

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070119\
 Data File : VN056570.D
 Acq On : 1 Jul 2019 14:24
 Operator : JC/SP
 Sample : VN0701WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/3/2019 9:16:09 AM

Quant Time: Jul 02 01:52:14 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	7.67	168	321886	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	502835	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	440882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	155399	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	186103	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	
35) Dibromofluoromethane	7.59	113	160773	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
50) Toluene-d8	10.09	98	592550	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
62) 4-Bromofluorobenzene	12.40	95	189431	46.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	50583	18.559	ug/l	100
3) Chloromethane	2.06	50	66703	17.974	ug/l	99
4) Vinyl Chloride	2.18	62	66207	18.471	ug/l	100
5) Bromomethane	2.53	94	43110m	20.515	ug/l	
6) Chloroethane	2.68	64	39111	18.842	ug/l	97
7) Trichlorofluoromethane	3.00	101	89094	19.215	ug/l	100
8) Diethyl Ether	3.41	74	37943	19.336	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	58928	19.929	ug/l	99
10) Methyl Iodide	3.95	142	72608	18.169	ug/l	98
11) Tert butyl alcohol	4.80	59	61651	102.605	ug/l	98
12) 1,1-Dichloroethene	3.73	96	52488	18.459	ug/l	98
13) Acrolein	3.61	56	24439	48.259	ug/l	98
14) Allyl chloride	4.32	41	93172	19.684	ug/l	99
15) Acrylonitrile	4.99	53	172902	104.016	ug/l	98
16) Acetone	3.82	43	147925	82.762	ug/l	99
17) Carbon Disulfide	4.05	76	100132	15.482	ug/l	100
18) Methyl Acetate	4.33	43	81844	22.909	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	188086	19.990	ug/l	98
20) Methylene Chloride	4.55	84	68569	19.813	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	57158	18.644	ug/l	97
22) Diisopropyl ether	5.95	45	205828	20.705	ug/l	99
23) Vinyl Acetate	5.90	43	817503	104.266	ug/l	100
24) 1,1-Dichloroethane	5.85	63	117182	20.536	ug/l	99
25) 2-Butanone	6.84	43	232895	98.451	ug/l	100
26) 2,2-Dichloropropane	6.83	77	76785	19.347	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	72674	20.262	ug/l	99
28) Bromochloromethane	7.19	49	57850	20.496	ug/l	100
29) Tetrahydrofuran	7.21	42	156832	108.488	ug/l	98
30) Chloroform	7.37	83	116396	20.672	ug/l	100
31) Cyclohexane	7.65	56	98178	17.822	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	91678	20.541	ug/l	98
36) 1,1-Dichloropropene	7.79	75	81188	18.344	ug/l	100
37) Ethyl Acetate	6.93	43	93109	21.407	ug/l	98
38) Carbon Tetrachloride	7.77	117	73927	19.101	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	92279	16.897	ug/l	96
40) Benzene	8.04	78	259105	19.032	ug/l	98
41) Methacrylonitrile	7.18	41	35960m	18.723	ug/l	
42) 1,2-Dichloroethane	8.12	62	90019	20.036	ug/l	100
43) Isopropyl Acetate	8.17	43	135916	20.266	ug/l #	93
44) Trichloroethene	8.84	130	67975	18.536	ug/l	100
45) 1,2-Dichloropropane	9.12	63	72682	19.963	ug/l	98
46) Dibromomethane	9.21	93	47311	20.770	ug/l	98
47) Bromodichloromethane	9.40	83	83295	20.618	ug/l	99
48) Methyl methacrylate	9.20	41	66109	19.670	ug/l	96
49) 1,4-Dioxane	9.20	88	26984	386.890	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	445109	102.825	ug/l	100
52) Toluene	10.16	92	159007	19.104	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	80520	19.014	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	96571	19.850	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	69644	20.817	ug/l	99
56) Ethyl methacrylate	10.43	69	97694	19.981	ug/l	99
57) 1,3-Dichloropropane	10.71	76	113916	20.268	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	130091	74.063	ug/l	99
59) 2-Hexanone	10.75	43	316313	99.422	ug/l	98
60) Dibromochloromethane	10.90	129	62364	19.653	ug/l	99
61) 1,2-Dibromoethane	11.00	107	69093	20.220	ug/l	99
64) Tetrachloroethene	10.63	164	67762	19.408	ug/l	99
65) Chlorobenzene	11.43	112	172483	19.470	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	62658	20.927	ug/l	97
67) Ethyl Benzene	11.51	91	295054	18.968	ug/l	100
68) m/p-Xylenes	11.62	106	215208	37.752	ug/l	100
69) o-Xylene	11.95	106	107009	18.974	ug/l	99
70) Styrene	11.96	104	171789	19.057	ug/l	99
71) Bromoform	12.13	173	41005	19.052	ug/l #	99
73) Isopropylbenzene	12.25	105	285863	23.042	ug/l	99
74) N-amyl acetate	12.07	43	107172	21.670	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	94233	24.511	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	81582m	25.319	ug/l	
77) Bromobenzene	12.53	156	72491	20.862	ug/l	98
78) n-propylbenzene	12.59	91	288685	20.286	ug/l	98
79) 2-Chlorotoluene	12.67	91	186565	22.518	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	223896	21.611	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	19890	21.939	ug/l	95
82) 4-Chlorotoluene	12.77	91	164545	19.583	ug/l	100
83) tert-Butylbenzene	12.99	119	208990	23.035	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	204484	19.547	ug/l	99
85) sec-Butylbenzene	13.17	105	253804	20.291	ug/l	100
86) p-Isopropyltoluene	13.29	119	202967	18.908	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	102238	19.415	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	93322	18.299	ug/l	98
89) n-Butylbenzene	13.61	91	134516	16.553	ug/l	99
90) Hexachloroethane	13.87	117	36867	22.029	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	101425	19.414	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11940	20.765	ug/l	97

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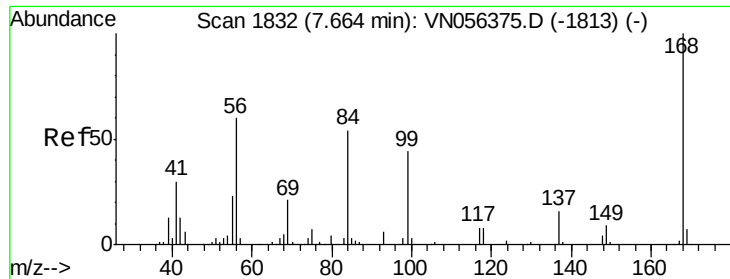
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	27397	14.553	ug/l	92
94) Hexachlorobutadiene	15.01	225	37568	20.096	ug/l	97
95) Naphthalene	15.13	128	81861	15.550	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	33788	15.393	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD01

Tot Ion:168 Resp: 321886

Ion Ratio Lower Upper

168 100

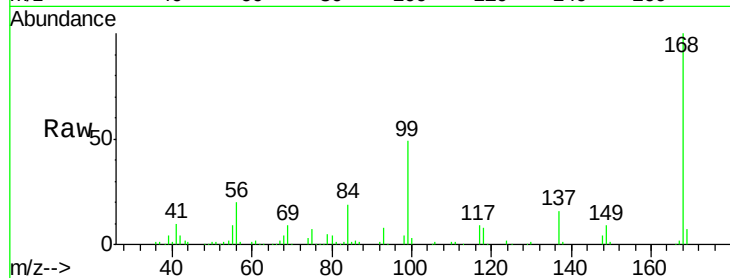
99 48.3 40.6 61.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

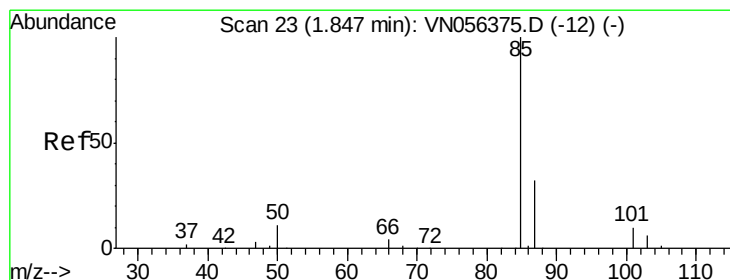
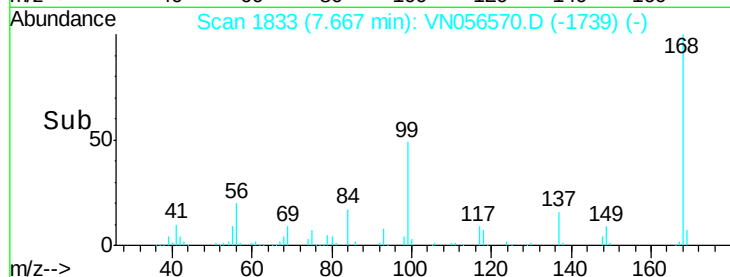
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.559 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056570.D

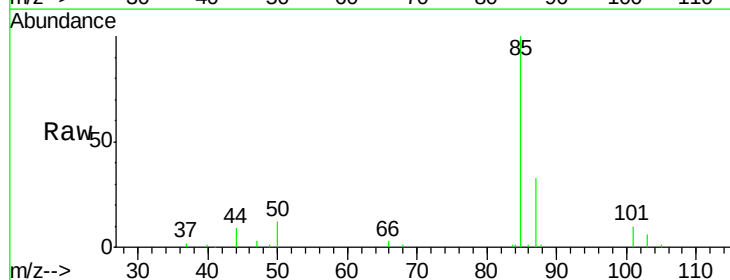
Acq: 1 Jul 2019 14:24

Tgt Ion: 85 Resp: 50583

Ion Ratio Lower Upper

85 100

87 32.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

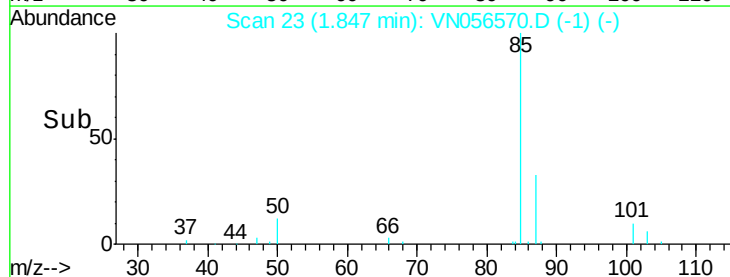
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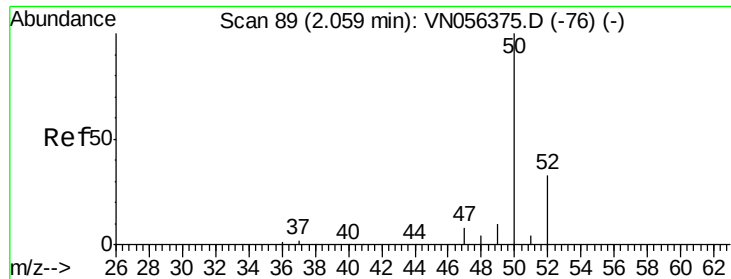
20000

10000

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Time-->





#3

Chloromethane

Concen: 17.974 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampled :

VN0701WBSD01

Tot Ion: 50 Resp: 66703

Ion Ratio Lower Upper

50 100

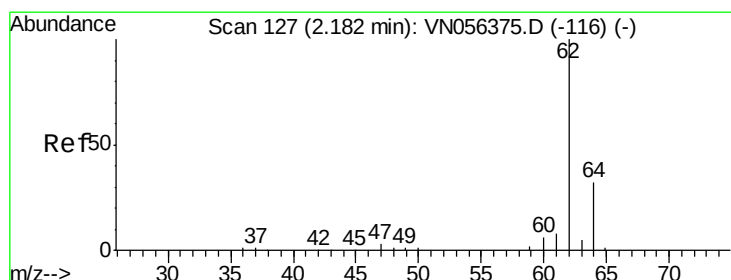
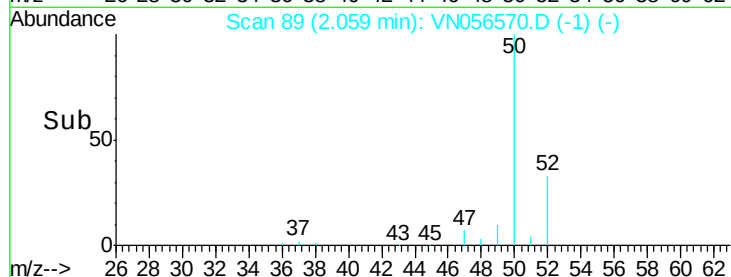
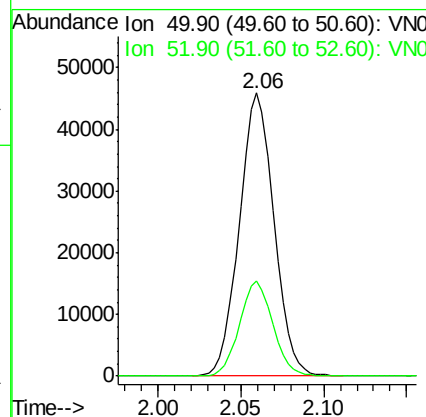
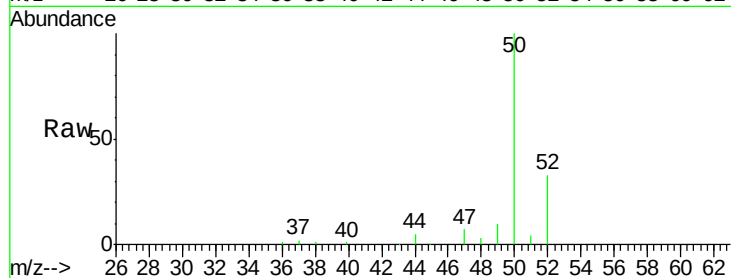
52 33.5 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.471 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056570.D

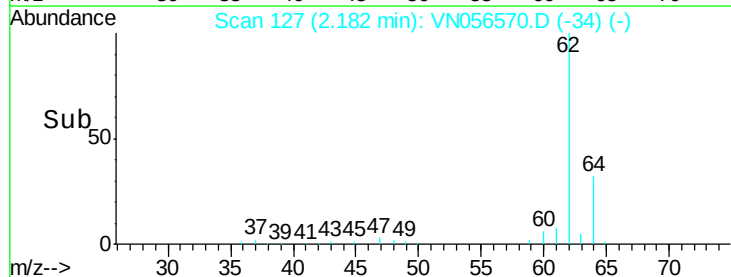
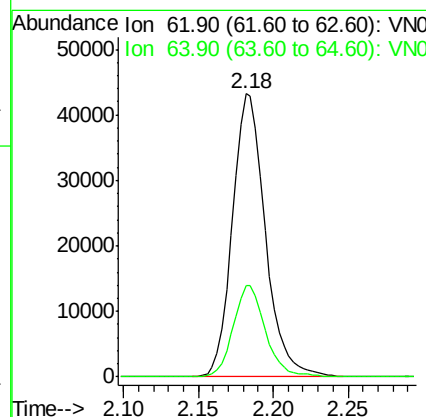
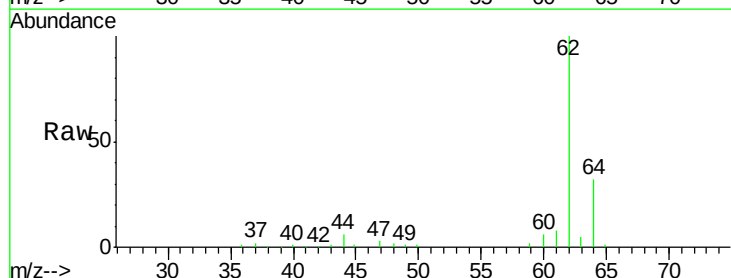
Acq: 1 Jul 2019 14:24

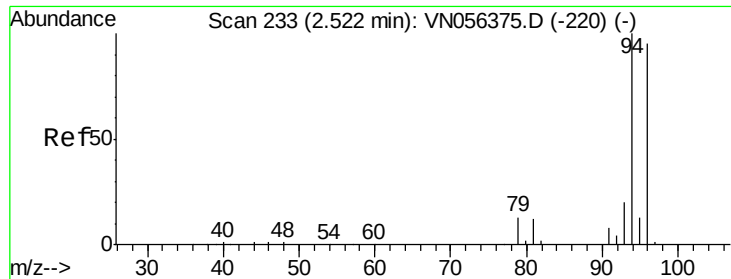
Tgt Ion: 62 Resp: 66207

Ion Ratio Lower Upper

62 100

64 32.2 25.7 38.5





#5

Bromomethane

Concen: 20.515 ug/l m

RT: 2.53 min Scan# 235

Delta R.T. 0.01 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD01

Tot Ion: 94 Resp: 43110

Ion Ratio Lower Upper

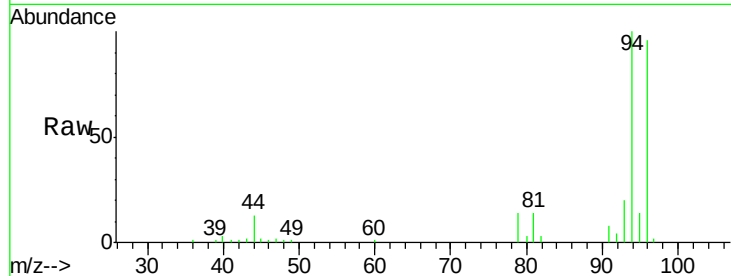
94 100

96 95.9 76.0 114.0

Manual Integrations
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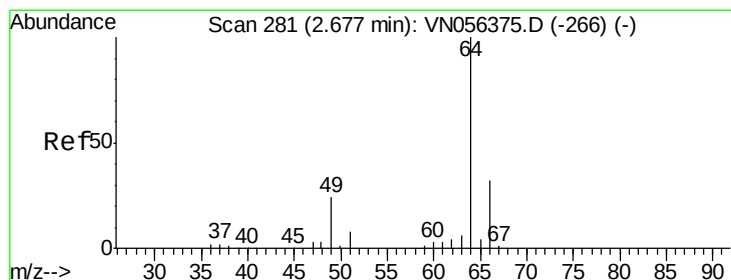
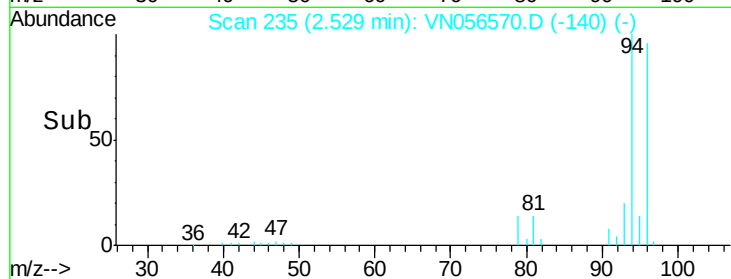
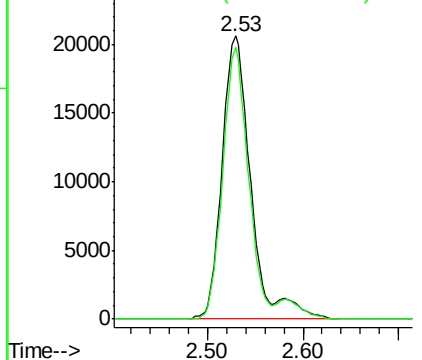
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.842 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN056570.D

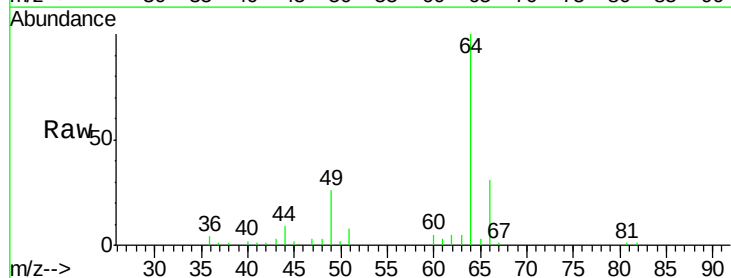
Acq: 1 Jul 2019 14:24

Tgt Ion: 64 Resp: 39111

Ion Ratio Lower Upper

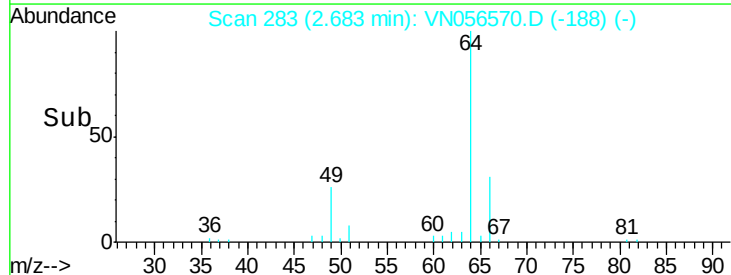
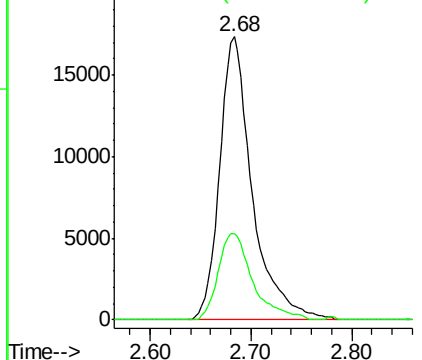
64 100

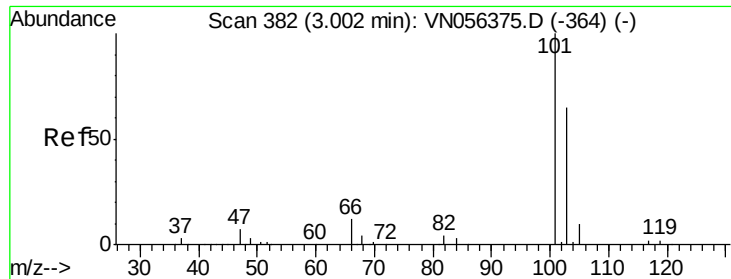
66 30.6 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

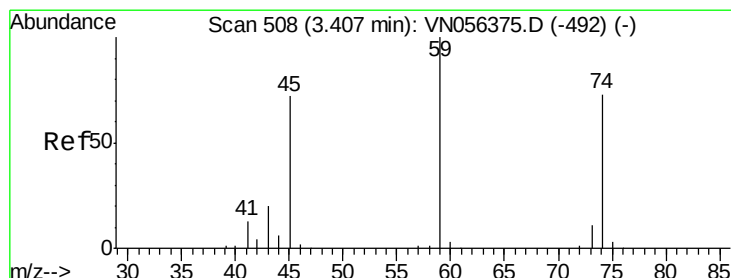
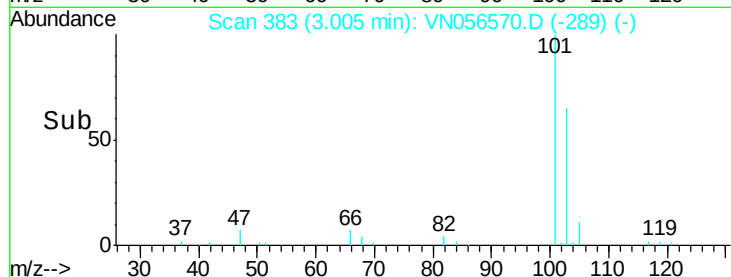
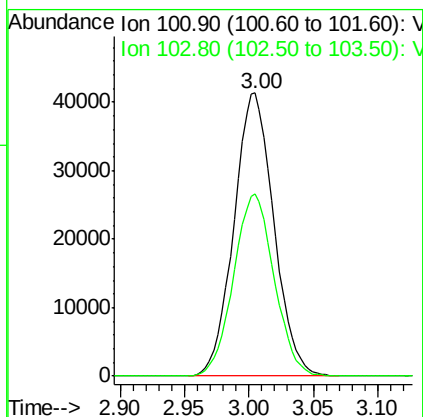
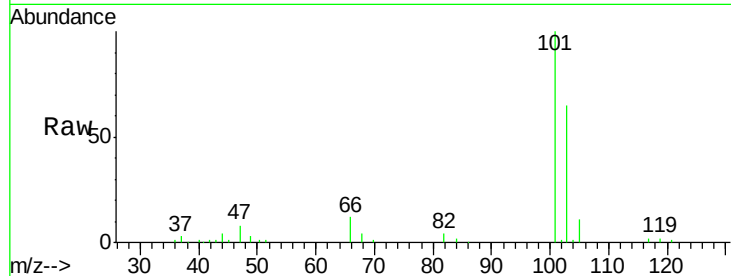
Trichlorofluoromethane
Concen: 19.215 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Instrument :
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ClientSampleId :
VN0701WBSD01

Tot Ion:101 Resp: 89094
Ion Ratio Lower Upper
101 100
103 64.5 51.7 77.5

Manual Integrations
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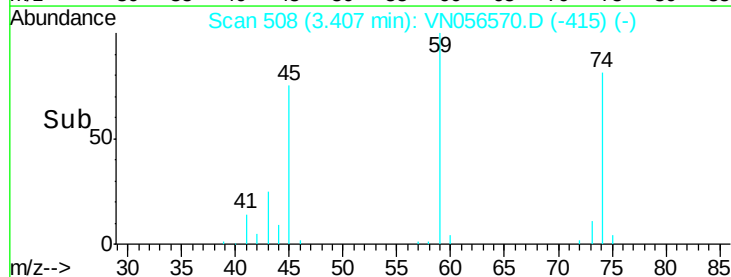
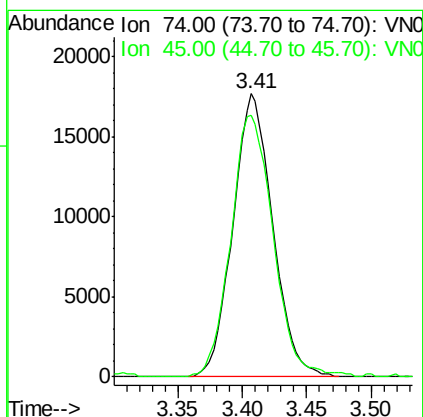
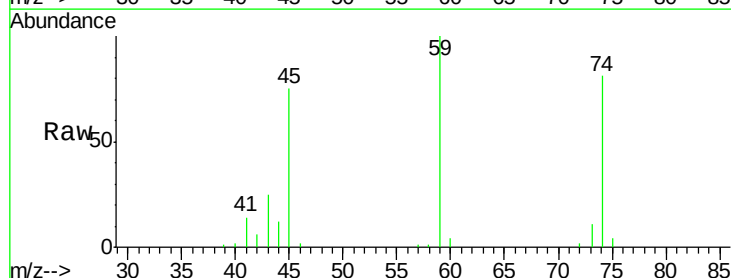
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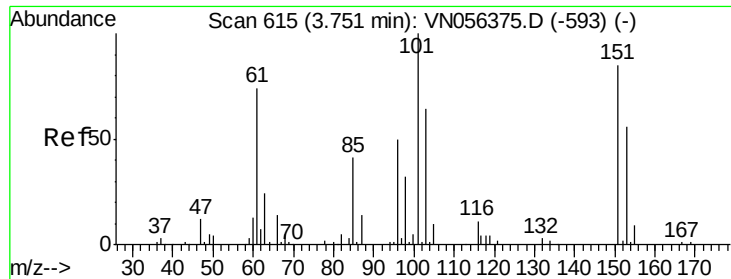


#8

Diethyl Ether
Concen: 19.336 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Tgt Ion: 74 Resp: 37943
Ion Ratio Lower Upper
74 100
45 98.6 48.9 146.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.929 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

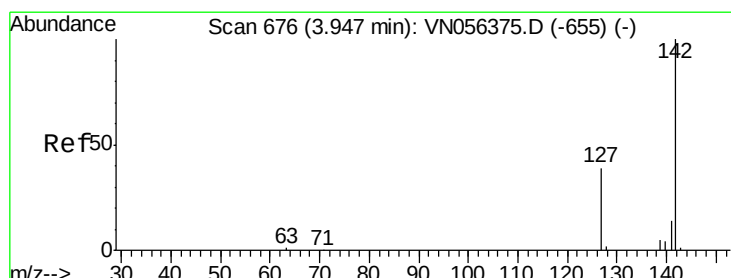
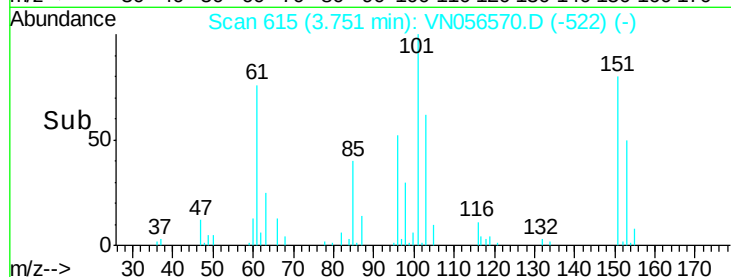
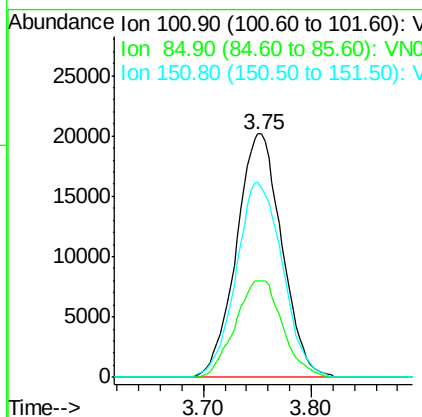
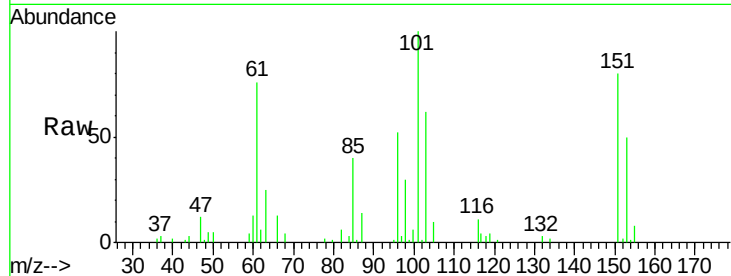
ClientSampled :

VN0701WBSD01

Tot Ion:	101	Resp:	58928
Ion Ratio	Lower	Upper	
101	100		
85	41.1	32.7	49.1
151	81.9	66.8	100.2

Manual Integrations
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#10

Methyl Iodide

Concen: 18.169 ug/l

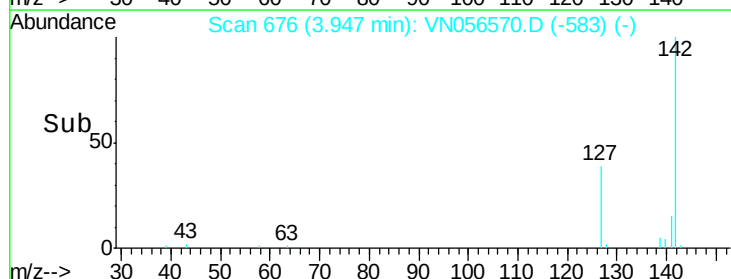
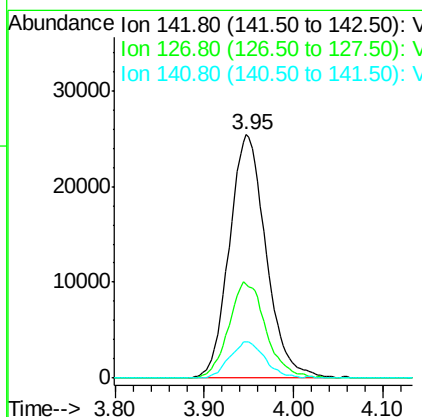
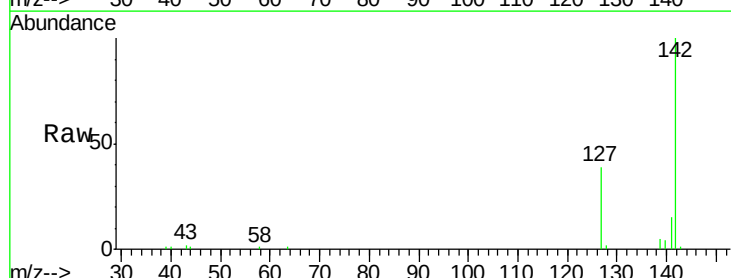
RT: 3.95 min Scan# 676

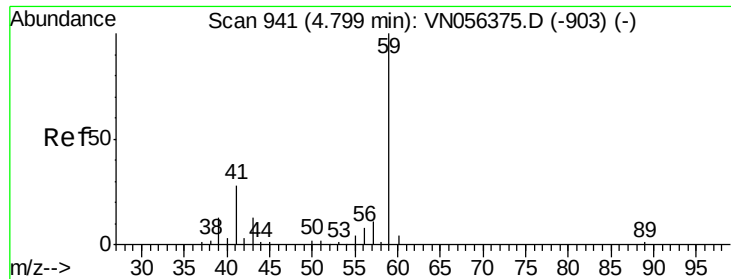
Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Tgt Ion:	142	Resp:	72608
Ion Ratio	Lower	Upper	
142	100		
127	39.7	30.6	46.0
141	14.4	11.4	17.2





#11

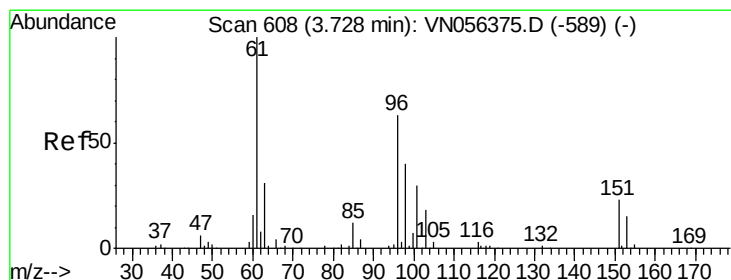
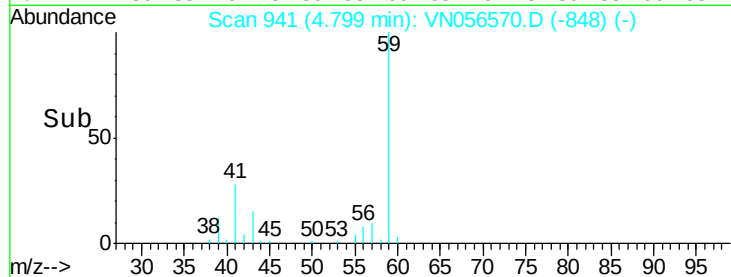
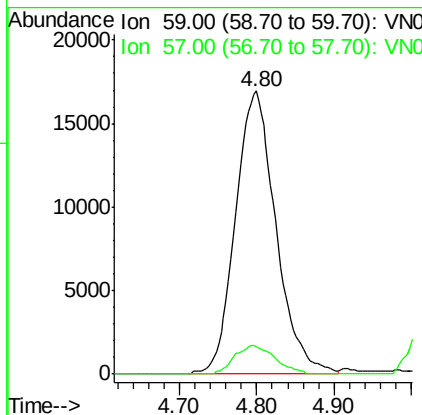
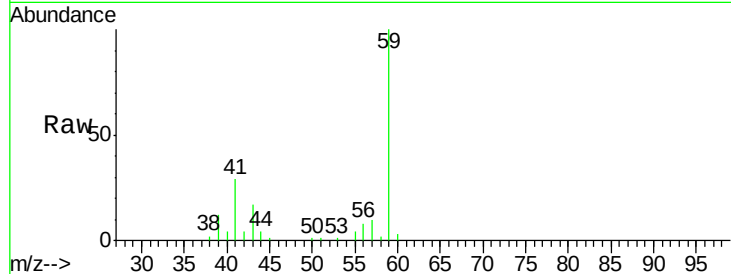
Tert butyl alcohol
 Concen: 102.605 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.6	11.4

Manual Integrations
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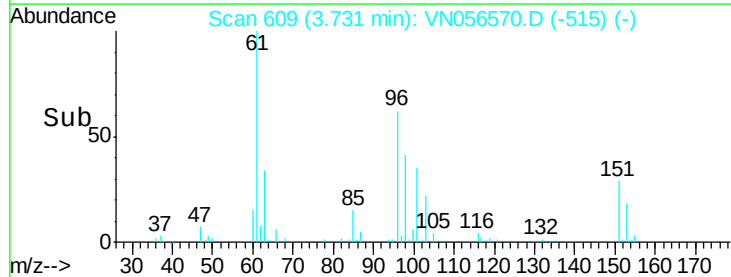
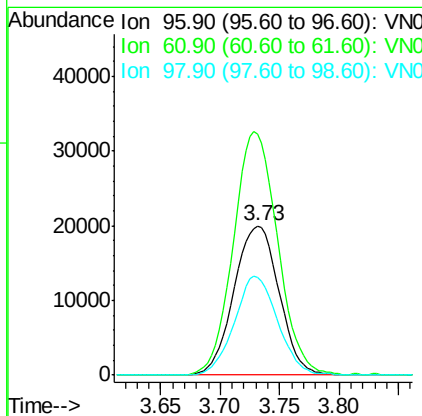
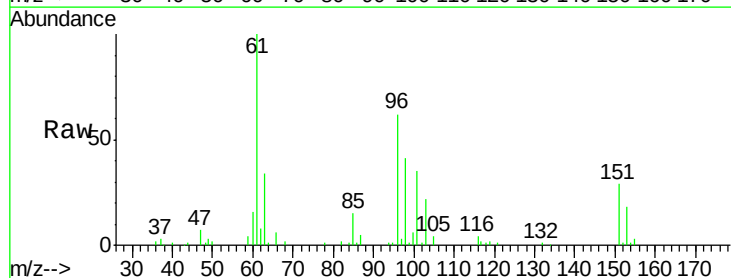
MMDadoda
 7/3/2019 9:16:09 AM

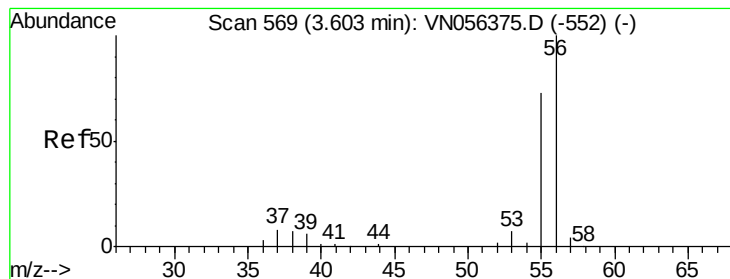


#12

1,1-Dichloroethene
 Concen: 18.459 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.5	126.6	190.0
98	65.7	51.1	76.7





#13

Acrolein

Concen: 48.259 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD01

Tot Ion: 56 Resp: 24439

Ion Ratio Lower Upper

56 100

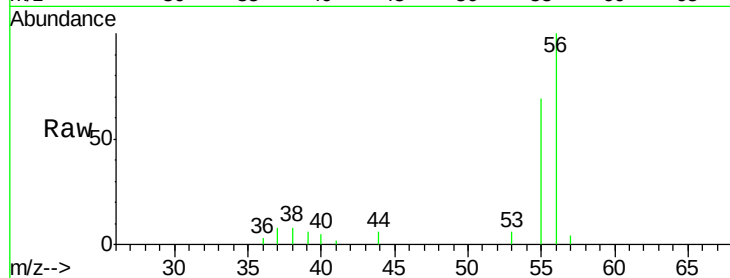
55 70.1 57.1 85.7

Manual Integrations

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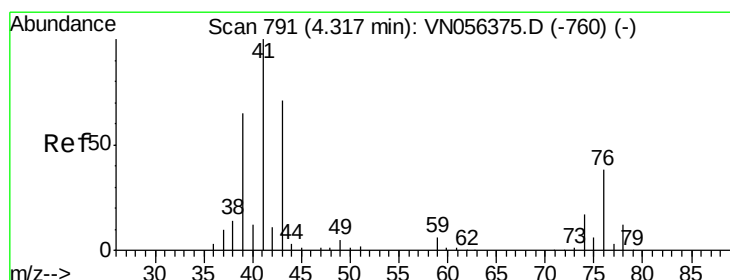
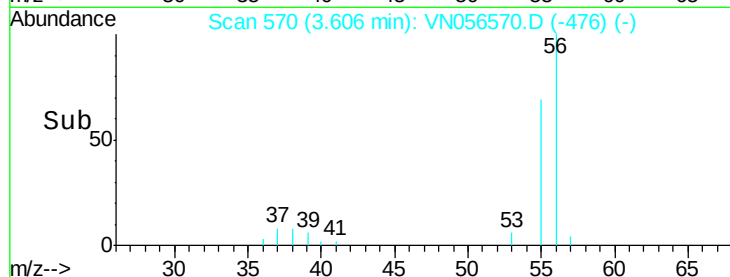
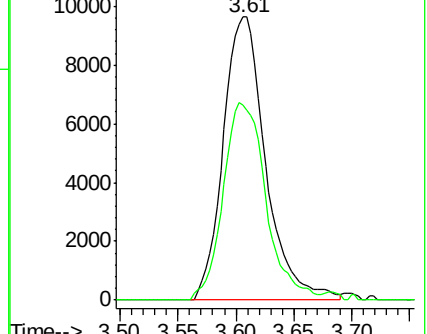
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.684 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

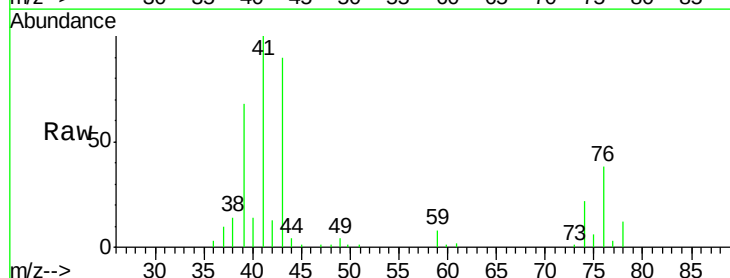
Tgt Ion: 41 Resp: 93172

Ion Ratio Lower Upper

41 100

39 60.6 48.6 73.0

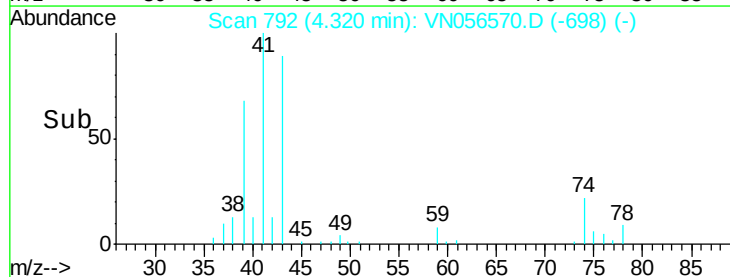
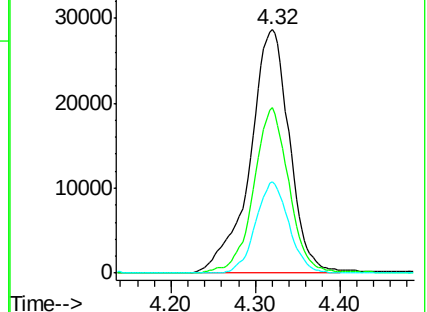
76 31.6 26.6 40.0

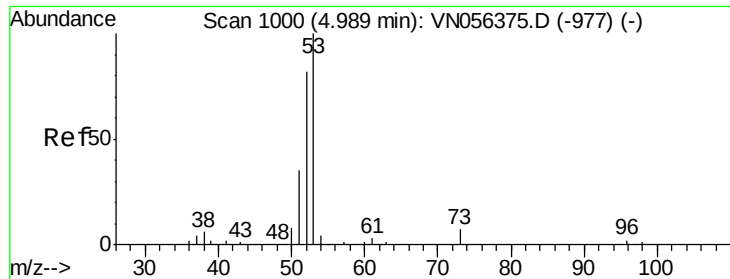


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





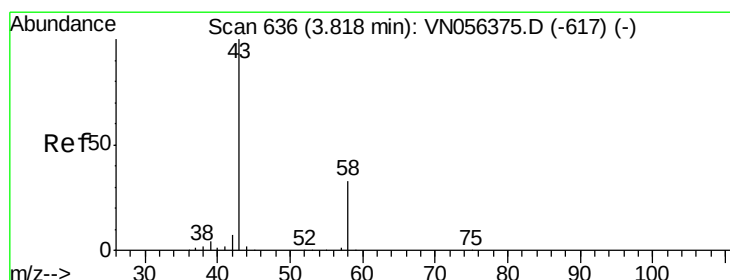
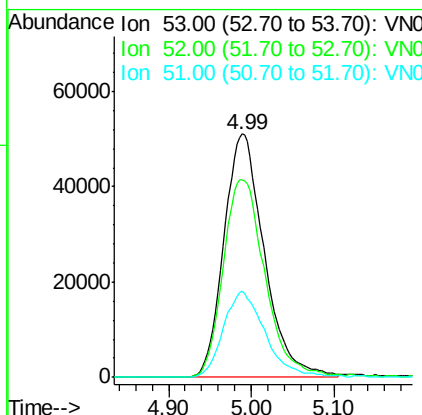
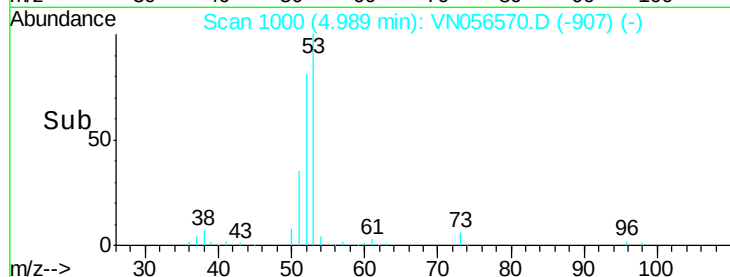
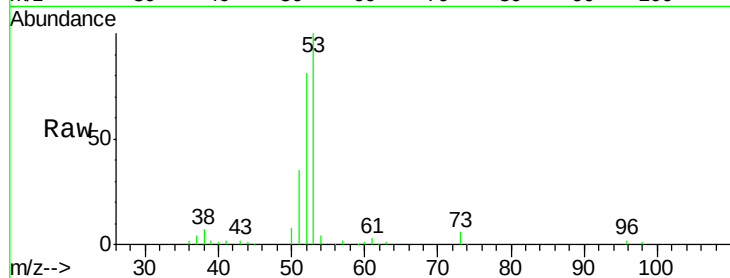
#15
 Acrylonitrile
 Concen: 104.016 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	84.1	65.9	98.9
51	36.4	28.3	42.5

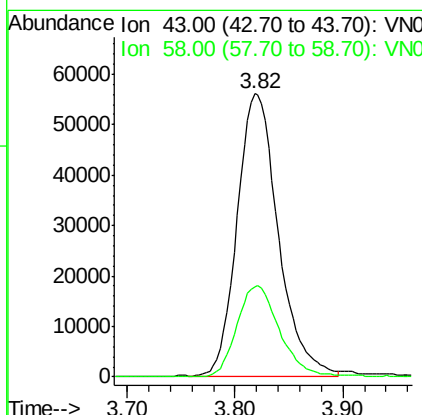
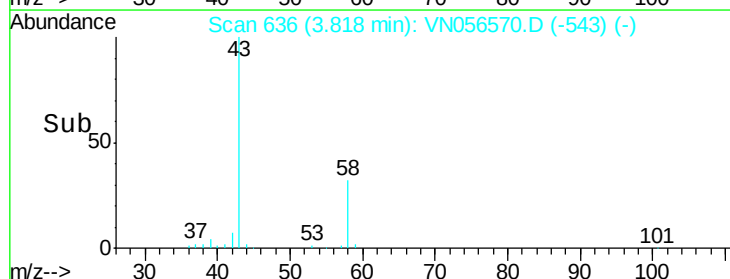
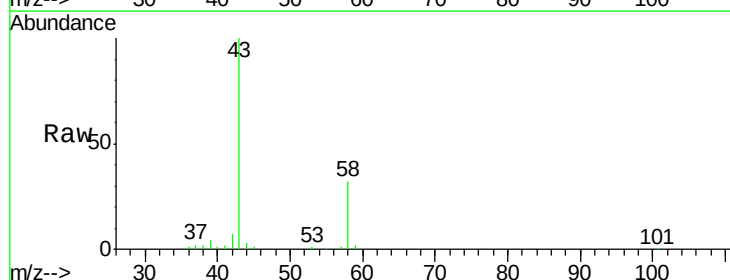
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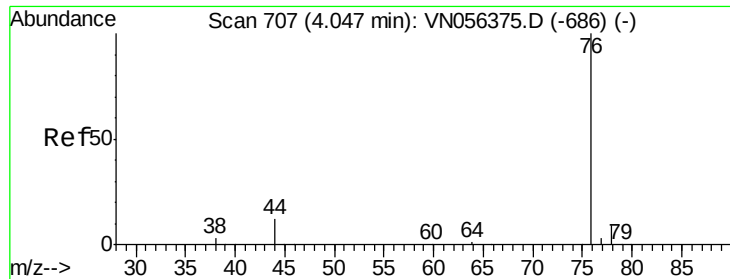
MMDadoda
 7/3/2019 9:16:09 AM



#16
 Acetone
 Concen: 82.762 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.2	26.4	39.6





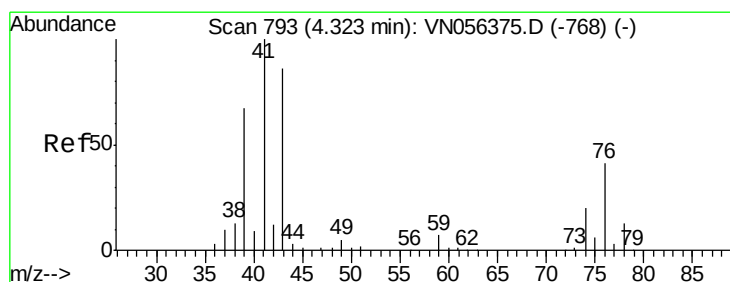
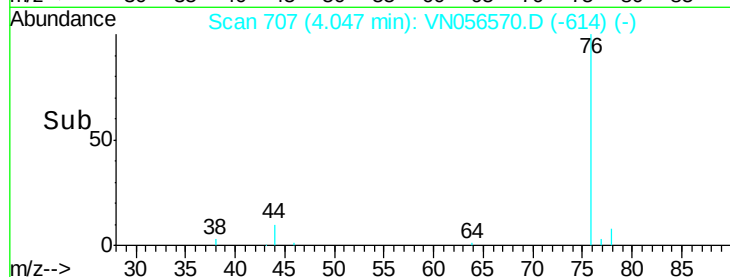
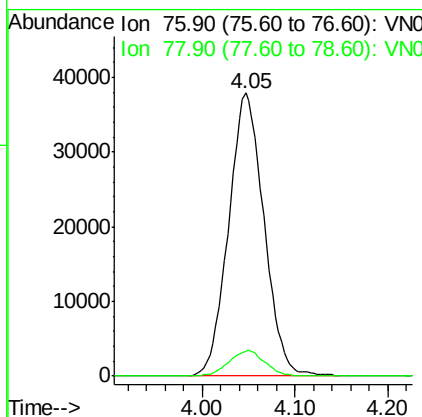
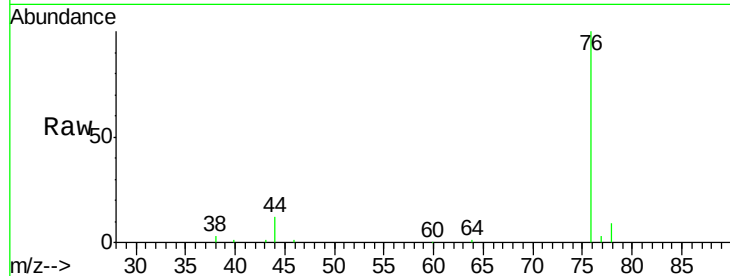
#17
Carbon Disulfide
Concen: 15.482 ug/l
RT: 4.05 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBSD01

Tot Ion: 76 Resp: 100132
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7

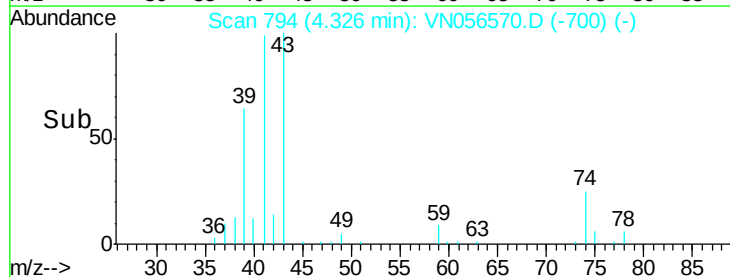
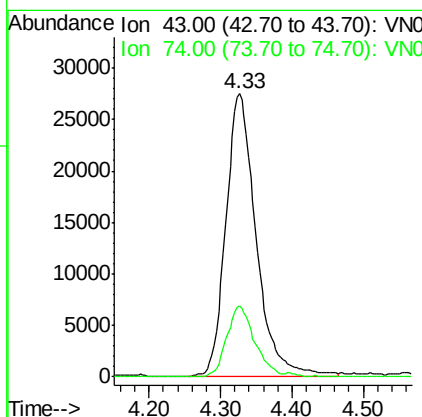
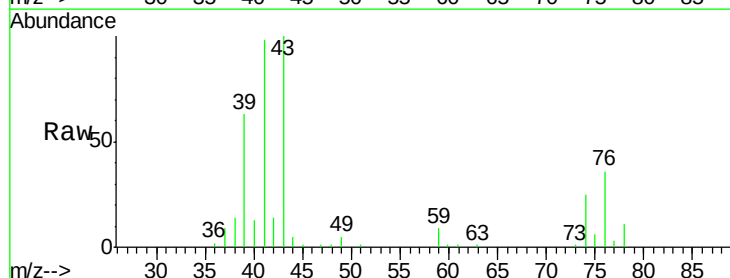
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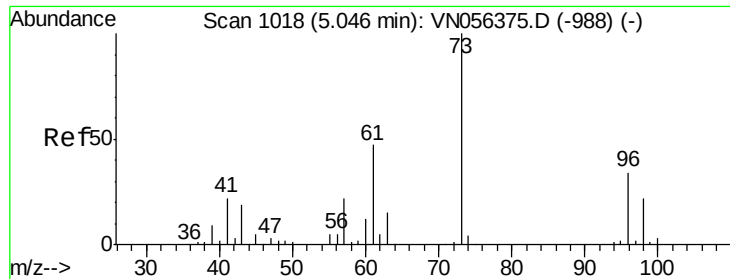
MMDadoda
7/3/2019 9:16:09 AM



#18
Methyl Acetate
Concen: 22.909 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Tgt Ion: 43 Resp: 81844
Ion Ratio Lower Upper
43 100
74 22.9 19.2 28.8





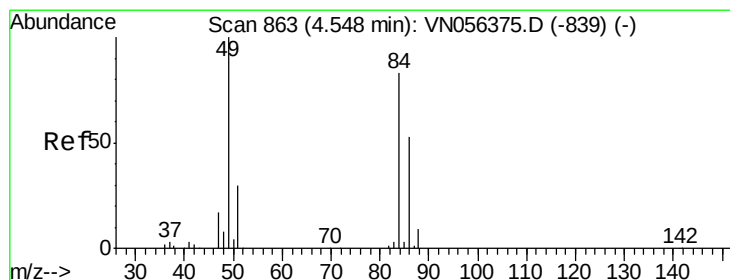
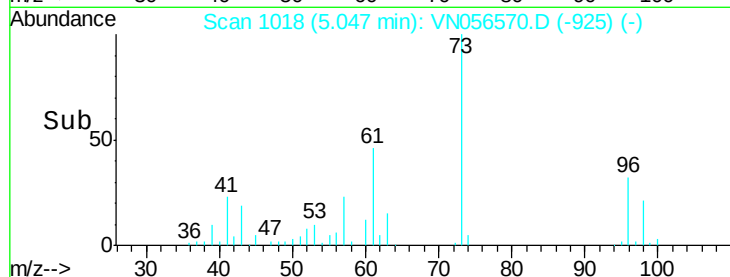
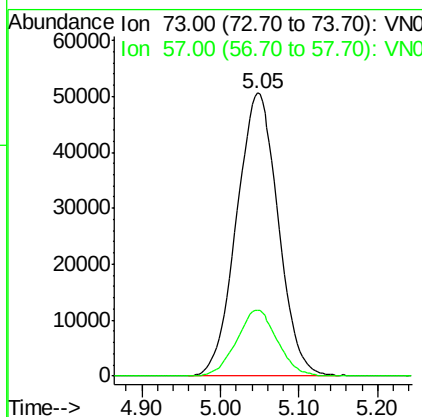
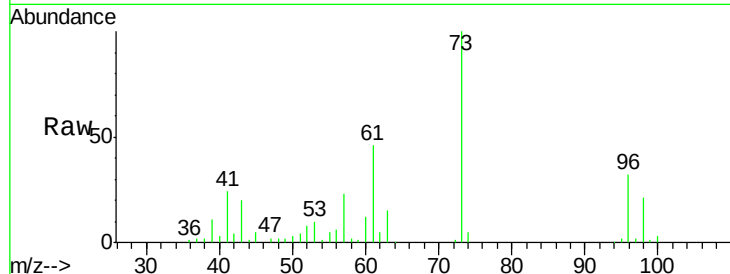
#19
Methvl tert-butvl Ether
Concen: 19.990 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBSD01

Tot Ion: 73 Resp: 188086
Ion Ratio Lower Upper
73 100
57 23.4 17.9 26.9

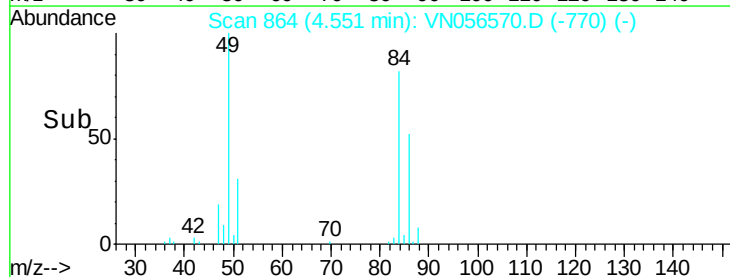
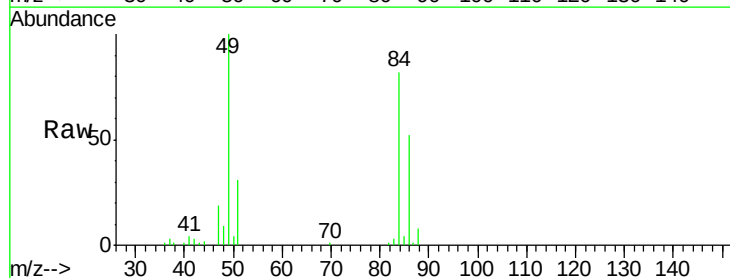
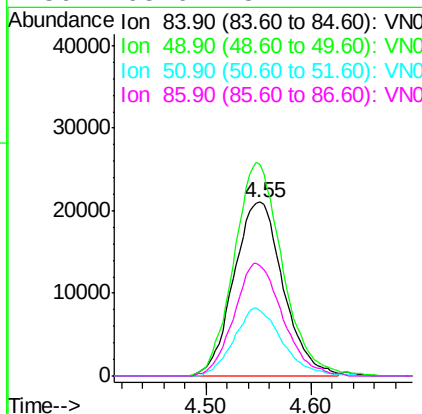
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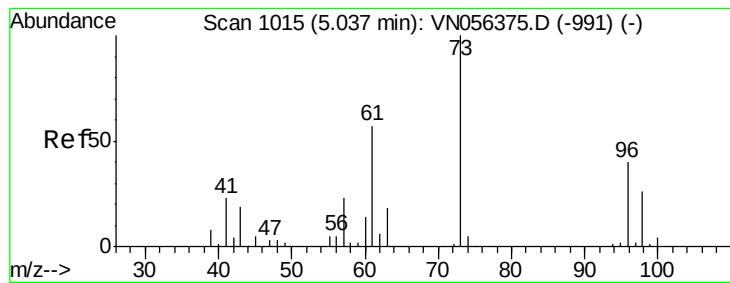
MMDadoda
7/3/2019 9:16:09 AM



#20
Methylene Chloride
Concen: 19.813 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Tgt Ion: 84 Resp: 68569
Ion Ratio Lower Upper
84 100
49 121.6 96.4 144.6
51 37.7 28.6 43.0
86 63.6 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 18.644 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD01

Tot Ion: 96 Resp: 57158

Ion Ratio Lower Upper

96 100

61 138.8 113.0 169.6

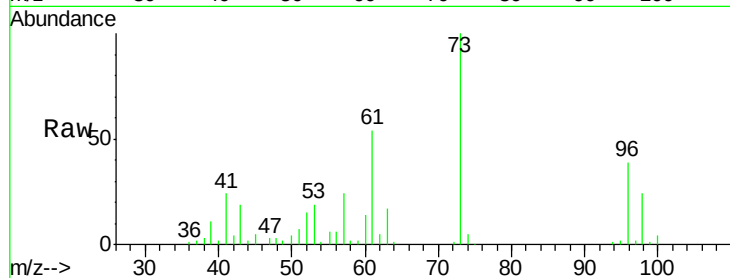
98 61.7 52.2 78.2

Manual Integrations

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MMDadoda

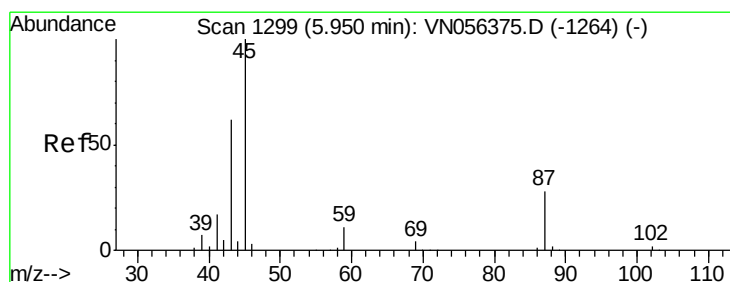
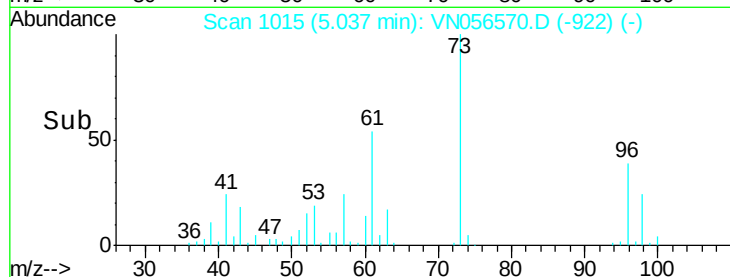
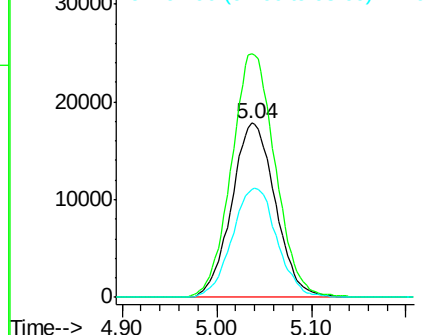
7/3/2019 9:16:09 AM



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: 20.705 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Tgt Ion: 45 Resp: 205828

Ion Ratio Lower Upper

45 100

43 63.1 50.4 75.6

87 26.4 23.0 34.4

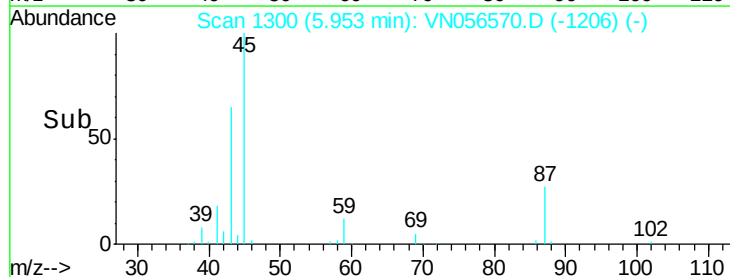
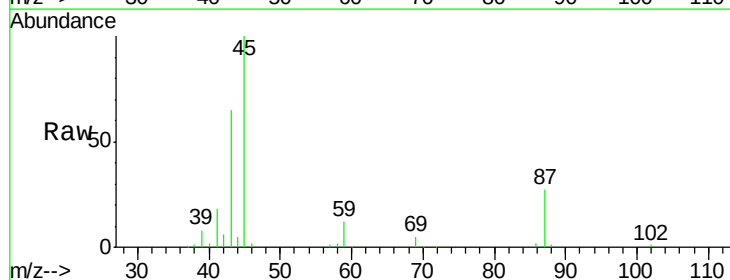
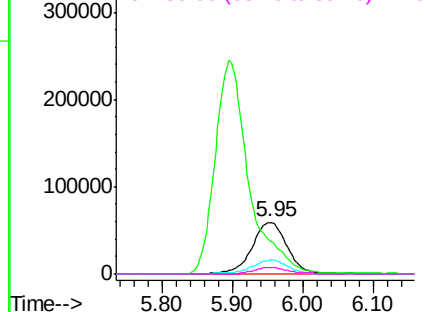
59 12.0 9.1 13.7

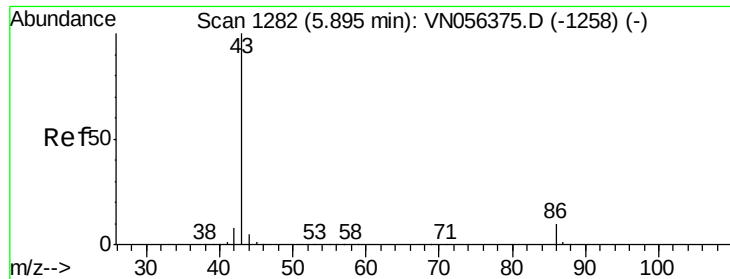
Abundance Ion 45.00 (44.70 to 45.70): VN0

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





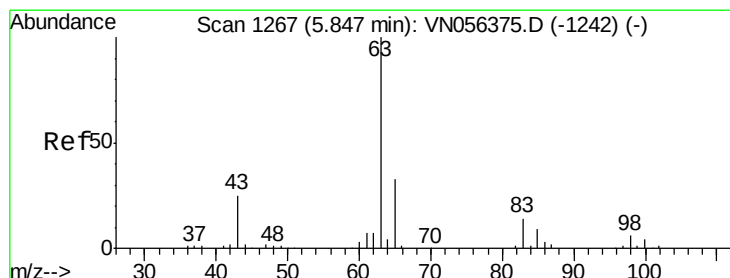
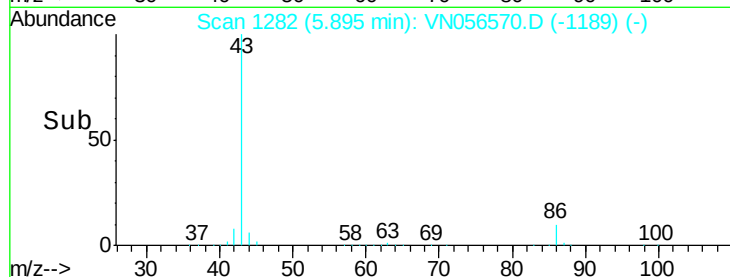
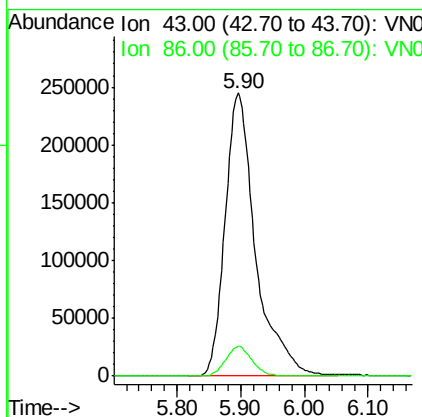
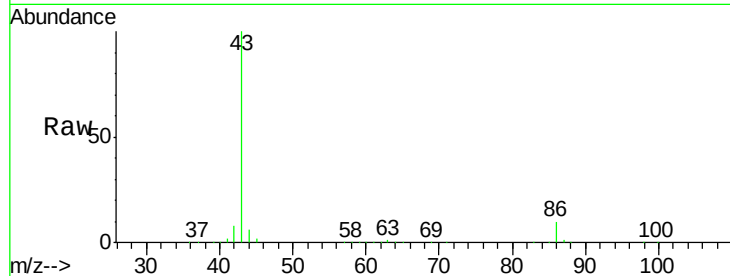
#23
 Vinyl Acetate
 Concen: 104.266 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD01

Tot Ion	43	Resp	817503
Ion Ratio	100	Lower	Upper
43	100		
86	10.4	8.3	12.5

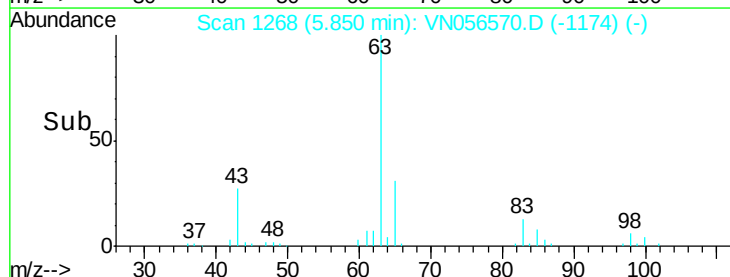
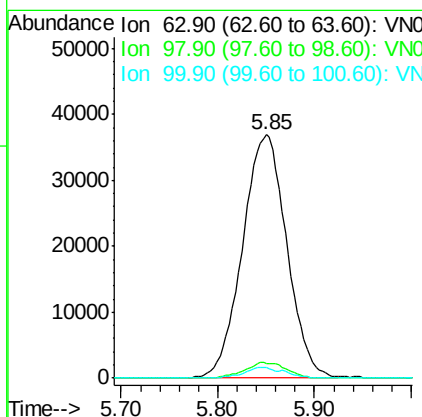
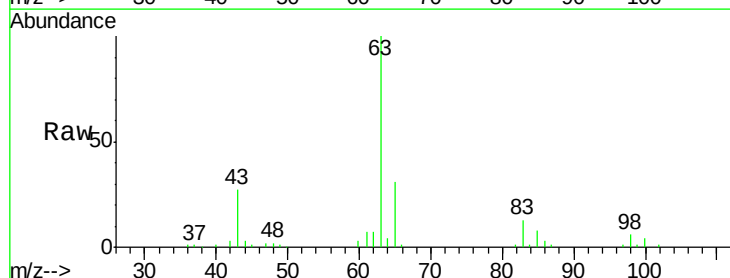
Manual Integrations
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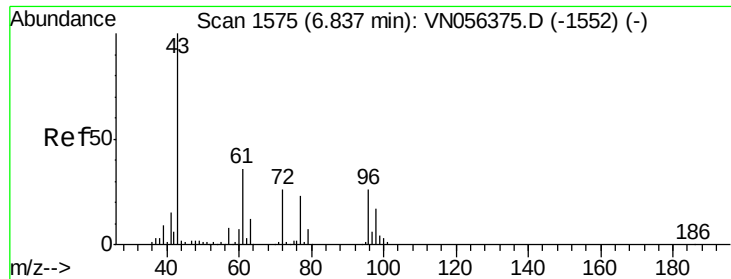
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#24
 1,1-Dichloroethane
 Concen: 20.536 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Tgt Ion	63	Resp	117182
Ion Ratio	100	Lower	Upper
63	100		
98	6.1	3.2	9.6
100	4.3	2.1	6.5





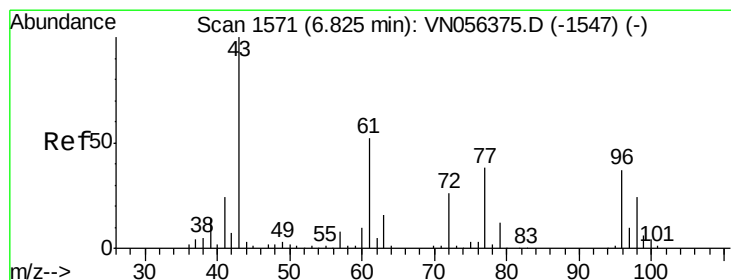
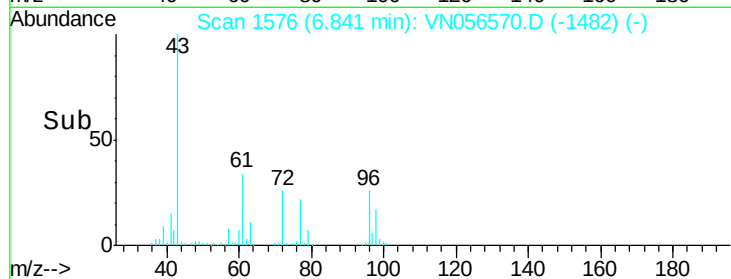
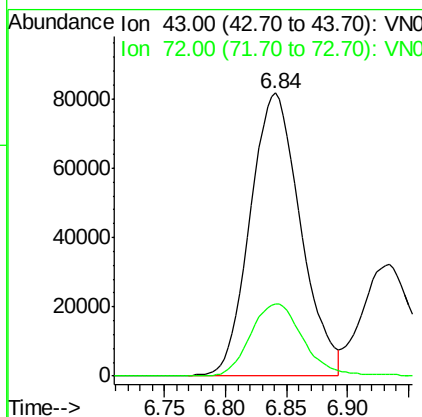
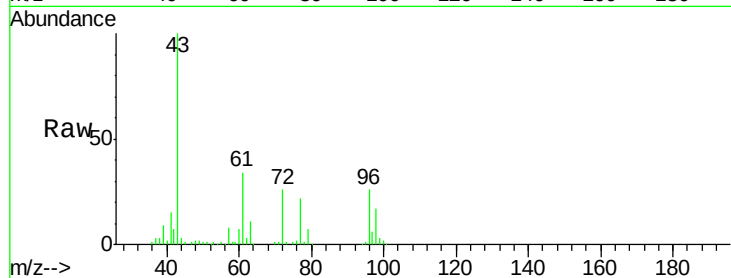
#25
2-Butanone
Concen: 98.451 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Instrument :
MSVOA_N
ClientSampled :
VN0701WBSD01

Tot Ion: 43 Resp: 232895
Ion Ratio Lower Upper
43 100
72 25.7 20.6 31.0

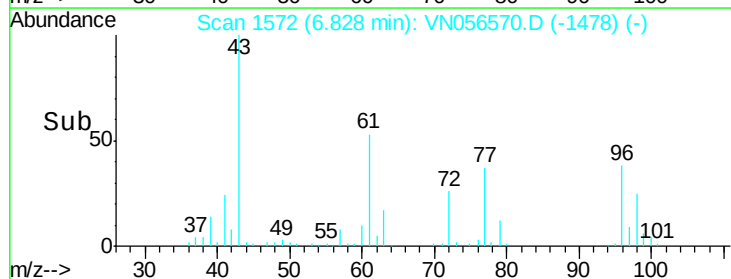
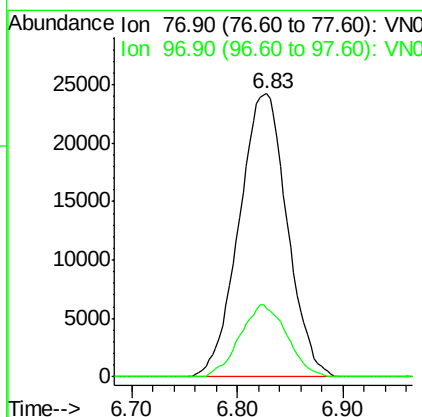
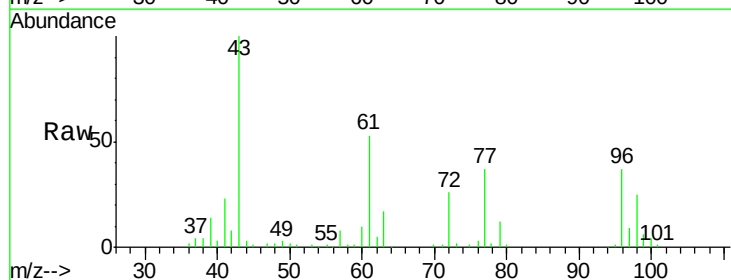
Manual Integrations
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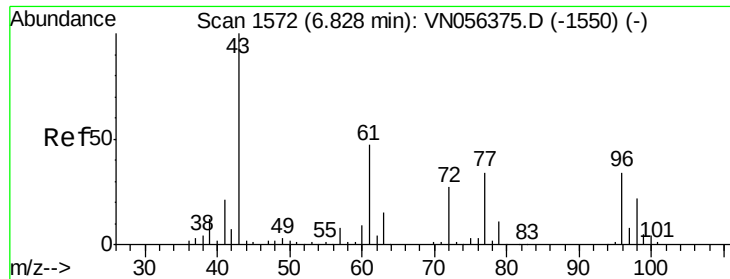
MMDadoda
7/3/2019 9:16:09 AM



#26
2,2-Dichloropropane
Concen: 19.347 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Tgt Ion: 77 Resp: 76785
Ion Ratio Lower Upper
77 100
97 24.9 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 20.262 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD01

Tot Ion: 96 Resp: 72674

Ion Ratio Lower Upper

96 100

61 139.1 0.0 279.8

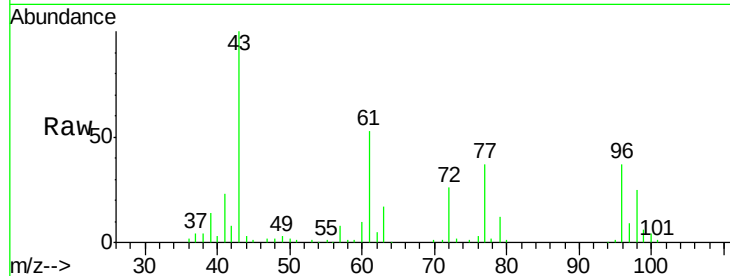
98 64.0 0.0 130.0

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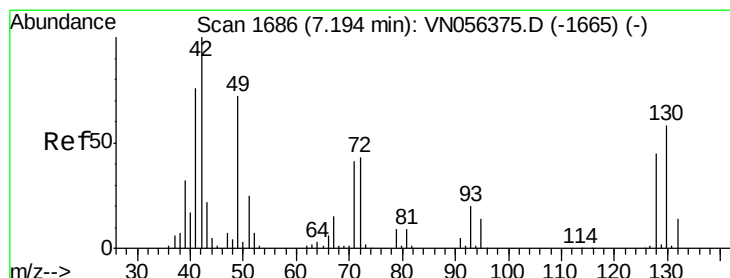
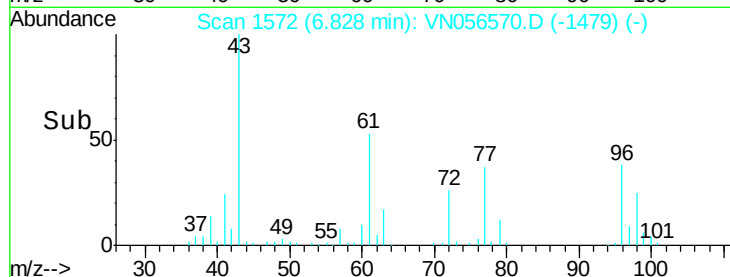
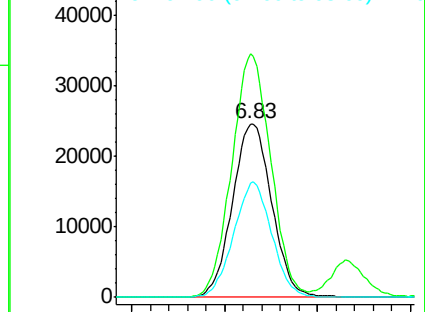
7/3/2019 9:16:09 AM



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



#28

Bromochloromethane

Concen: 20.496 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

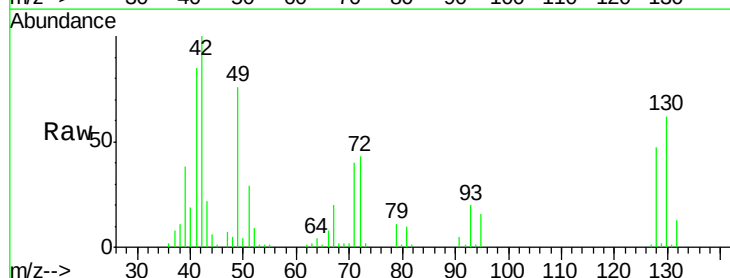
Tgt Ion: 49 Resp: 57850

Ion Ratio Lower Upper

49 100

129 1.6 0.0 4.2

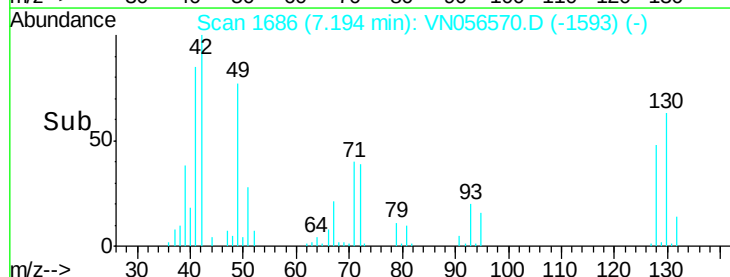
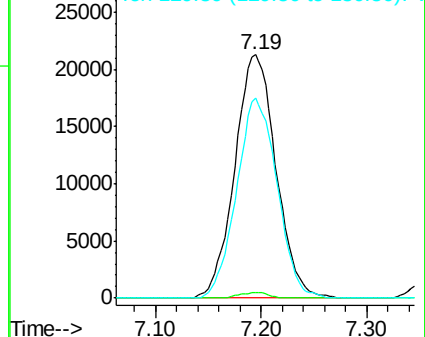
130 80.8 64.9 97.3

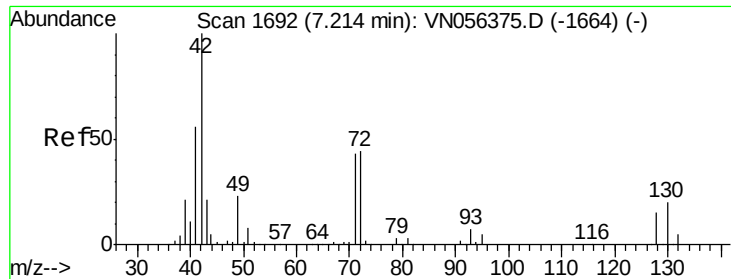


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





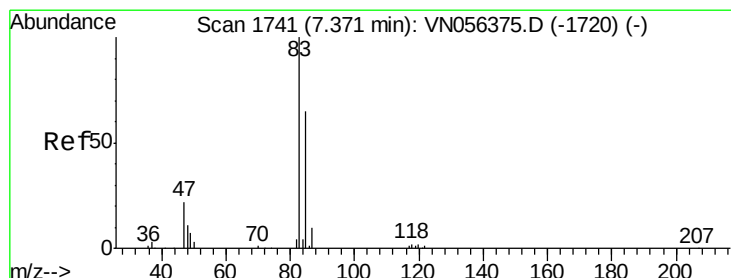
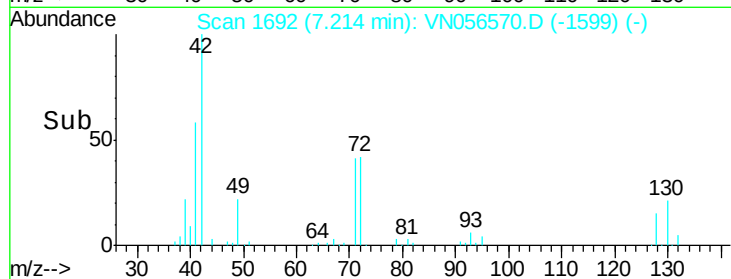
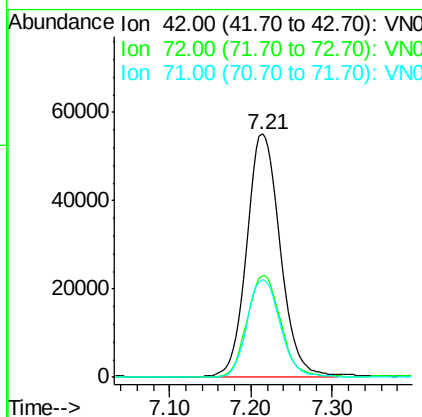
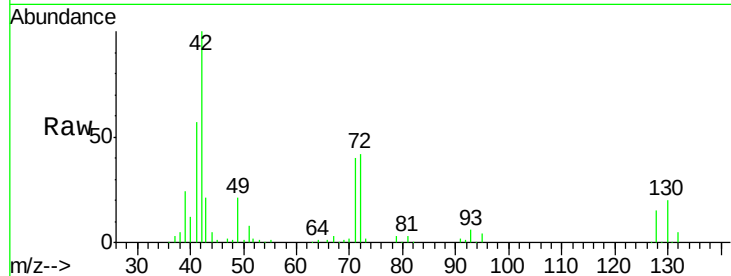
#29
Tetrahydrofuran
Concen: 108.488 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Instrument :
MSVOA_N
ClientSampled :
VN0701WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.7	52.1
71	39.7	33.0	49.6

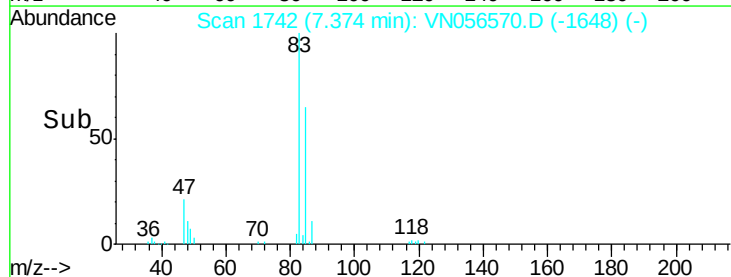
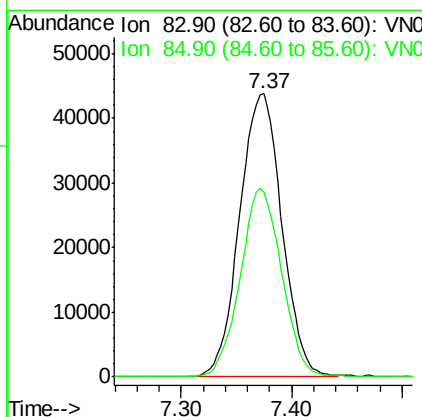
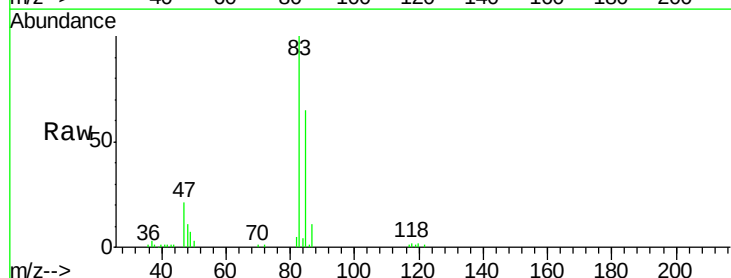
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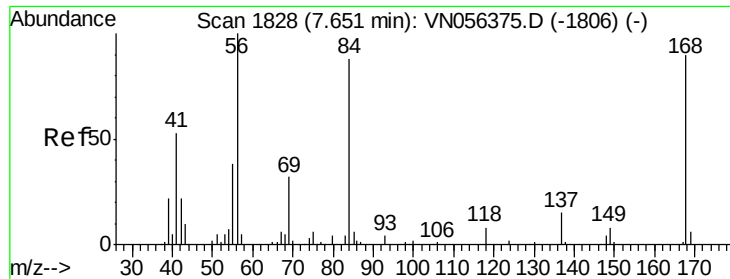
MMDadoda
7/3/2019 9:16:09 AM



#30
Chloroform
Concen: 20.672 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.3	78.5





#31

Cyclohexane

Concen: 17.822 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD01

Tot Ion: 56 Resp: 98178

Ion Ratio Lower Upper

56 100

69 36.5 25.8 38.6

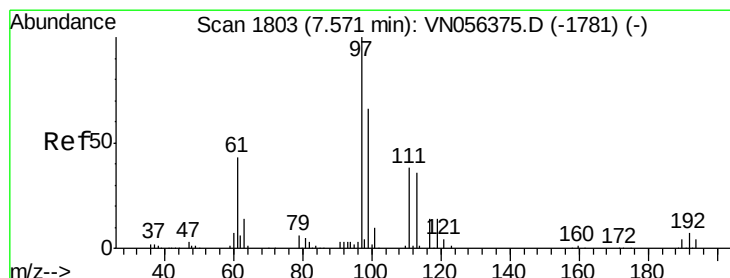
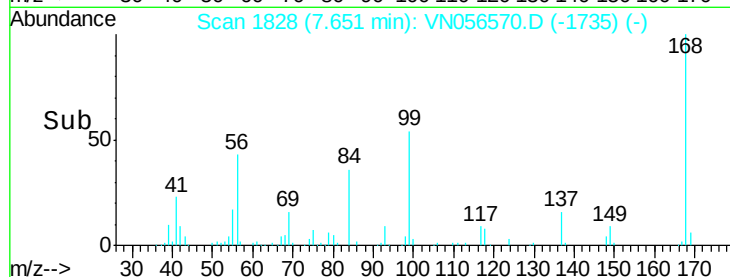
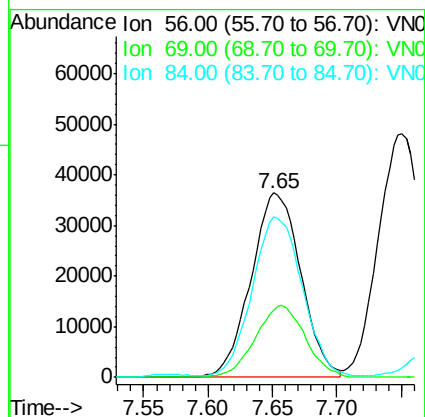
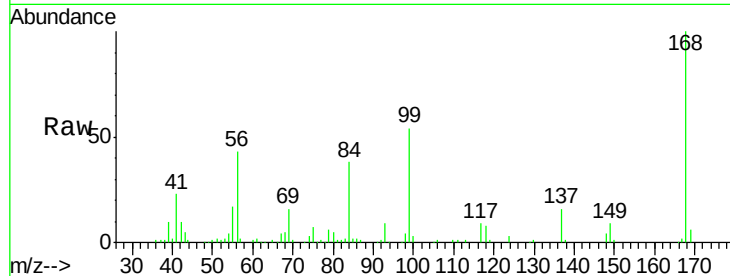
84 85.6 69.4 104.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 20.541 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

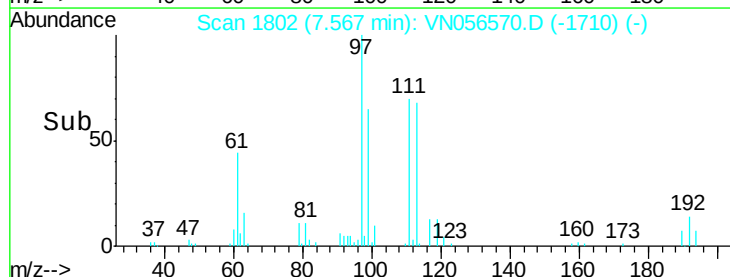
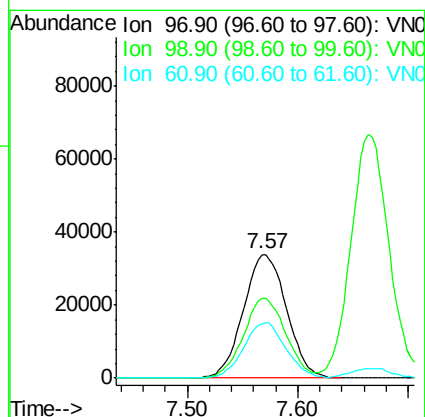
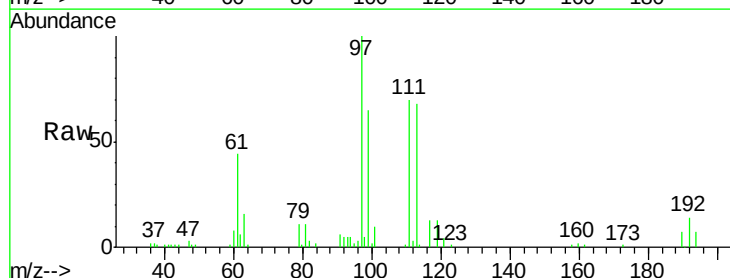
Tgt Ion: 97 Resp: 91678

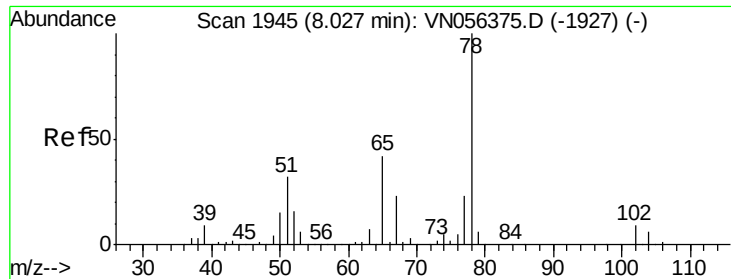
Ion Ratio Lower Upper

97 100

99 63.4 51.8 77.6

61 43.7 33.9 50.9





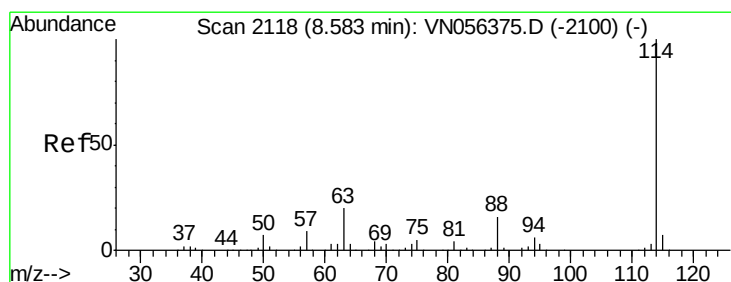
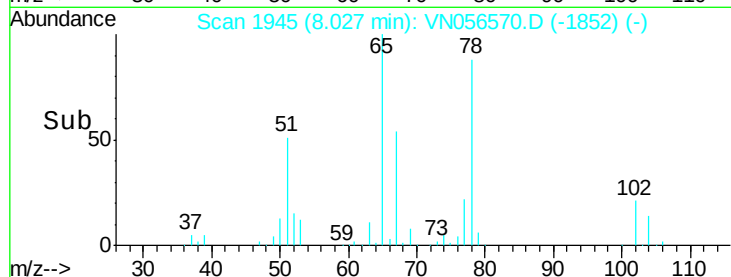
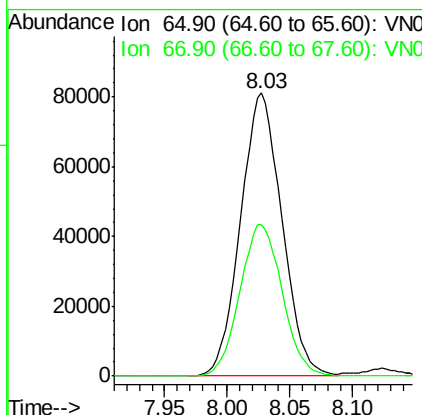
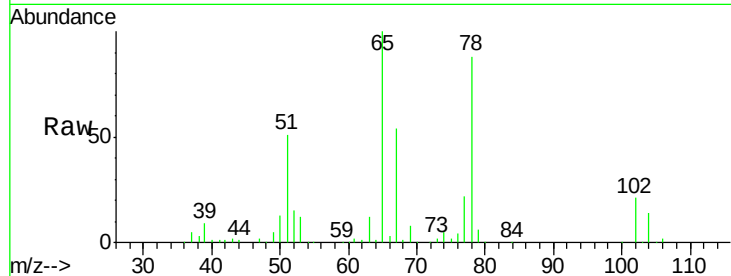
#33
 1,2-Dichloroethane-d4
 Concen: 52.166 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	186103		
67	55.0	0.0	109.0	

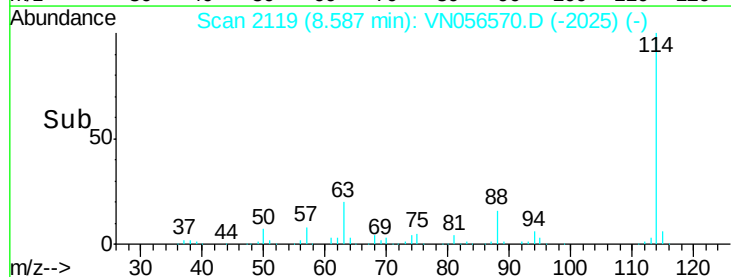
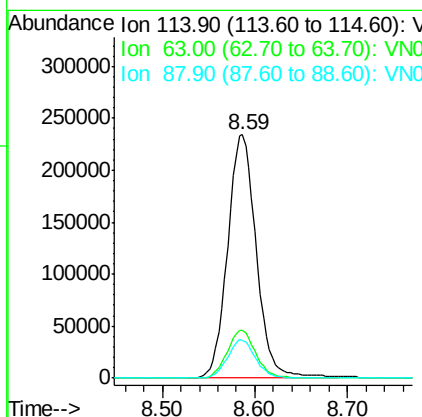
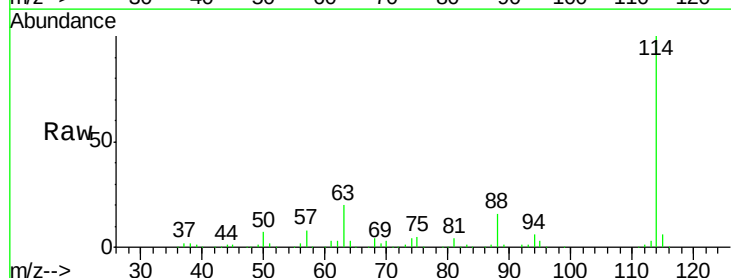
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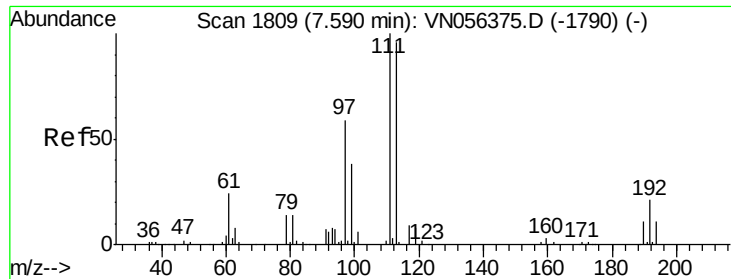
MMDadoda
 7/3/2019 9:16:09 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	502835		
63	19.6	0.0	39.2	
88	15.6	0.0	31.4	





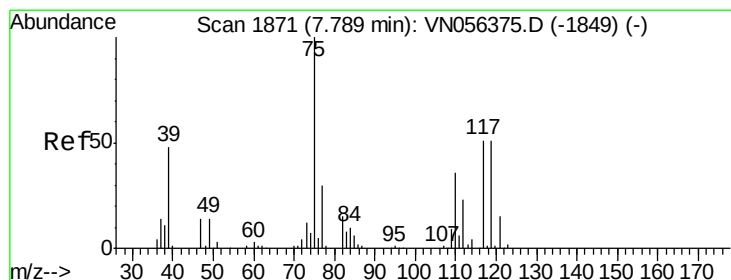
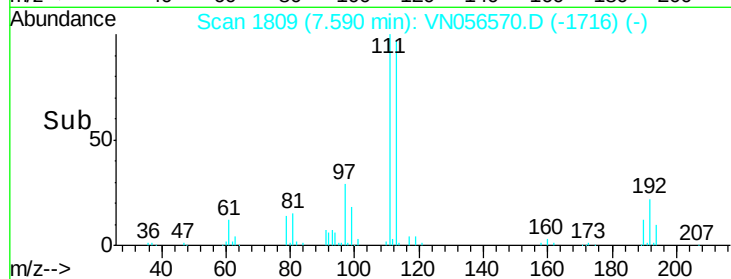
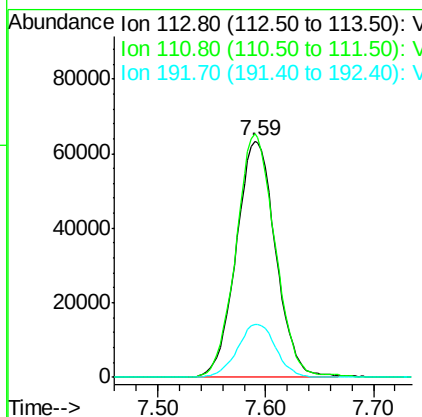
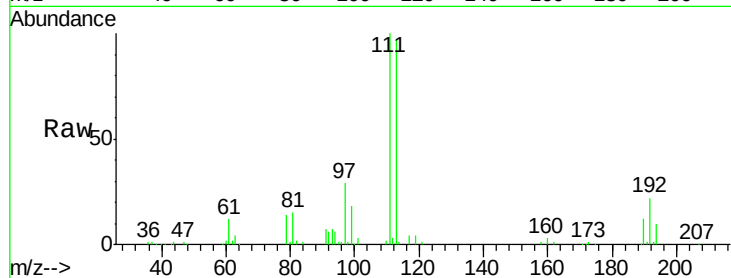
#35
 Dibromofluoromethane
 Concen: 51.253 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	160773		
111	101.8	82.9	124.3	
192	22.0	17.7	26.5	

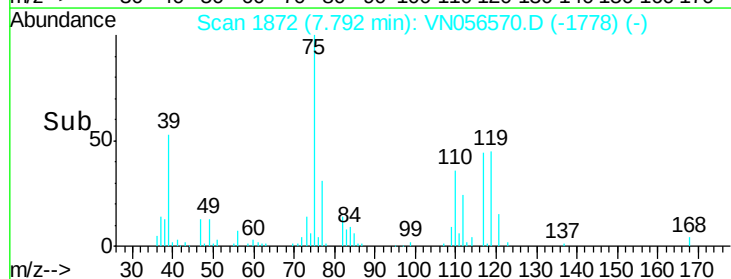
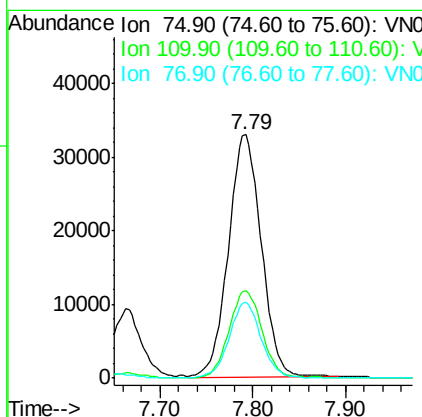
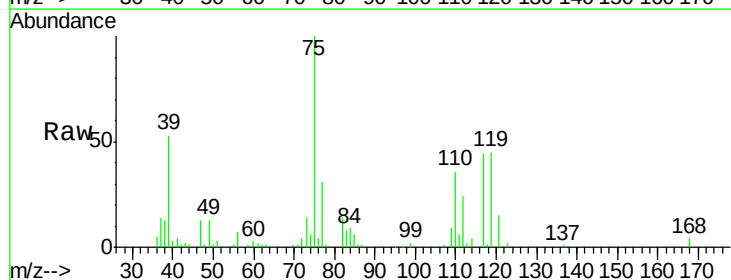
Manual Integrations
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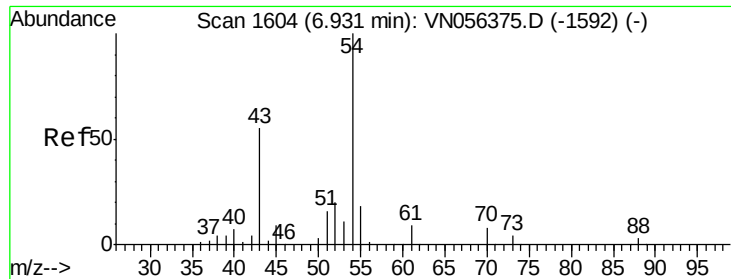
MMDadoda
 7/3/2019 9:16:09 AM



#36
 1,1-Dichloropropene
 Concen: 18.344 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	81188		
110	36.0	18.1	54.3	
77	30.4	24.6	36.8	





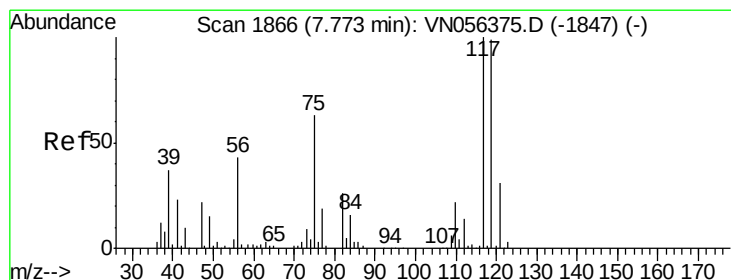
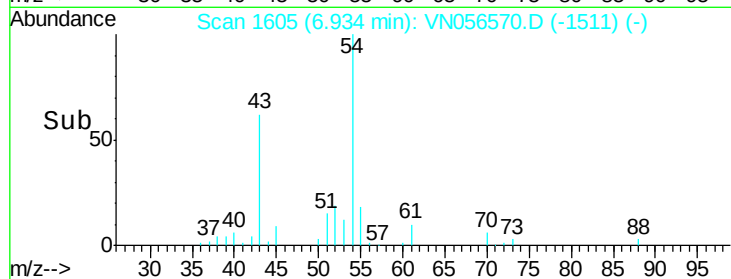
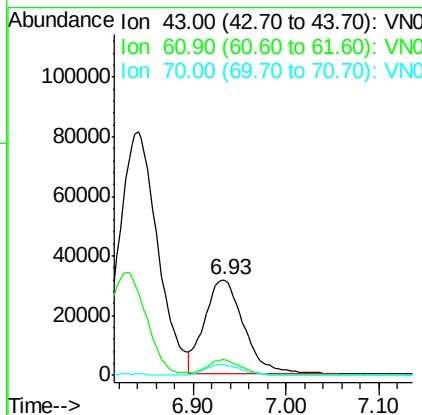
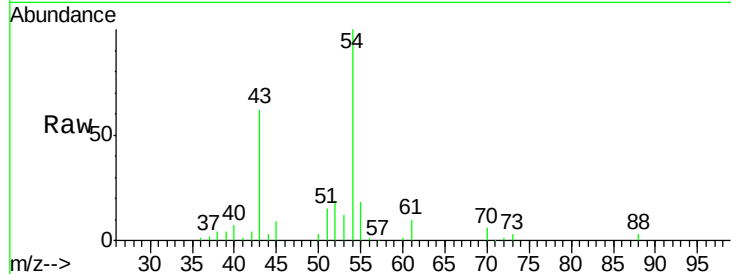
#37
Ethyl Acetate
Concen: 21.407 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Instrument :
MSVOA_N
ClientSampled :
VN0701WBSD01

Tot Ion	43	61	70
Ratio	100	15.0	10.5
Lower		11.1	8.3
Upper		16.7	12.5

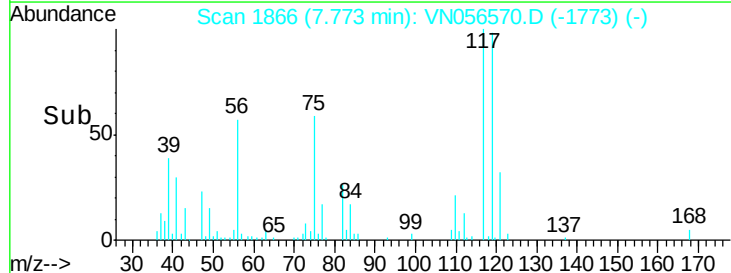
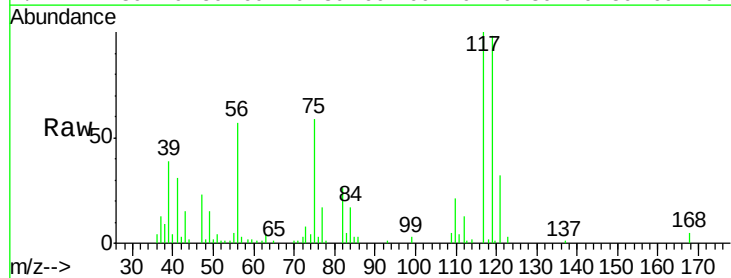
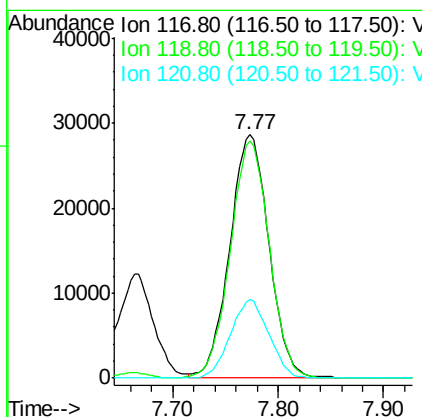
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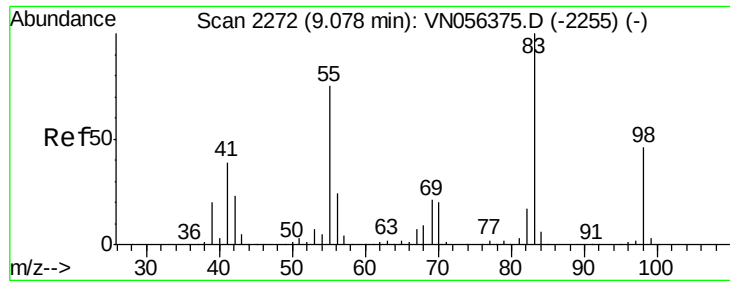
MMDadoda
7/3/2019 9:16:09 AM



#38
Carbon Tetrachloride
Concen: 19.101 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Tgt Ion	117	119	121
Ratio	100	97.5	32.2
Lower		79.1	24.8
Upper		118.7	37.2





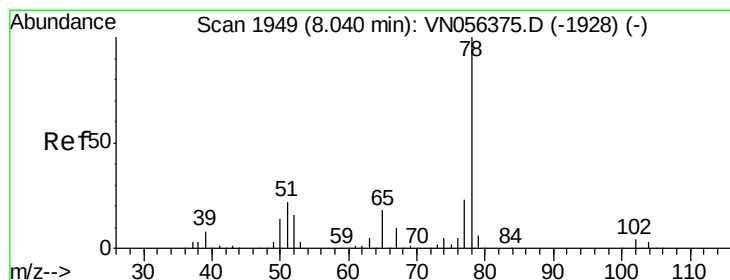
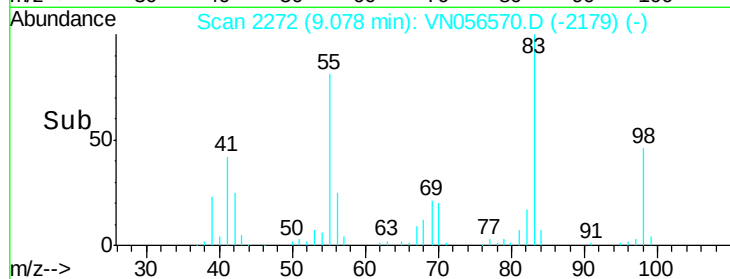
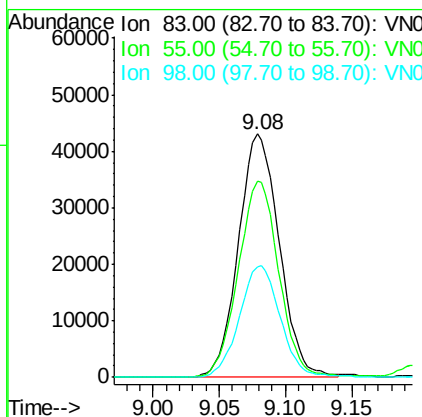
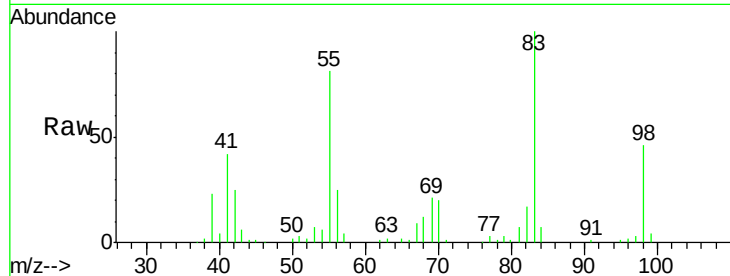
#39
Methylvlcyclohexane
Concen: 16.897 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBSD01

Tot Ion	83	Resp	92279
Ion Ratio	100	Lower	Upper
83	100		
55	80.6	60.0	90.0
98	45.6	36.6	54.8

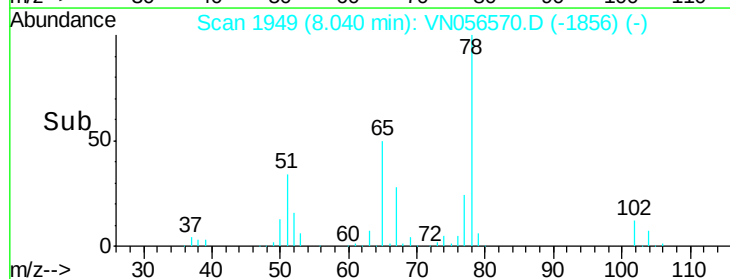
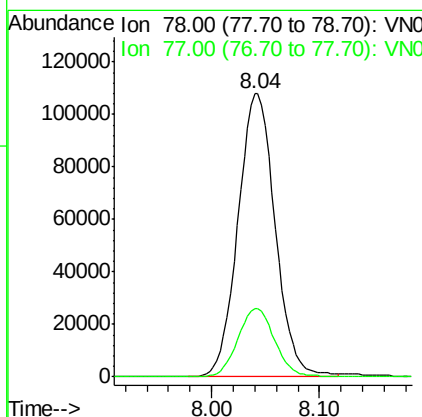
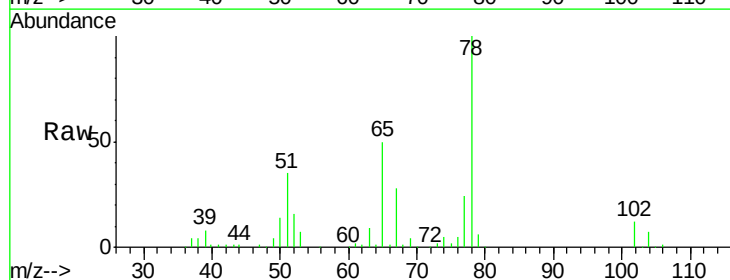
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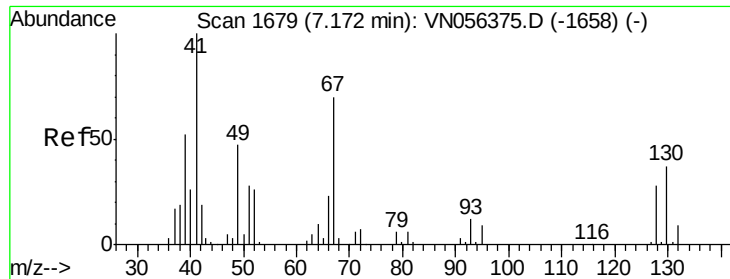
MMDadoda
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#40
Benzene
Concen: 19.032 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Tgt Ion	78	Resp	259105
Ion Ratio	100	Lower	Upper
78	100		
77	24.0	18.3	27.5





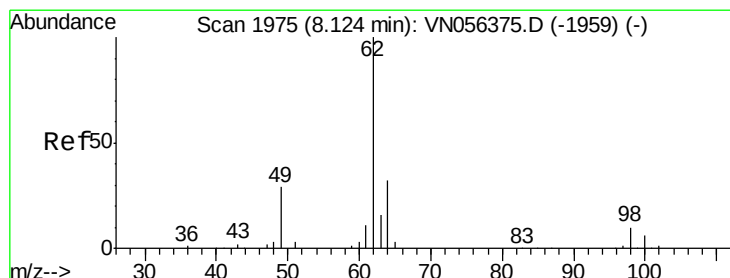
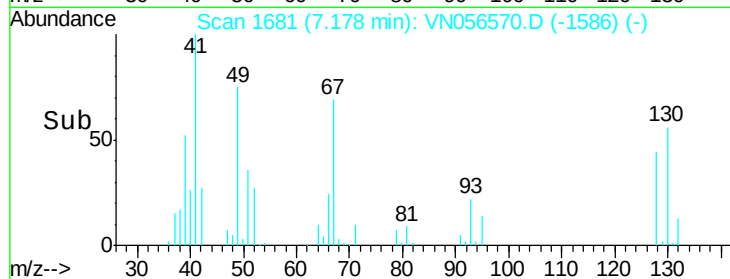
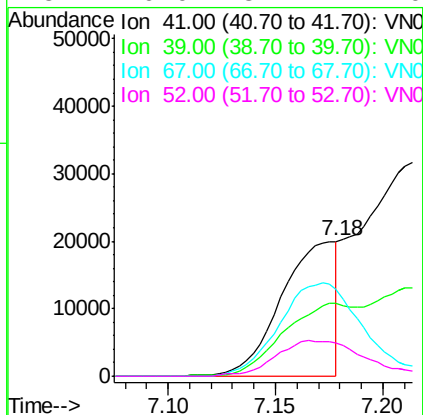
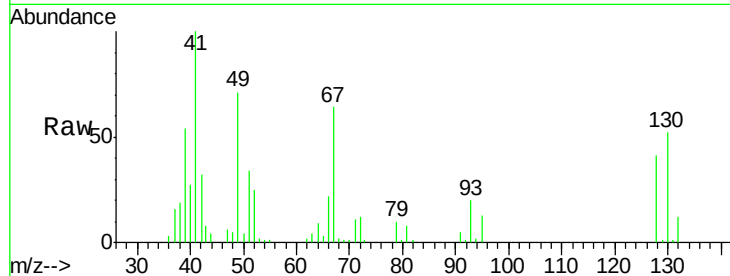
#41
Methacrylonitrile
Concen: 18.723 ug/l m
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.3	82.9#
67	0.0	79.2	118.8#
52	0.0	31.4	47.0#

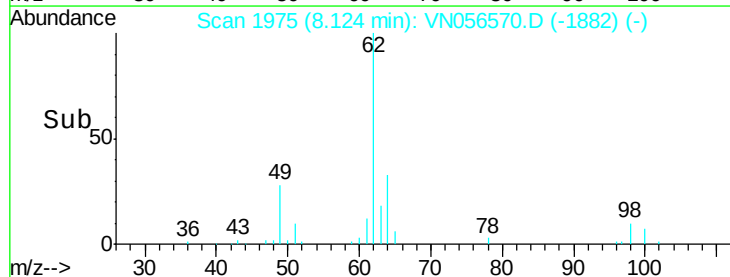
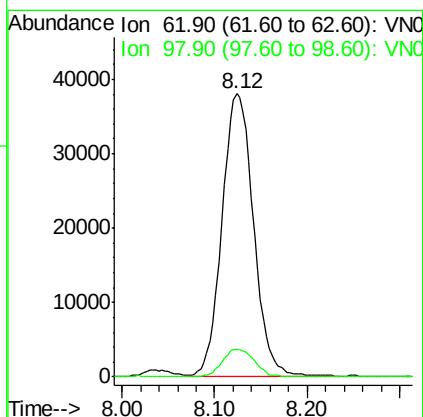
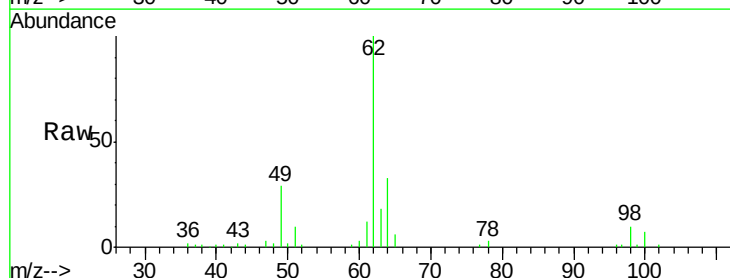
Manual Integrations
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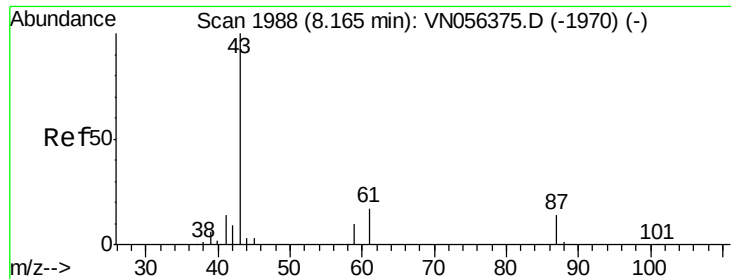
MMDadoda
7/3/2019 9:16:09 AM



#42
1,2-Dichloroethane
Concen: 20.036 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.4





#43

Isopropyl Acetate

Concen: 20.266 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

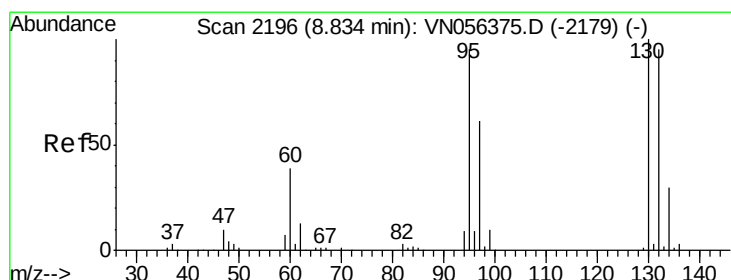
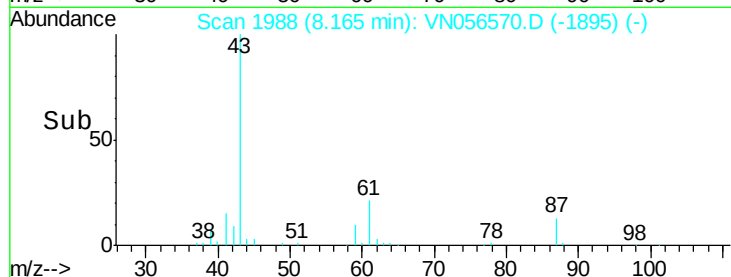
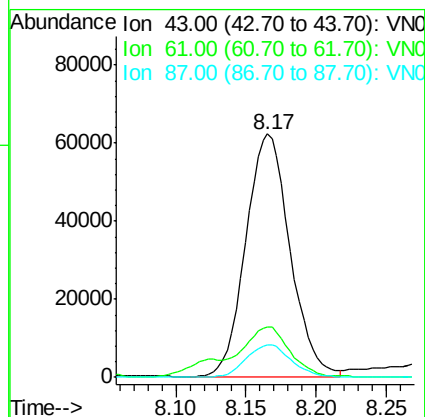
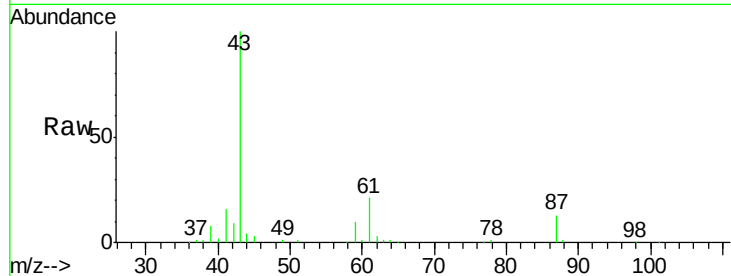
ClientSampleId :

VN0701WBSD01

Tot Ion:	43	Resp:	135916
Ion	Ratio	Lower	Upper
43	100		
61	21.7	22.0	33.0#
87	13.8	11.0	16.4

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#44

Trichloroethene

Concen: 18.536 ug/l

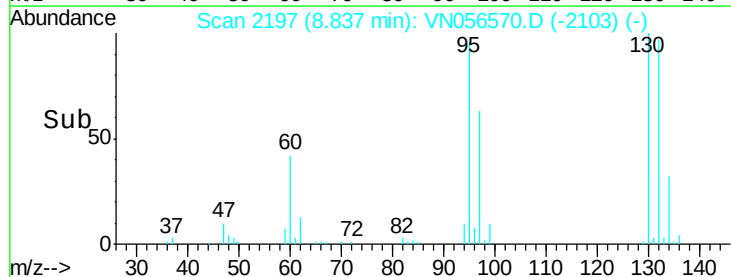
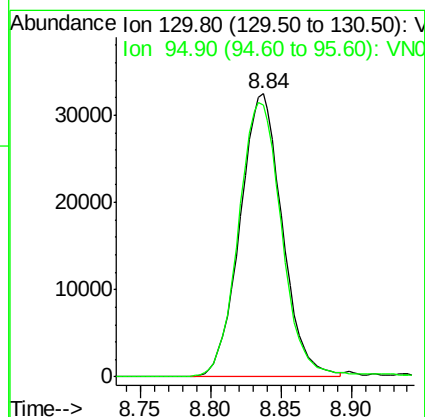
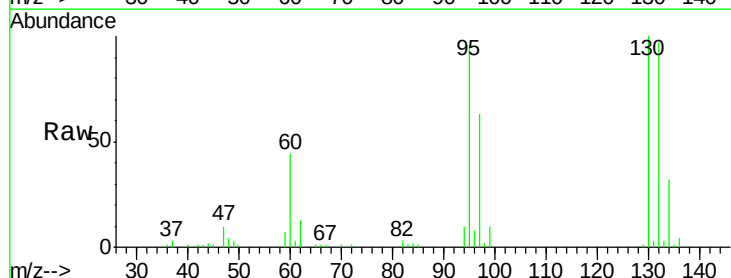
RT: 8.84 min Scan# 2197

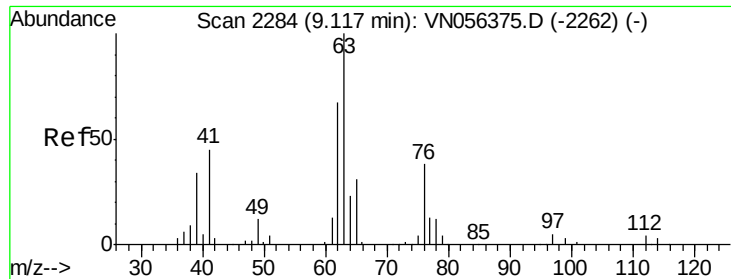
Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Tgt Ion:	130	Resp:	67975
Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	191.0





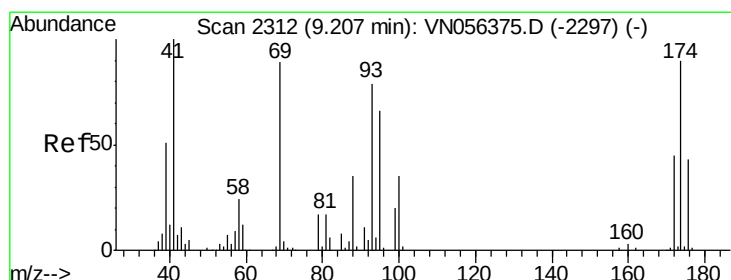
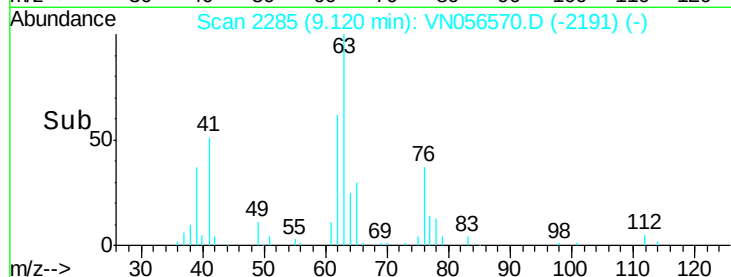
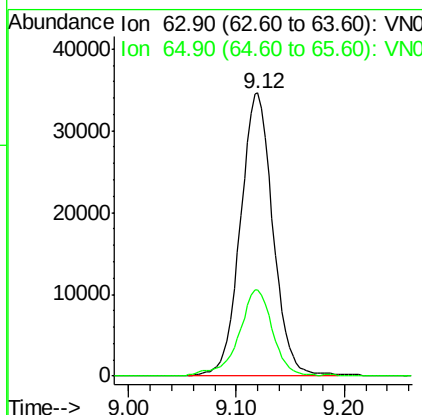
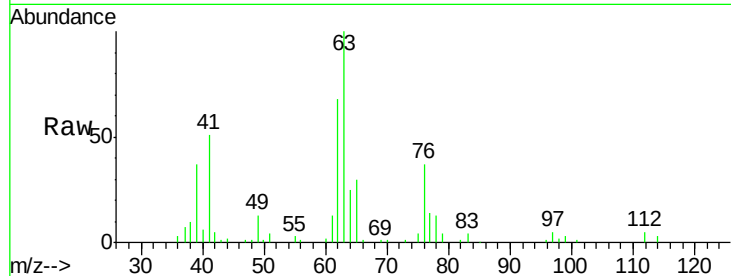
#45
 1,2-Dichloropropane
 Concen: 19.963 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0701WBSD01

Tot Ion: 63 Resp: 72682
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.6

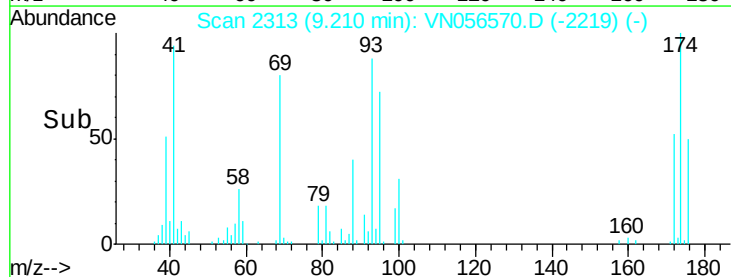
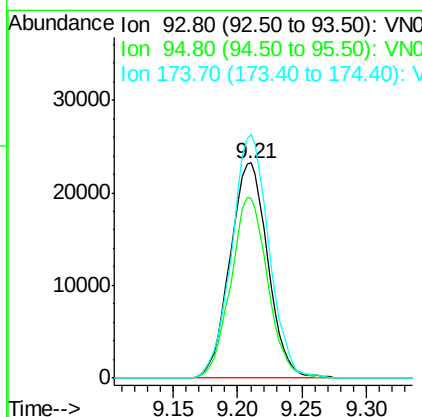
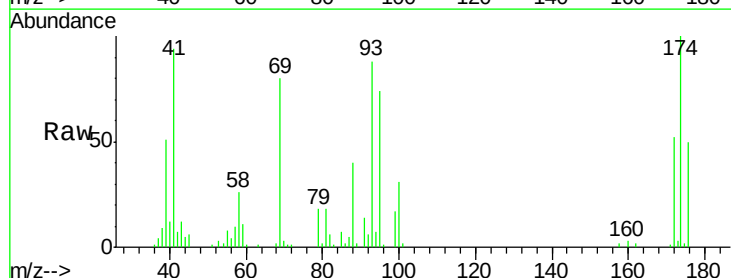
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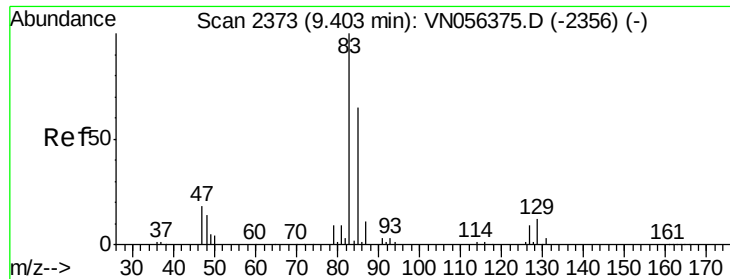
MMDadoda
 7/3/2019 9:16:09 AM



#46
 Dibromomethane
 Concen: 20.770 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Tgt Ion: 93 Resp: 47311
 Ion Ratio Lower Upper
 93 100
 95 81.6 66.2 99.2
 174 111.6 90.8 136.2





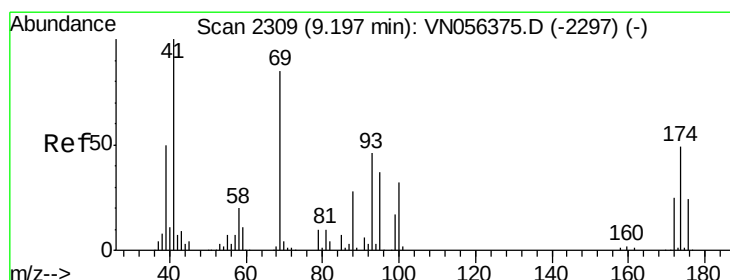
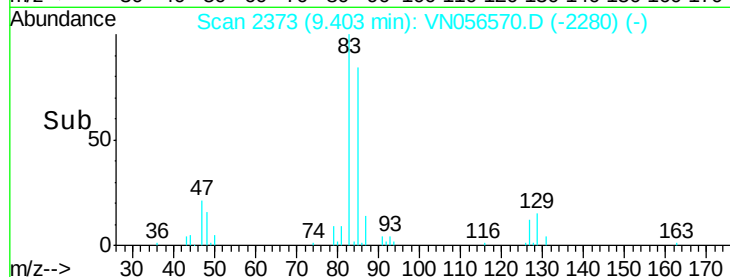
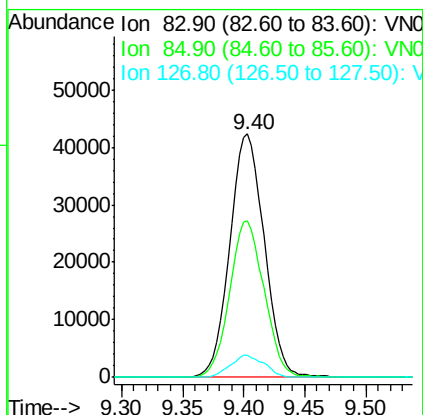
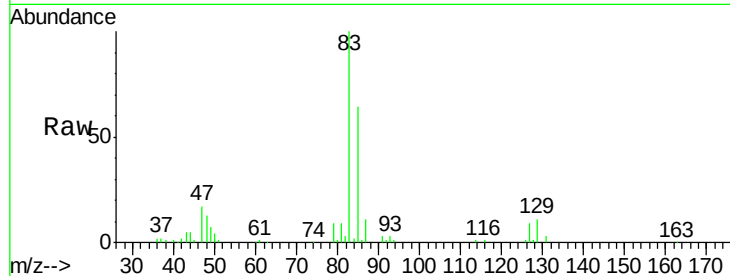
#47
Bromodichloromethane
Concen: 20.618 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBSD01

Tot Ion	83	Resp	83295
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	52.2	78.4
127	8.9	7.3	10.9

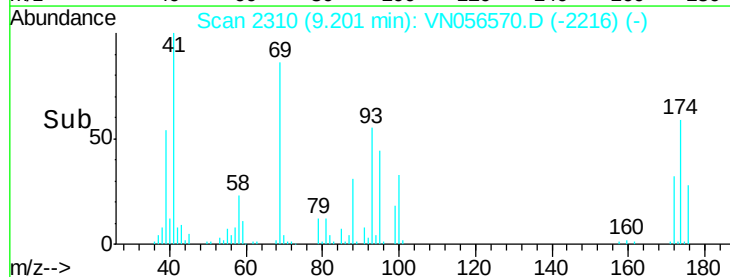
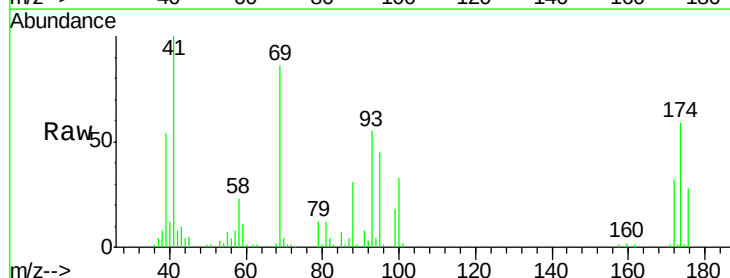
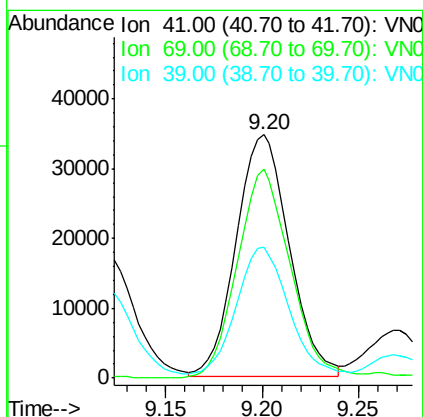
Manual Integrations
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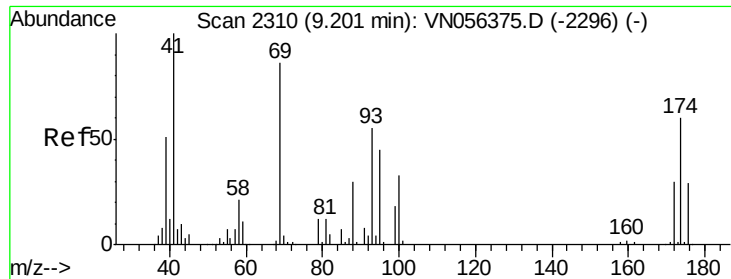
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#48
Methyl methacrylate
Concen: 19.670 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Tgt Ion	41	Resp	66109
Ion Ratio	100	Lower	Upper
41	100		
69	86.1	72.6	109.0
39	54.3	42.6	63.8





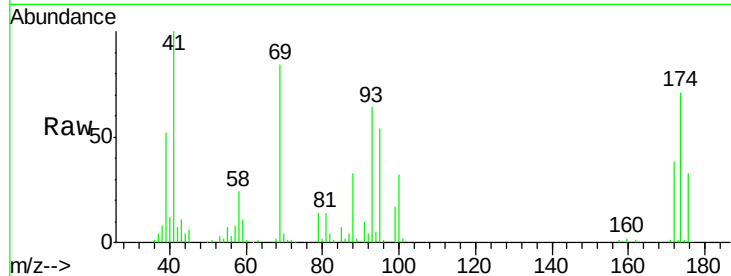
#49
1,4-Dioxane
Concen: 386.890 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBSD01

Tot Ion	88	Resp	26984
Ion	Ratio	Lower	Upper
88	100		
43	27.7	22.0	33.0
58	68.7	51.8	77.8

Manual Integrations
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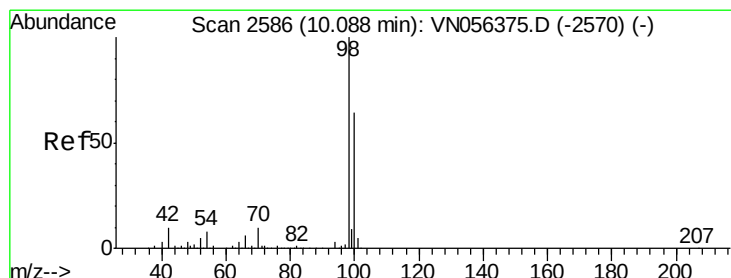
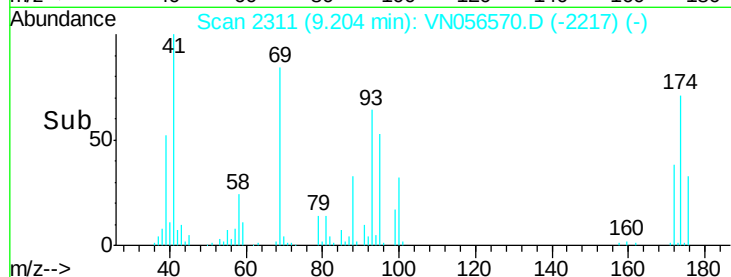
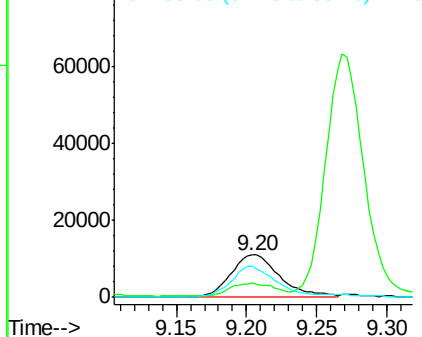
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Abundance Ion 88.00 (87.70 to 88.70): VN056375.D (-2296) (-)

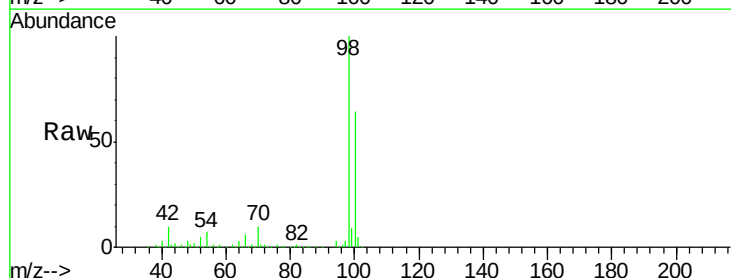
Ion 43.00 (42.70 to 43.70): VN056375.D (-2296) (-)

Ion 58.00 (57.70 to 58.70): VN056375.D (-2296) (-)



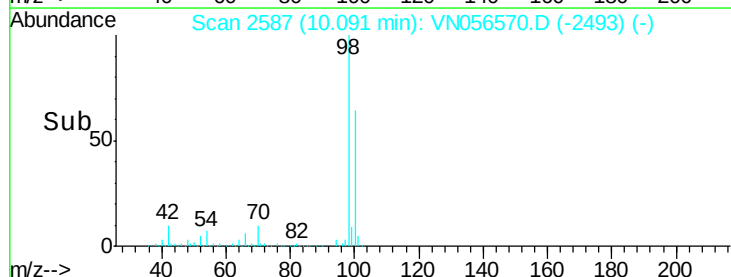
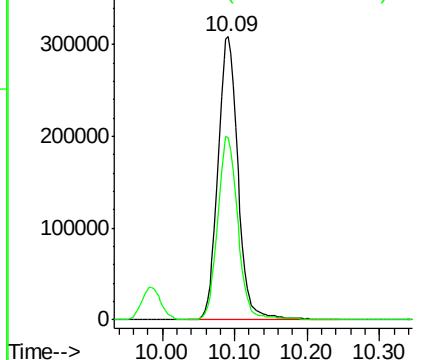
#50
Toluene-d8
Concen: 48.547 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

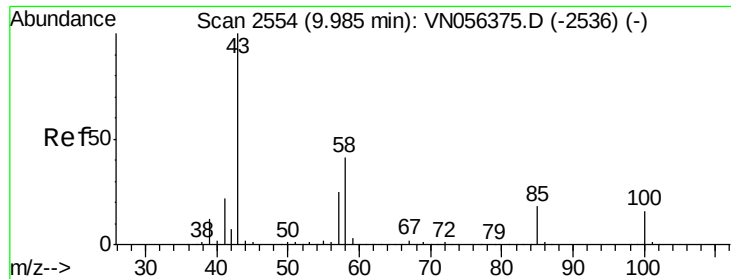
Tgt Ion	98	Resp	592550
Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.2	78.2



Abundance Ion 98.00 (97.70 to 98.70): VN056375.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN056375.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 102.825 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD01

Tot Ion: 43 Resp: 445109

Ion Ratio Lower Upper

43 100

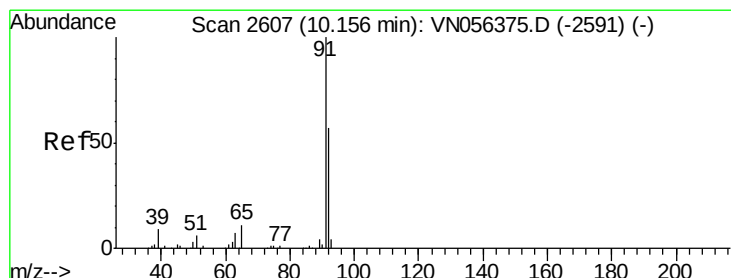
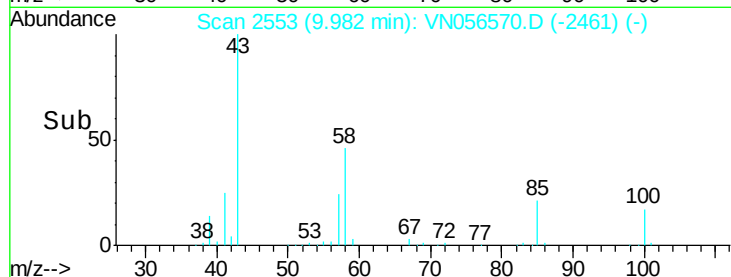
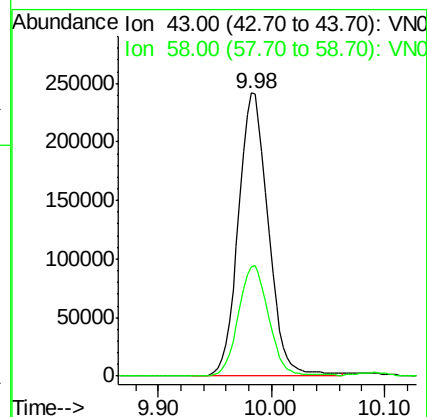
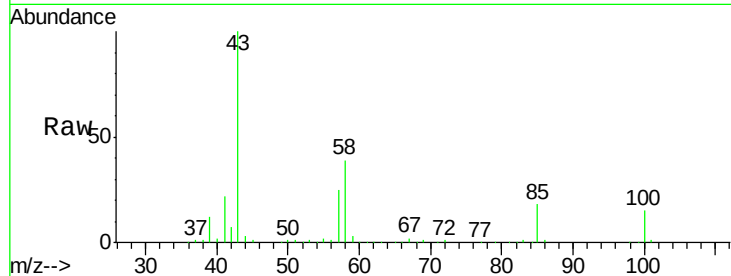
58 39.7 31.8 47.8

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#52

Toluene

Concen: 19.104 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056570.D

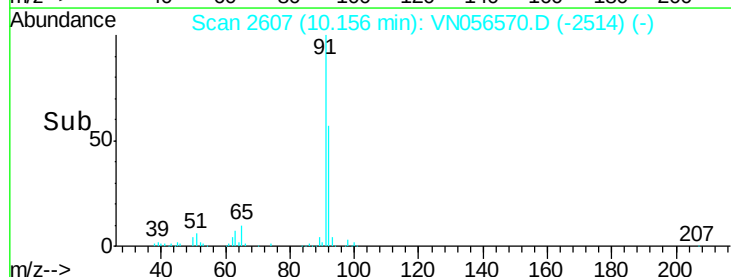
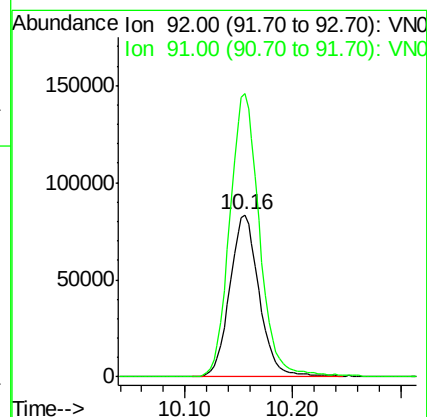
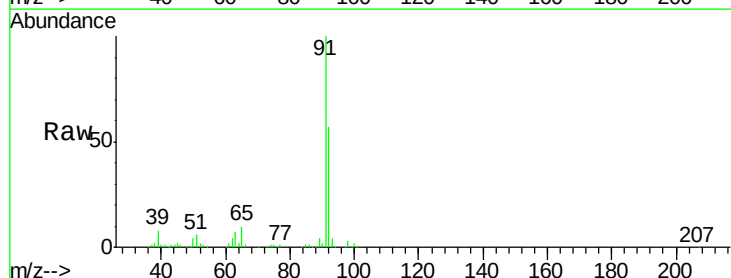
Acq: 1 Jul 2019 14:24

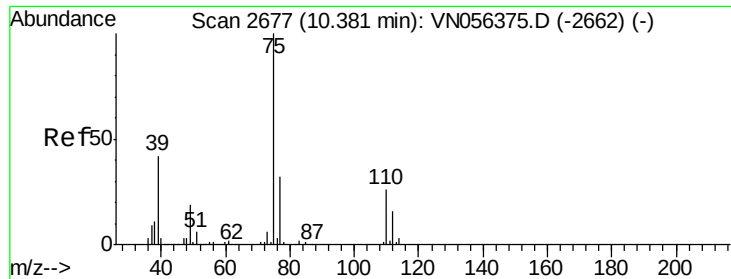
Tgt Ion: 92 Resp: 159007

Ion Ratio Lower Upper

92 100

91 177.0 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 19.014 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampled :

VN0701WBSD01

Tot Ion: 75 Resp: 80520

Ion Ratio Lower Upper

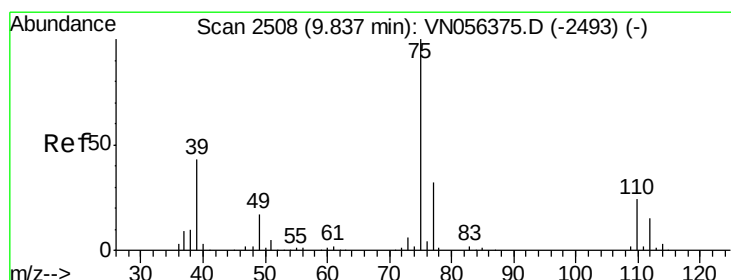
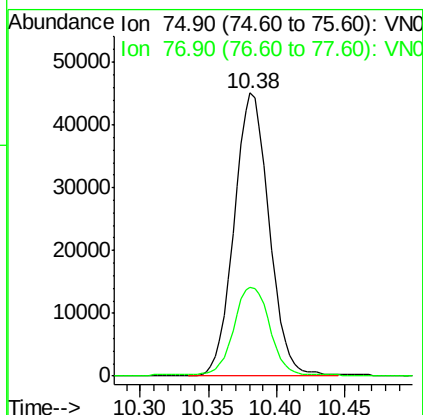
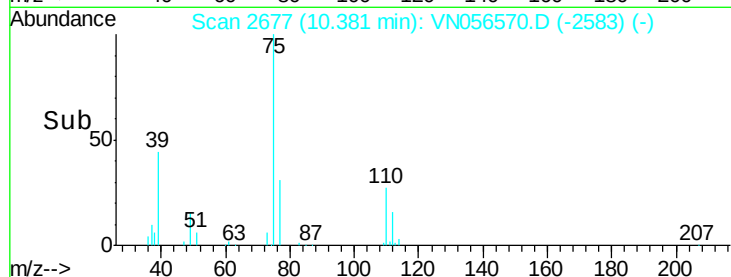
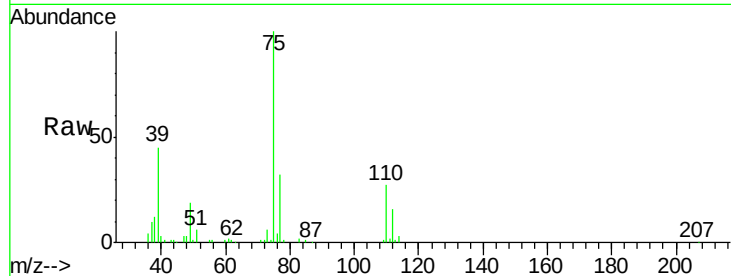
75 100

77 31.1 25.4 38.2

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#54

cis-1,3-Dichloropropene

Concen: 19.850 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

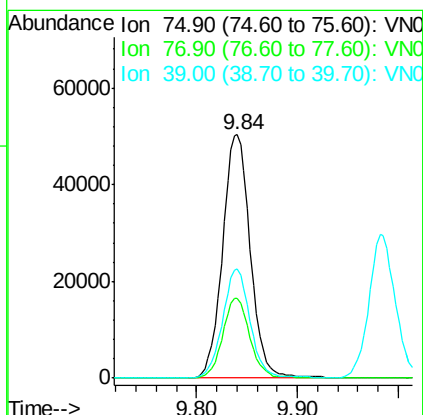
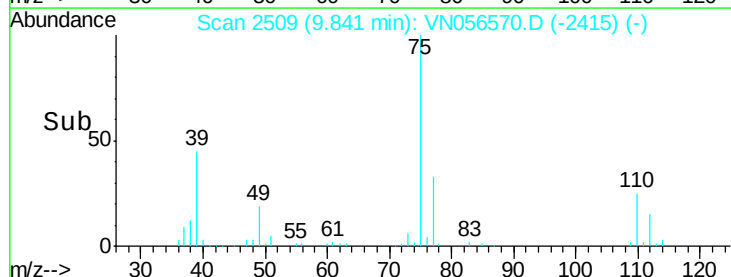
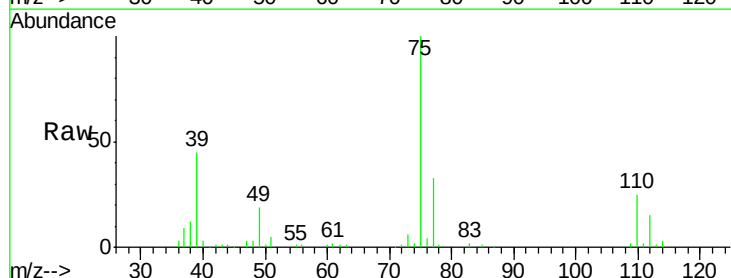
Tgt Ion: 75 Resp: 96571

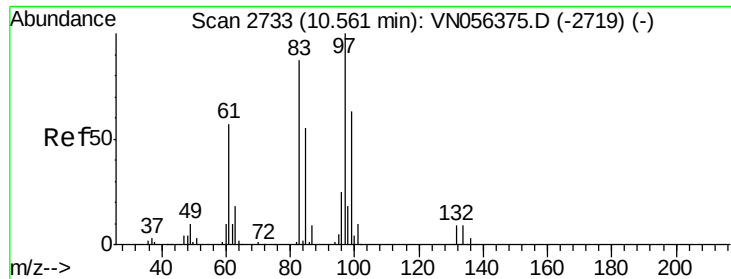
Ion Ratio Lower Upper

75 100

77 32.8 25.2 37.8

39 44.8 34.2 51.4





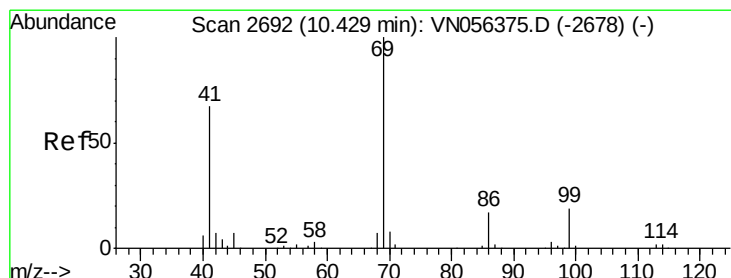
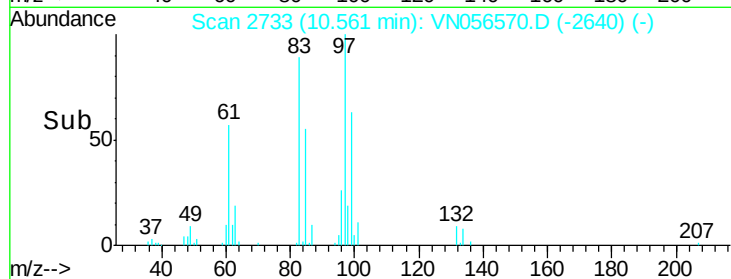
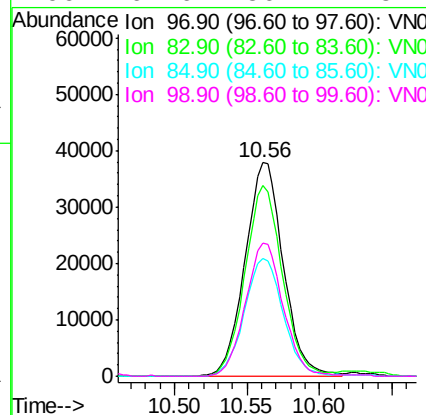
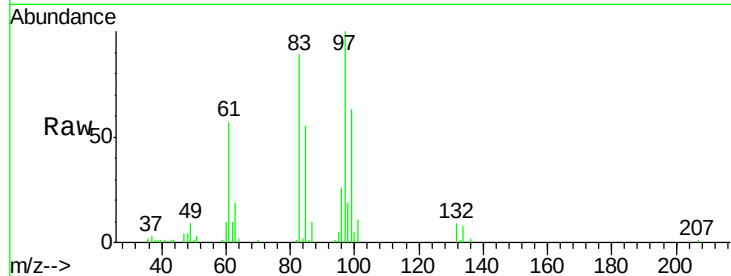
#55
 1,1,2-Trichloroethane
 Concen: 20.817 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD01

Tot Ion:	97	Resp:	69644
Ion	Ratio	Lower	Upper
97	100		
83	89.2	69.8	104.6
85	55.1	43.8	65.8
99	62.6	50.2	75.2

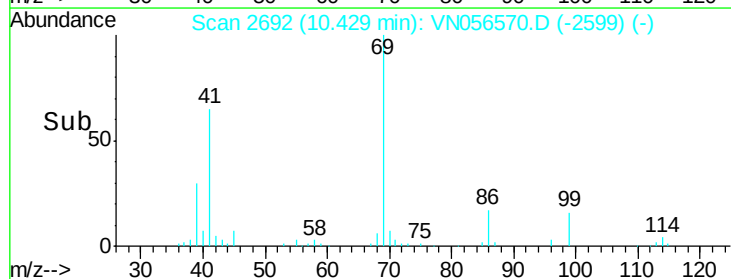
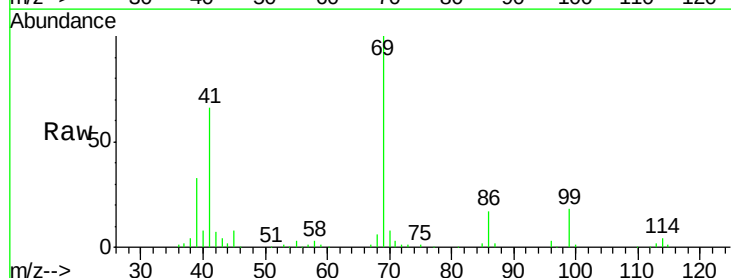
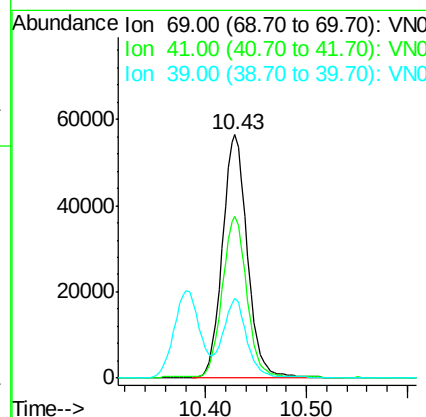
Manual Integrations
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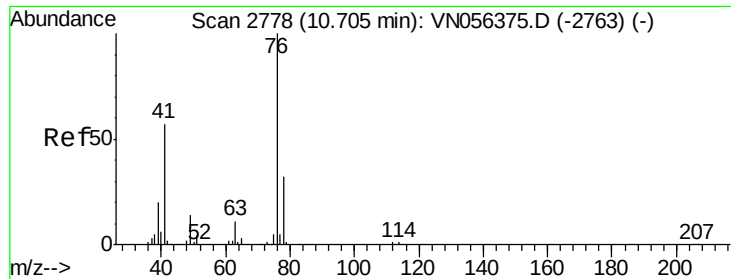
MMDadoda
 7/3/2019 9:16:09 AM



#56
 Ethyl methacrylate
 Concen: 19.981 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Tgt Ion:	69	Resp:	97694
Ion	Ratio	Lower	Upper
69	100		
41	63.7	51.4	77.2
39	30.1	24.7	37.1





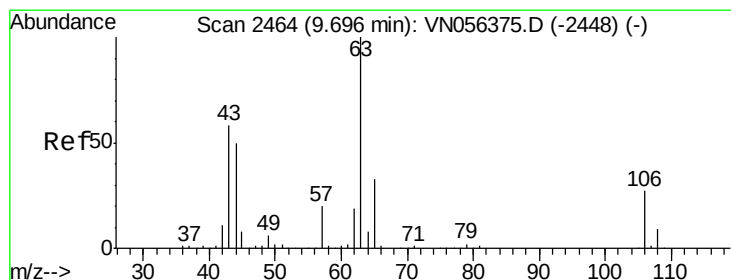
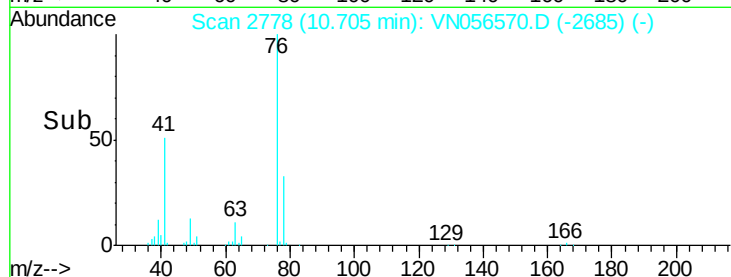
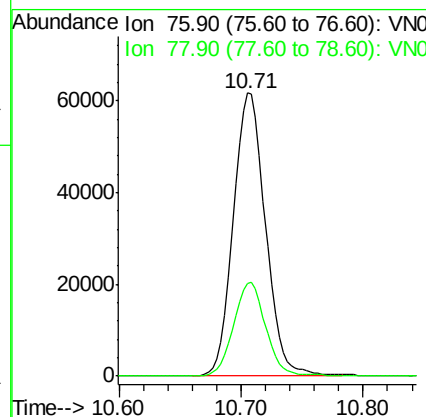
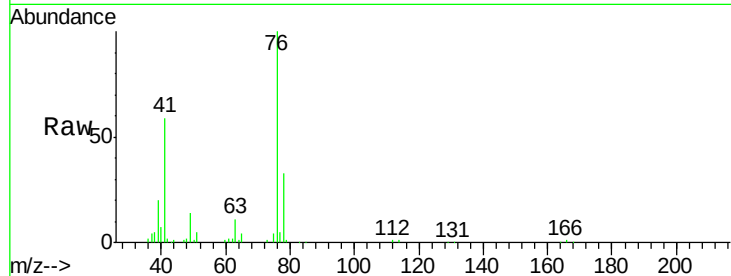
#57
 1,3-Dichloropropane
 Concen: 20.268 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0701WBSD01

Tot Ion: 76 Resp: 113916
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.9 38.9

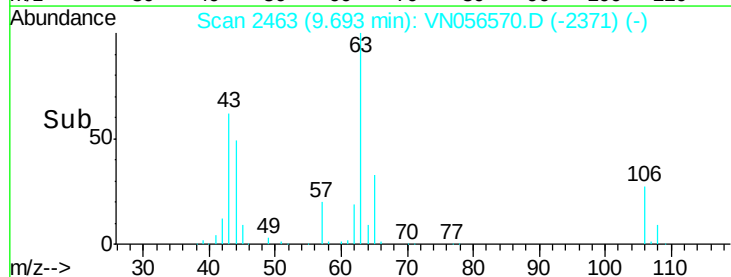
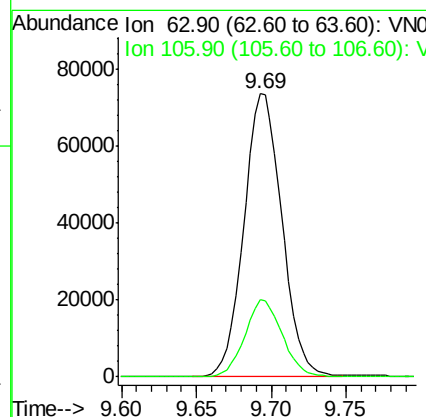
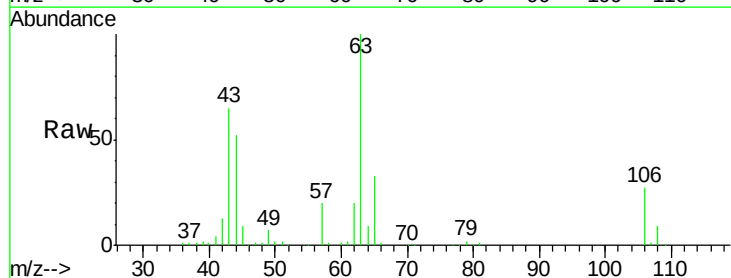
Manual Integrations
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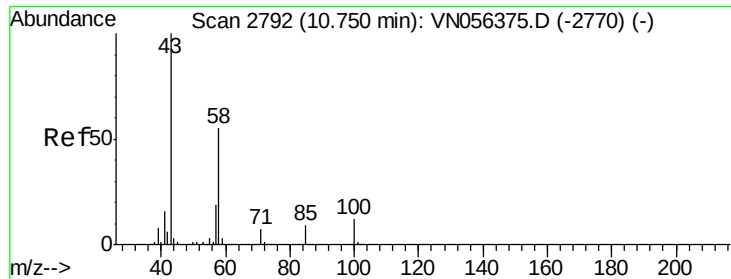
MMDadoda
 7/3/2019 9:16:09 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 74.063 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Tgt Ion: 63 Resp: 130091
 Ion Ratio Lower Upper
 63 100
 106 26.7 21.6 32.4





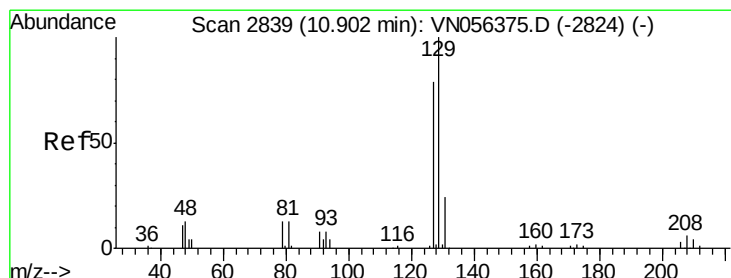
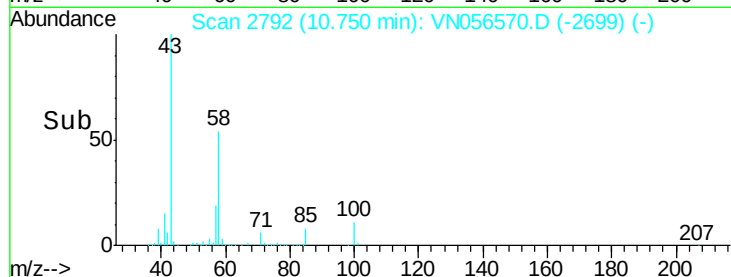
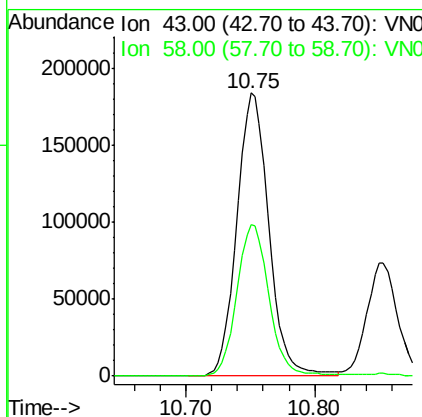
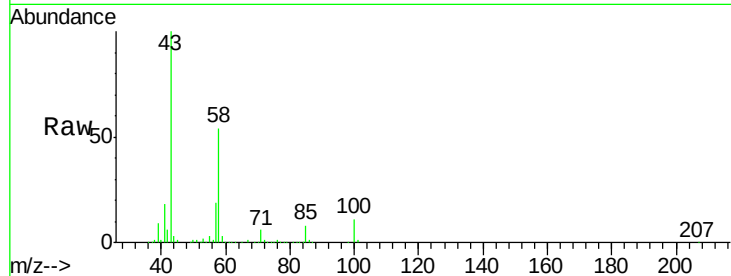
#59
2-Hexanone
Concen: 99.422 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBSD01

Tot Ion: 43 Resp: 316313
Ion Ratio Lower Upper
43 100
58 54.2 27.8 83.4

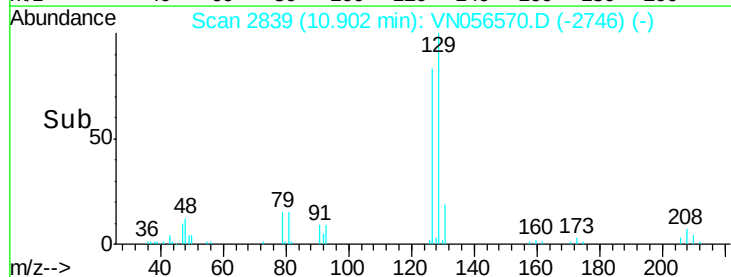
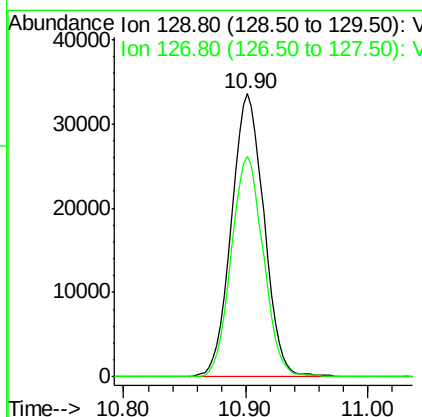
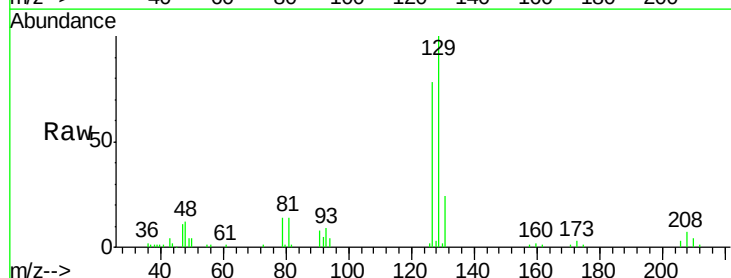
Manual Integrations
APPROVED

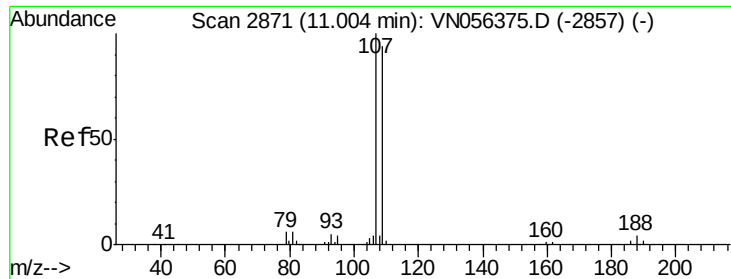
MMDadoda
7/3/2019 9:16:09 AM



#60
Dibromochloromethane
Concen: 19.653 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Tgt Ion: 129 Resp: 62364
Ion Ratio Lower Upper
129 100
127 76.7 38.9 116.7





#61

1,2-Dibromoethane

Concen: 20.220 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD01

Tot Ion: 107 Resp: 69093

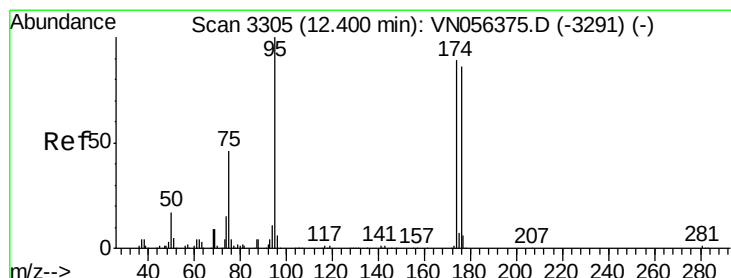
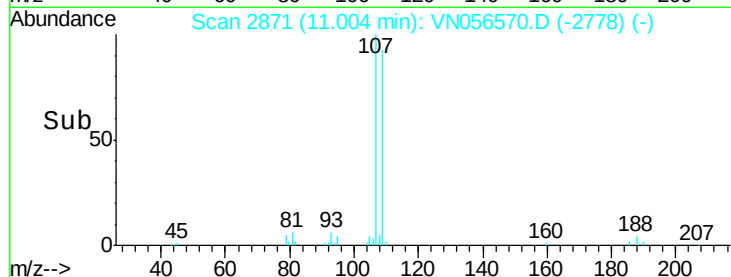
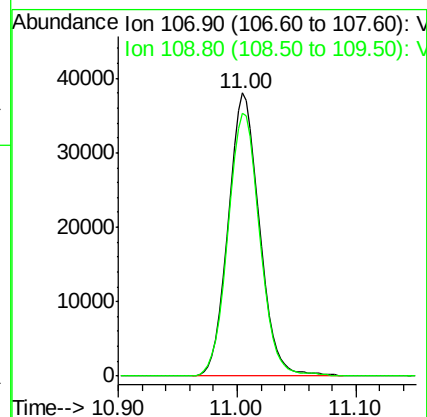
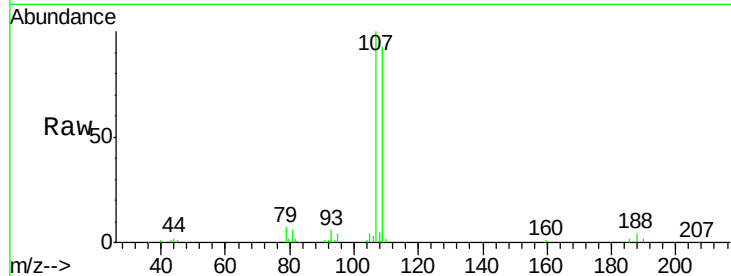
Ion Ratio Lower Upper

107 100

109 94.9 75.3 112.9

Manual Integrations
APPROVED

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7/3/2019 9:16:09 AM



#62

4-Bromofluorobenzene

Concen: 46.556 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

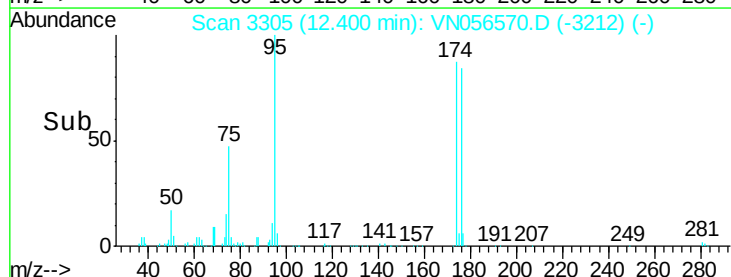
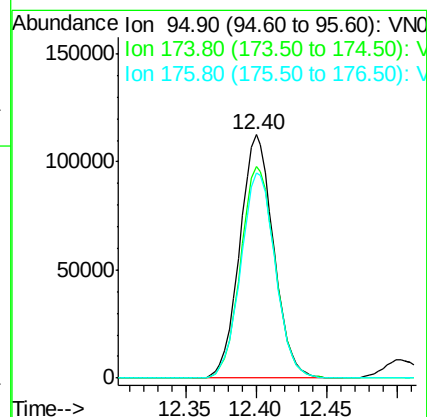
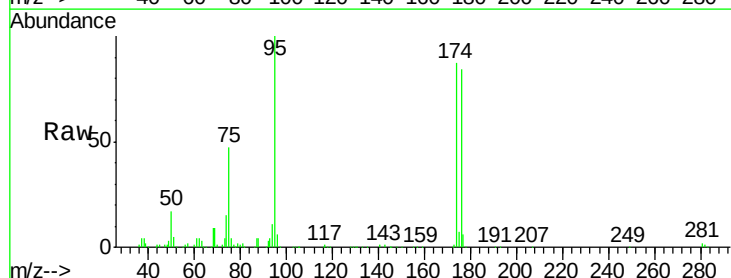
Tgt Ion: 95 Resp: 189431

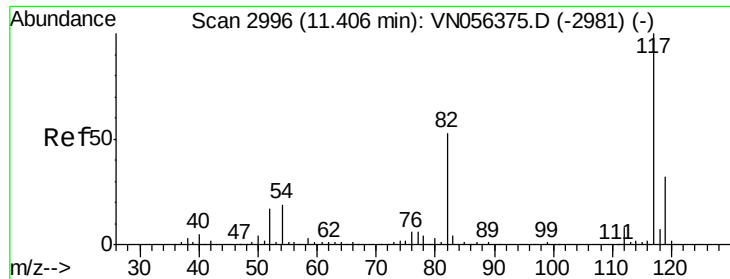
Ion Ratio Lower Upper

95 100

174 88.3 0.0 179.4

176 85.9 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: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD01

Tot Ion:117 Resp: 440882

Ion Ratio Lower Upper

117 100

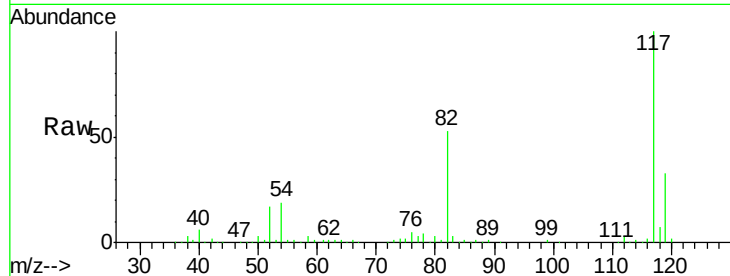
82 52.7 42.0 63.0

119 32.9 25.3 37.9

Manual Integrations
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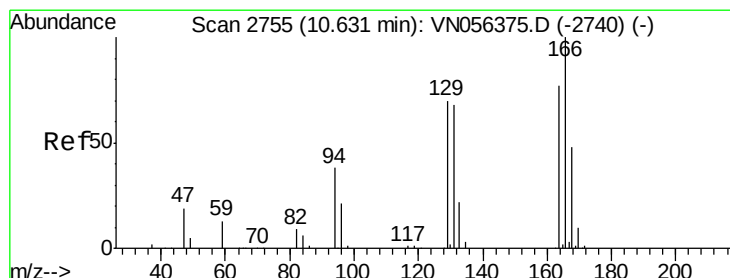
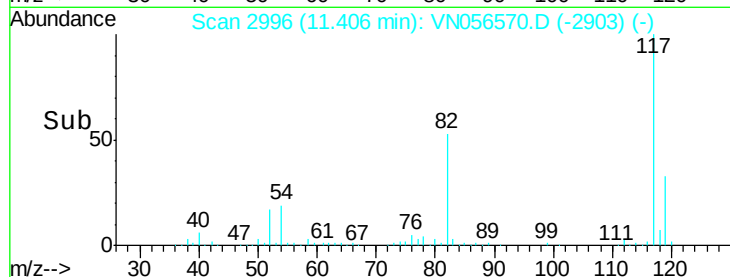
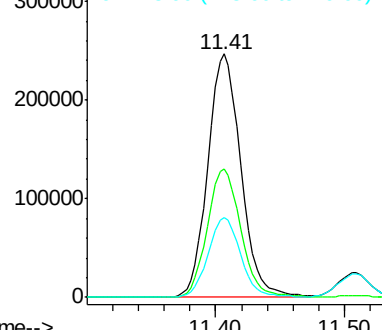
7/3/2019 9:16:09 AM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 19.408 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Tgt Ion:164 Resp: 67762

Ion Ratio Lower Upper

164 100

166 127.8 103.4 155.0

129 89.5 72.0 108.0

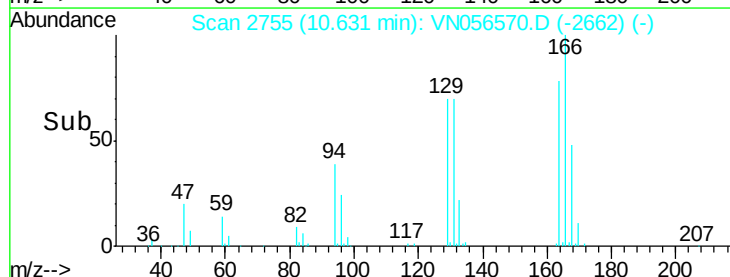
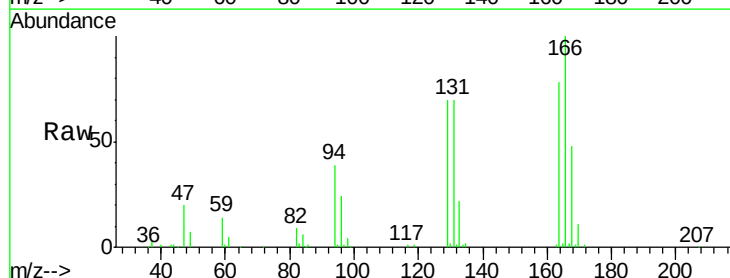
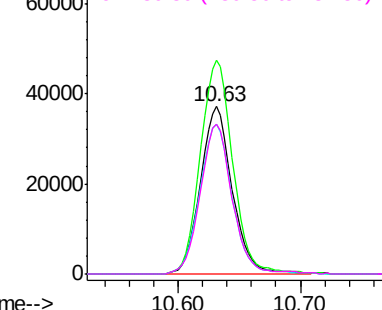
131 89.9 70.2 105.2

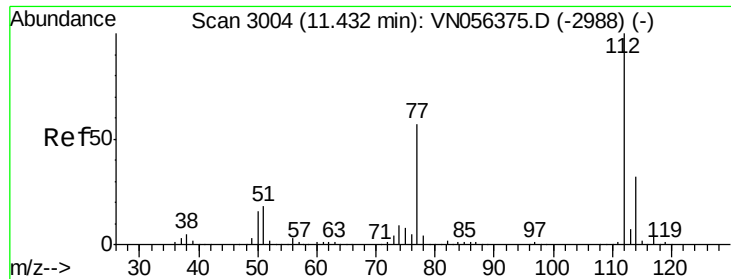
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





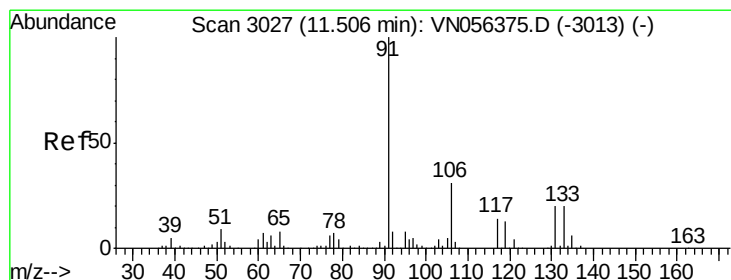
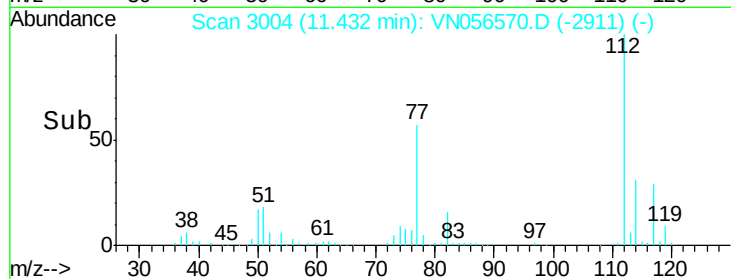
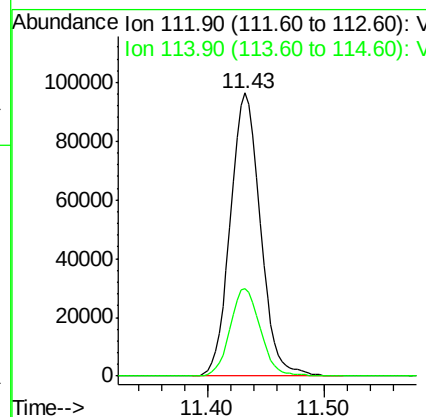
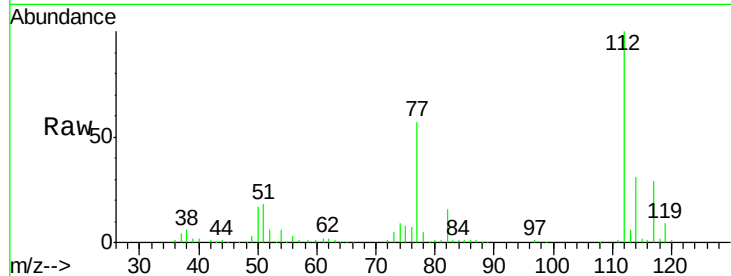
#65
Chlorobenzene
Concen: 19.470 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Instrument :
MSVOA_N
ClientSampled :
VN0701WBSD01

Tot Ion:112 Resp: 172483
Ion Ratio Lower Upper
112 100
114 31.1 25.4 38.2

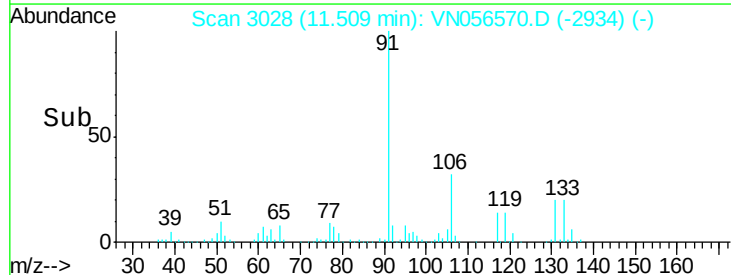
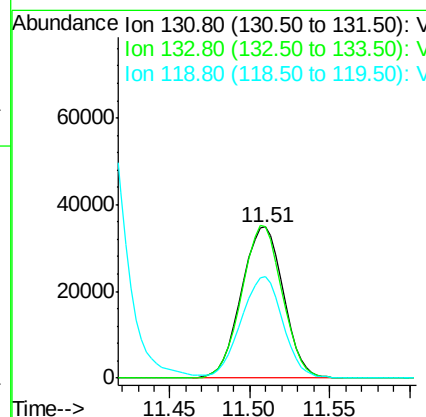
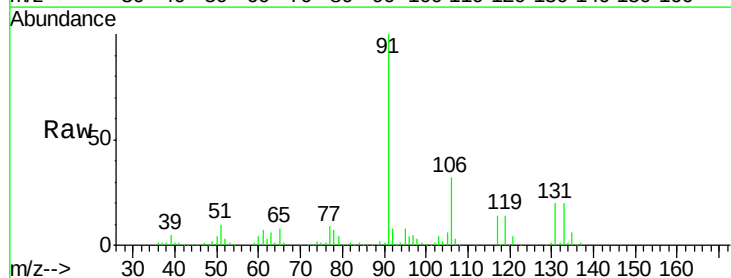
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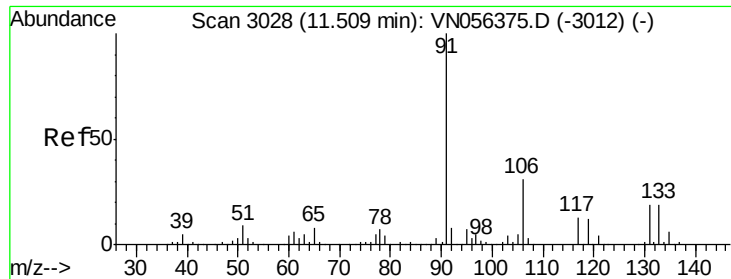
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.927 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Tgt Ion:131 Resp: 62658
Ion Ratio Lower Upper
131 100
133 97.6 47.4 142.2
119 67.2 32.8 98.4





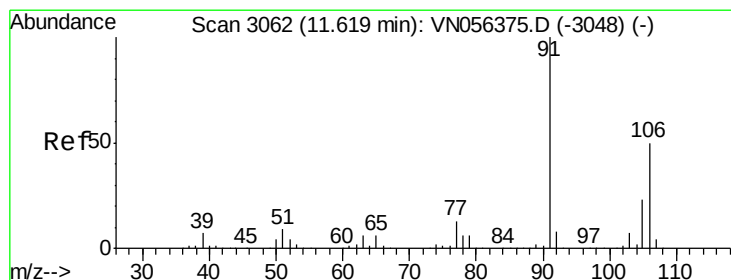
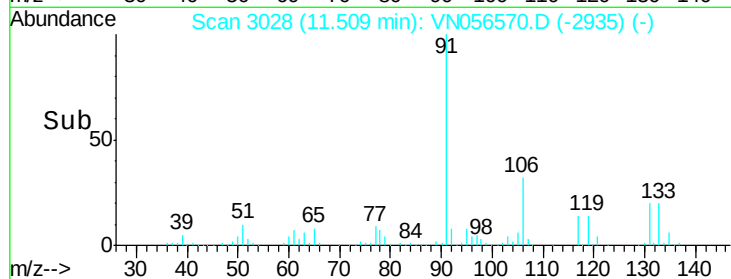
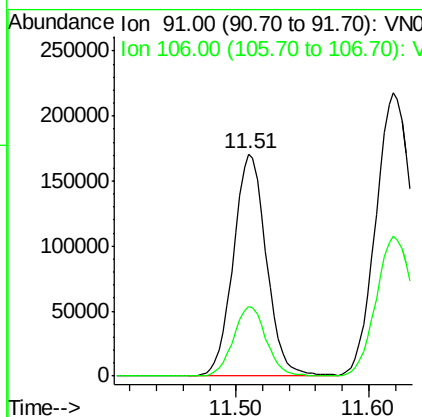
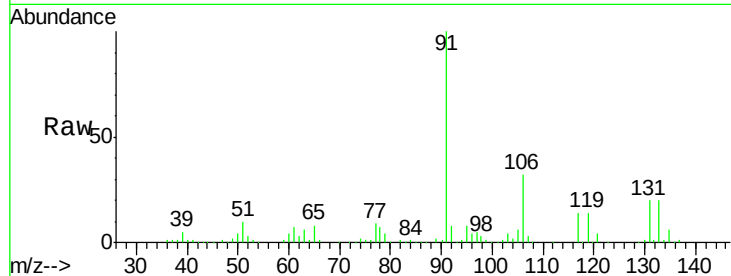
#67
Ethyl Benzene
Concen: 18.968 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Instrument :
MSVOA_N
ClientSampled :
VN0701WBSD01

Tot Ion: 91 Resp: 295054
Ion Ratio Lower Upper
91 100
106 31.5 25.1 37.7

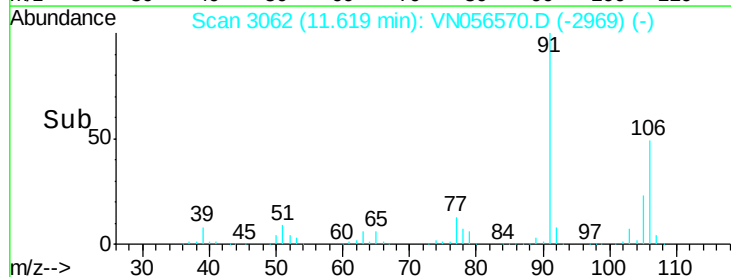
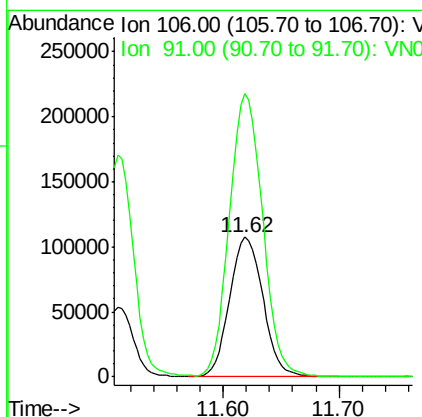
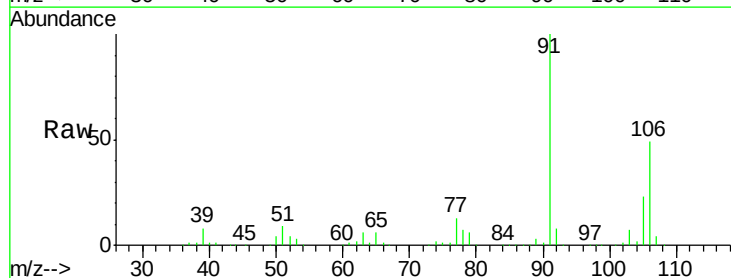
Manual Integrations
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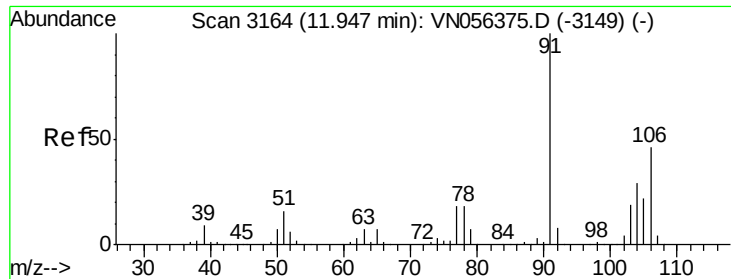
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#68
m/p-Xylenes
Concen: 37.752 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Tgt Ion: 106 Resp: 215208
Ion Ratio Lower Upper
106 100
91 200.8 160.1 240.1





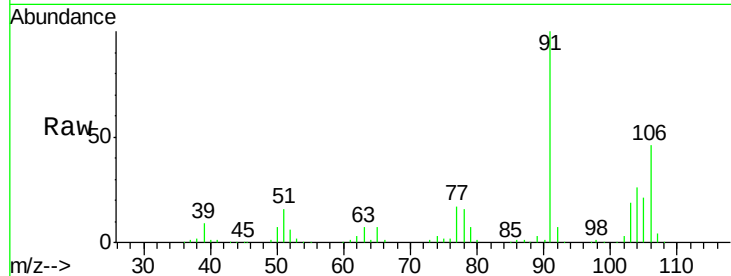
#69
o-Xylene
Concen: 18.974 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBSD01

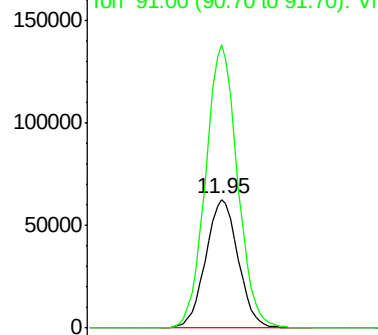
Tot Ion:106 Resp: 107009
Ion Ratio Lower Upper
106 100
91 215.7 107.1 321.3

Manual Integrations
APPROVED

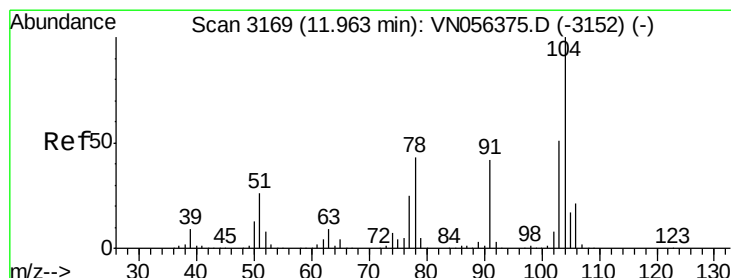
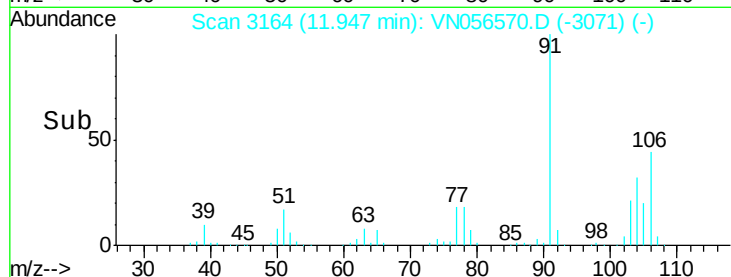
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Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

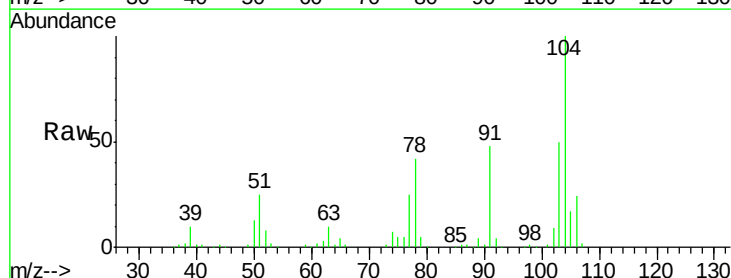


Time-->

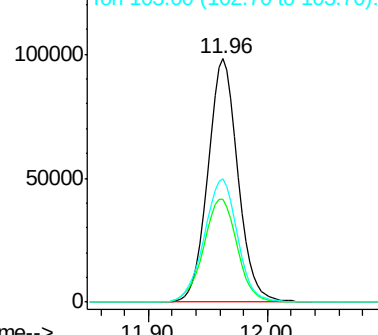


#70
Styrene
Concen: 19.057 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

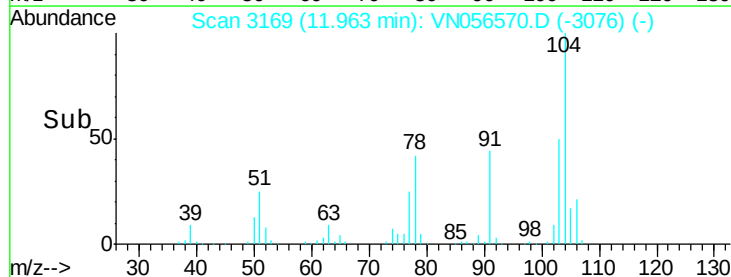
Tgt Ion:104 Resp: 171789
Ion Ratio Lower Upper
104 100
78 47.4 38.6 57.8
103 55.9 43.9 65.9

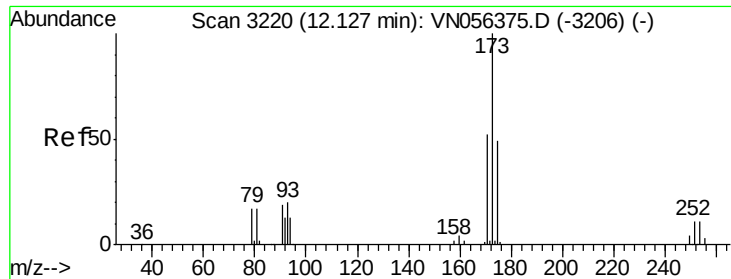


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V



Time-->





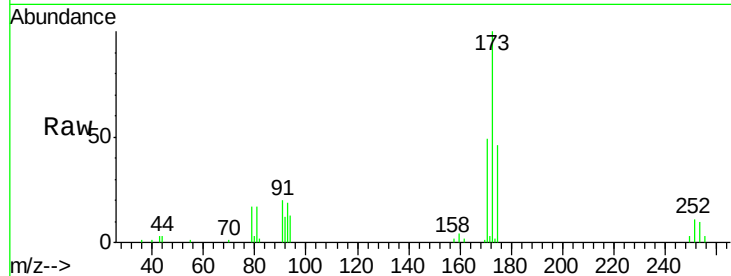
#71
Bromoform
Concen: 19.052 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBSD01

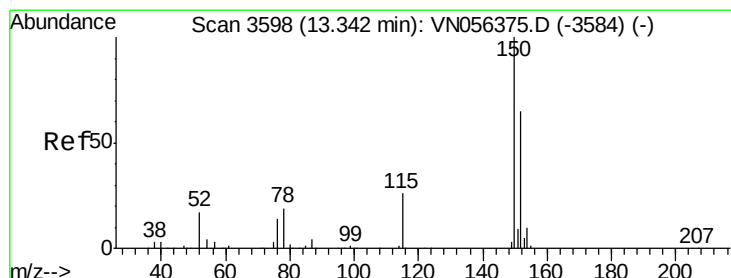
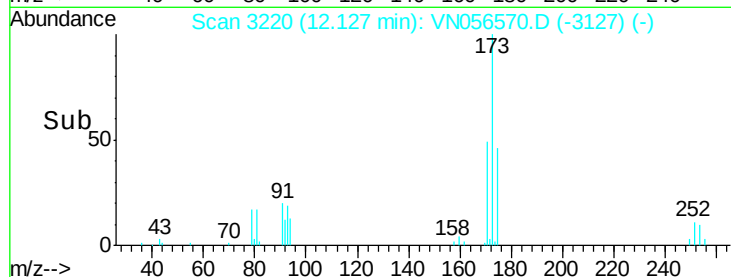
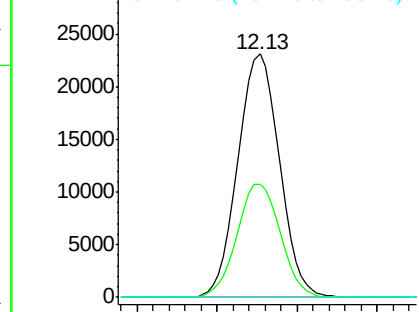
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.4	73.4
254	0.0	0.0	0.0

Manual Integrations
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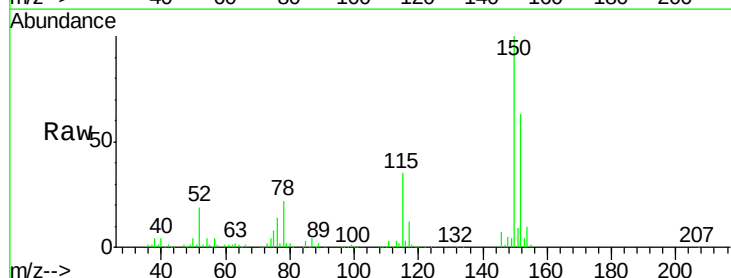


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

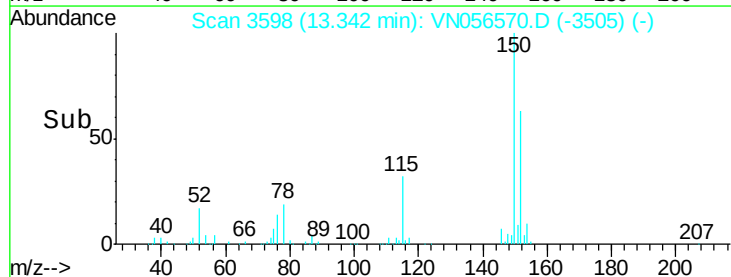
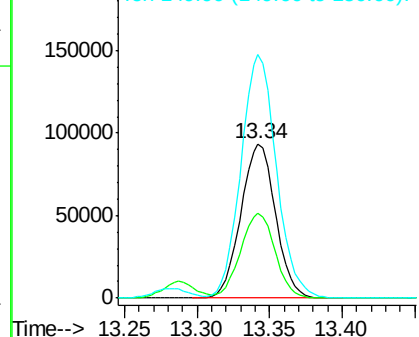


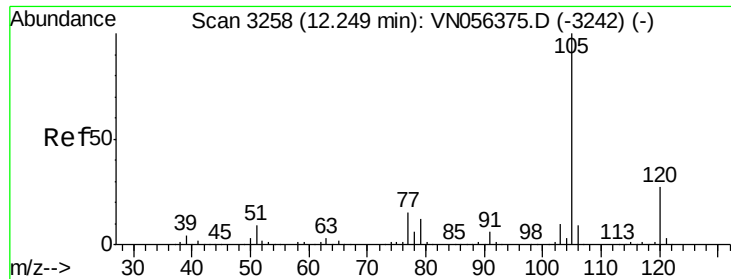
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	28.1	84.4
150	161.7	0.0	348.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.042 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampled :

VN0701WBSD01

Tot Ion: 105 Resp: 285863

Ion Ratio Lower Upper

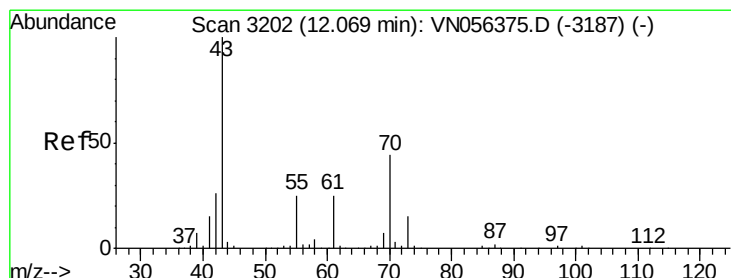
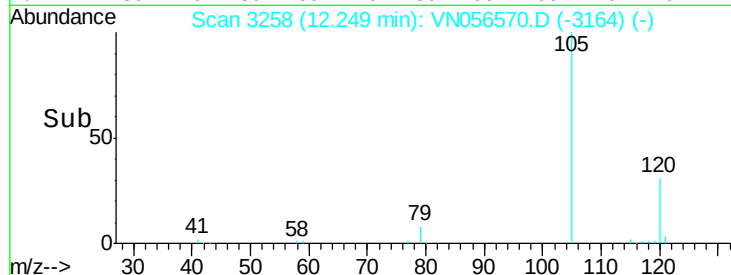
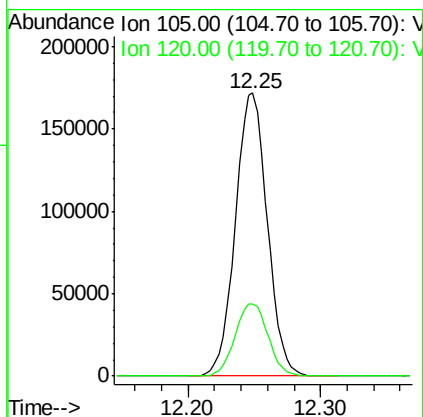
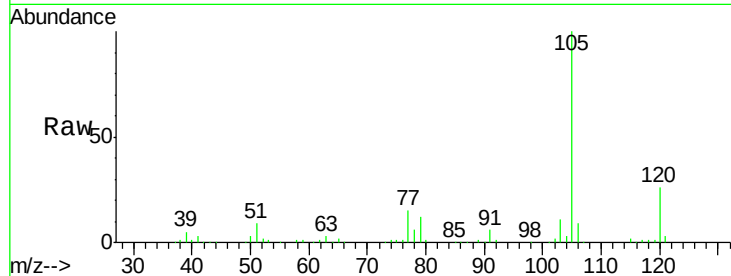
105 100

120 26.5 13.4 40.2

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#74

N-ethyl acetate

Concen: 21.670 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Tgt Ion: 43 Resp: 107172

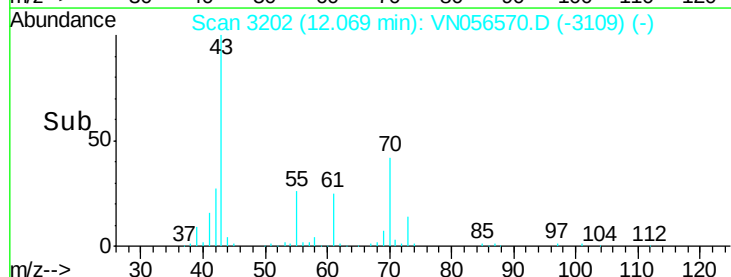
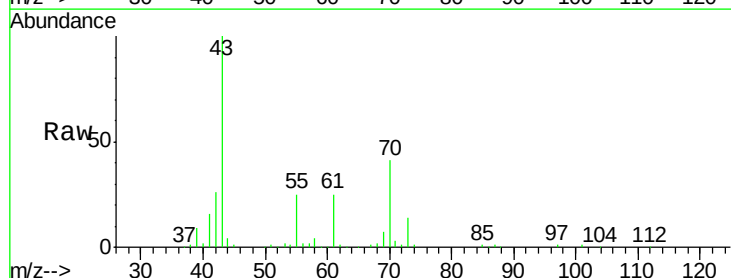
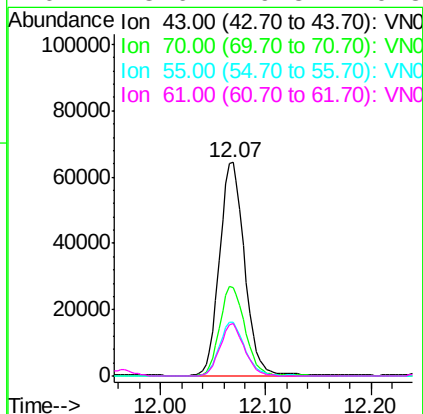
Ion Ratio Lower Upper

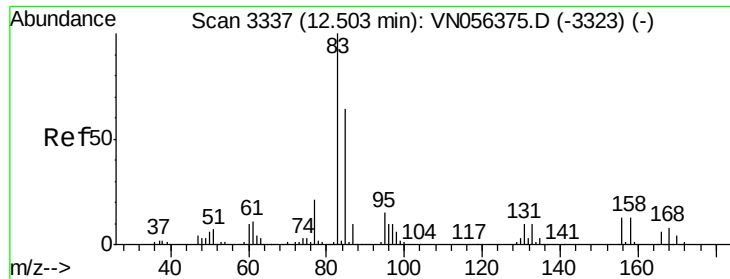
43 100

70 41.8 34.9 52.3

55 25.3 20.4 30.6

61 23.6 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 24.511 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

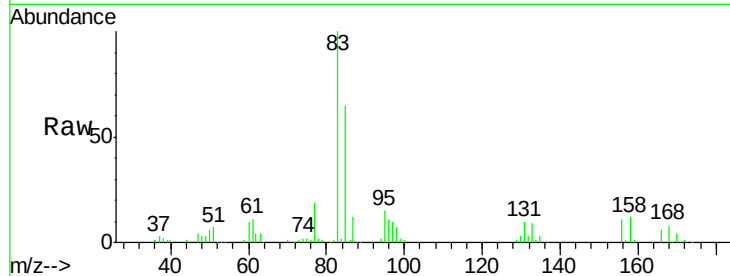
ClientSampleId :

VN0701WBSD01

Tot Ion:	83	Resp:	94233
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.3	15.8
85	65.0	32.4	97.0

Manual Integrations
APPROVED

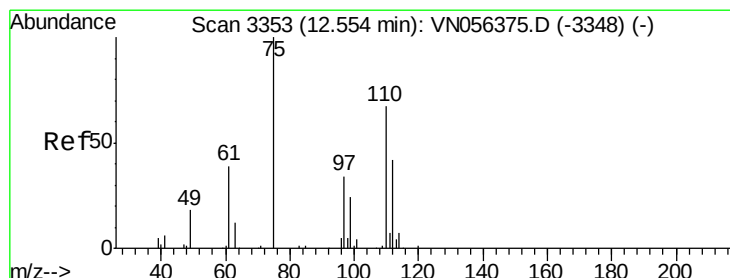
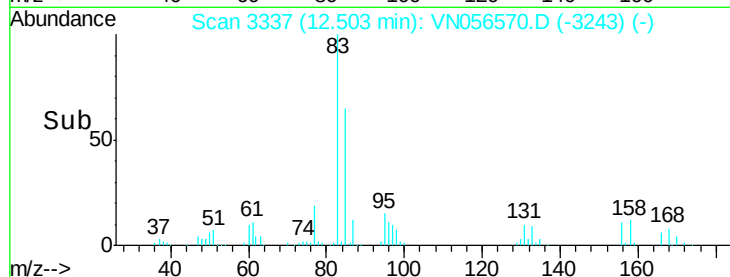
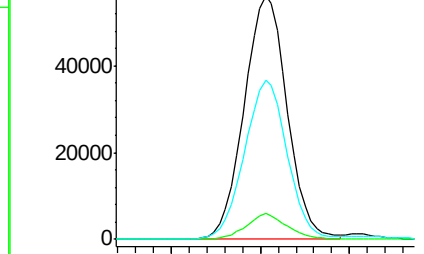
MMDadoda
7/3/2019 9:16:09 AM



Abundance Ion 82.90 (82.60 to 83.60): VN056570.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN056570.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN056570.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 25.319 ug/l m

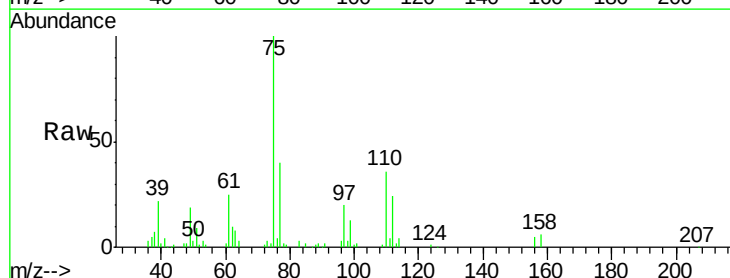
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056570.D

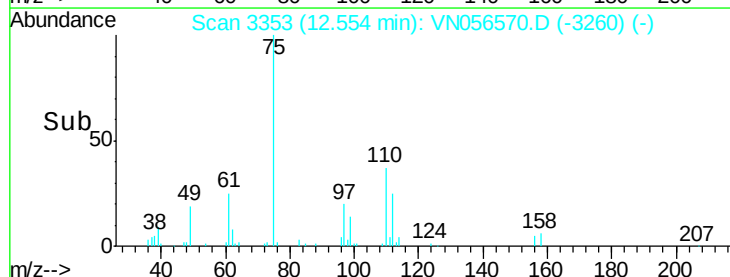
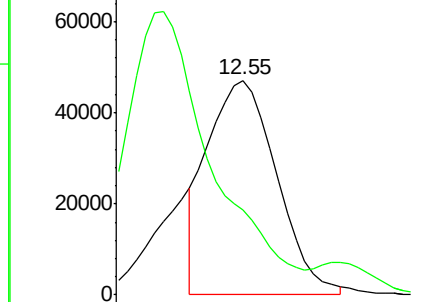
Acq: 1 Jul 2019 14:24

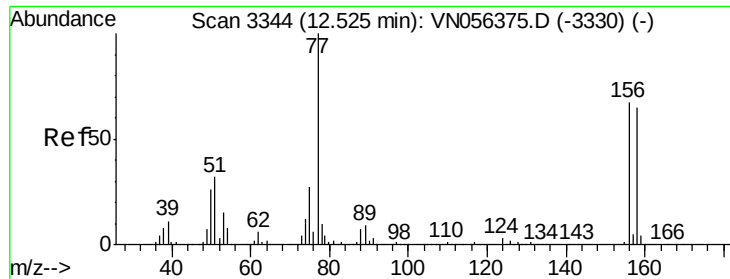
Tgt Ion:	75	Resp:	81582
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056570.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN056570.D (-3260) (-)





#77

Bromobenzene

Concen: 20.862 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

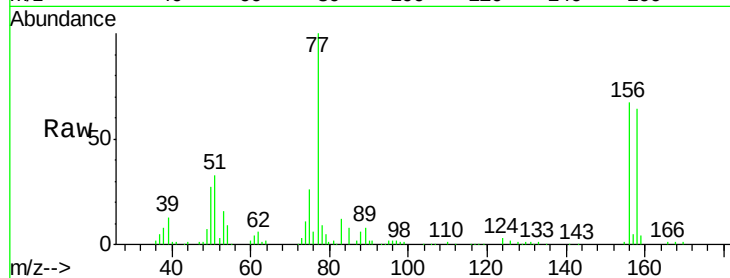
ClientSampleId :

VN0701WBSD01

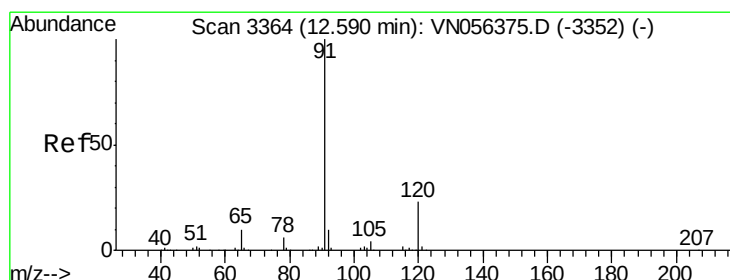
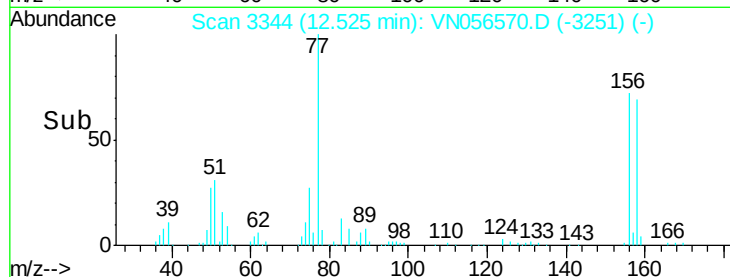
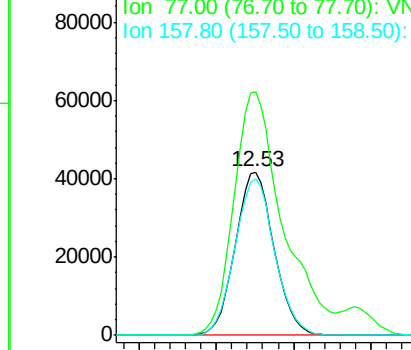
Tot Ion:	156	Resp:	72491
Ion Ratio	Lower	Upper	
156	100		
77	189.3	92.5	277.3
158	98.2	48.7	146.1

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.286 ug/l

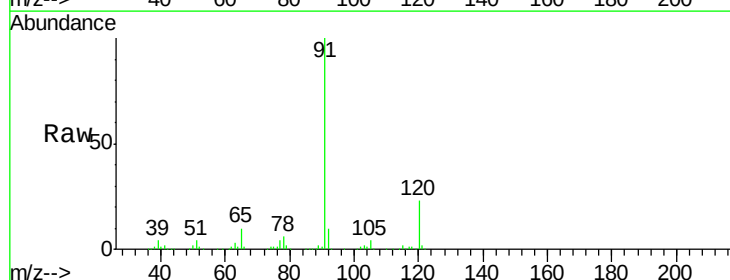
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

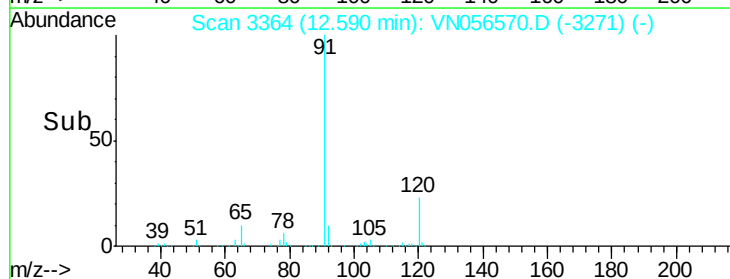
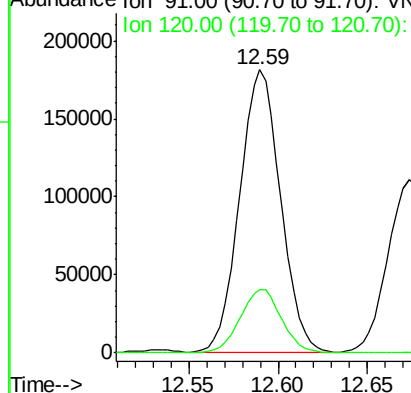
Lab File: VN056570.D

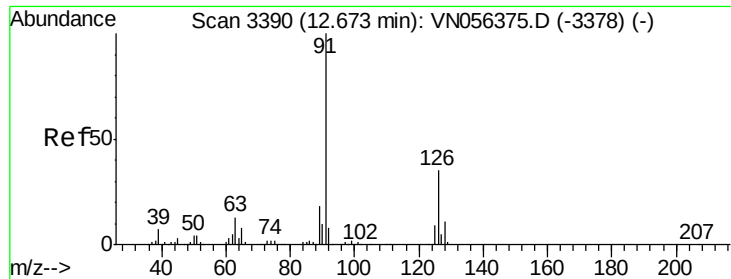
Acq: 1 Jul 2019 14:24

Tgt Ion:	91	Resp:	288685
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.518 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampled :

VN0701WBSD01

Tot Ion: 91 Resp: 186565

Ion Ratio Lower Upper

91 100

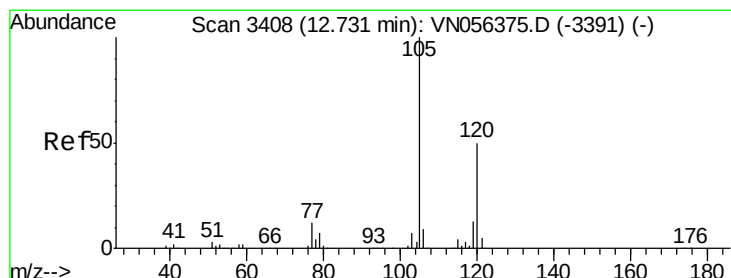
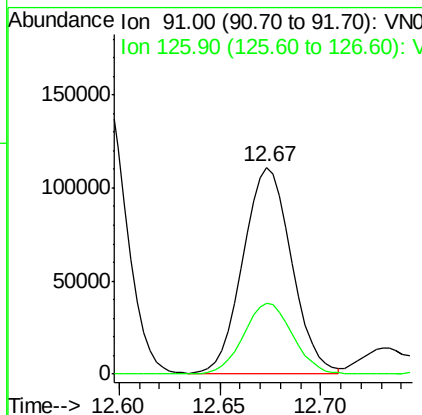
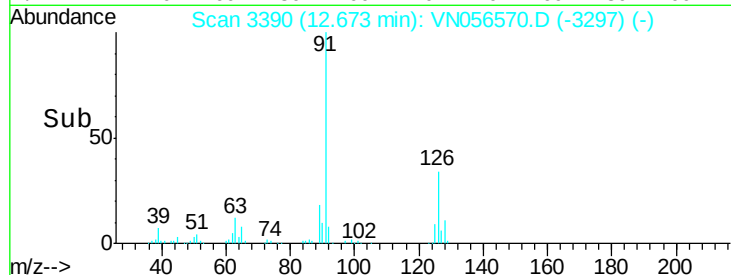
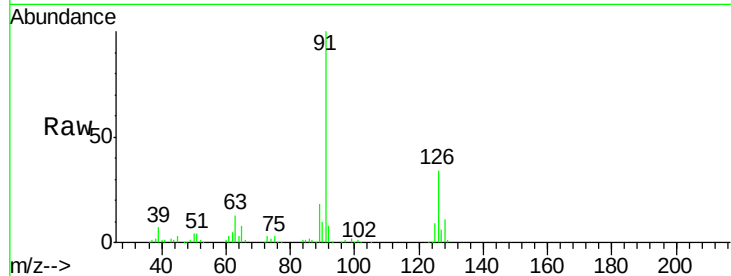
126 34.8 17.6 52.8

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#80

1,3,5-Trimethylbenzene

Concen: 21.611 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056570.D

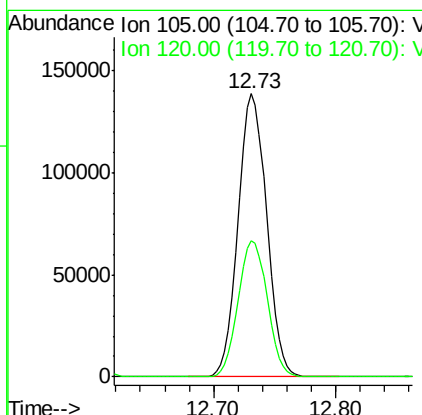
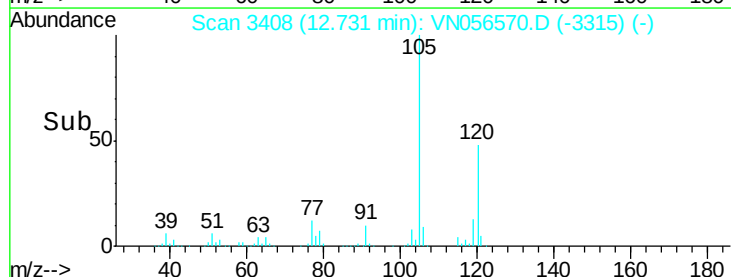
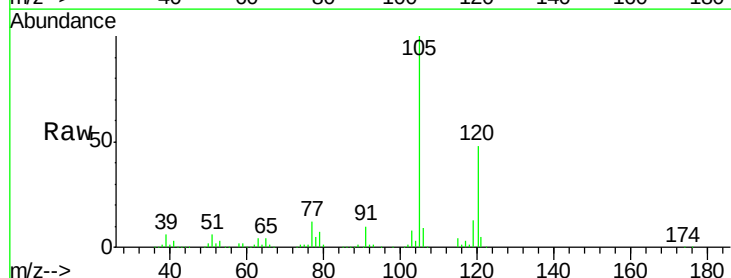
Acq: 1 Jul 2019 14:24

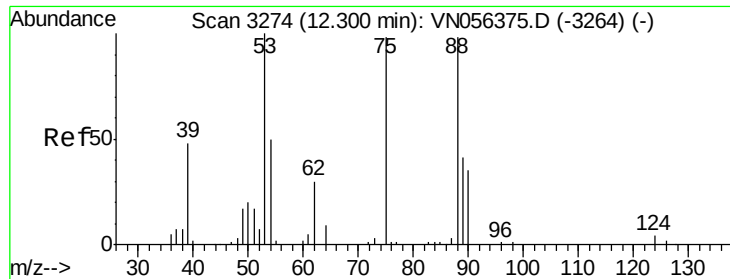
Tgt Ion: 105 Resp: 223896

Ion Ratio Lower Upper

105 100

120 49.1 24.8 74.4





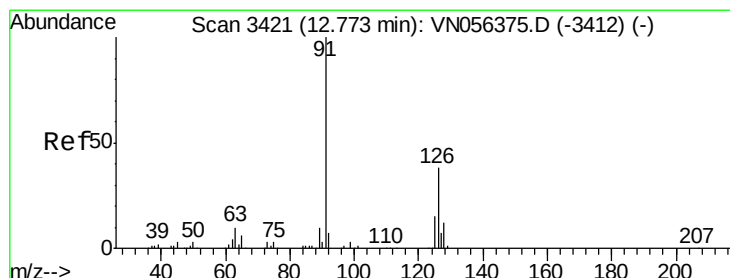
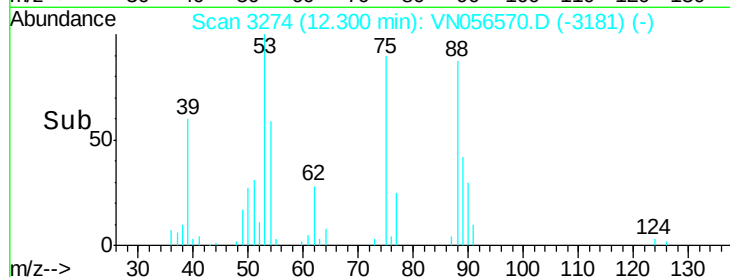
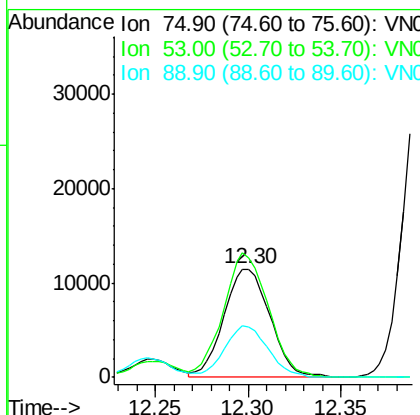
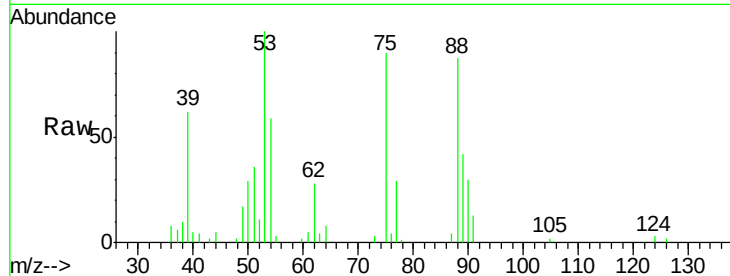
#81
trans-1,4-Dichloro-2-butene
Concen: 21.939 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.1	83.9	125.9
89	44.5	35.0	52.6

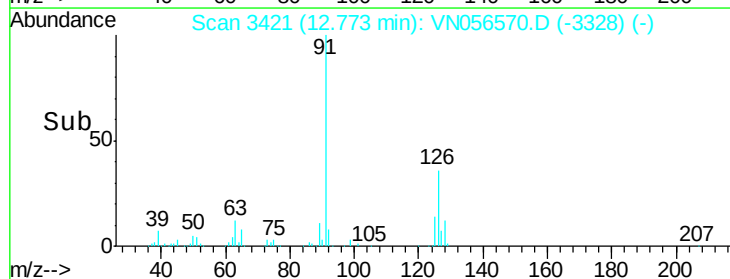
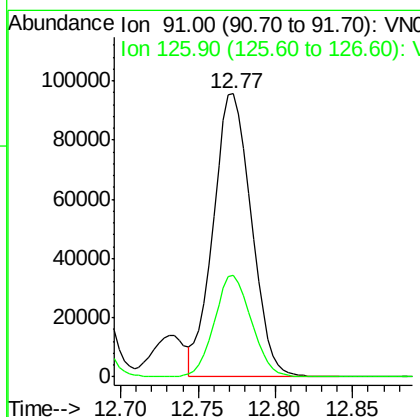
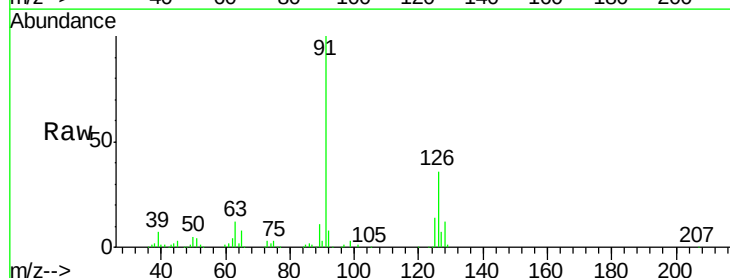
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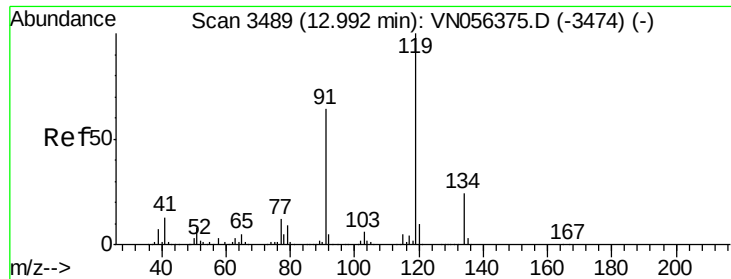
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#82
4-Chlorotoluene
Concen: 19.583 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056570.D
Acq: 1 Jul 2019 14:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.3	52.0





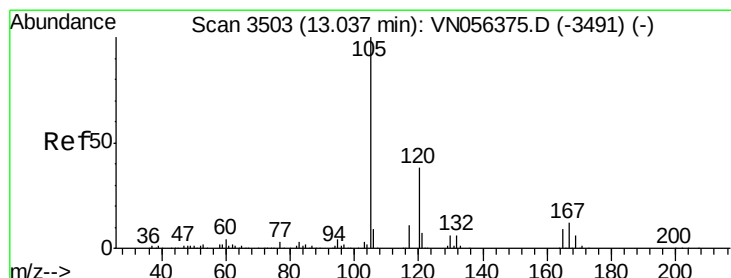
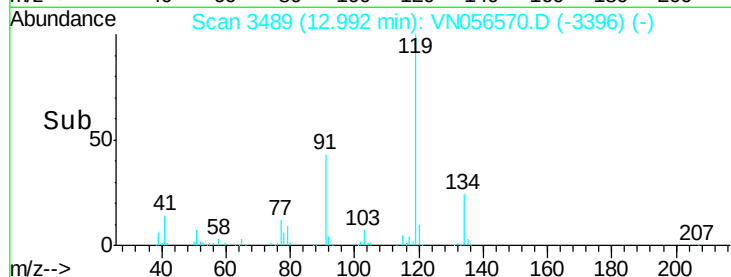
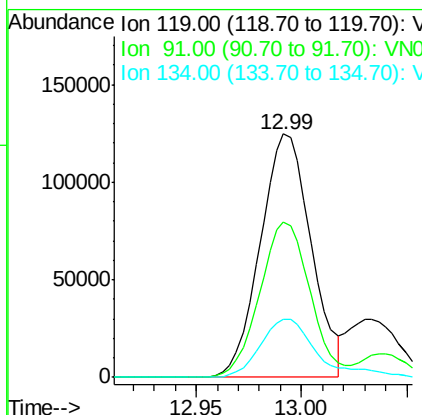
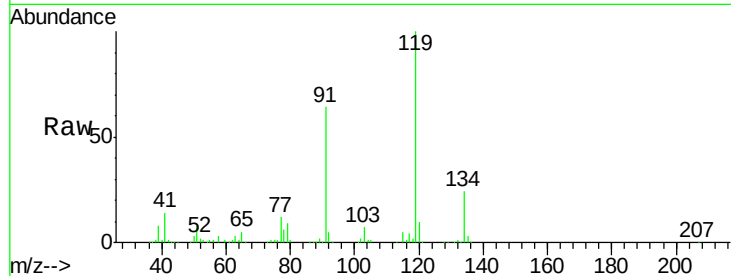
#83
 tert-Butylbenzene
 Concen: 23.035 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.0	31.6	94.7
134	26.8	13.2	39.5

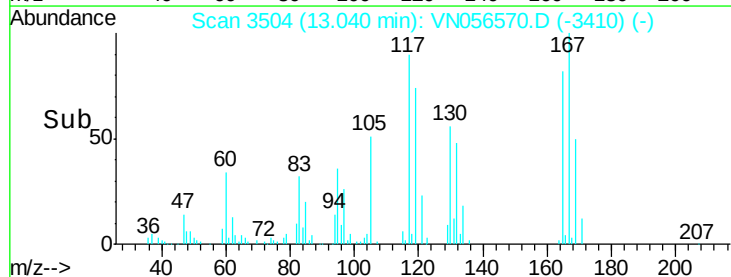
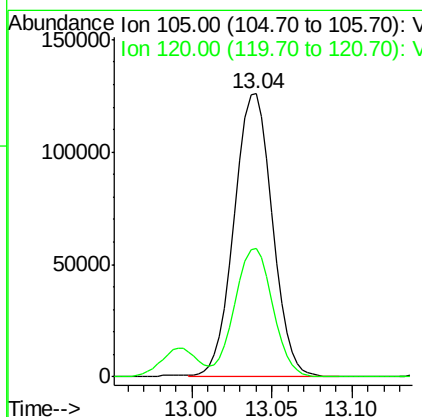
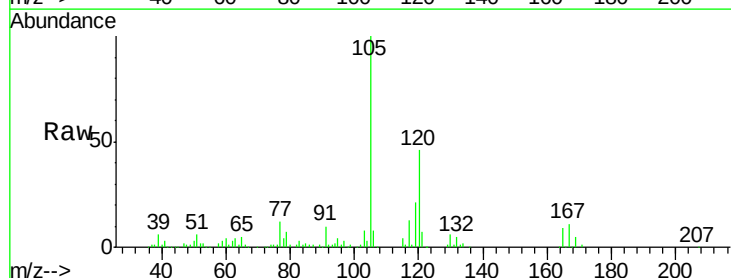
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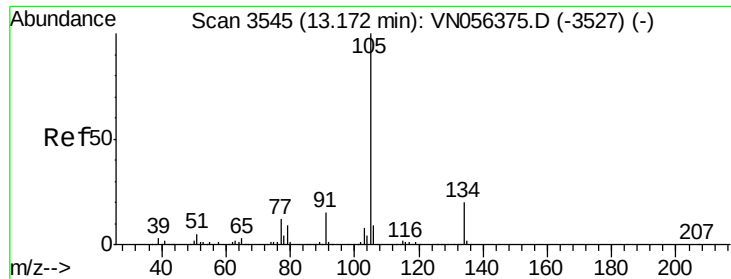
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.547 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.9	68.8





#85

sec-Butylbenzene

Concen: 20.291 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

ClientSampled :

VN0701WBSD01

Tot Ion:105 Resp: 253804

Ion Ratio Lower Upper

105 100

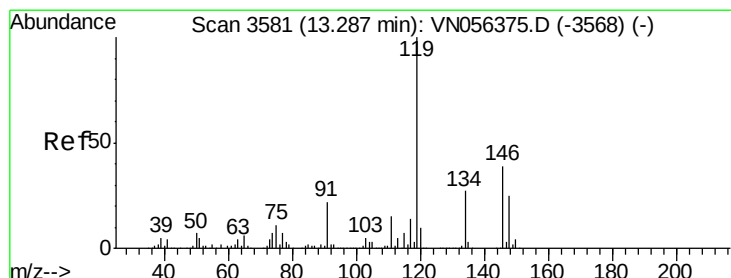
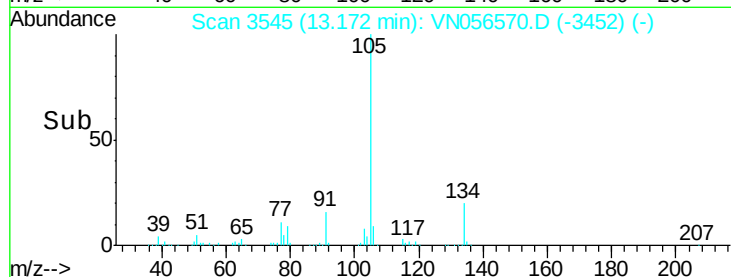
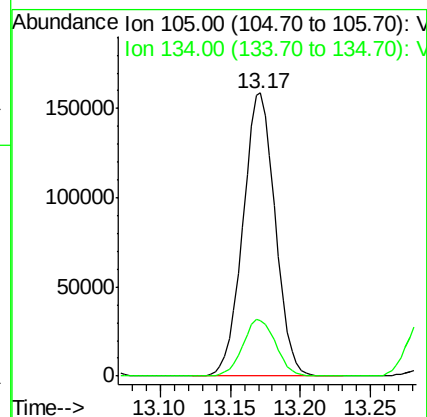
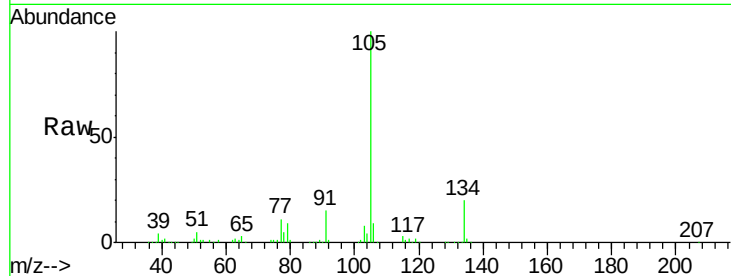
134 20.4 10.2 30.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 18.908 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

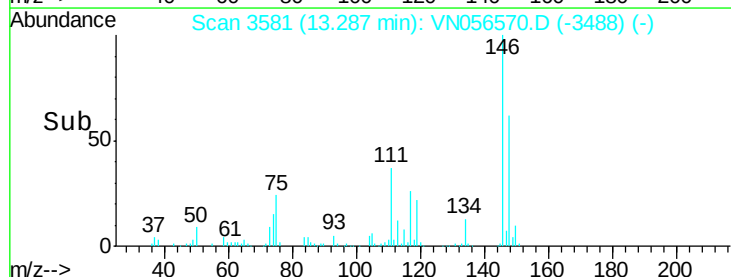
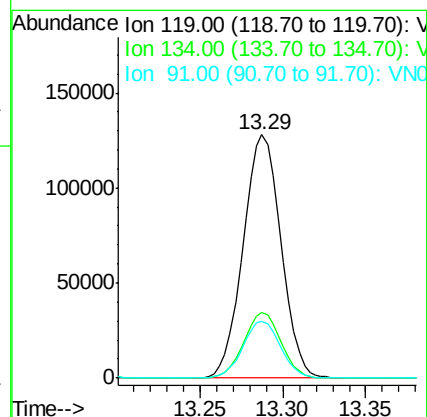
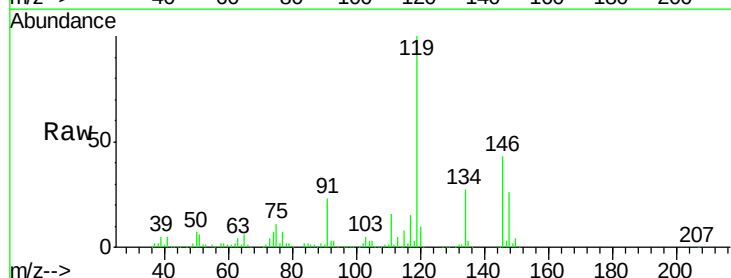
Tgt Ion:119 Resp: 202967

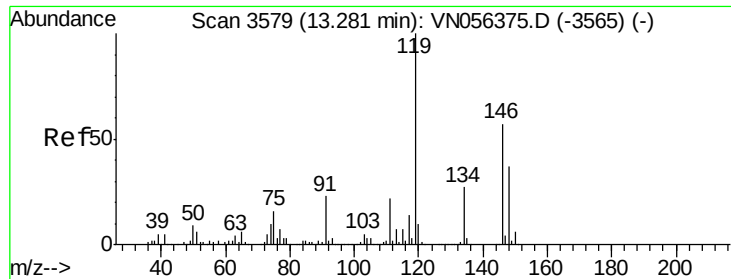
Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.4

91 23.2 11.2 33.5





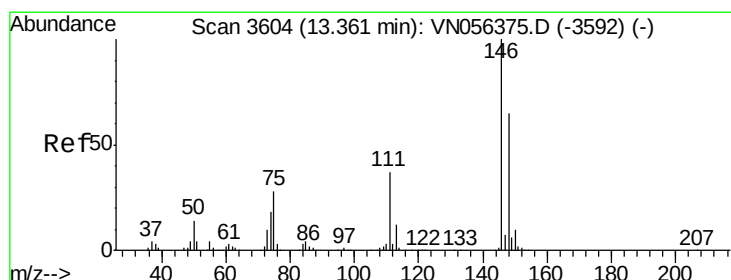
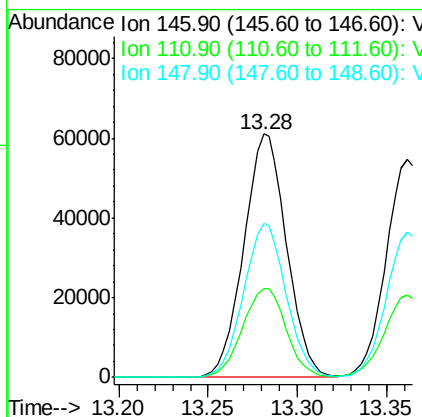
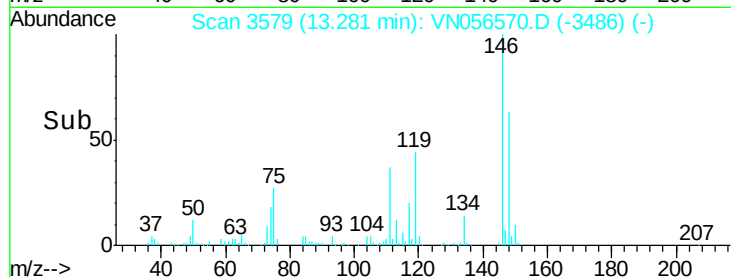
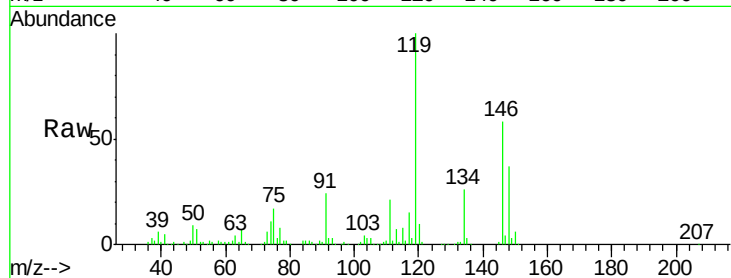
#87
 1,3-Dichlorobenzene
 Concen: 19.415 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0701WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.9	56.9
148	63.0	32.1	96.5

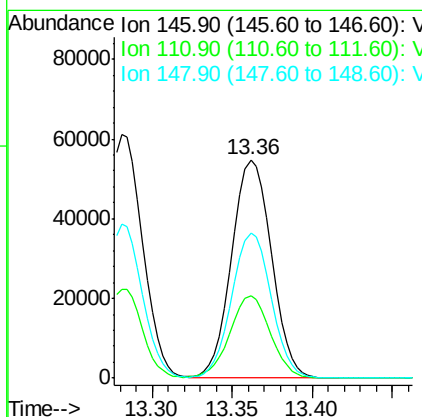
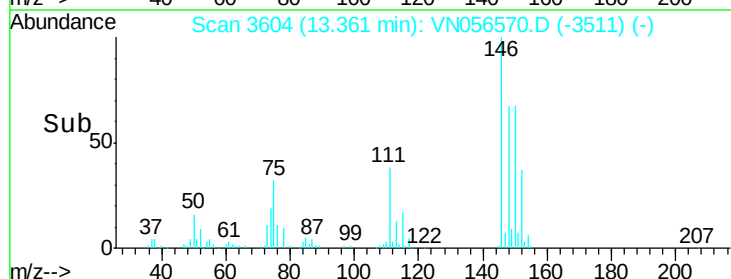
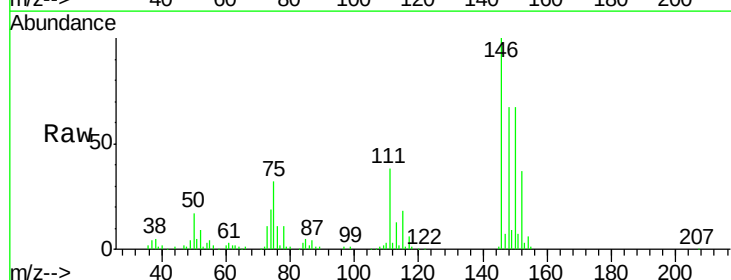
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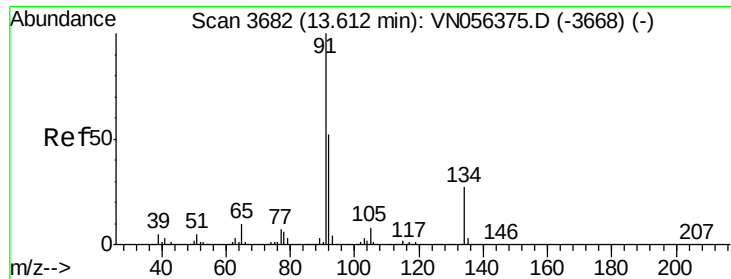
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#88
 1,4-Dichlorobenzene
 Concen: 18.299 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.4	55.4
148	65.9	32.4	97.0





#89

n-Butylbenzene

Concen: 16.553 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

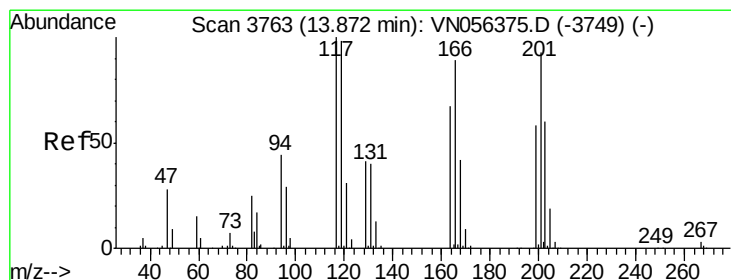
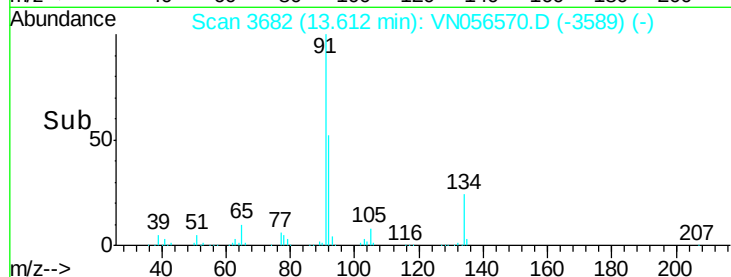
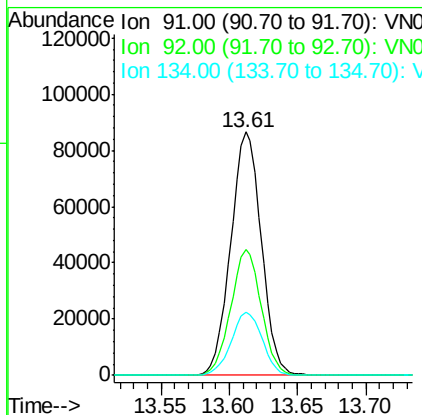
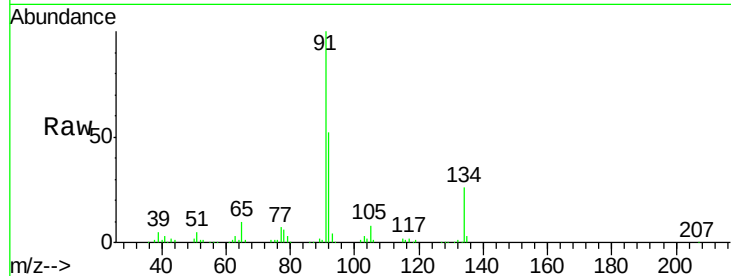
ClientSampled :

VN0701WBSD01

Tot Ion:	91	Resp:	134516
Ion Ratio	Lower	Upper	
91	100		
92	51.4	26.2	78.5
134	26.5	13.4	40.2

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#90

Hexachloroethane

Concen: 22.029 ug/l

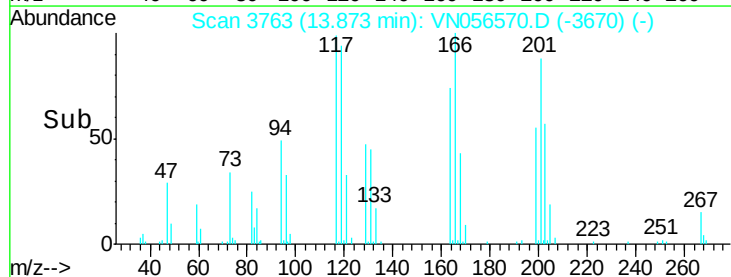
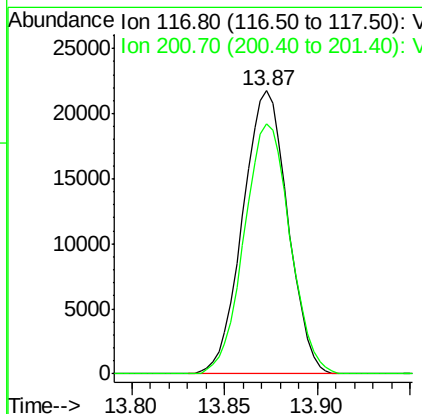
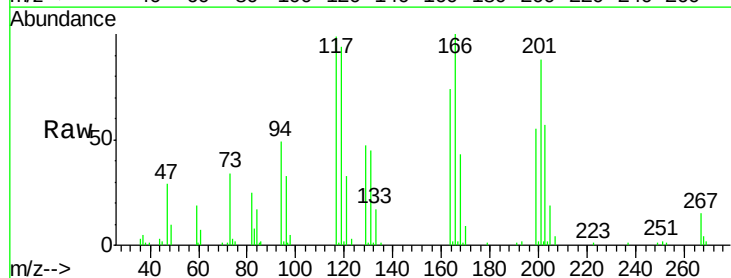
RT: 13.87 min Scan# 3763

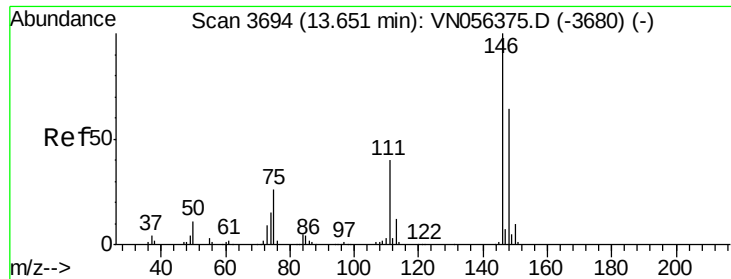
Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Tgt Ion:	117	Resp:	36867
Ion Ratio	Lower	Upper	
117	100		
201	89.7	45.9	137.6





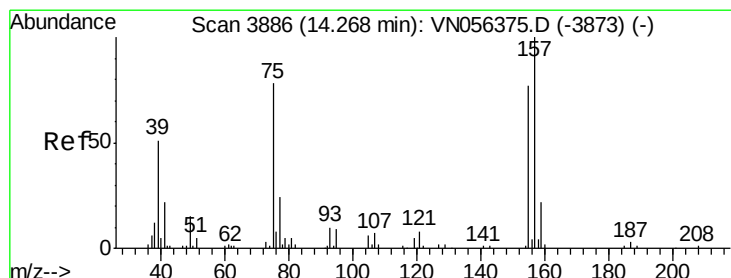
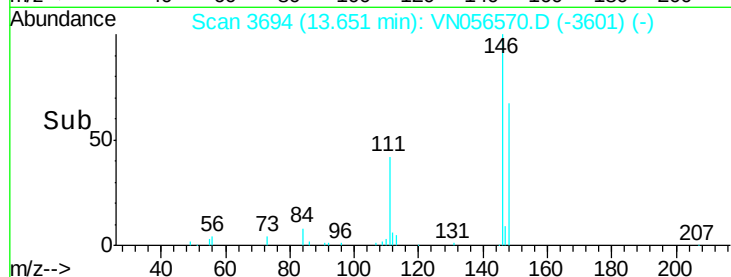
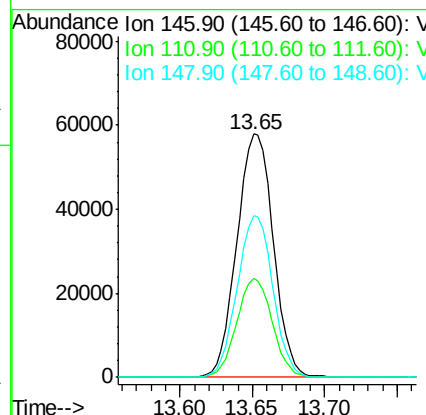
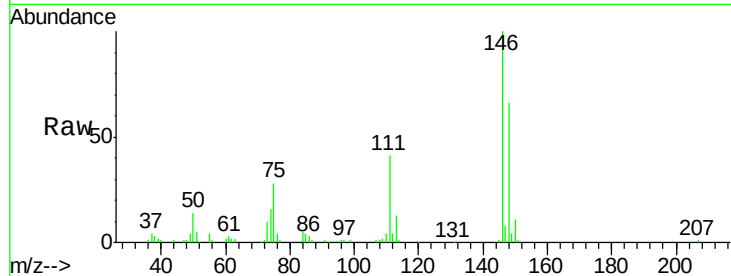
#91
 1,2-Dichlorobenzene
 Concen: 19.414 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0701WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.3	57.9
148	64.9	32.0	96.0

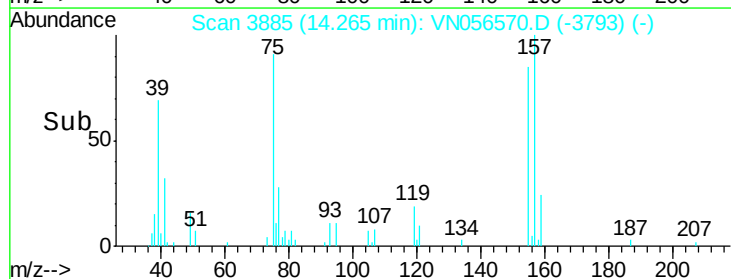
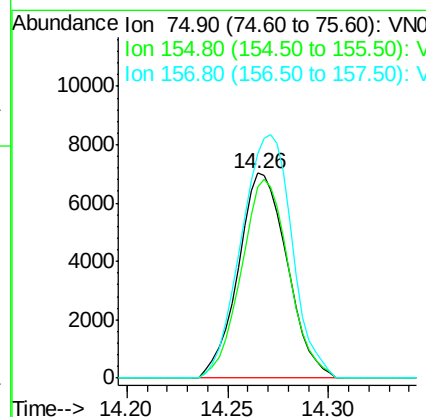
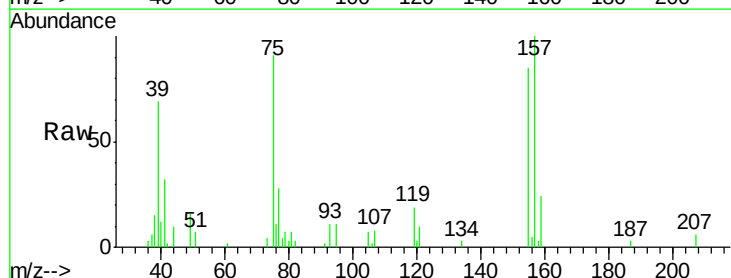
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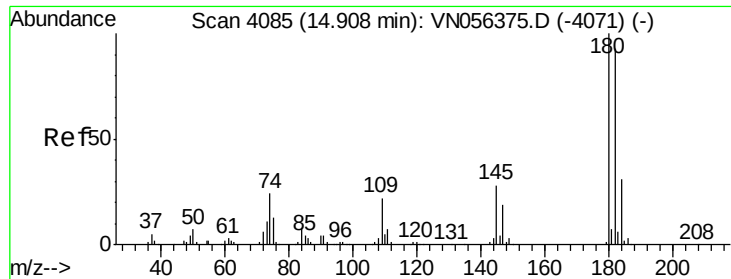
MMDadoda
 7/3/2019 9:16:09 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.765 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.1	48.9	146.8
157	123.2	62.9	188.8





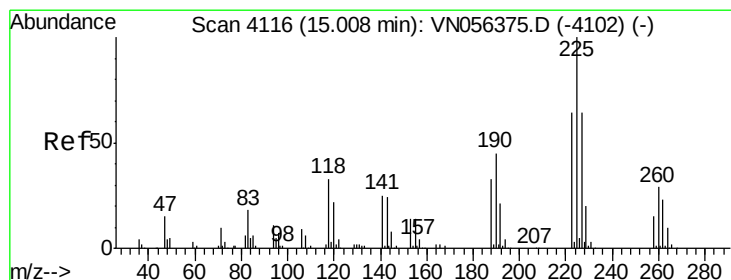
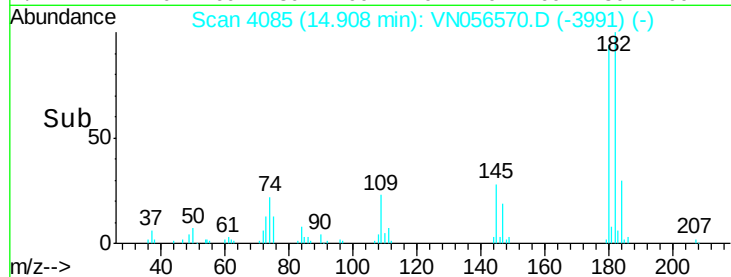
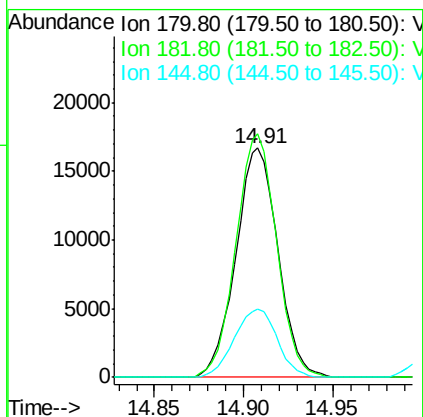
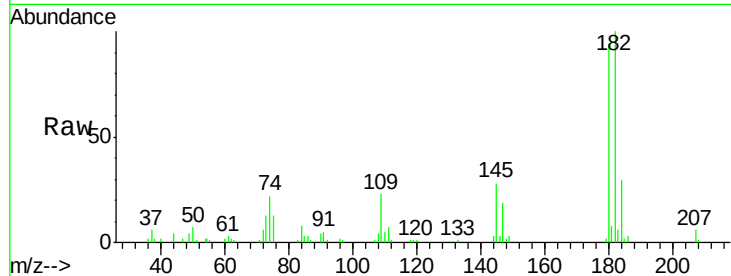
#93
 1,2,4-Trichlorobenzene
 Concen: 14.553 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	102.3	46.9	140.6
145	30.4	14.4	43.0

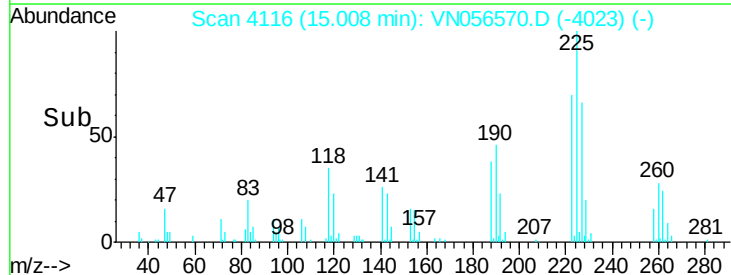
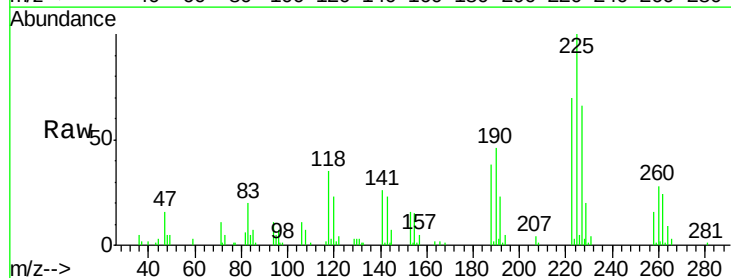
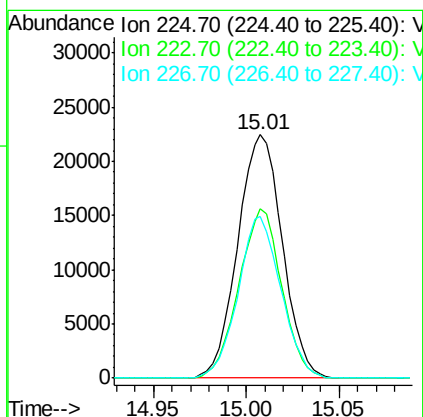
Manual Integrations
 APPROVED

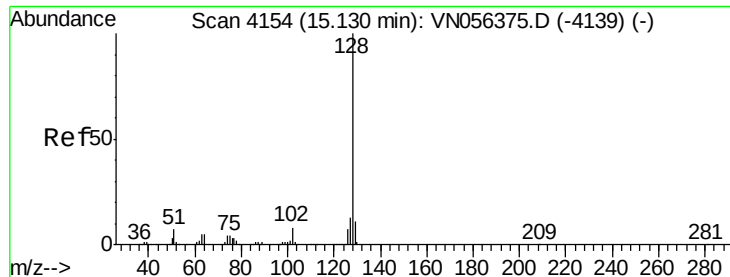
MMDadoda
 7/3/2019 9:16:09 AM



#94
 Hexachlorobutadiene
 Concen: 20.096 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056570.D
 Acq: 1 Jul 2019 14:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.7	31.4	94.3
227	63.6	32.1	96.3





#95

Naphthalene

Concen: 15.550 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Instrument :

MSVOA_N

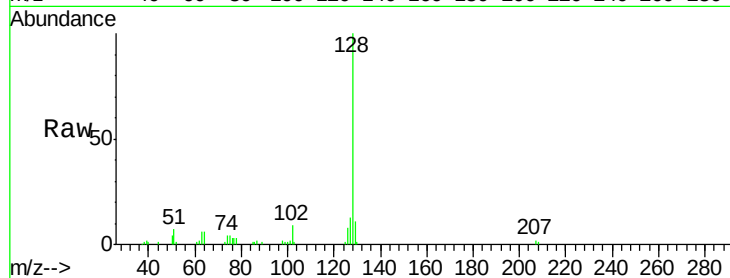
ClientSampleId :

VN0701WBSD01

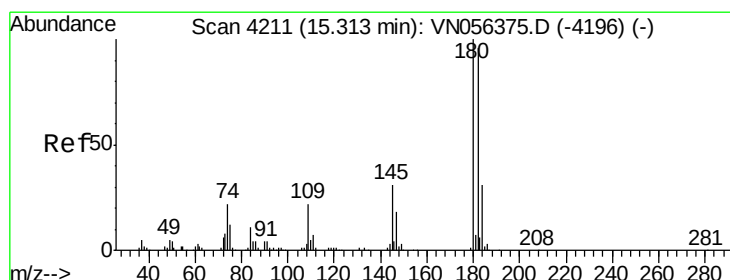
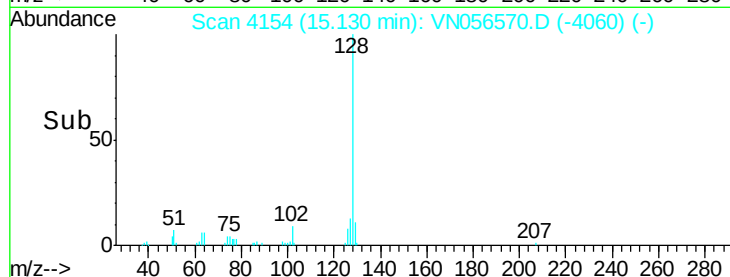
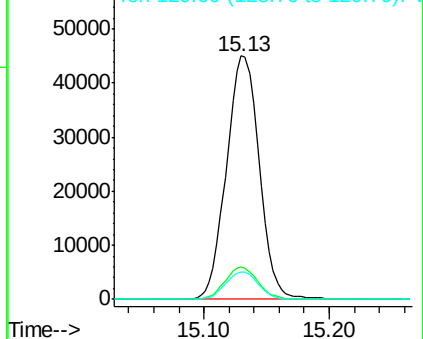
Tot Ion:	128	Resp:	81861
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.2
129	11.1	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
7/3/2019 9:16:09 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 15.393 ug/l

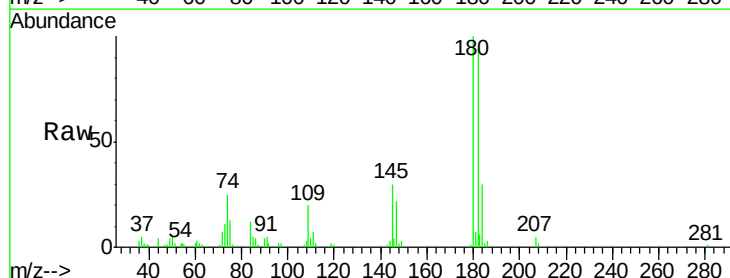
RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056570.D

Acq: 1 Jul 2019 14:24

Tgt Ion:	180	Resp:	33788
Ion Ratio	Lower	Upper	
180	100		
182	94.9	48.3	144.8
145	29.4	15.4	46.1



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

