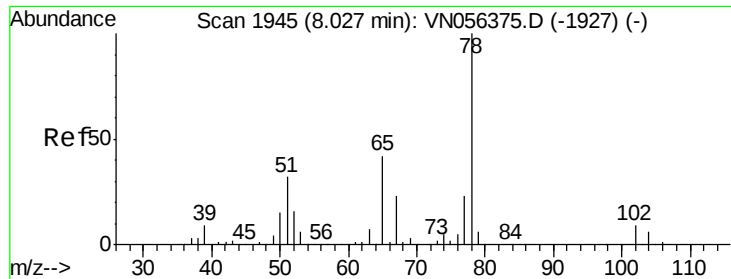
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6/26/2019 8:14:28 AM



#32
1,1,1-Trichloroethane
Concen: 51.229 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.6
61	41.8	33.9	50.9





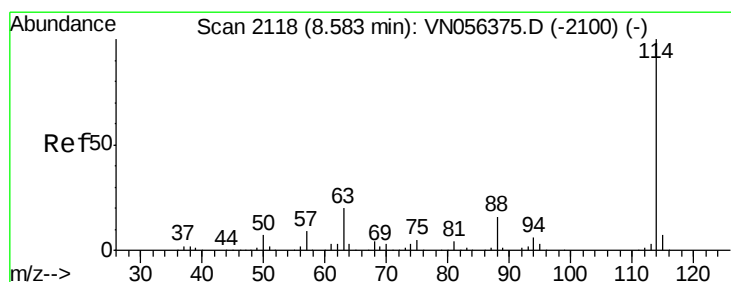
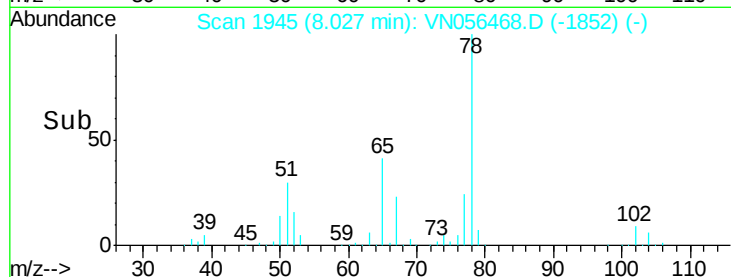
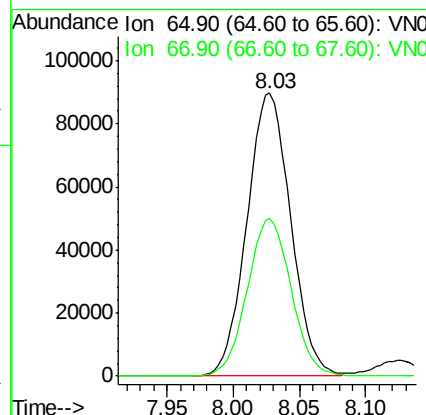
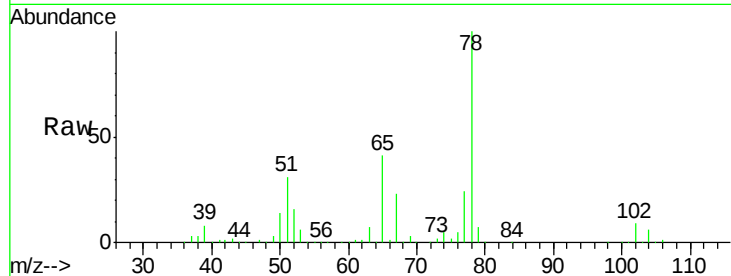
#33
 1,2-Dichloroethane-d4
 Concen: 48.904 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056468.D
 Acq: 24 Jun 2019 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	206438		
67	55.7	0.0	109.0	

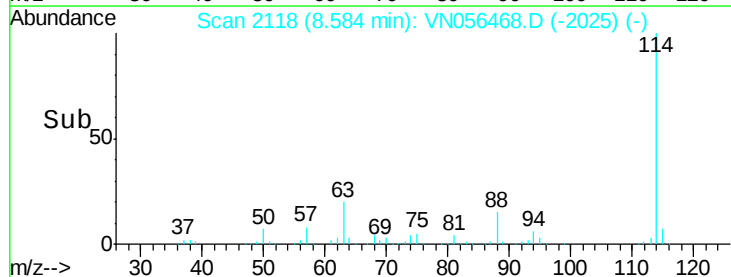
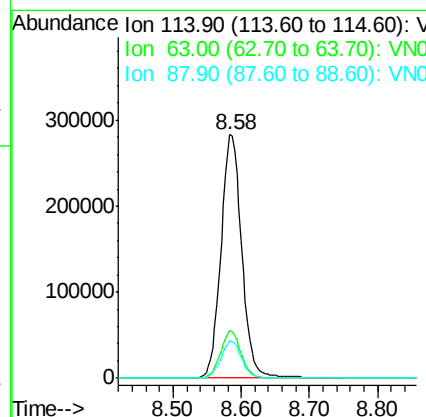
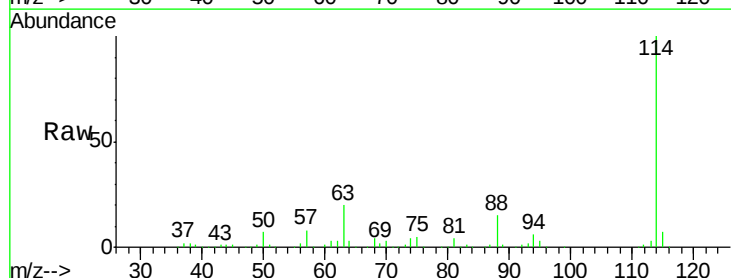
Manual Integrations
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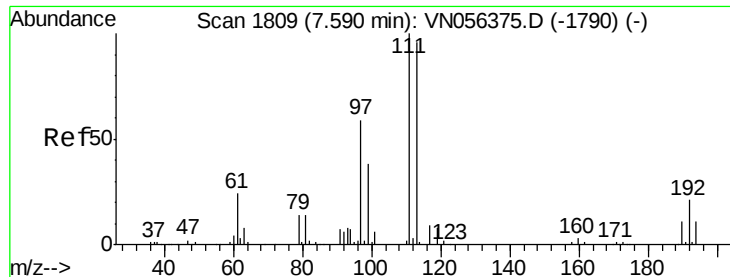
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056468.D
 Acq: 24 Jun 2019 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	598531		
63	19.6	0.0	39.2	
88	15.4	0.0	31.4	





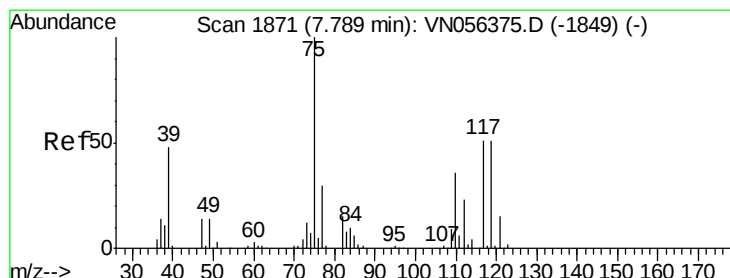
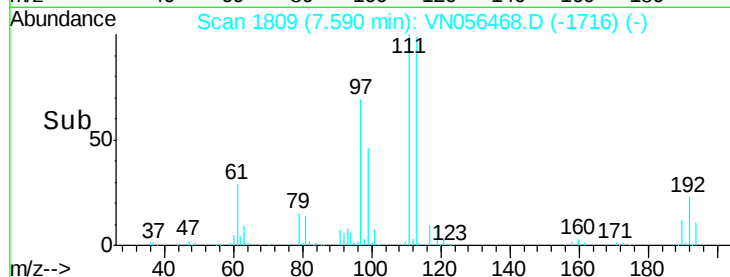
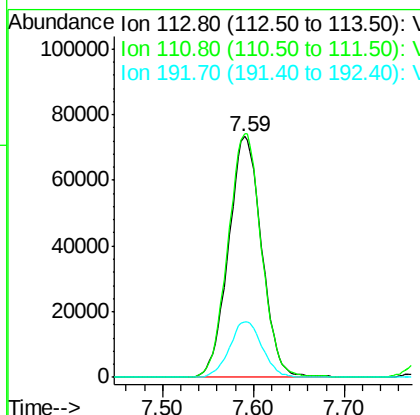
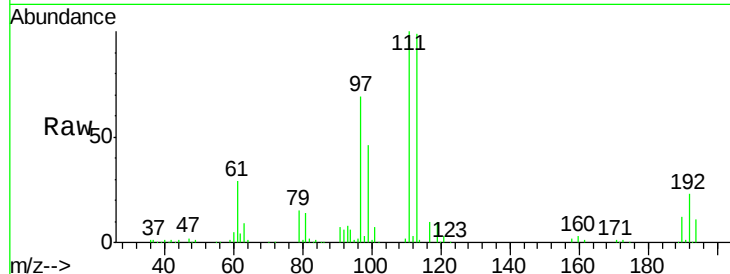
#35
 Dibromofluoromethane
 Concen: 49.598 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056468.D
 Acq: 24 Jun 2019 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	185190		
111	101.5	82.9	124.3	
192	22.9	17.7	26.5	

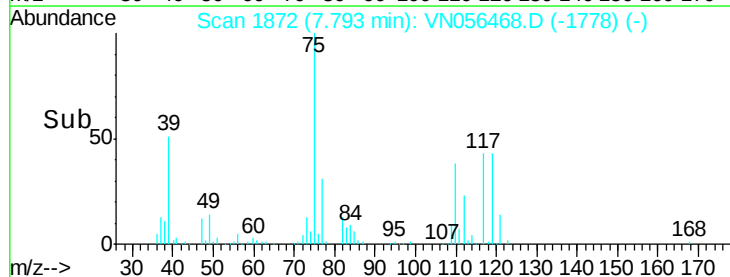
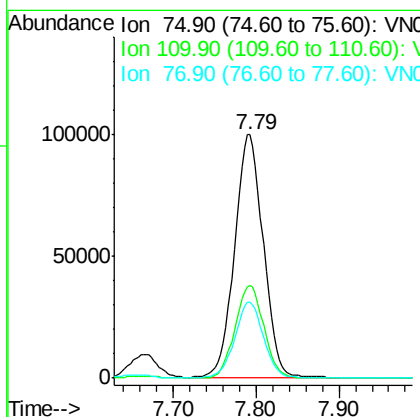
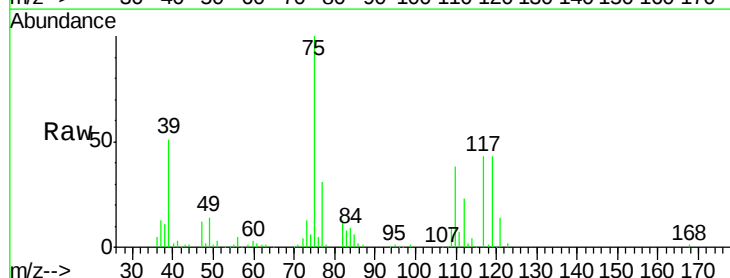
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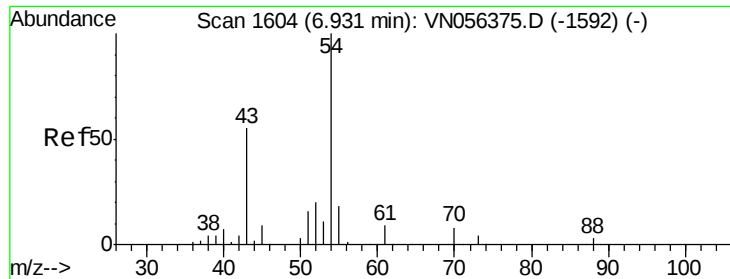
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 6/26/2019 8:14:28 AM



#36
 1,1-Dichloropropene
 Concen: 45.663 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056468.D
 Acq: 24 Jun 2019 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	240561		
110	38.0	18.1	54.3	
77	31.4	24.6	36.8	





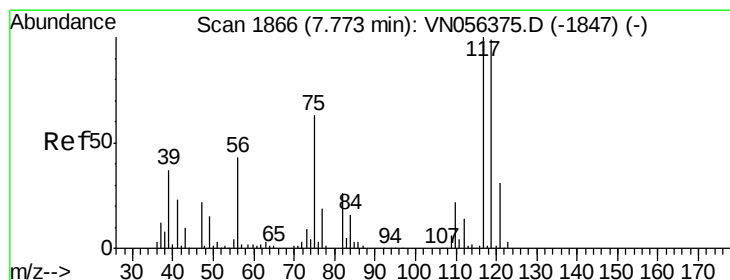
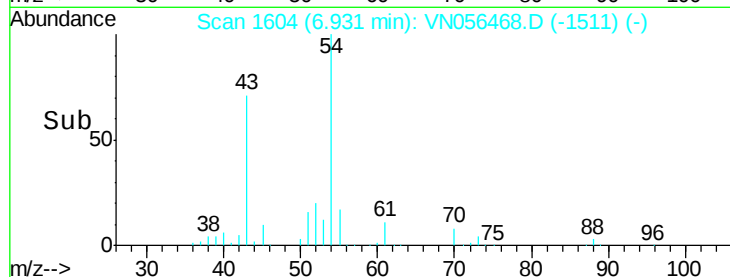
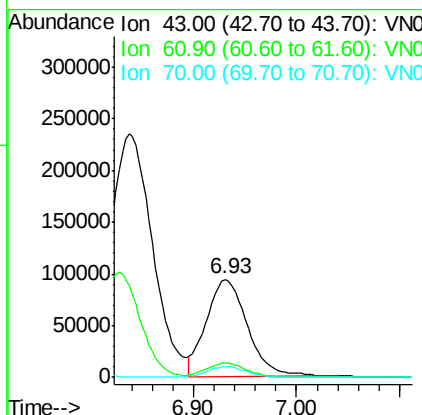
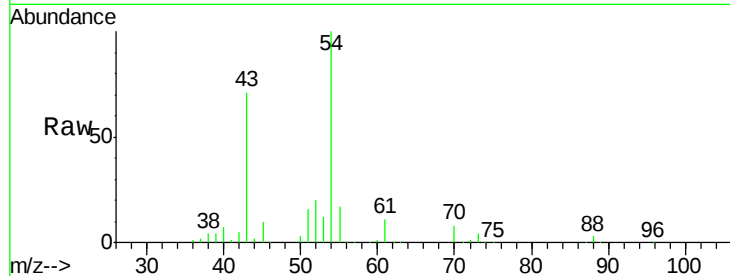
#37
Ethyl Acetate
Concen: 50.412 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.1	16.7
70	10.8	8.3	12.5

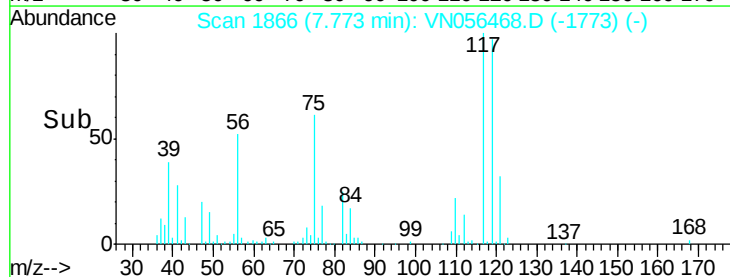
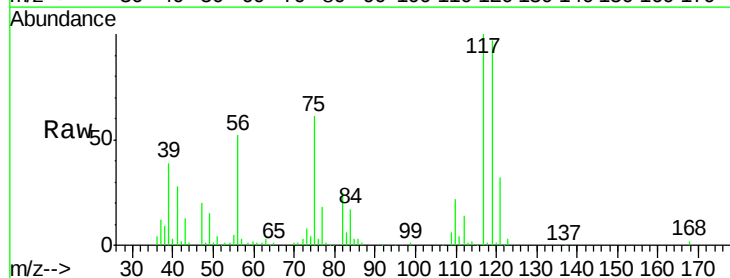
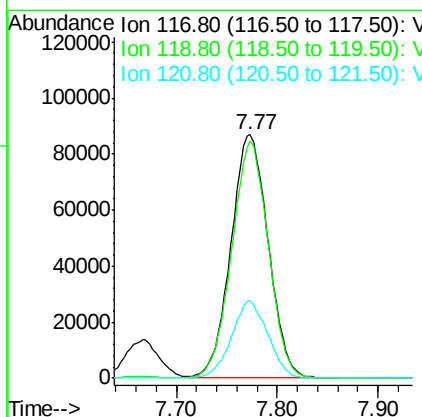
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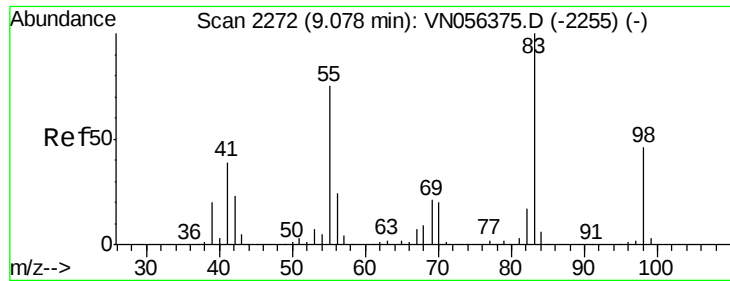
MMDadoda
6/26/2019 8:14:28 AM



#38
Carbon Tetrachloride
Concen: 48.517 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	79.1	118.7
121	31.8	24.8	37.2





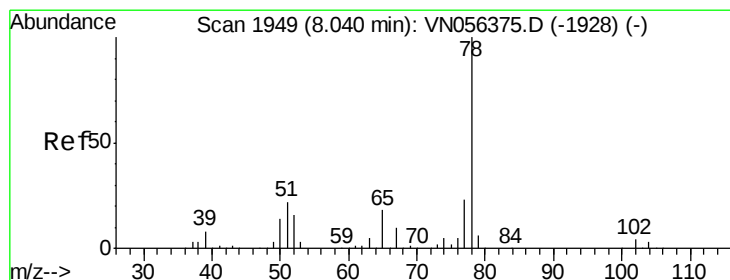
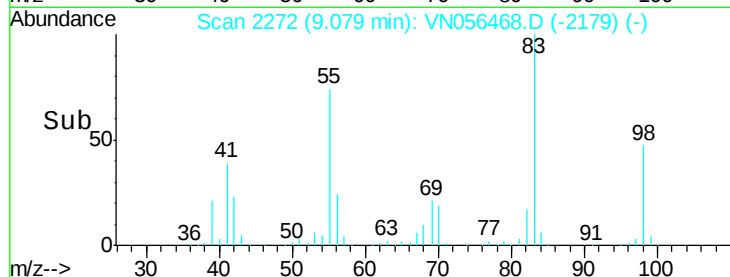
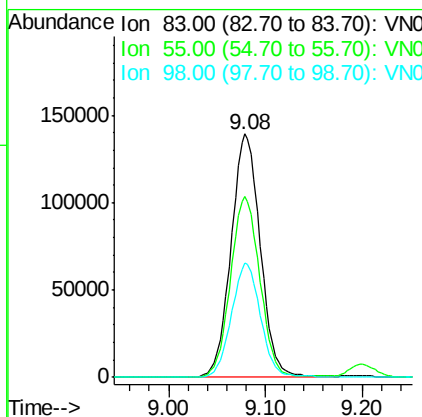
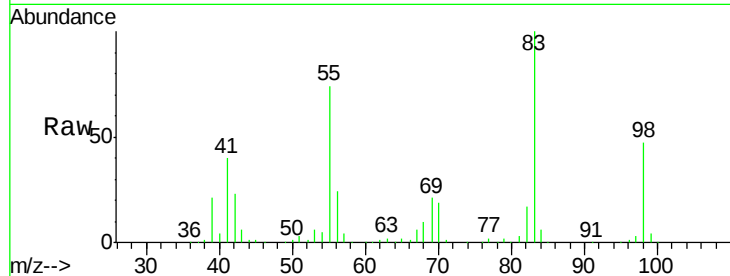
#39
Methvlcvclohexane
Concen: 44.981 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	292397		
55	74.2	60.0	90.0	
98	46.8	36.6	54.8	

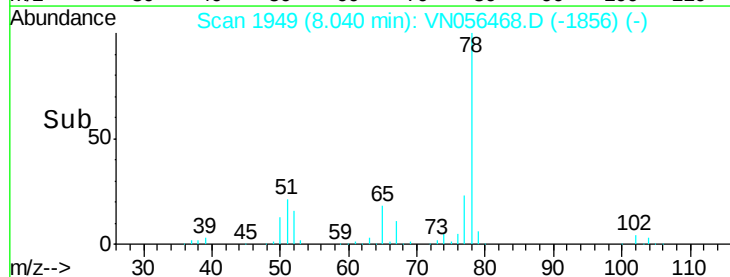
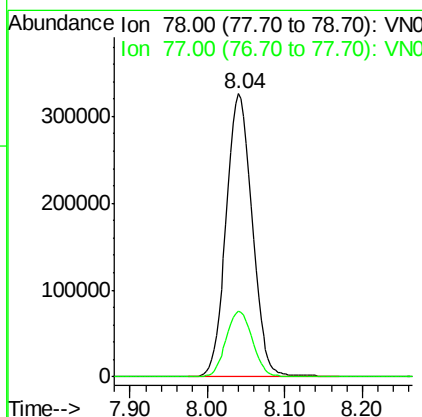
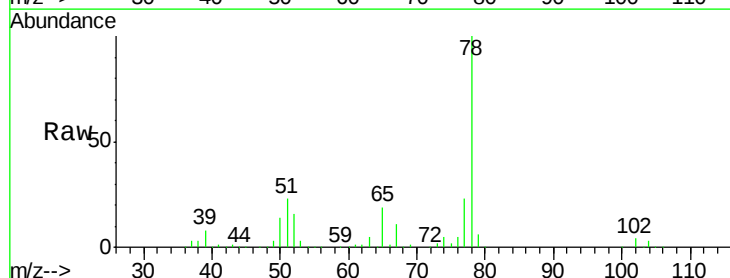
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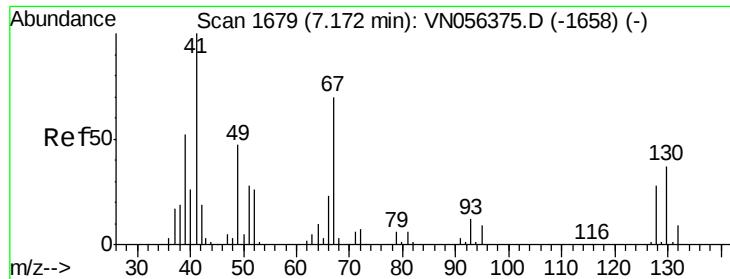
MMDadoda
6/26/2019 8:14:28 AM



#40
Benzene
Concen: 47.140 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	763896		
77	23.1	18.3	27.5	





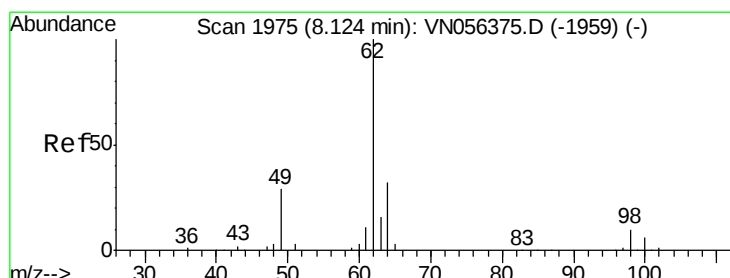
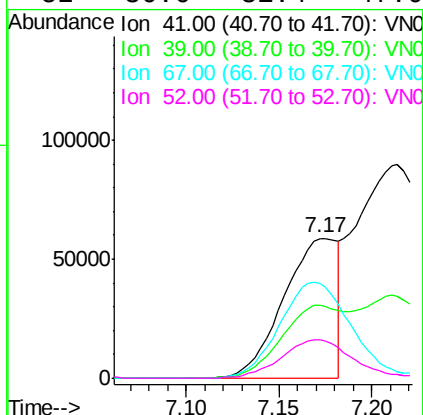
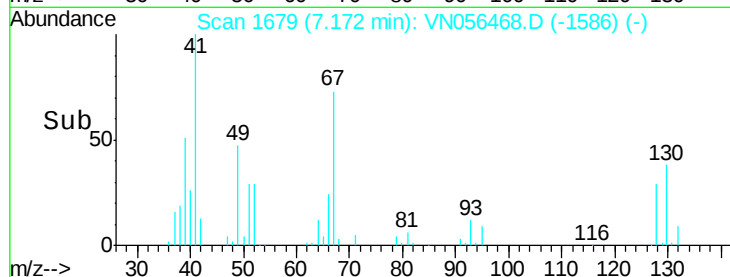
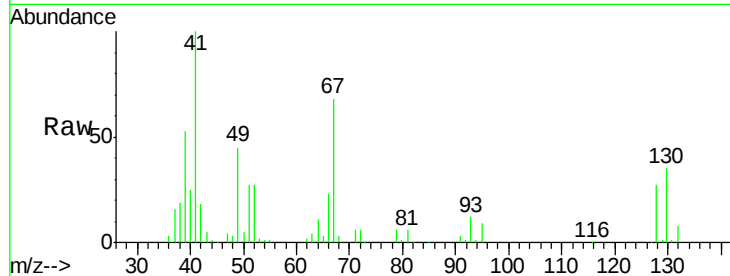
#41
Methacrylonitrile
Concen: 52.239 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.1	55.3	82.9
67	91.3	79.2	118.8
52	36.6	31.4	47.0

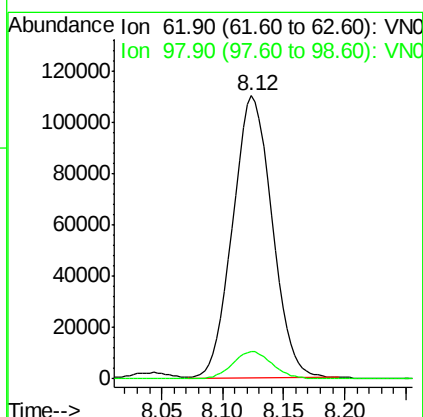
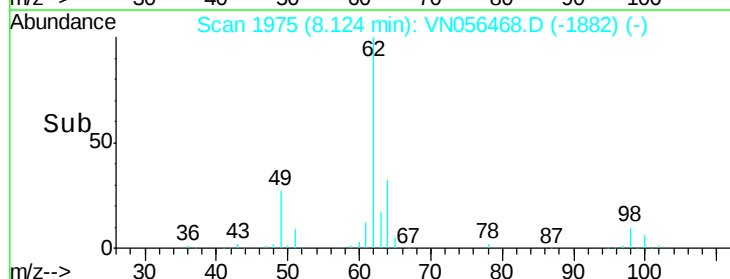
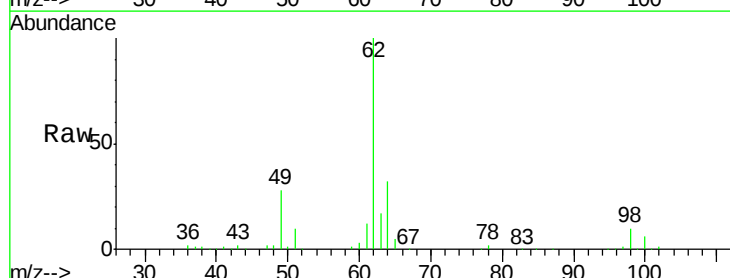
Manual Integrations
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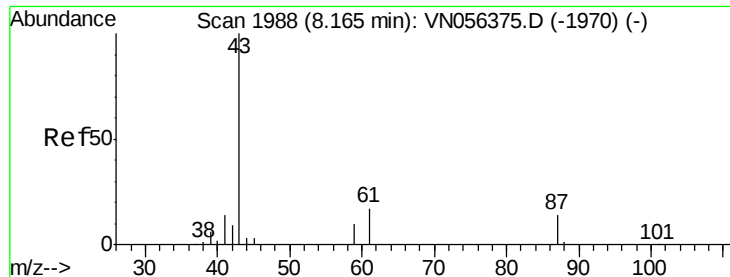
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#42
1,2-Dichloroethane
Concen: 46.334 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4





#43

Isopropyl Acetate

Concen: 52.977 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056468.D

Acq: 24 Jun 2019 20:04

Instrument :

MSVOA_N

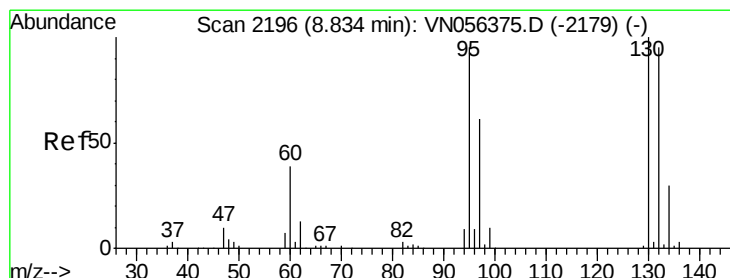
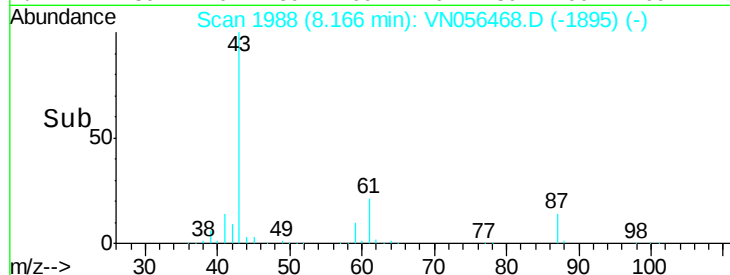
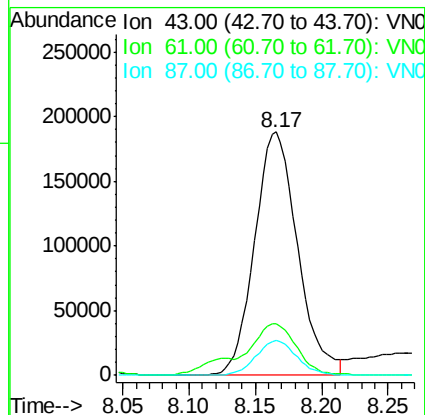
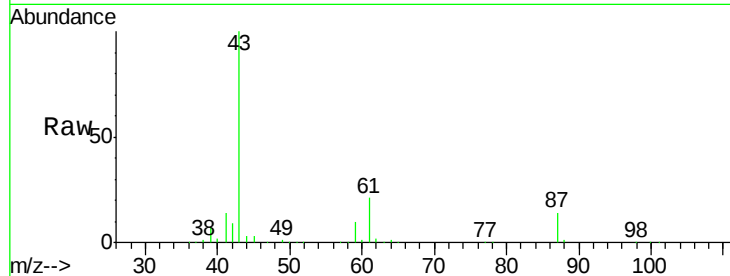
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	422926
Ion	Ratio	Lower	Upper
43	100		
61	20.6	22.0	33.0#
87	13.6	11.0	16.4

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#44

Trichloroethene

Concen: 48.097 ug/l

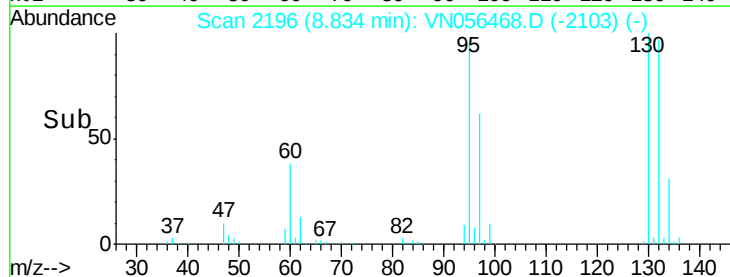
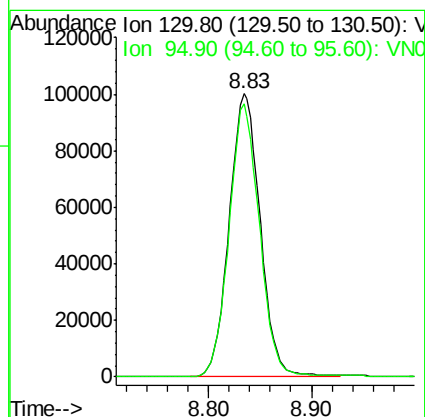
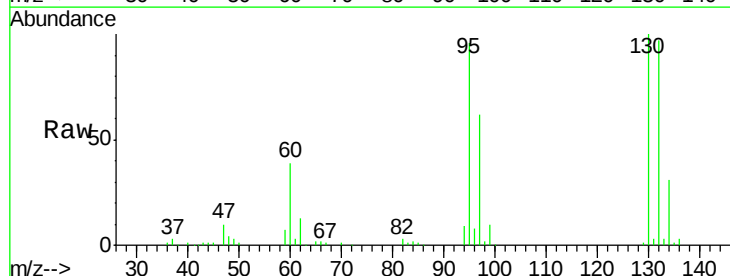
RT: 8.83 min Scan# 2196

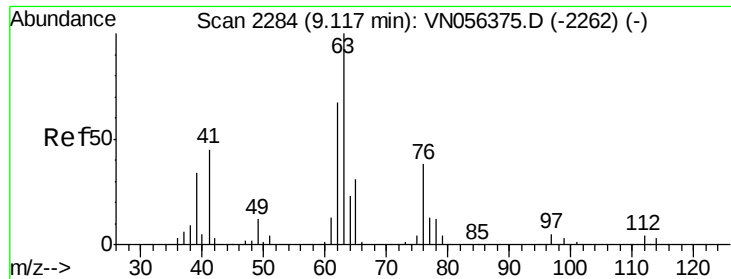
Delta R.T. 0.00 min

Lab File: VN056468.D

Acq: 24 Jun 2019 20:04

Tgt Ion:	130	Resp:	209952
Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	191.0





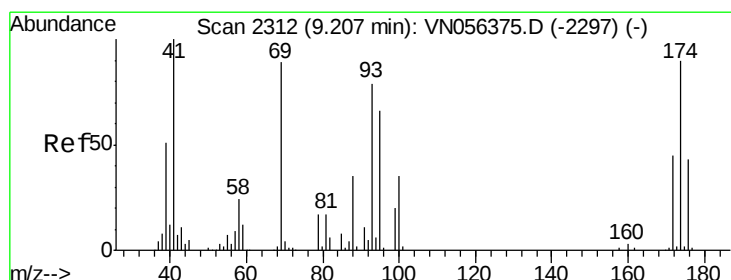
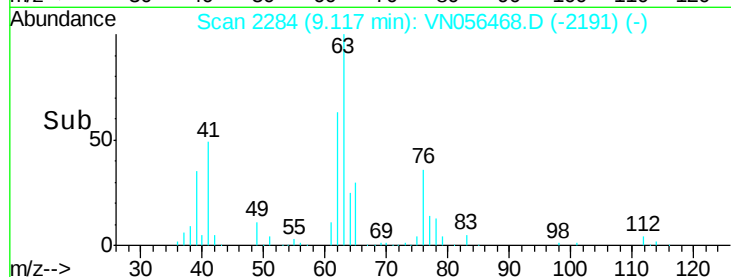
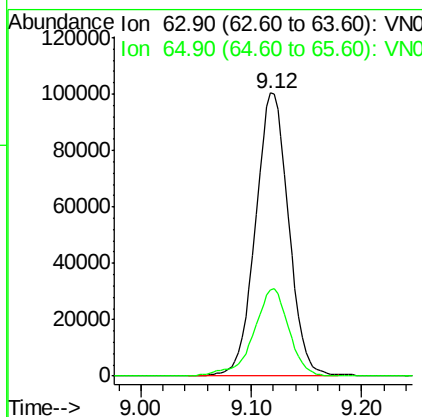
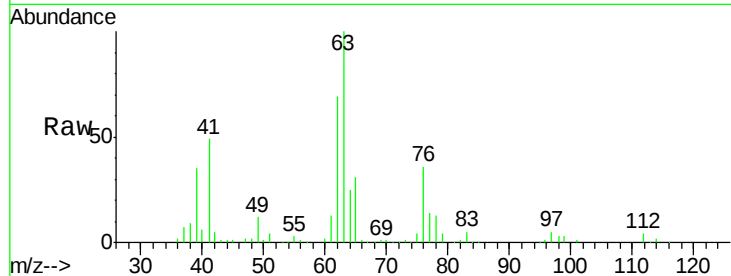
#45
 1,2-Dichloropropane
 Concen: 48.402 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056468.D
 Acq: 24 Jun 2019 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 209764
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.6

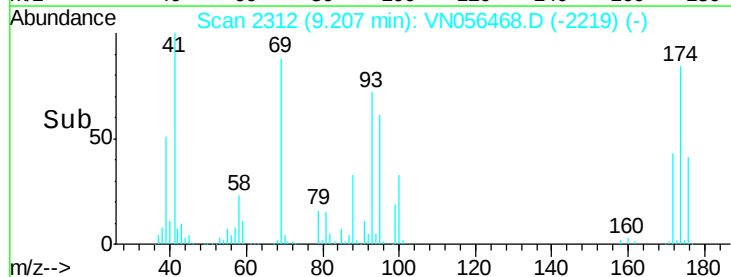
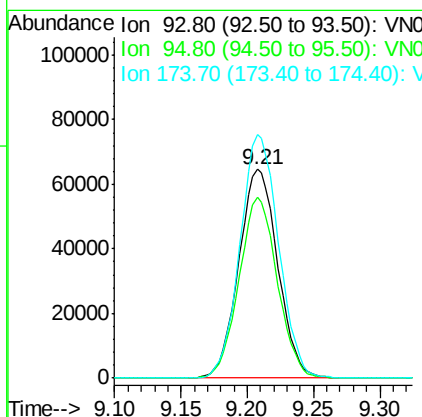
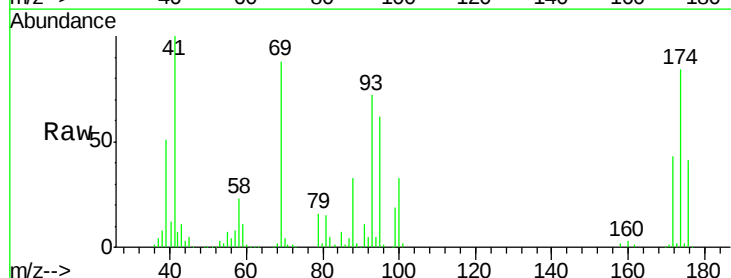
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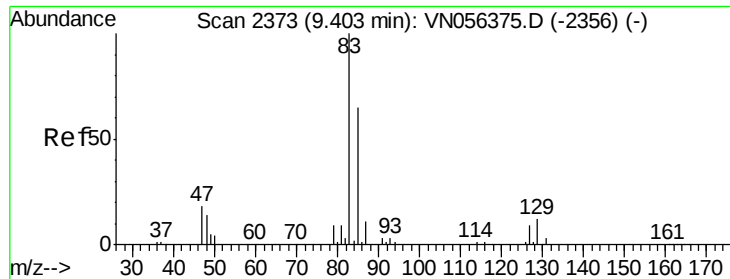
MMDadoda
 6/26/2019 8:14:28 AM



#46
 Dibromomethane
 Concen: 48.642 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056468.D
 Acq: 24 Jun 2019 20:04

Tgt Ion: 93 Resp: 131886
 Ion Ratio Lower Upper
 93 100
 95 85.1 66.2 99.2
 174 115.7 90.8 136.2





#47

Bromodichloromethane

Concen: 51.108 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056468.D

Acq: 24 Jun 2019 20:04

Instrument :

MSVOA_N

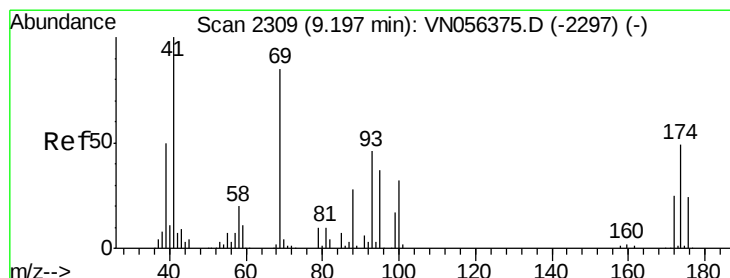
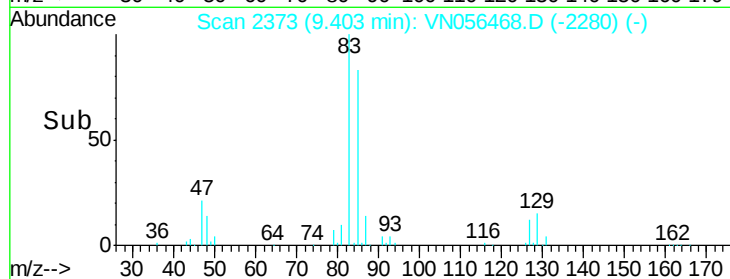
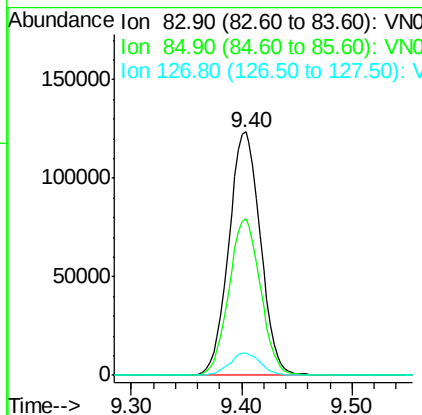
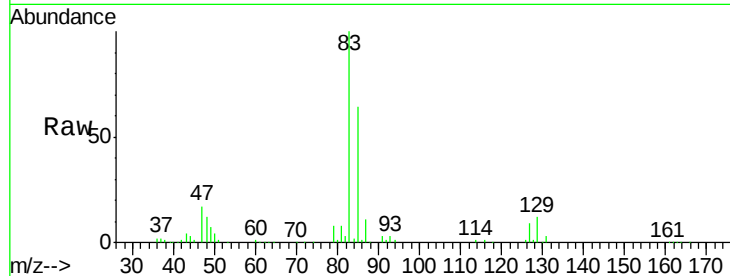
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	245767
Ion Ratio	Lower	Upper	
83	100		
85	64.2	52.2	78.4
127	9.3	7.3	10.9

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#48

Methyl methacrylate

Concen: 50.881 ug/l

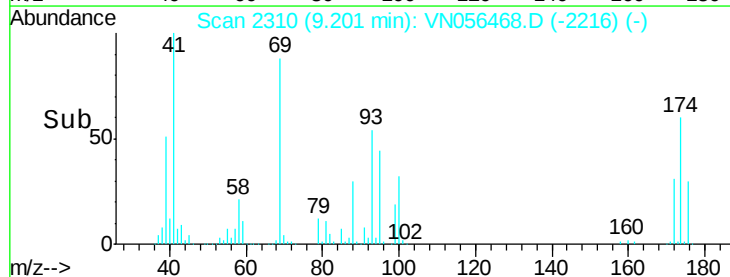
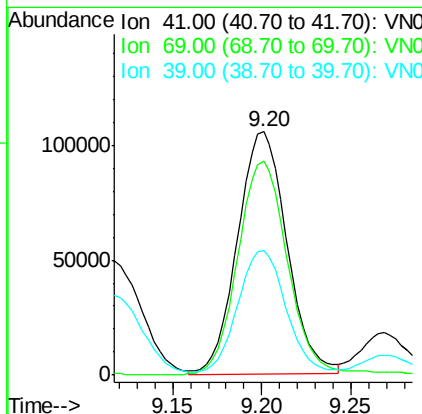
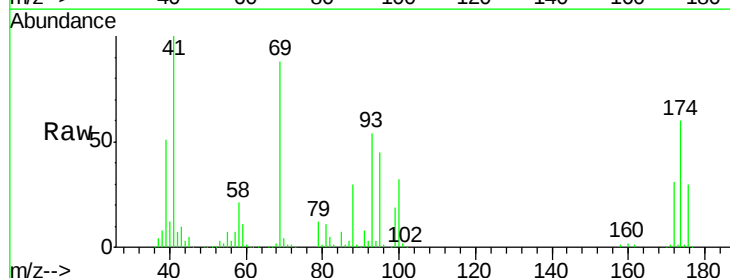
RT: 9.20 min Scan# 2310

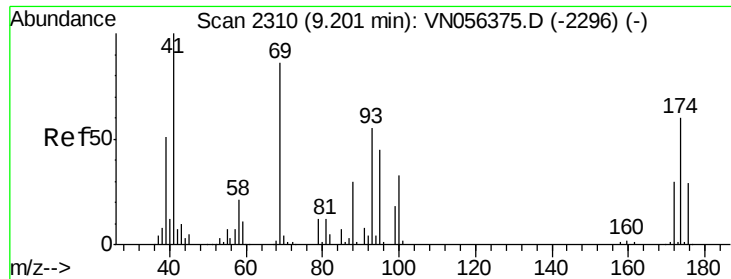
Delta R.T. 0.00 min

Lab File: VN056468.D

Acq: 24 Jun 2019 20:04

Tgt Ion:	41	Resp:	203552
Ion Ratio	Lower	Upper	
41	100		
69	89.8	72.6	109.0
39	50.7	42.6	63.8





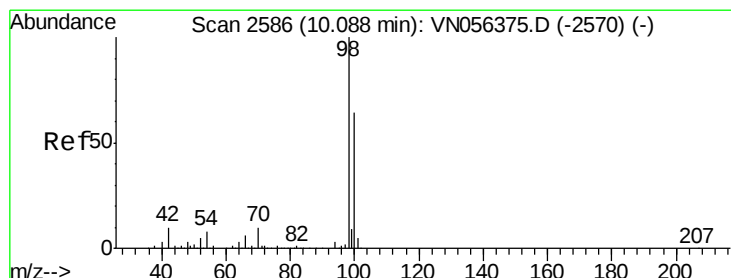
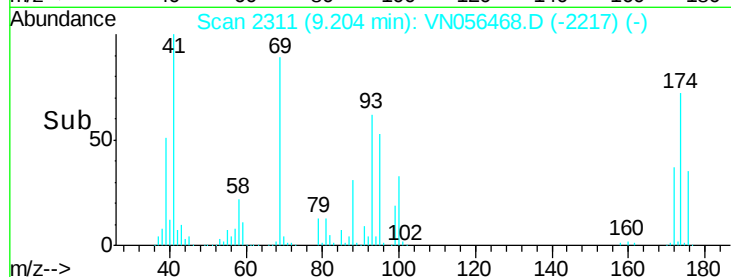
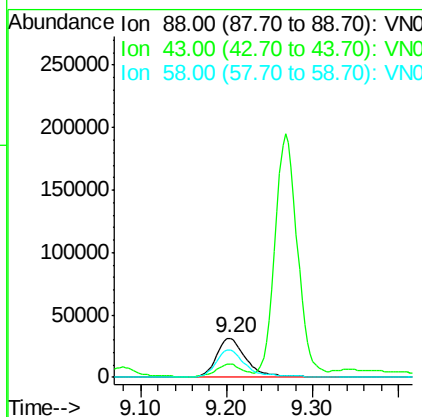
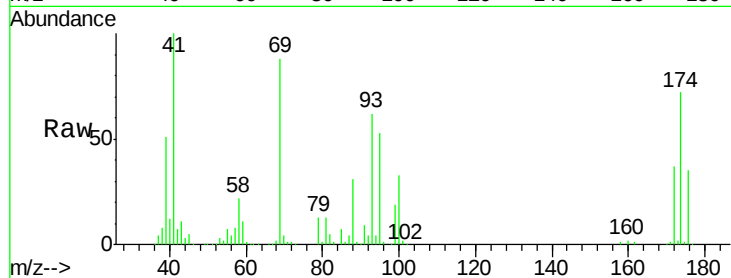
#49
1,4-Dioxane
Concen: 922.242 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	76564
Ion	Ratio	Lower	Upper
88	100		
43	27.0	22.0	33.0
58	72.4	51.8	77.8

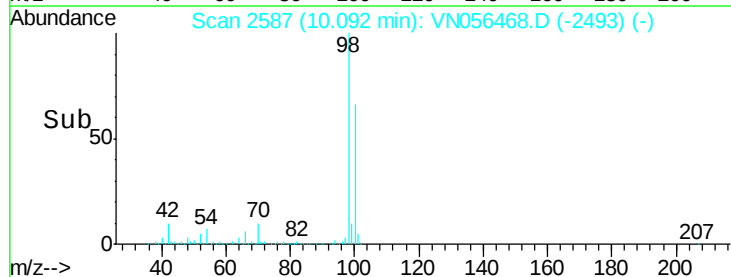
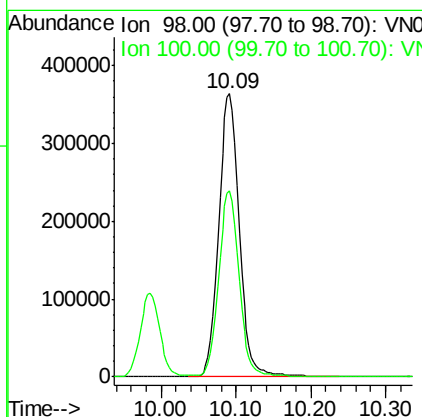
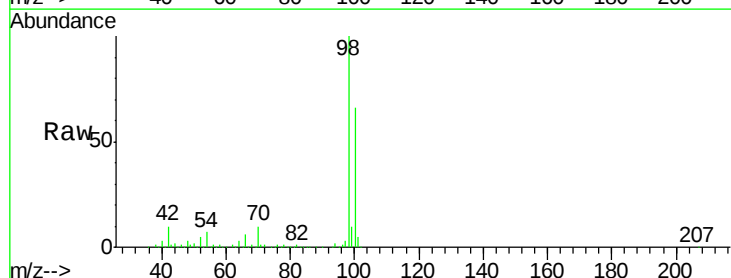
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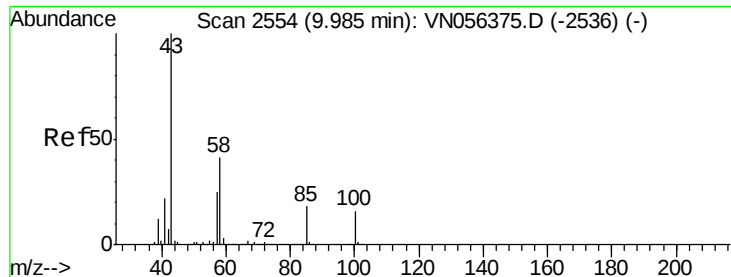
MMDadoda
6/26/2019 8:14:28 AM



#50
Toluene-d8
Concen: 47.714 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Tgt Ion	98	Resp	693228
Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 253.001 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056468.D

Acq: 24 Jun 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1303615

Ion Ratio Lower Upper

43 100

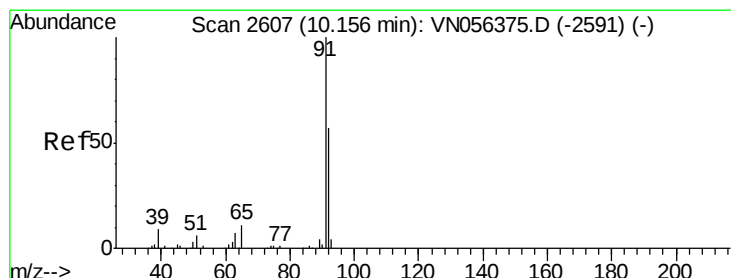
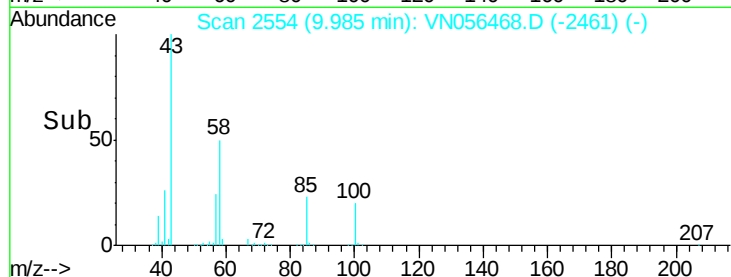
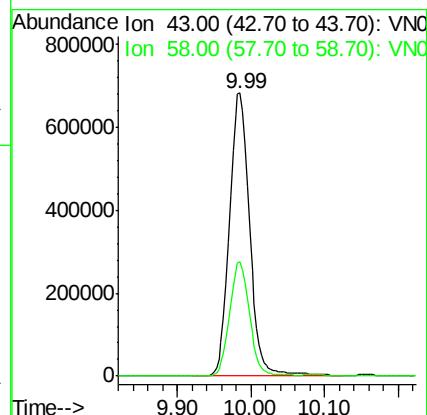
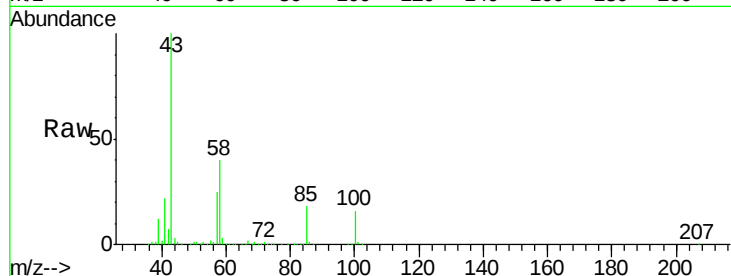
58 39.9 31.8 47.8

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#52

Toluene

Concen: 47.182 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056468.D

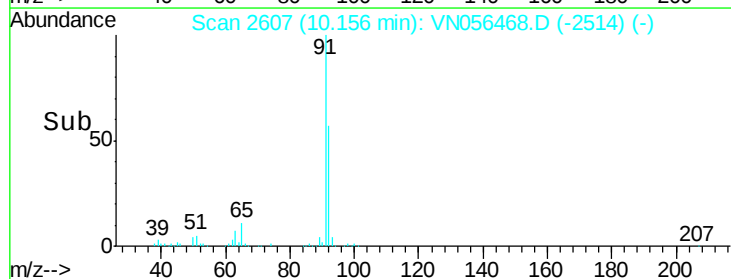
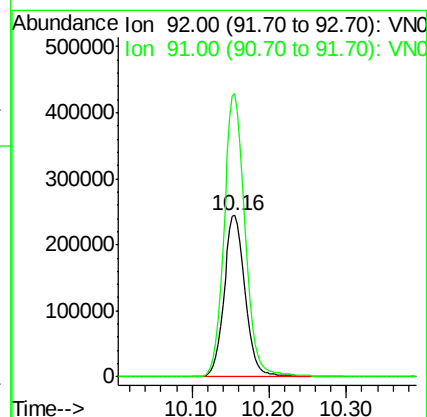
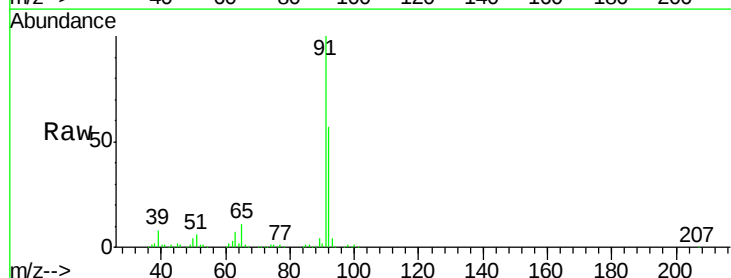
Acq: 24 Jun 2019 20:04

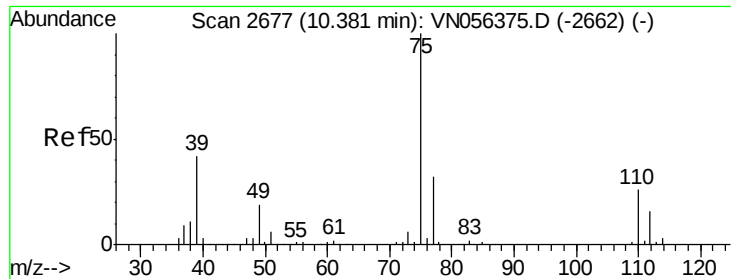
Tgt Ion: 92 Resp: 467445

Ion Ratio Lower Upper

92 100

91 174.8 140.6 211.0





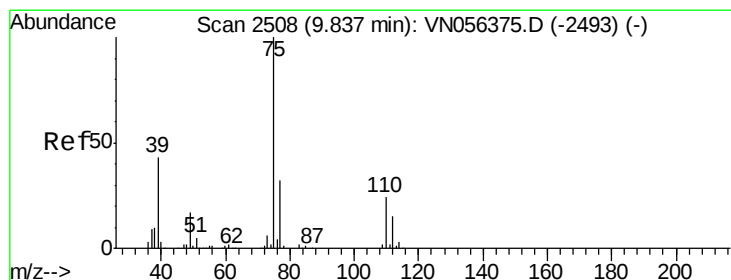
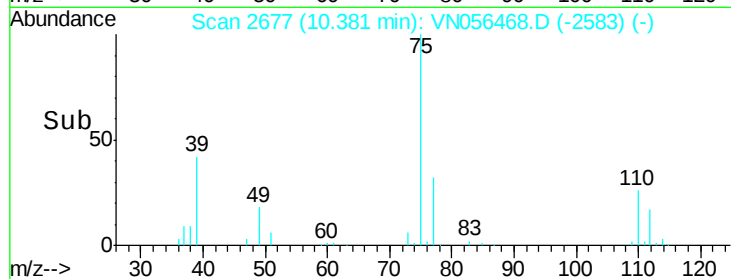
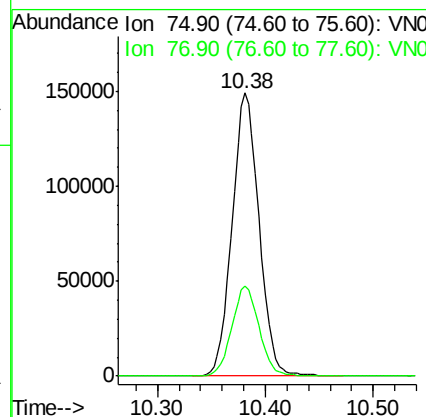
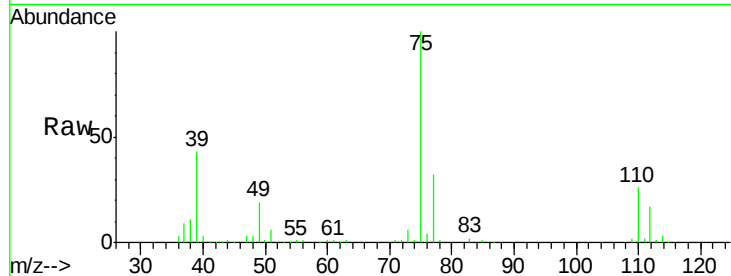
#53
 t-1,3-Dichloropropene
 Concen: 46.603 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056468.D
 Acq: 24 Jun 2019 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 259850
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.4 38.2

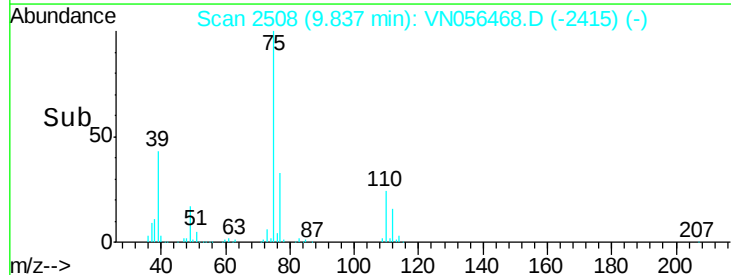
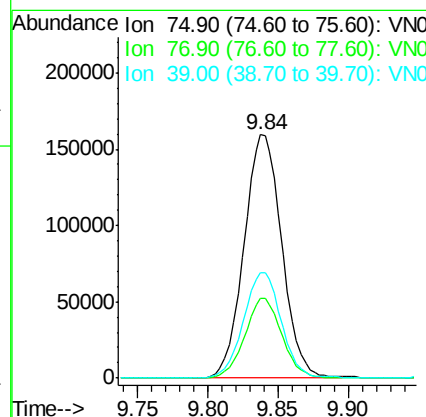
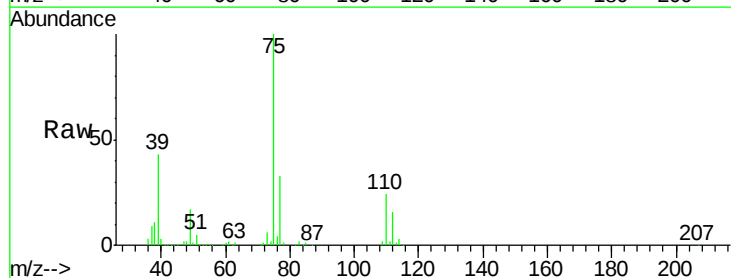
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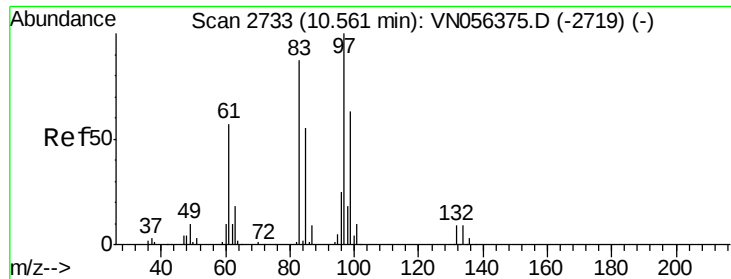
MMDadoda
 6/26/2019 8:14:28 AM



#54
 cis-1,3-Dichloropropene
 Concen: 51.697 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN056468.D
 Acq: 24 Jun 2019 20:04

Tgt Ion: 75 Resp: 299371
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.2 37.8
 39 43.2 34.2 51.4





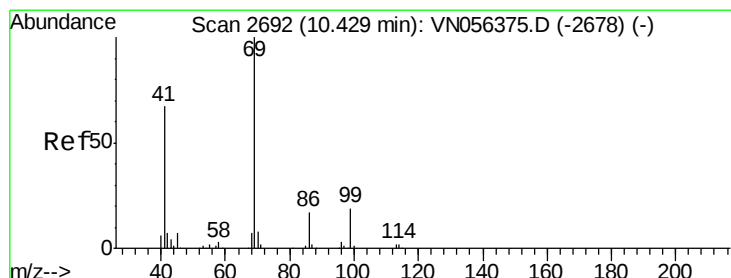
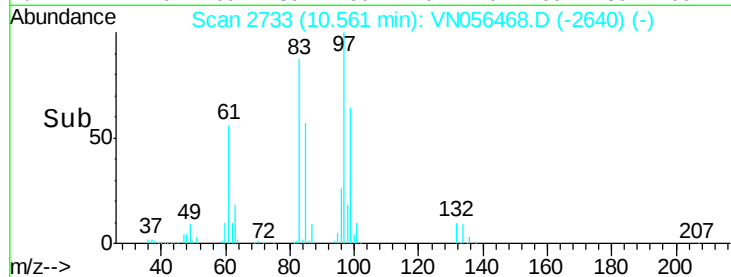
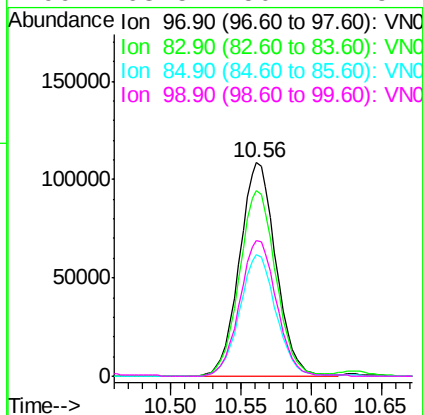
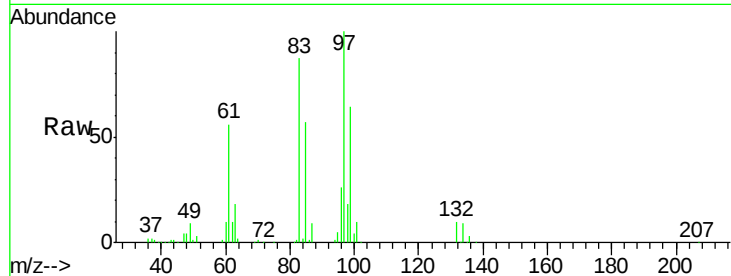
#55
 1,1,2-Trichloroethane
 Concen: 49.422 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056468.D
 Acq: 24 Jun 2019 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	196815
Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.8	104.6
85	56.8	43.8	65.8
99	63.5	50.2	75.2

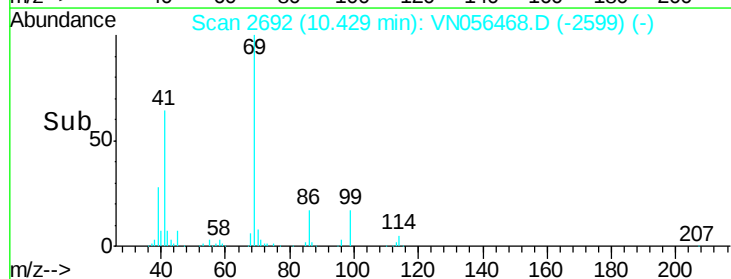
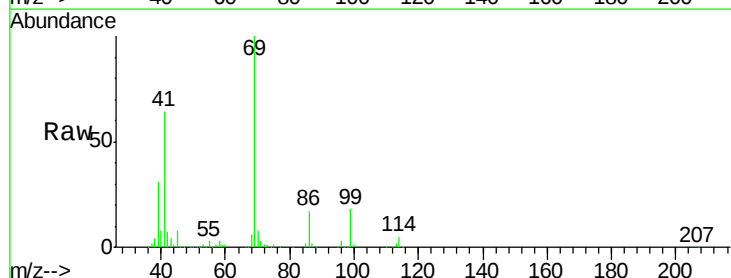
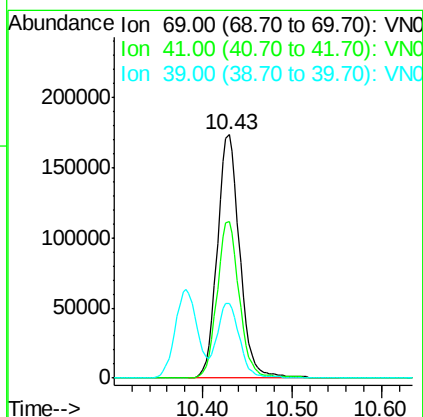
Manual Integrations
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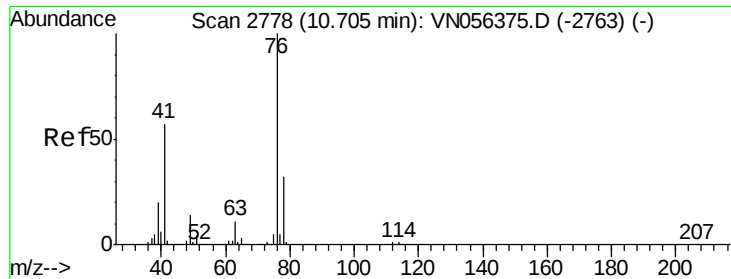
MMDadoda
 6/26/2019 8:14:28 AM



#56
 Ethyl methacrylate
 Concen: 51.897 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056468.D
 Acq: 24 Jun 2019 20:04

Tgt Ion:	69	Resp:	302031
Ion	Ratio	Lower	Upper
69	100		
41	63.4	51.4	77.2
39	30.0	24.7	37.1





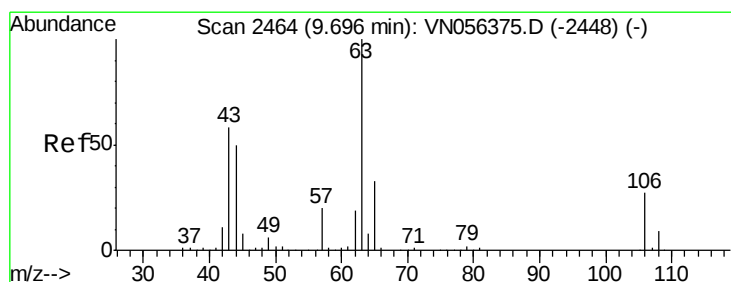
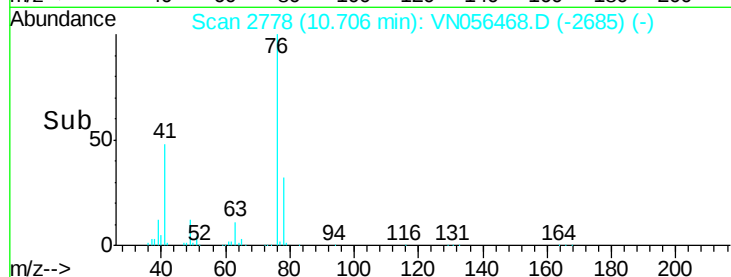
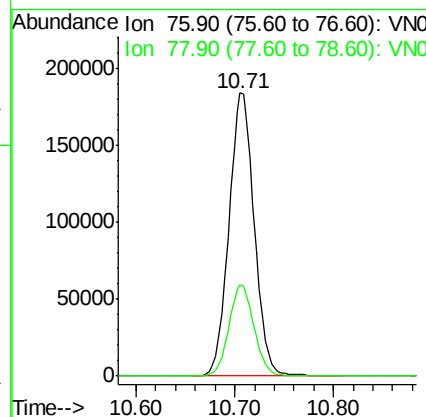
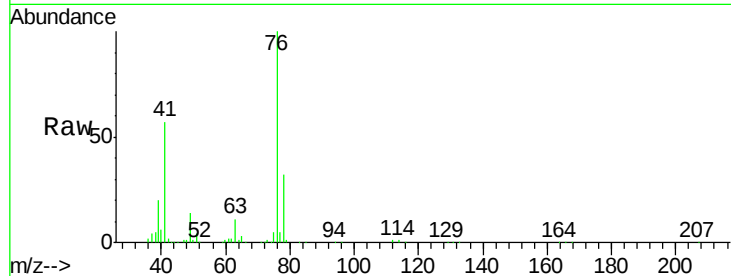
#57
 1,3-Dichloropropane
 Concen: 49.369 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056468.D
 Acq: 24 Jun 2019 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 330280
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.9 38.9

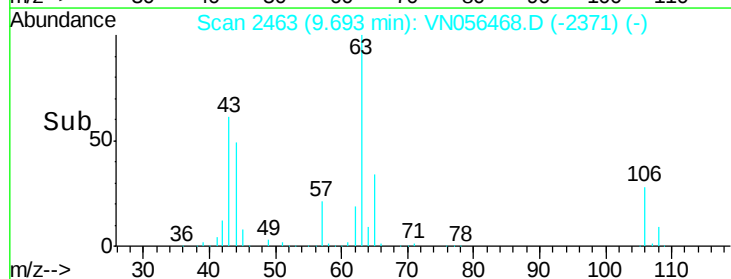
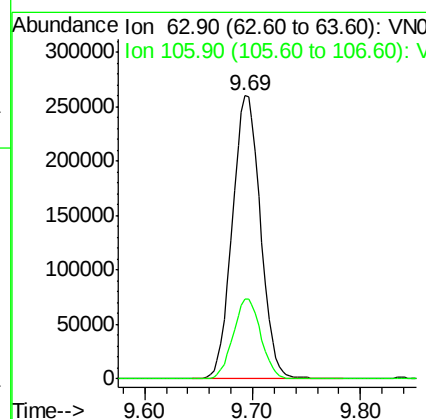
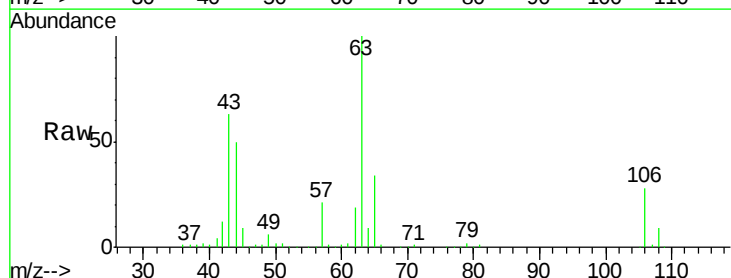
Manual Integrations
 APPROVED

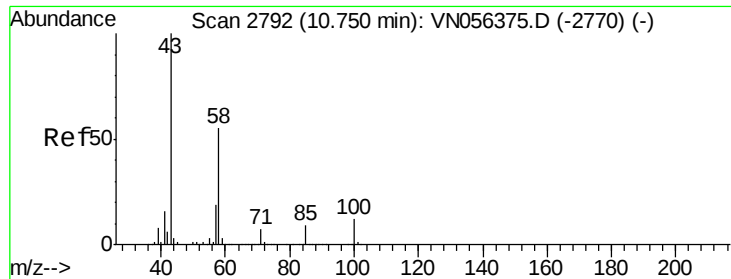
MMDadoda
 6/26/2019 8:14:28 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 226.930 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN056468.D
 Acq: 24 Jun 2019 20:04

Tgt Ion: 63 Resp: 474462
 Ion Ratio Lower Upper
 63 100
 106 27.9 21.6 32.4





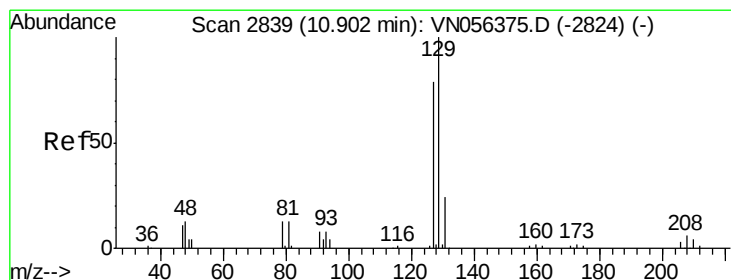
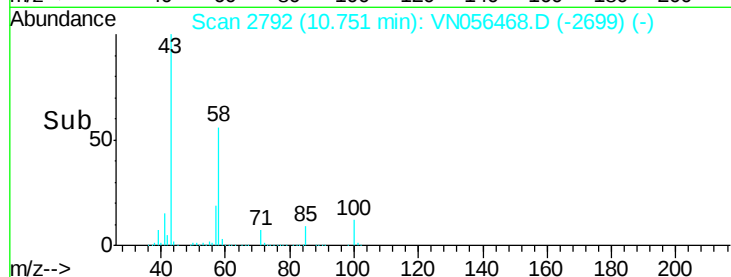
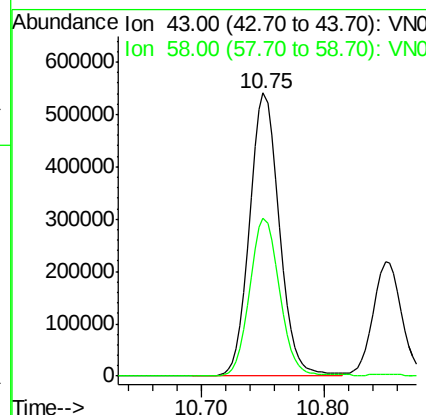
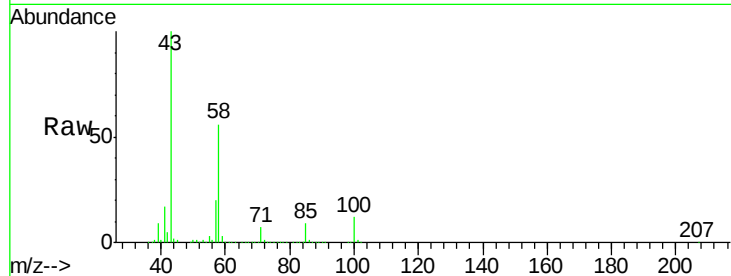
#59
2-Hexanone
Concen: 238.331 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 902560
Ion Ratio Lower Upper
43 100
58 56.5 27.8 83.4

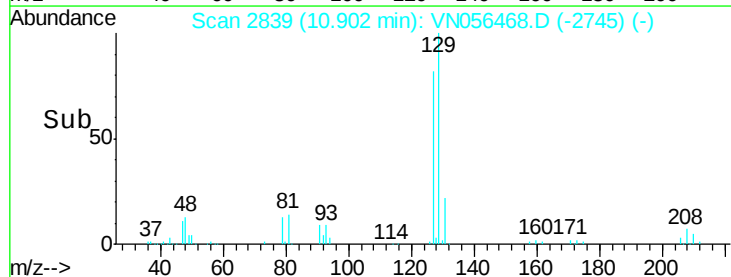
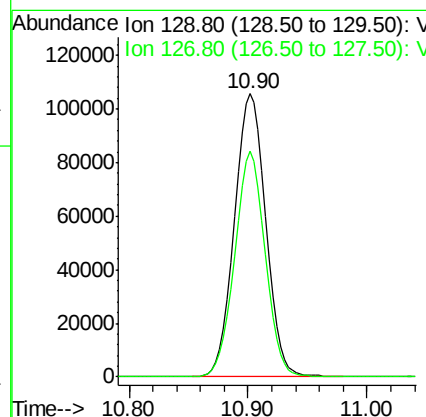
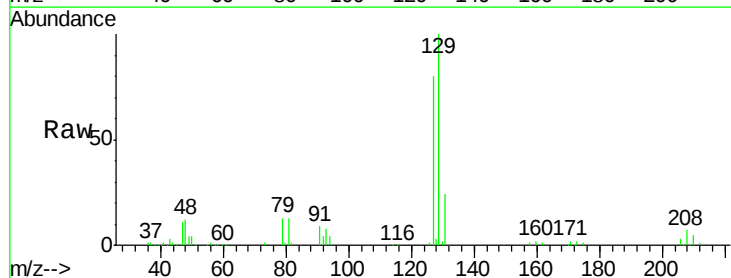
Manual Integrations
APPROVED

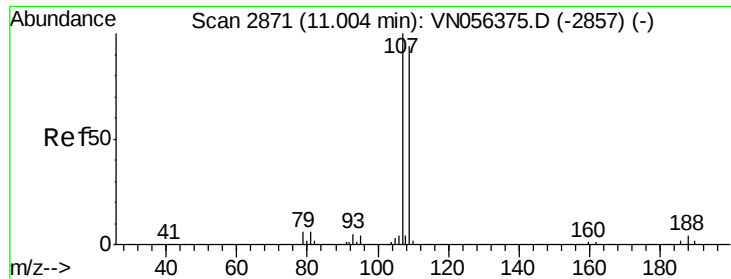
MMDadoda
6/26/2019 8:14:28 AM



#60
Dibromochloromethane
Concen: 47.273 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Tgt Ion: 129 Resp: 192943
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.7





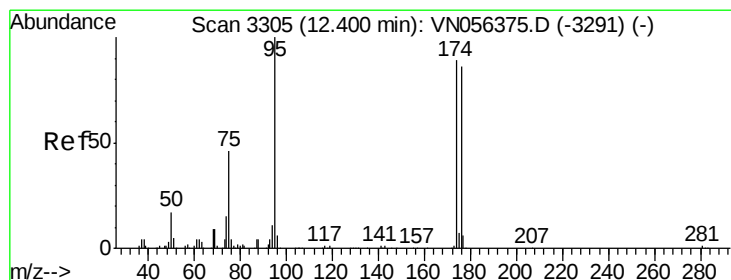
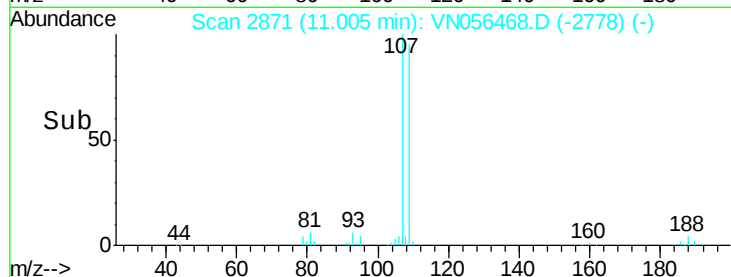
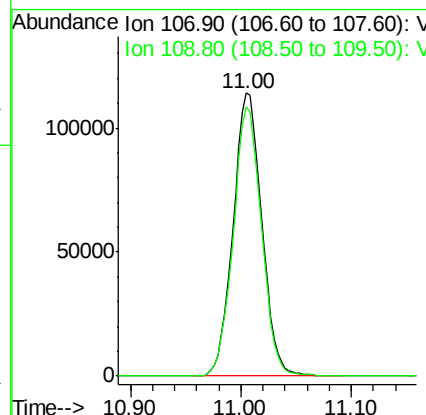
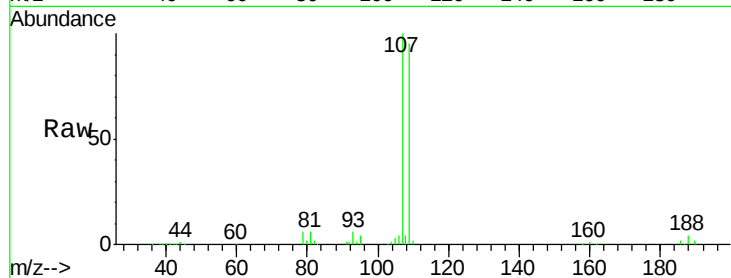
#61
 1,2-Dibromoethane
 Concen: 50.595 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056468.D
 Acq: 24 Jun 2019 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.3	112.9

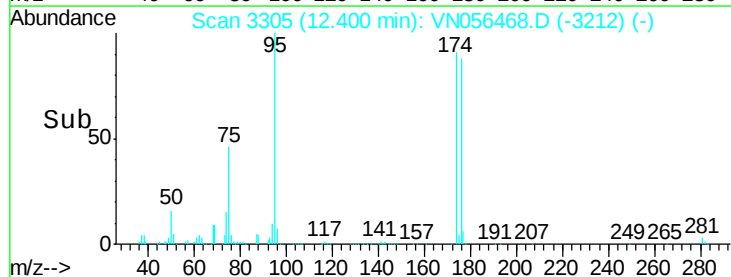
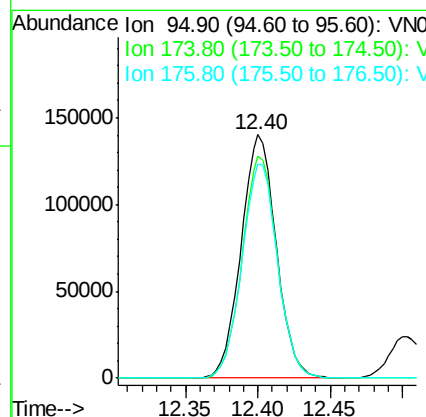
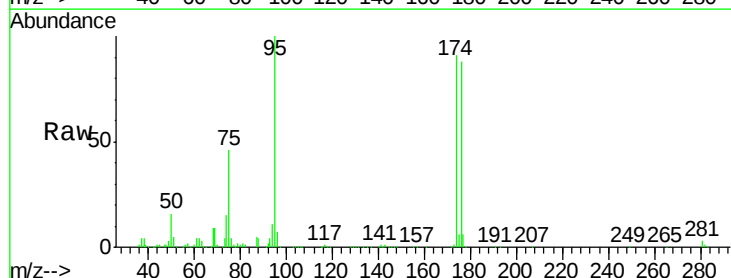
Manual Integrations
 APPROVED

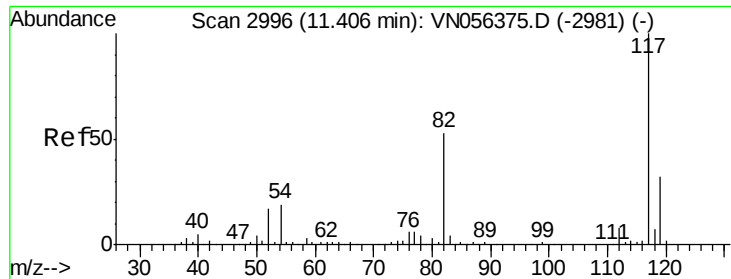
MMDadoda
 6/26/2019 8:14:28 AM



#62
 4-Bromofluorobenzene
 Concen: 48.727 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056468.D
 Acq: 24 Jun 2019 20:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.2	0.0	179.4
176	89.1	0.0	173.4





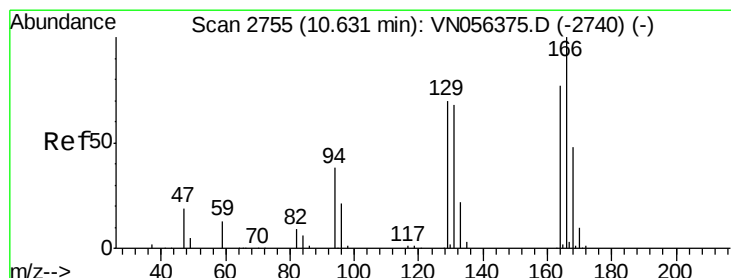
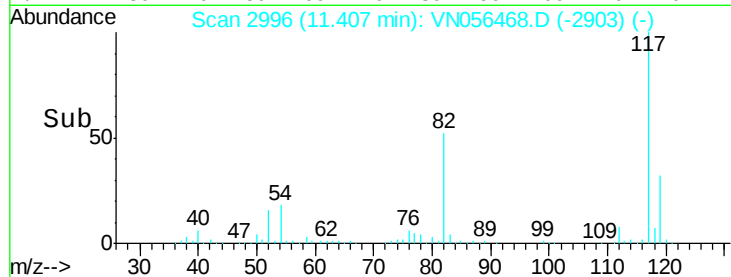
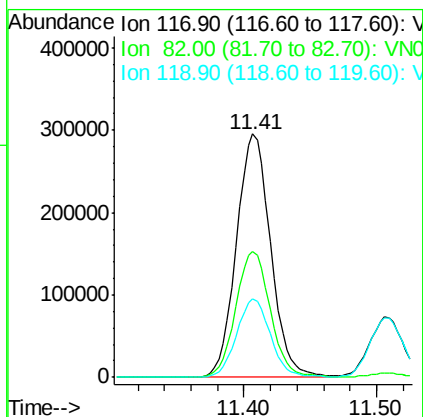
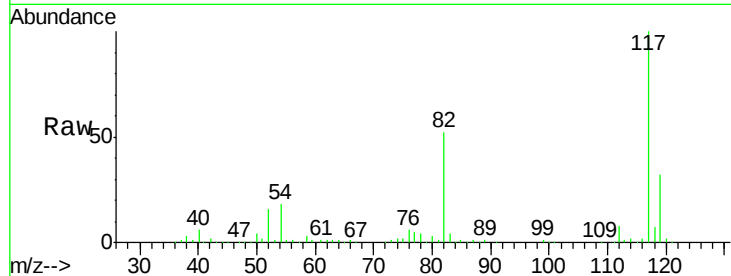
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	42.0	63.0
119	32.2	25.3	37.9

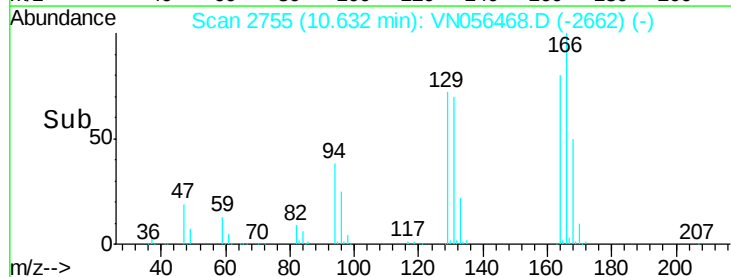
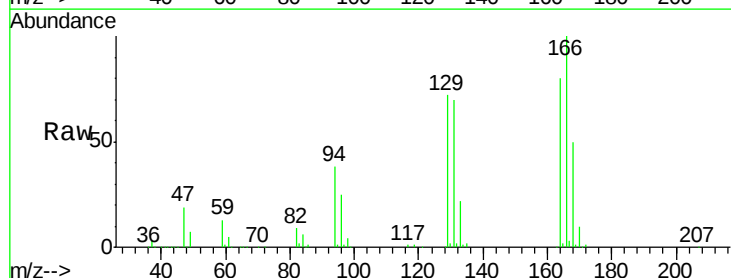
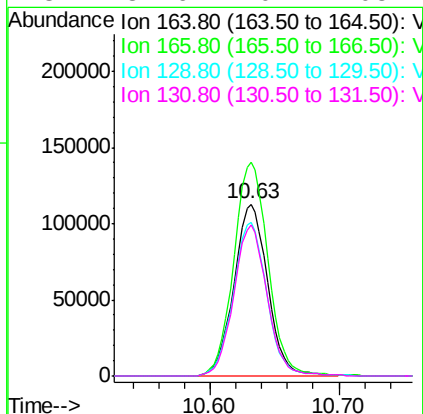
Manual Integrations
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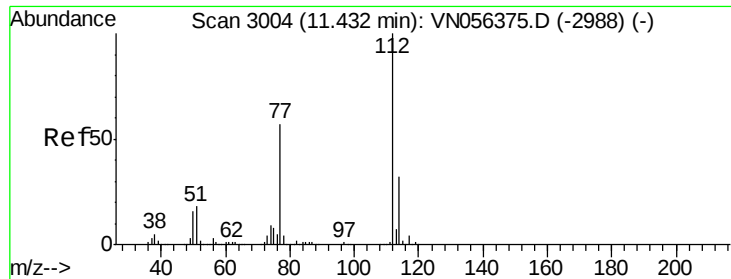
MMDadoda
6/26/2019 8:14:28 AM



#64
Tetrachloroethene
Concen: 48.778 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	103.4	155.0
129	89.1	72.0	108.0
131	87.6	70.2	105.2





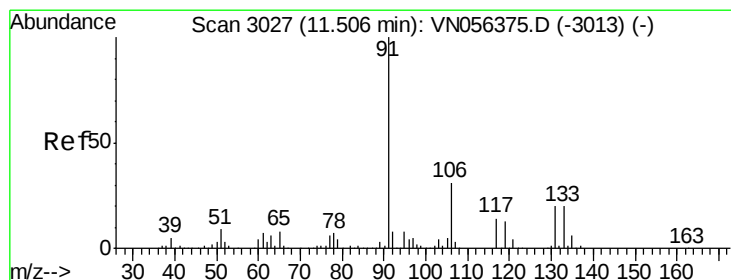
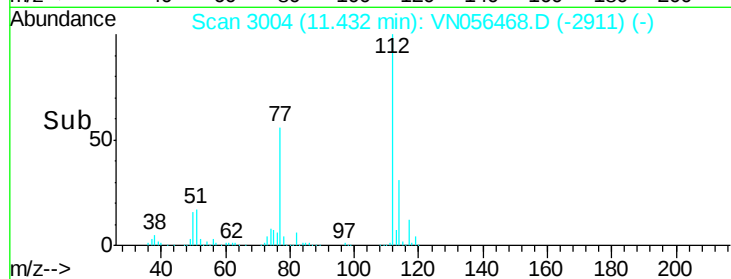
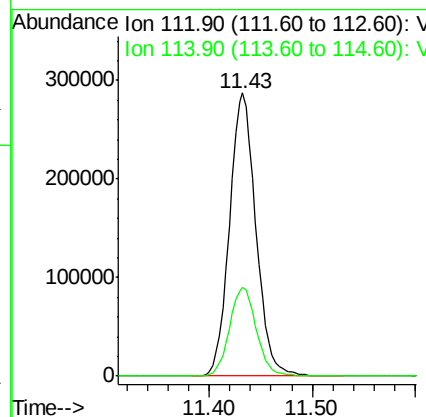
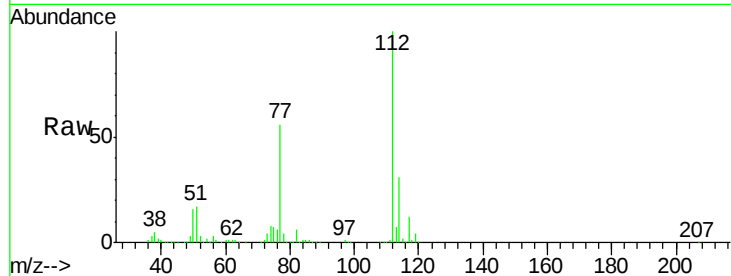
#65
Chlorobenzene
Concen: 47.948 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 511447
Ion Ratio Lower Upper
112 100
114 31.2 25.4 38.2

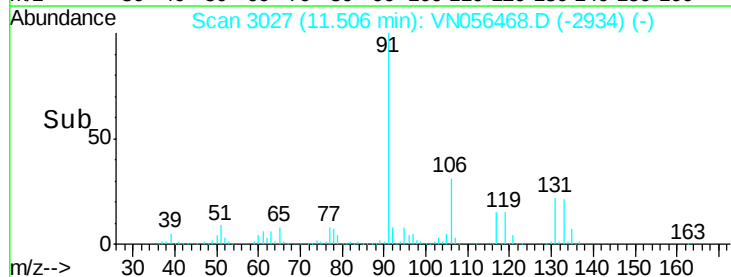
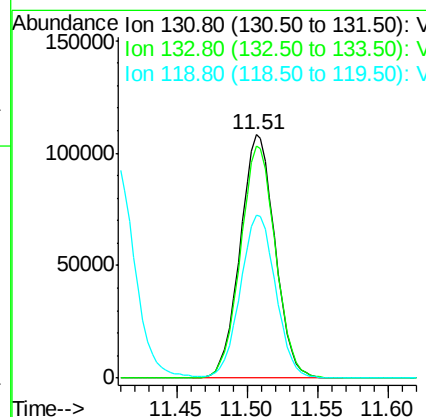
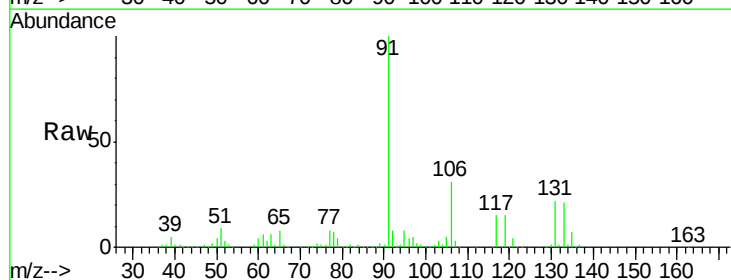
Manual Integrations
APPROVED

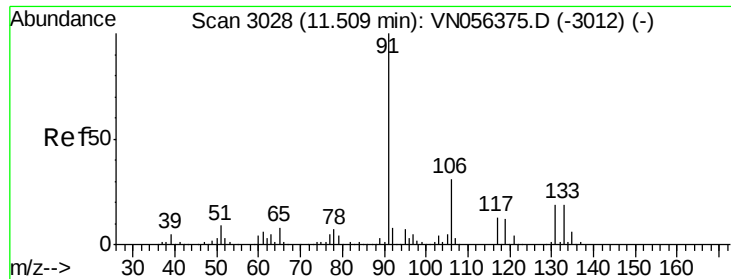
MMDadoda
6/26/2019 8:14:28 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.000 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Tgt Ion:131 Resp: 187464
Ion Ratio Lower Upper
131 100
133 95.8 47.4 142.2
119 68.0 32.8 98.4





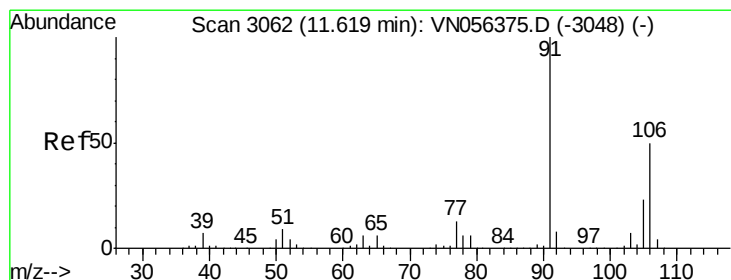
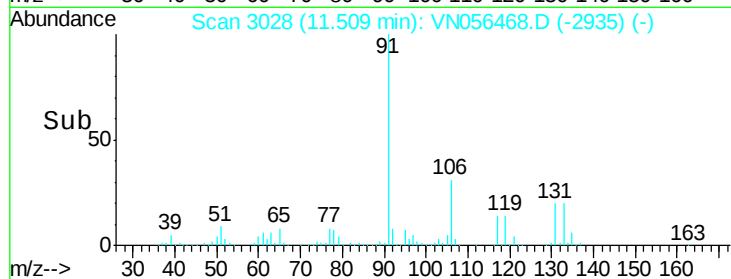
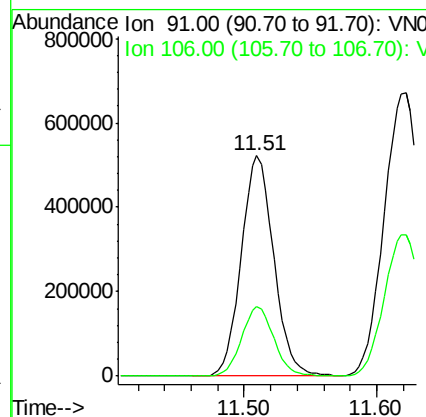
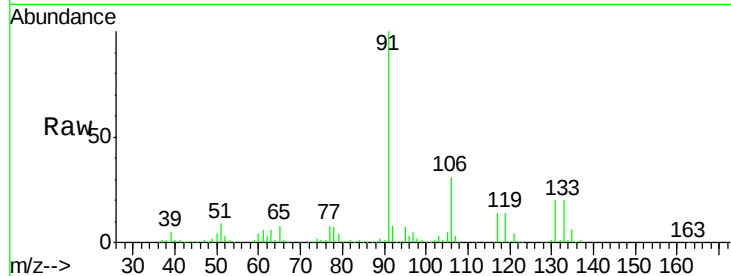
#67
Ethyl Benzene
Concen: 47.539 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 890375
Ion Ratio Lower Upper
91 100
106 31.4 25.1 37.7

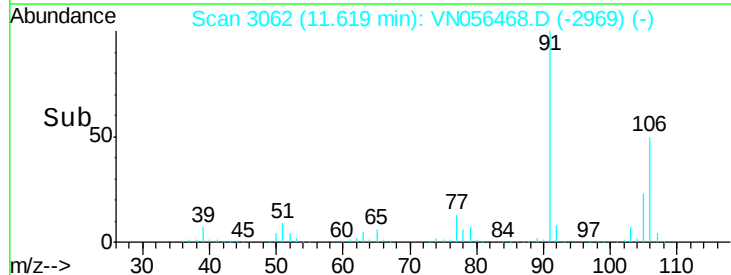
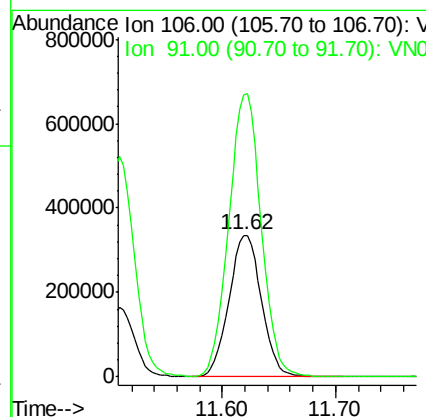
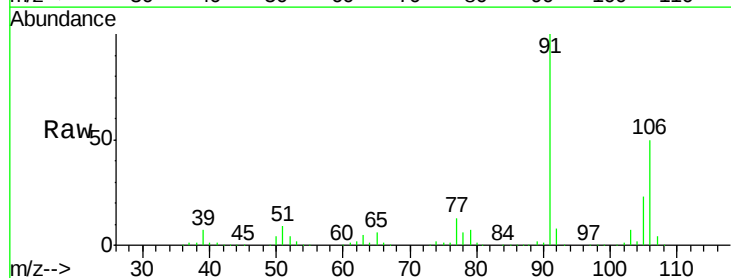
Manual Integrations
APPROVED

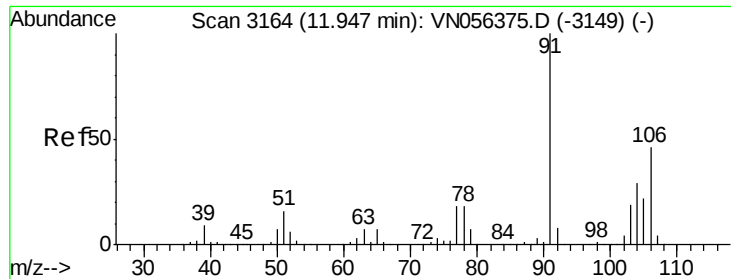
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#68
m/p-Xylenes
Concen: 97.459 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Tgt Ion: 106 Resp: 668945
Ion Ratio Lower Upper
106 100
91 200.0 160.1 240.1





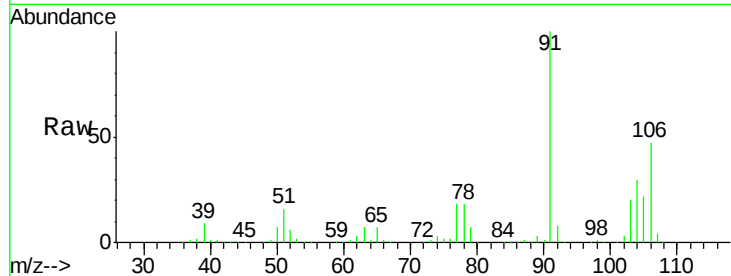
#69
o-Xylene
Concen: 48.780 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

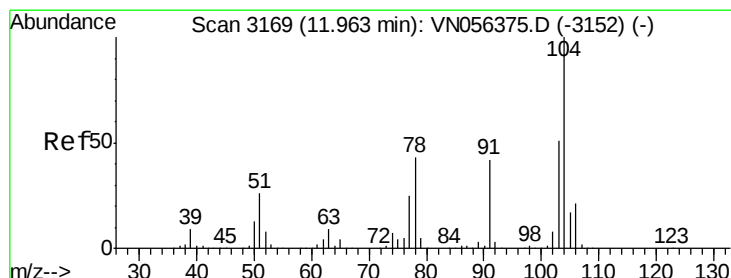
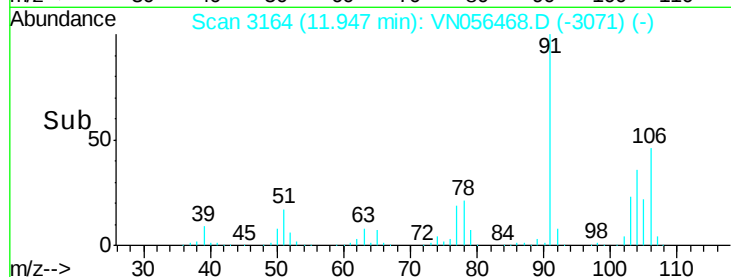
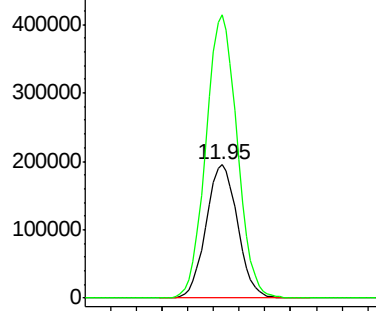
Tot Ion	Ion	Ratio	Lower	Upper
331248	106	100		
	91	210.3	107.1	321.3

Manual Integrations
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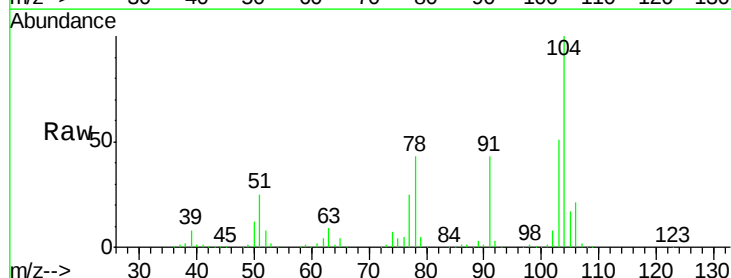


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

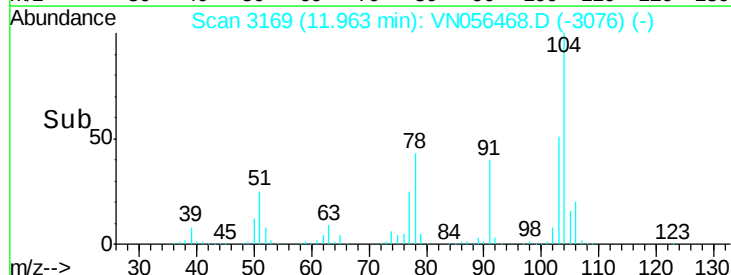
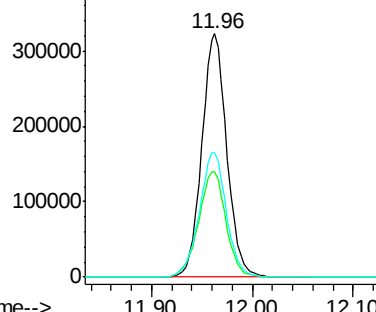


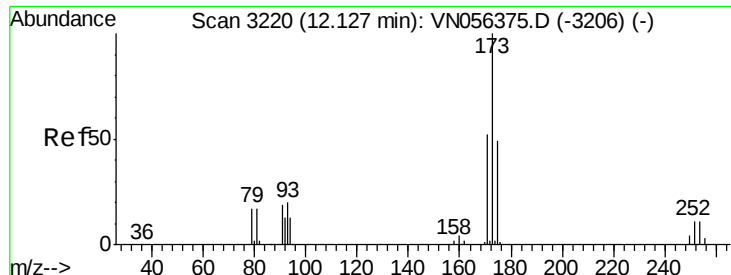
#70
Styrene
Concen: 51.047 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Tgt Ion	Ion	Ratio	Lower	Upper
554079	104	100		
	78	47.6	38.6	57.8
	103	55.4	43.9	65.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





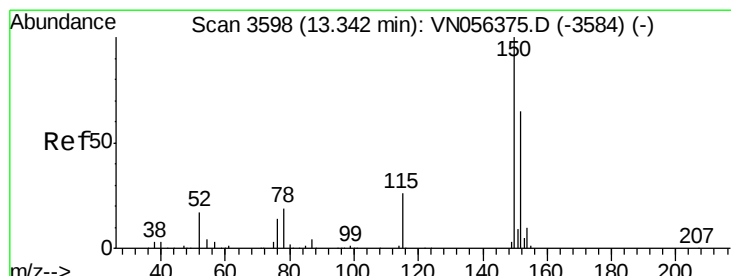
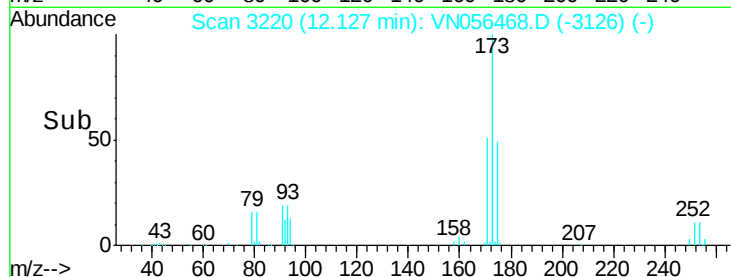
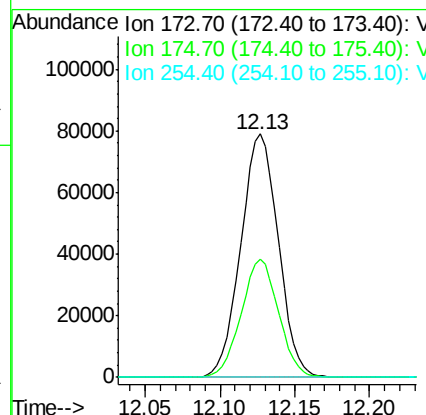
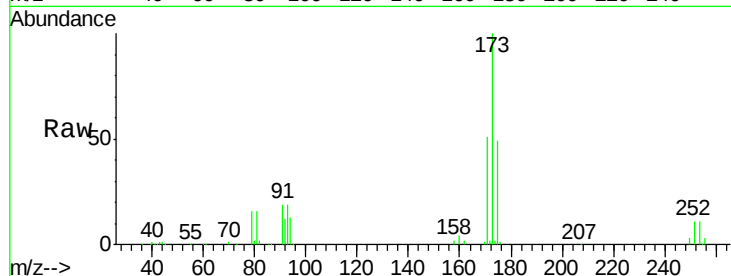
#71
Bromoform
Concen: 47.603 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.4	73.4
254	0.0	0.0	0.0

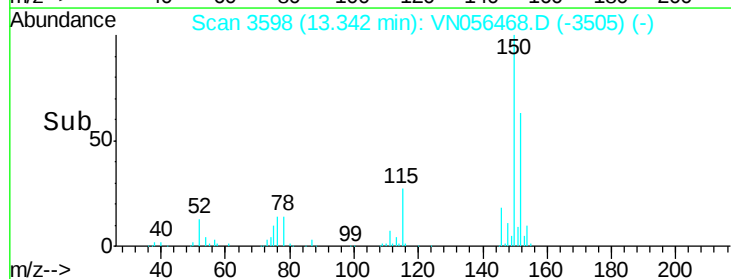
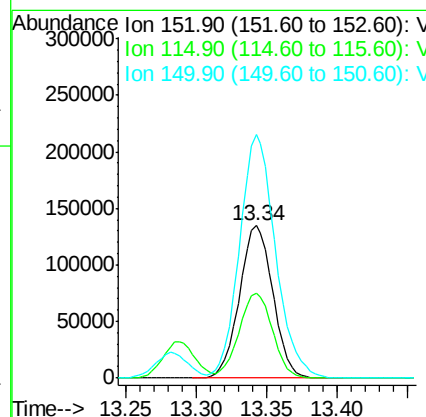
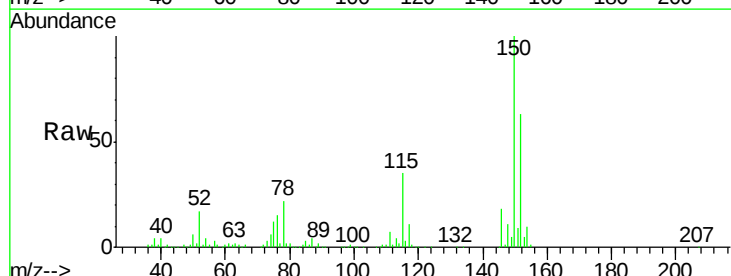
Manual Integrations
APPROVED

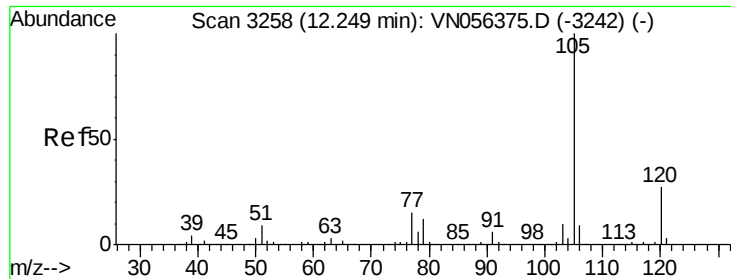
MMDadoda
6/26/2019 8:14:28 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	28.1	84.4
150	171.9	0.0	348.4





#73

Isopropylbenzene

Concen: 52.099 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056468.D

Acq: 24 Jun 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 873859

Ion Ratio Lower Upper

105 100

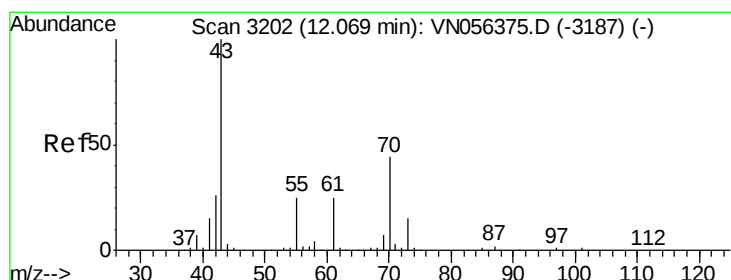
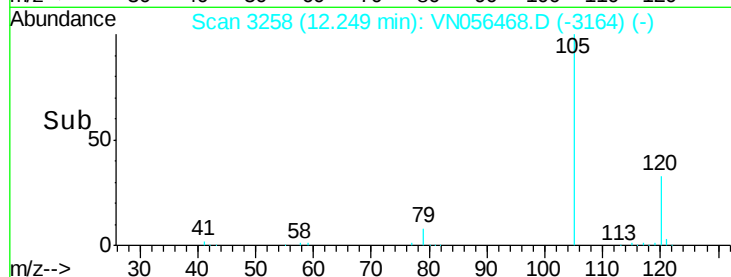
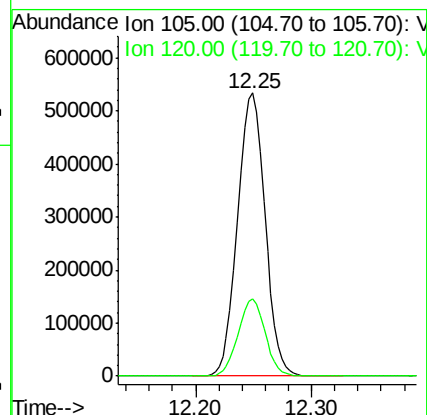
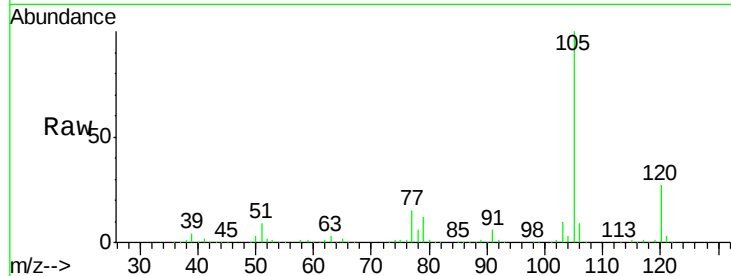
120 26.8 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 46.059 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056468.D

Acq: 24 Jun 2019 20:04

Tgt Ion: 43 Resp: 328059

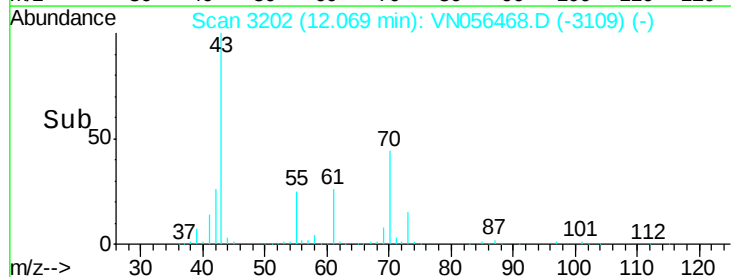
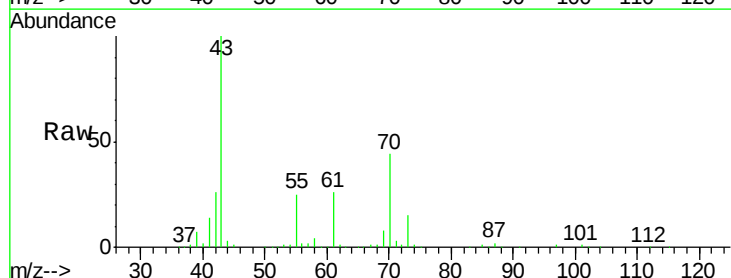
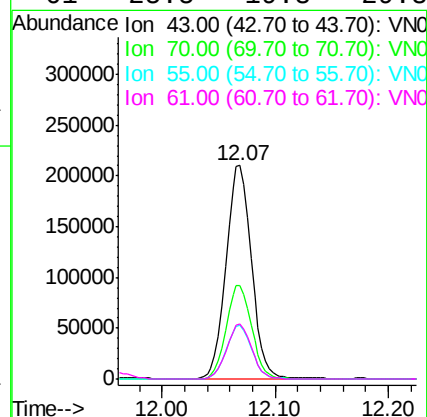
Ion Ratio Lower Upper

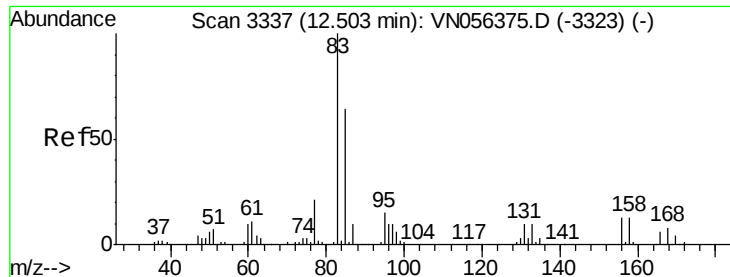
43 100

70 44.3 34.9 52.3

55 25.3 20.4 30.6

61 25.5 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 52.224 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056468.D

Acq: 24 Jun 2019 20:04

Instrument :

MSVOA_N

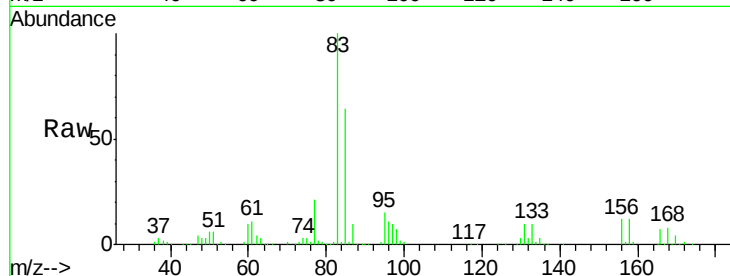
ClientSampleId :

VSTDCCC050EC

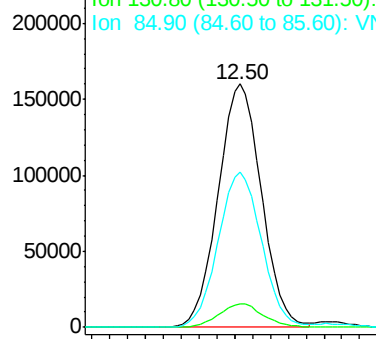
Tot Ion:	83	Resp:	271061
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.3	15.8
85	64.1	32.4	97.0

Manual Integrations
APPROVED

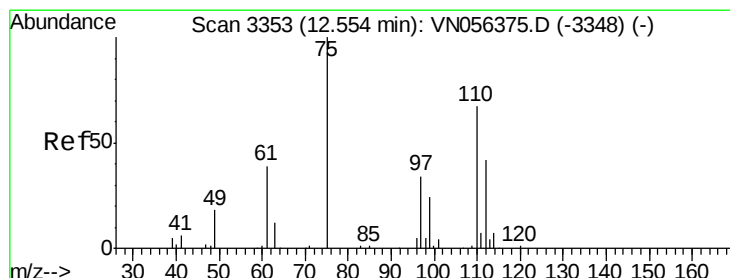
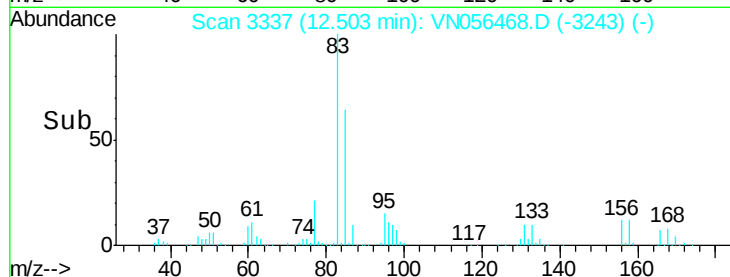
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Abundance Ion 82.90 (82.60 to 83.60): VN056468.D (-3243) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 51.458 ug/l m

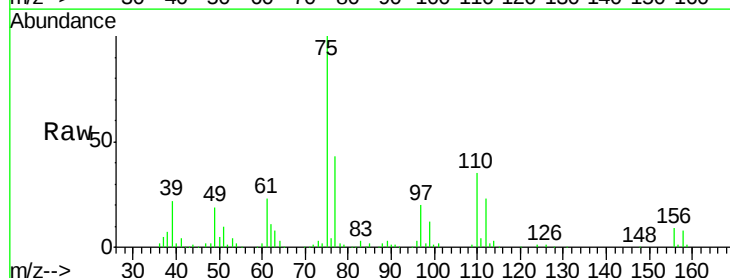
RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

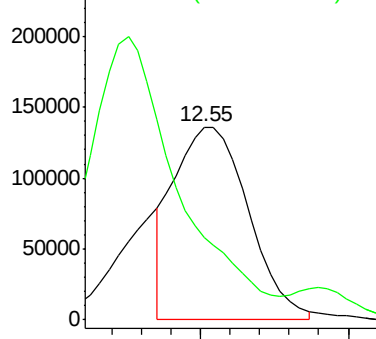
Lab File: VN056468.D

Acq: 24 Jun 2019 20:04

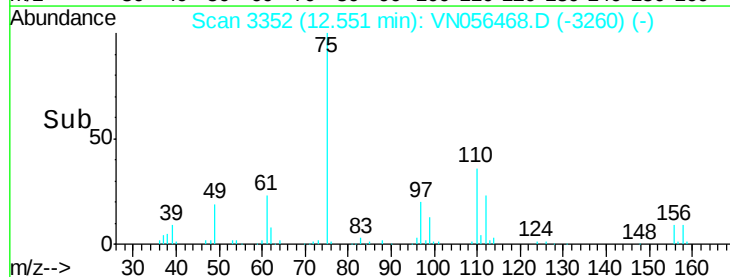
Tgt Ion:	75	Resp:	238792
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

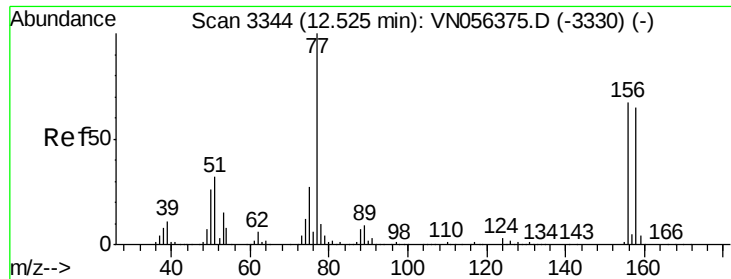


Abundance Ion 74.90 (74.60 to 75.60): VN056468.D (-3260) (-)



Time-->





#77

Bromobenzene

Concen: 46.018 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056468.D

Acq: 24 Jun 2019 20:04

Instrument :

MSVOA_N

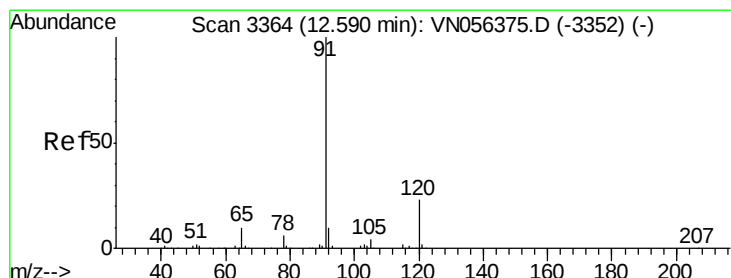
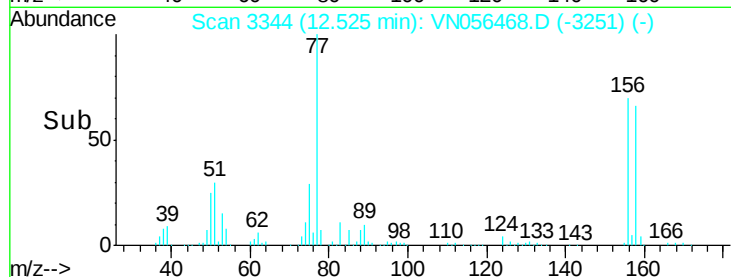
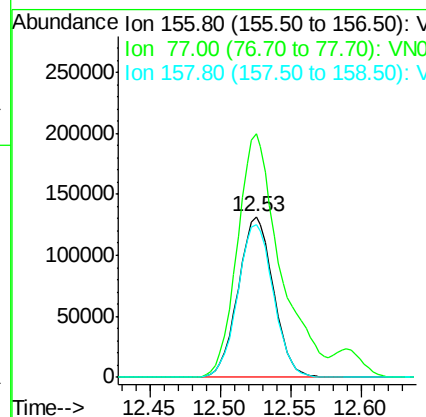
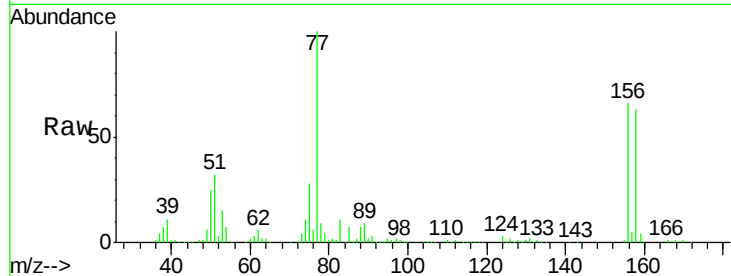
ClientSampled :

VSTDCCC050EC

Tot Ion:	156	Resp:	230283
Ion Ratio	Lower	Upper	
156	100		
77	184.8	92.5	277.3
158	96.2	48.7	146.1

Manual Integrations
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#78

n-propylbenzene

Concen: 45.986 ug/l

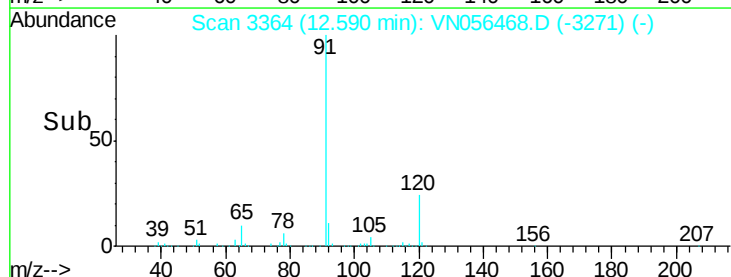
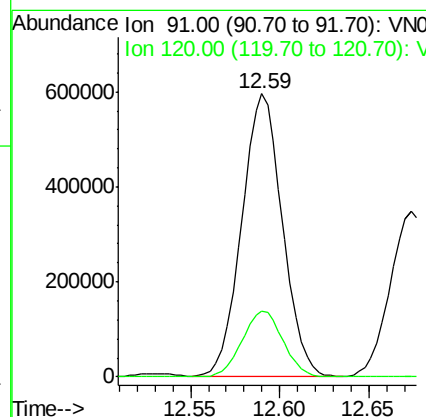
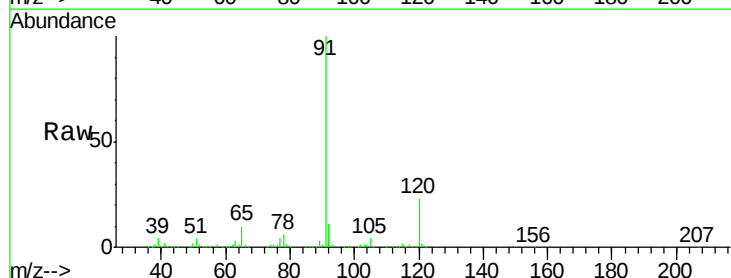
RT: 12.59 min Scan# 3364

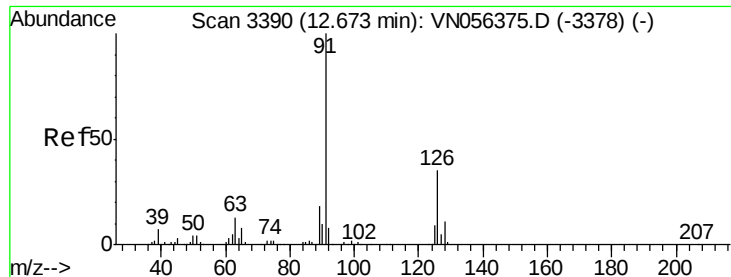
Delta R.T. 0.00 min

Lab File: VN056468.D

Acq: 24 Jun 2019 20:04

Tgt Ion:	91	Resp:	942460
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.8	35.4





#79

2-Chlorotoluene

Concen: 51.350 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056468.D

Acq: 24 Jun 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 576308

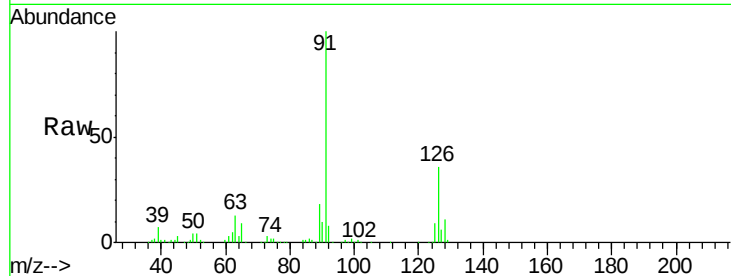
Ion Ratio Lower Upper

91 100

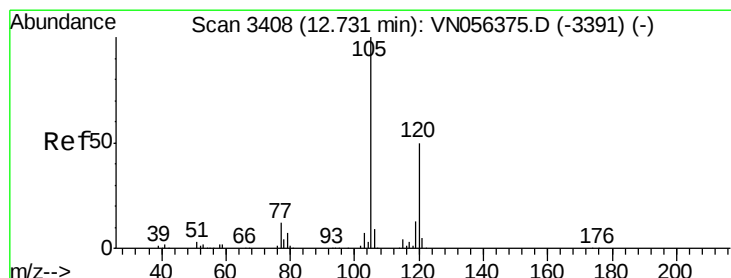
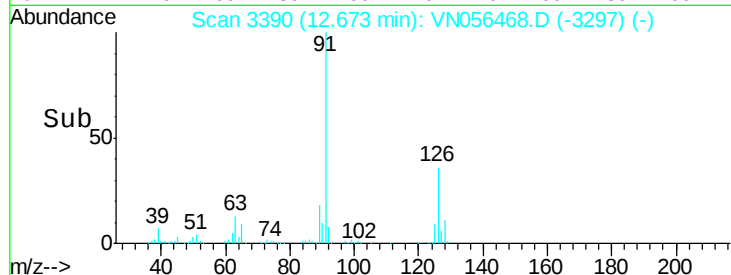
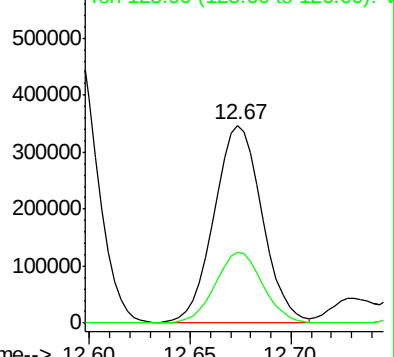
126 35.8 17.6 52.8

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN056375.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.905 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056468.D

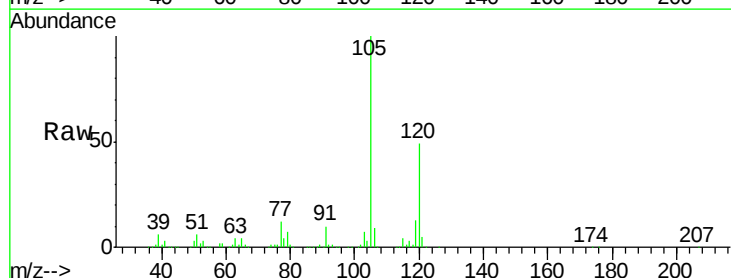
Acq: 24 Jun 2019 20:04

Tgt Ion: 105 Resp: 716404

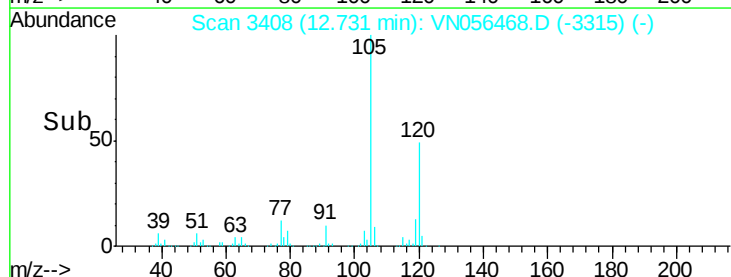
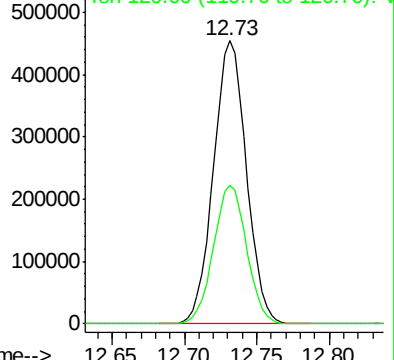
Ion Ratio Lower Upper

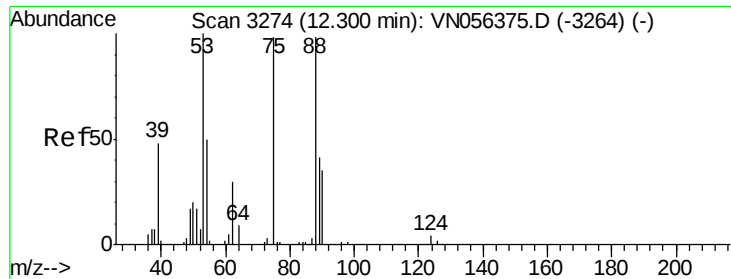
105 100

120 49.4 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VN056375.D (-3391) (-)





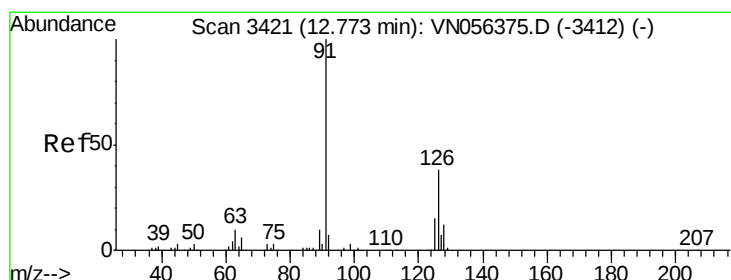
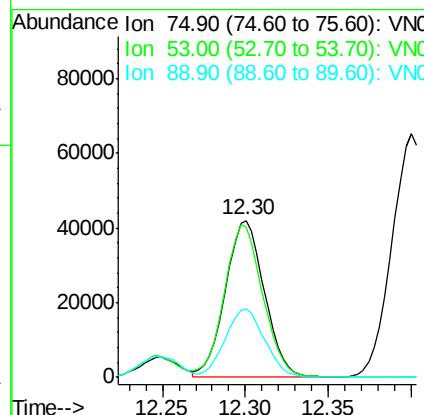
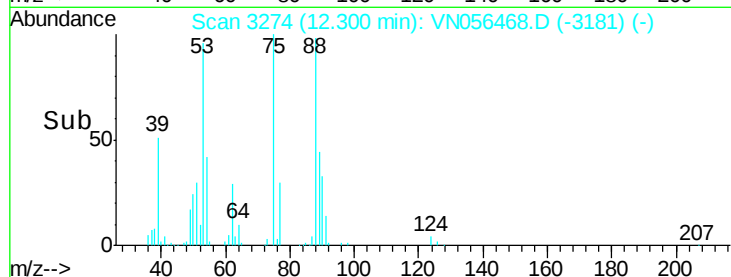
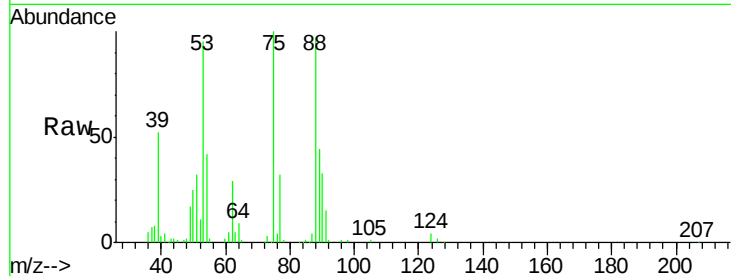
#81
trans-1,4-Dichloro-2-butene
Concen: 52.808 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.8	83.9	125.9
89	44.1	35.0	52.6

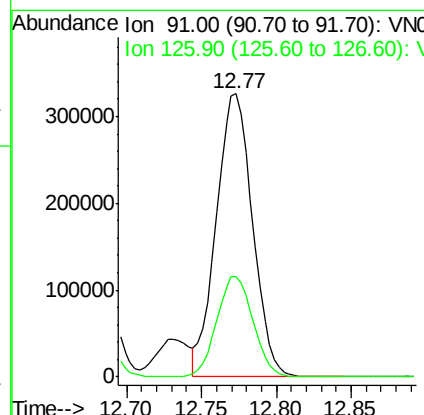
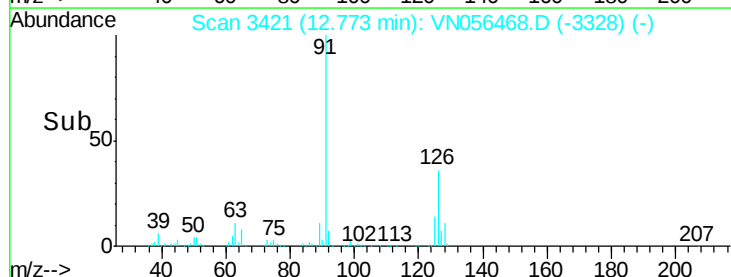
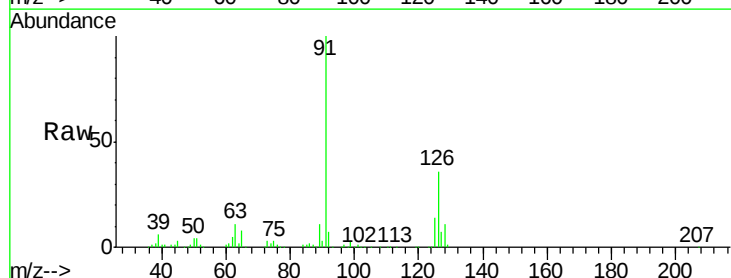
Manual Integrations
APPROVED

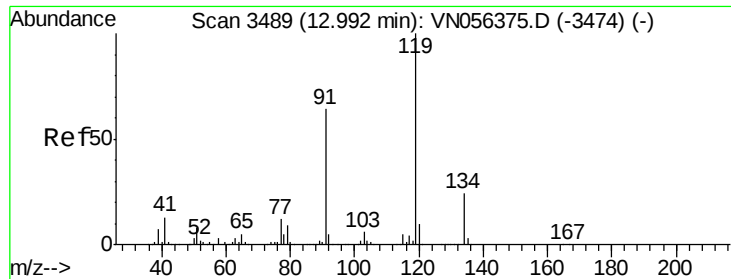
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#82
4-Chlorotoluene
Concen: 45.418 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.3	52.0





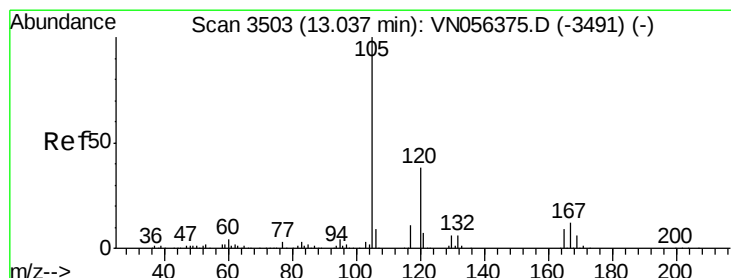
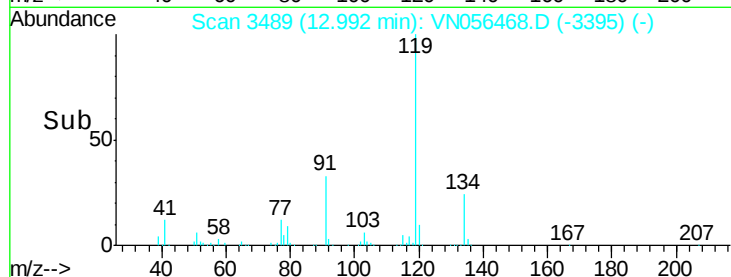
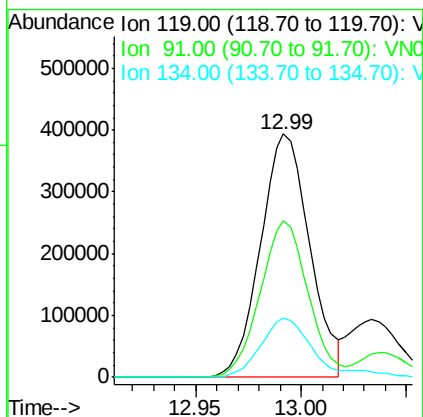
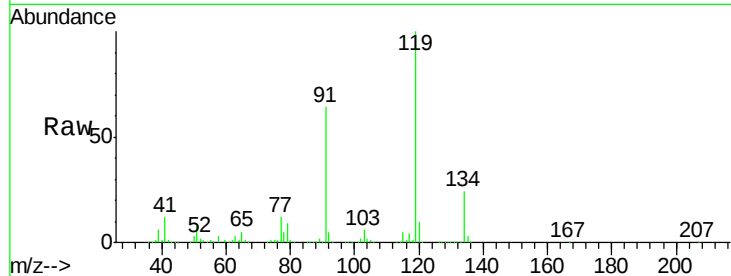
#83
tert-Butylbenzene
Concen: 52.214 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.3	31.6	94.7
134	26.3	13.2	39.5

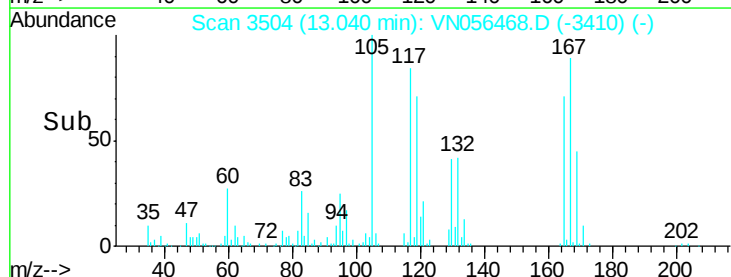
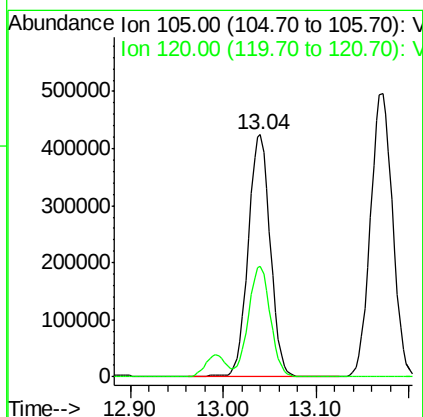
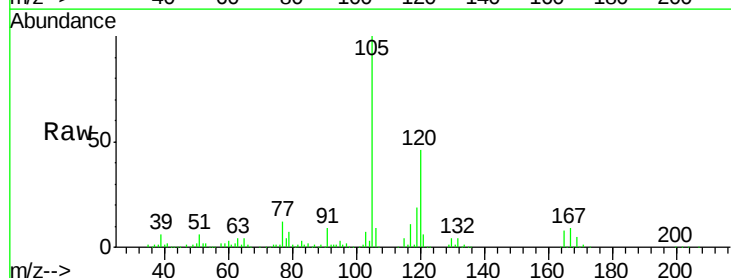
Manual Integrations
APPROVED

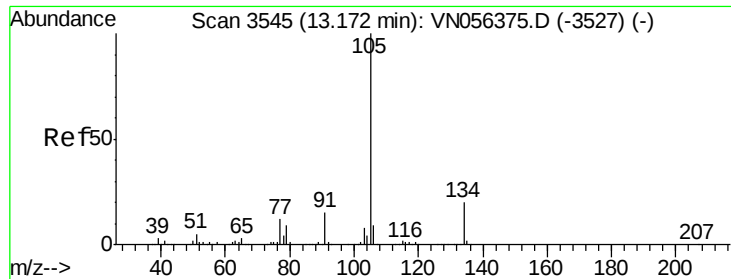
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 46.404 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.9	68.8





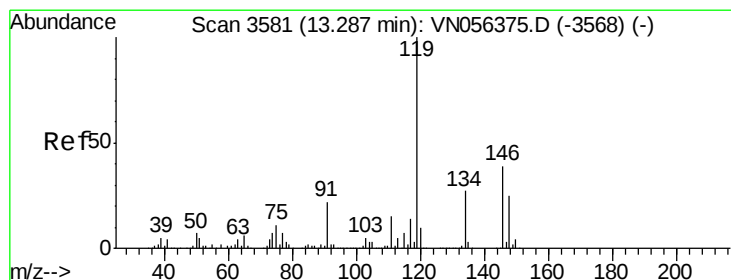
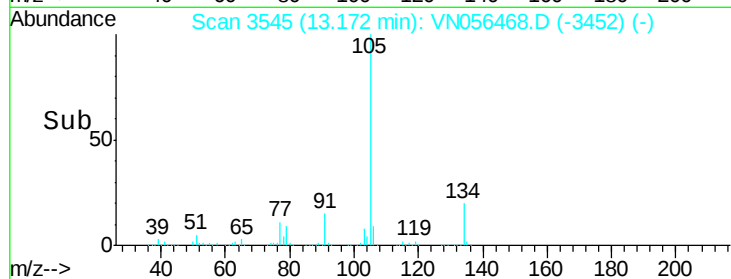
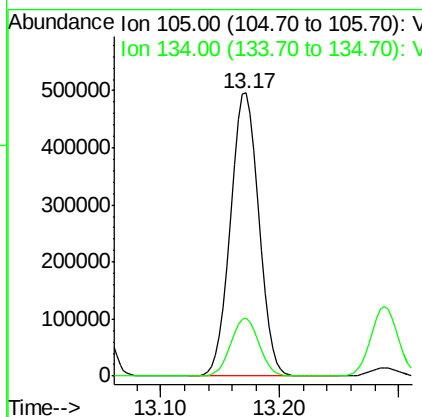
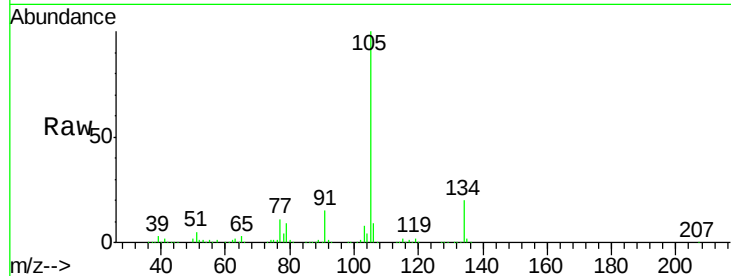
#85
 sec-Butylbenzene
 Concen: 45.554 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056468.D
 Acq: 24 Jun 2019 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.2	30.4

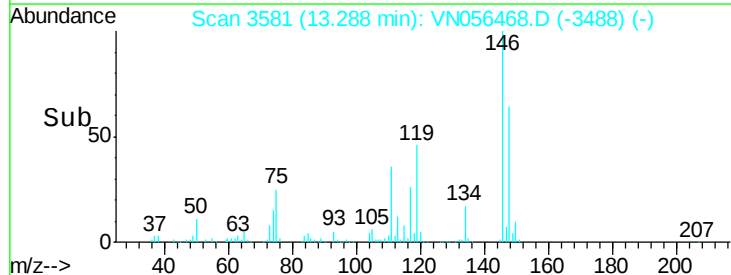
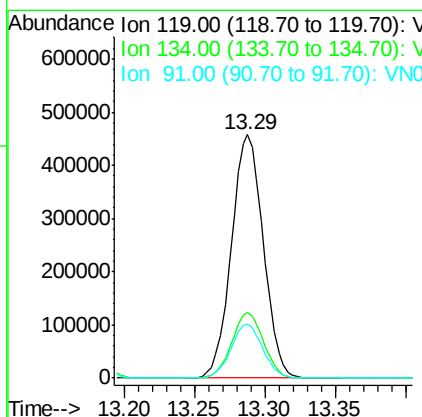
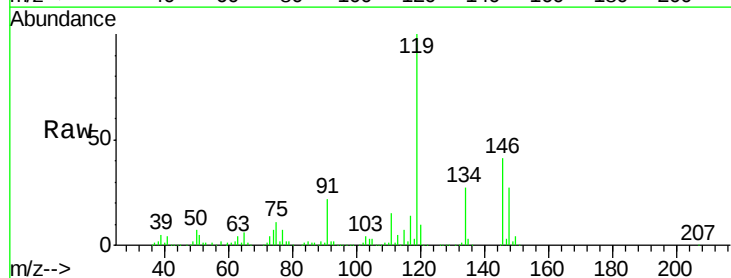
Manual Integrations
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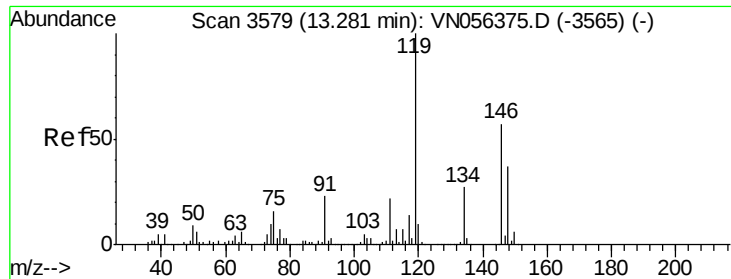
MMDadoda
 6/26/2019 8:14:28 AM



#86
 p-Isopropyltoluene
 Concen: 46.704 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056468.D
 Acq: 24 Jun 2019 20:04

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.5	40.4
91	21.9	11.2	33.5





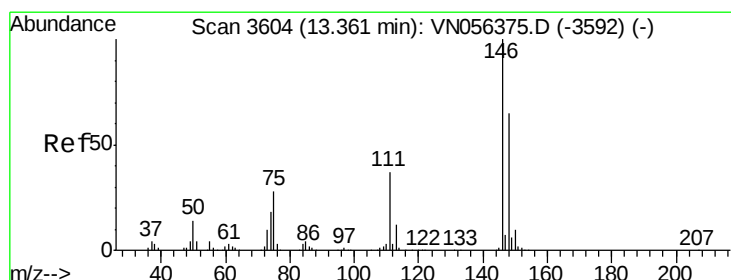
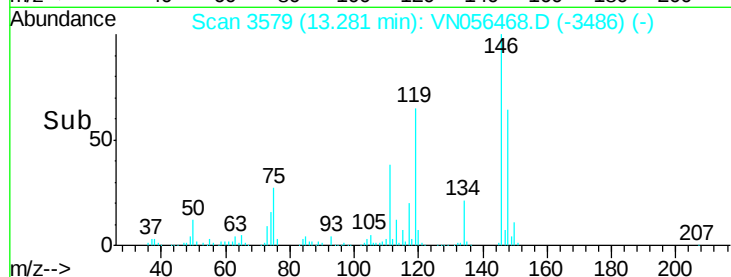
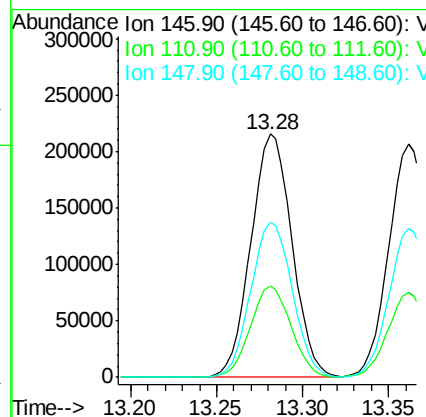
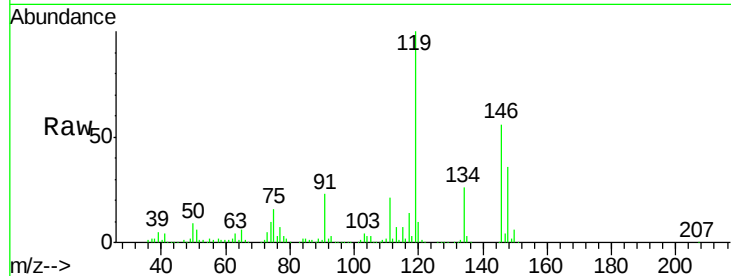
#87
 1,3-Dichlorobenzene
 Concen: 47.189 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056468.D
 Acq: 24 Jun 2019 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.9	56.9
148	64.4	32.1	96.5

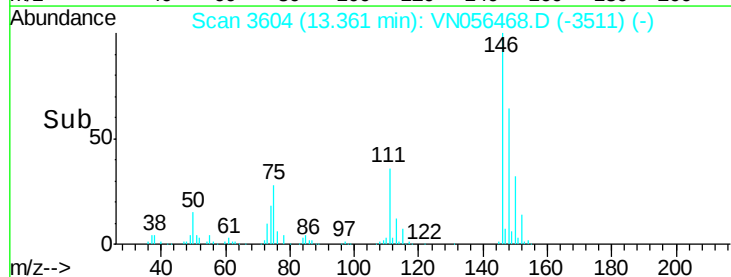
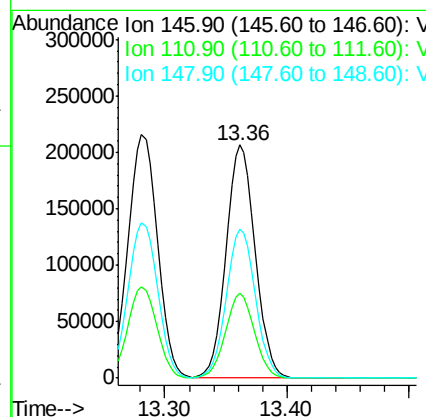
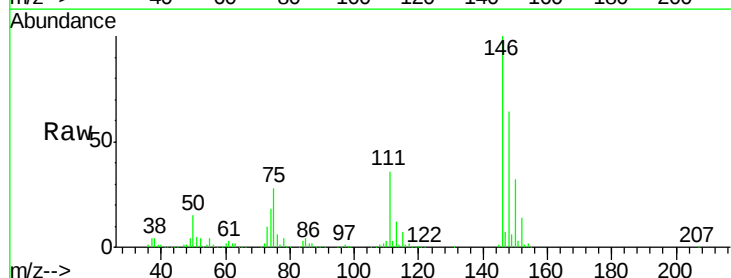
Manual Integrations
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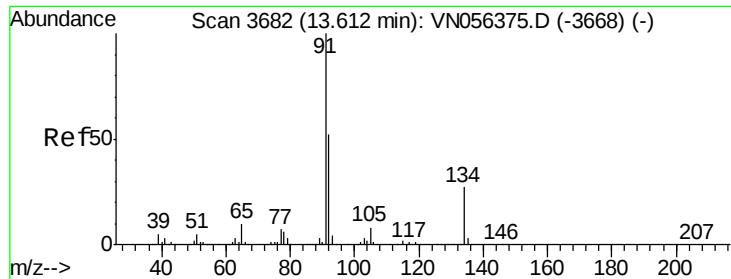
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#88
 1,4-Dichlorobenzene
 Concen: 47.006 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056468.D
 Acq: 24 Jun 2019 20:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.4	55.4
148	64.2	32.4	97.0





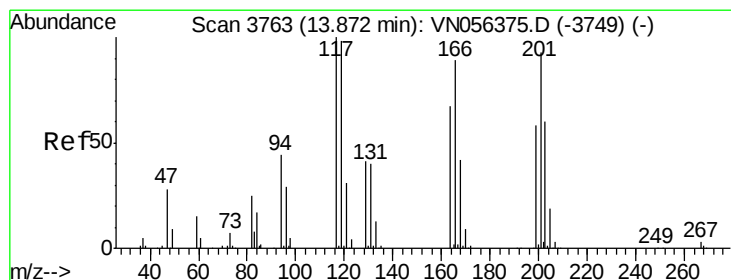
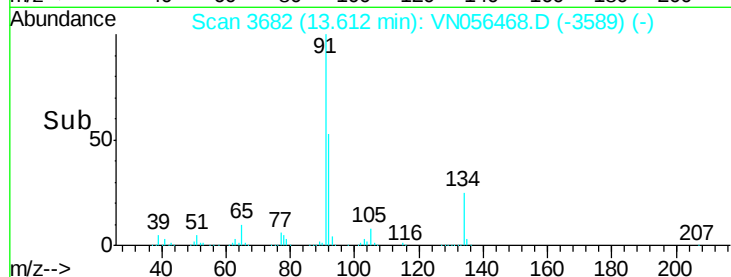
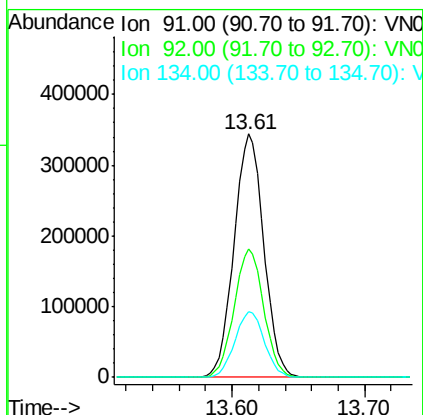
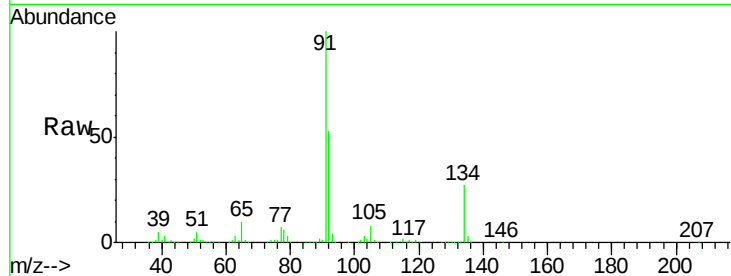
#89
n-Butylbenzene
Concen: 45.788 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.2	78.5
134	26.7	13.4	40.2

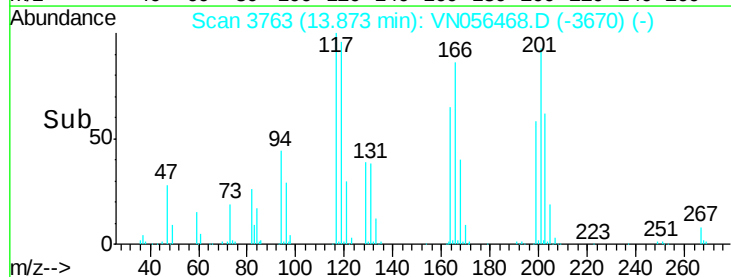
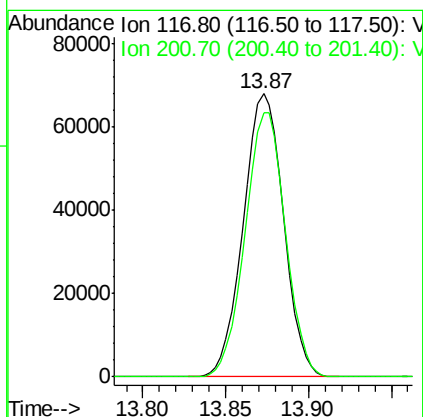
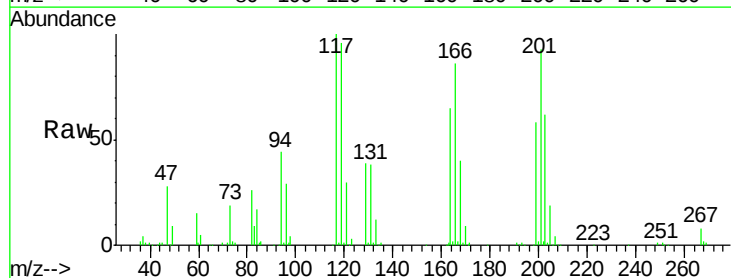
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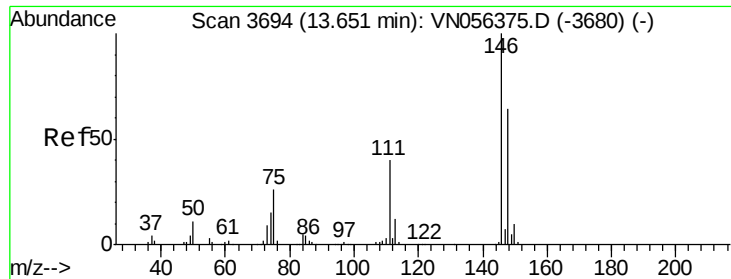
MMDadoda
6/26/2019 8:14:28 AM



#90
Hexachloroethane
Concen: 47.784 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056468.D
Acq: 24 Jun 2019 20:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.1	45.9	137.6





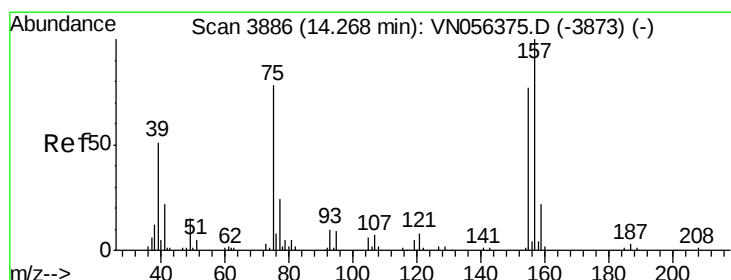
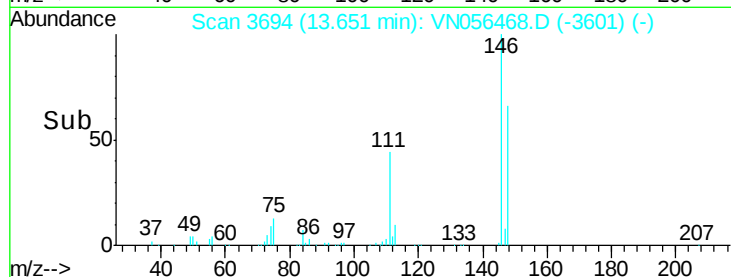
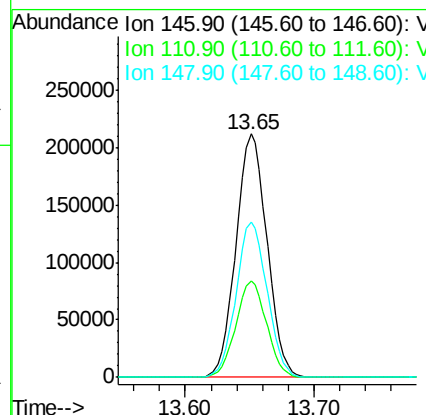
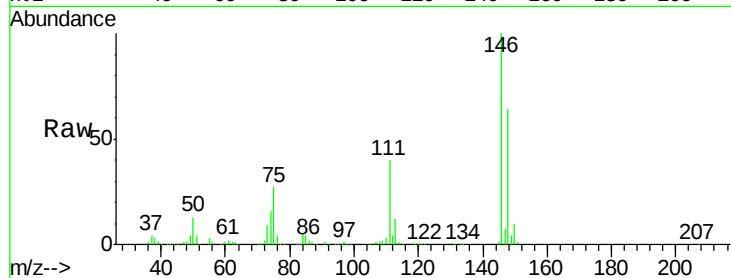
#91
 1,2-Dichlorobenzene
 Concen: 47.072 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056468.D
 Acq: 24 Jun 2019 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.3	57.9
148	63.8	32.0	96.0

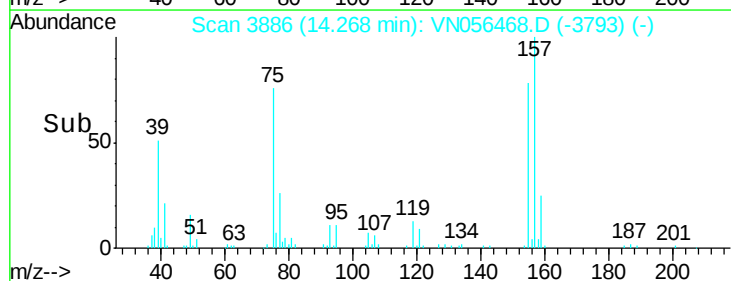
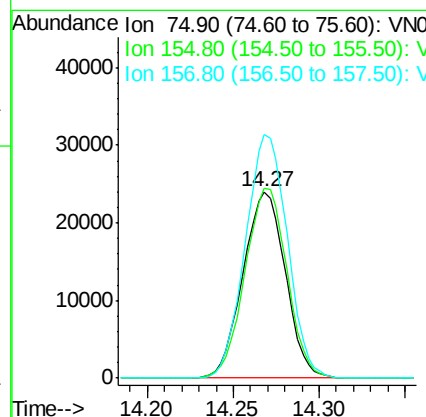
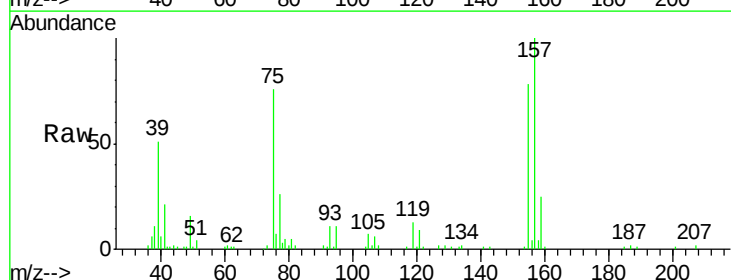
Manual Integrations
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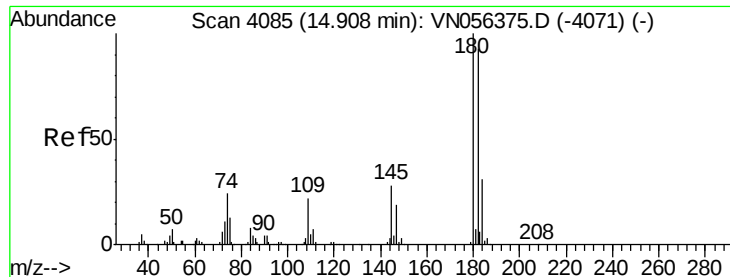
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 6/26/2019 8:14:28 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.576 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056468.D
 Acq: 24 Jun 2019 20:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.8	48.9	146.8
157	129.2	62.9	188.8





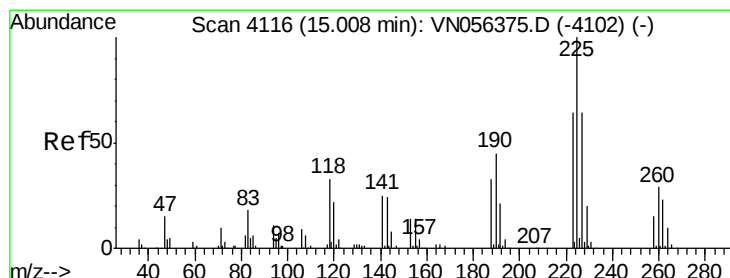
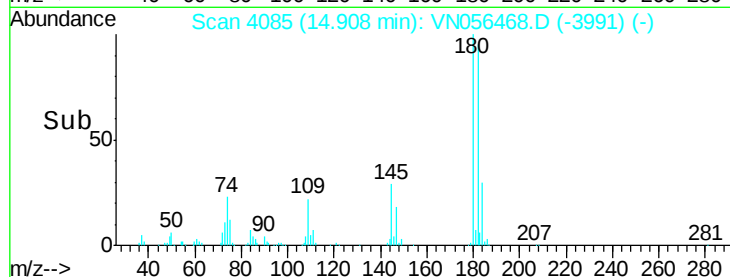
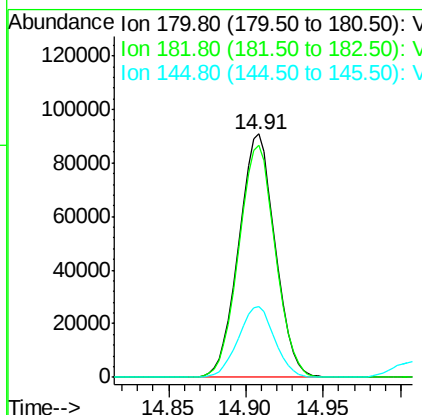
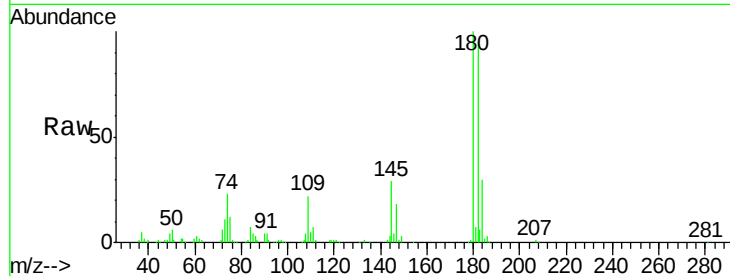
#93
 1,2,4-Trichlorobenzene
 Concen: 39.193 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056468.D
 Acq: 24 Jun 2019 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	148210		
182	96.3	46.9	140.6	
145	29.0	14.4	43.0	

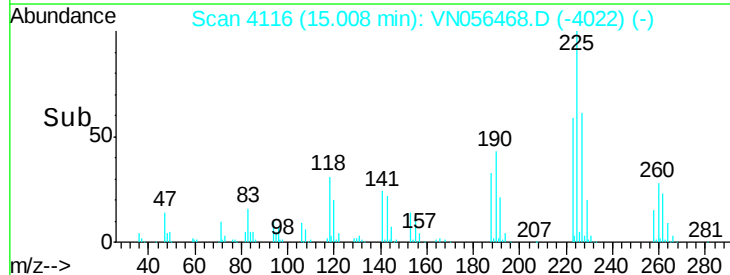
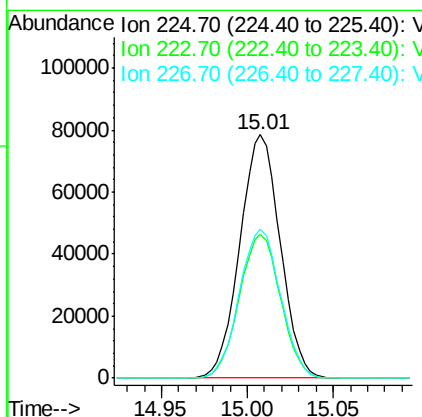
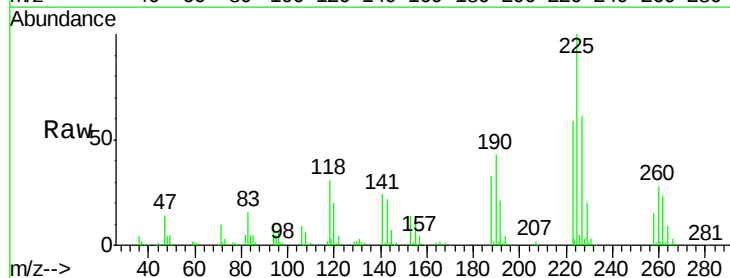
Manual Integrations
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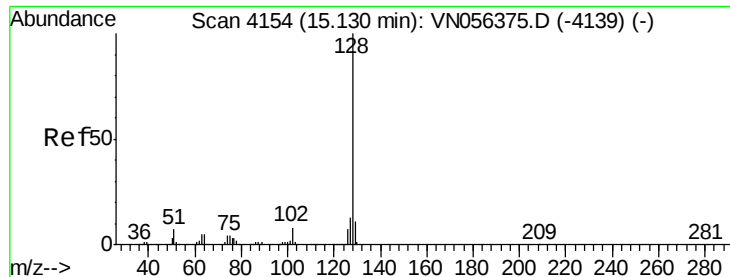
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 6/26/2019 8:14:28 AM



#94
 Hexachlorobutadiene
 Concen: 50.223 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056468.D
 Acq: 24 Jun 2019 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	128038		
223	60.4	31.4	94.3	
227	62.4	32.1	96.3	





#95

Naphthalene

Concen: 41.744 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056468.D

Acq: 24 Jun 2019 20:04

Instrument :

MSVOA_N

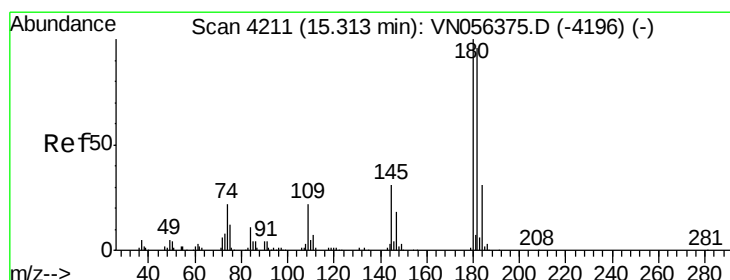
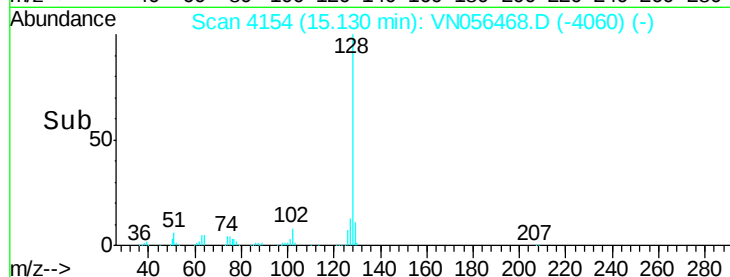
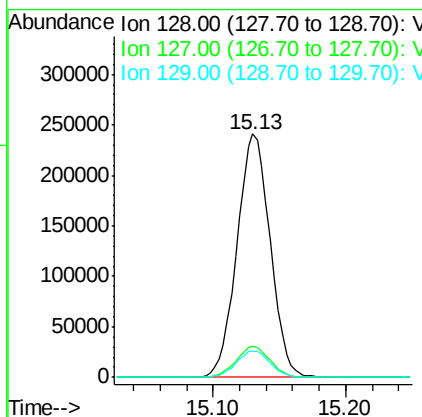
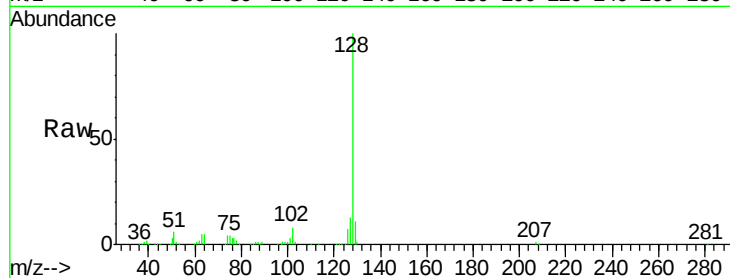
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	417562
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	11.0	8.6	12.8

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 41.627 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056468.D

Acq: 24 Jun 2019 20:04

Tgt Ion:	180	Resp:	165657
Ion Ratio	Lower	Upper	
180	100		
182	97.1	48.3	144.8
145	30.9	15.4	46.1

