

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062019\
 Data File : VN056388.D
 Acq On : 20 Jun 2019 9:25
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/21/2019 10:50:30 PM

Quant Time: Jun 21 04:37:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	395636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	603186	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	525903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	223482	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	218381	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
35) Dibromofluoromethane	7.59	113	191353	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
50) Toluene-d8	10.09	98	723362	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
62) 4-Bromofluorobenzene	12.40	95	245944	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	169224	50.514	ug/l	98
3) Chloromethane	2.06	50	212912	46.676	ug/l	100
4) Vinyl Chloride	2.19	62	214728	48.739	ug/l	99
5) Bromomethane	2.56	94	139221	53.903	ug/l	98
6) Chloroethane	2.70	64	126853	49.720	ug/l	99
7) Trichlorofluoromethane	3.01	101	287820	50.504	ug/l	99
8) Diethyl Ether	3.41	74	117353	48.656	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	181394	49.912	ug/l	100
10) Methyl Iodide	3.95	142	245894	50.060	ug/l	100
11) Tert butyl alcohol	4.79	59	174712	236.569	ug/l	98
12) 1,1-Dichloroethene	3.73	96	173813	49.732	ug/l	96
13) Acrolein	3.60	56	145123	233.151	ug/l	100
14) Allyl chloride	4.32	41	299920	51.551	ug/l	99
15) Acrylonitrile	4.99	53	536339	262.509	ug/l	99
16) Acetone	3.82	43	605107	275.439	ug/l	100
17) Carbon Disulfide	4.05	76	413588	52.028	ug/l	100
18) Methyl Acetate	4.32	43	221807	51.577	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	585469	50.625	ug/l	100
20) Methylene Chloride	4.55	84	202168	48.795	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	187822	49.845	ug/l	96
22) Diisopropyl ether	5.95	45	607336	49.707	ug/l	98
23) Vinyl Acetate	5.89	43	2663883	276.423	ug/l	100
24) 1,1-Dichloroethane	5.85	63	348426	49.678	ug/l	100
25) 2-Butanone	6.83	43	790870	272.002	ug/l	98
26) 2,2-Dichloropropane	6.82	77	260086	53.317	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	221593	50.265	ug/l	99
28) Bromochloromethane	7.19	49	172786	49.806	ug/l	99
29) Tetrahydrofuran	7.21	42	484523	272.688	ug/l	99
30) Chloroform	7.37	83	342996	49.560	ug/l	98
31) Cyclohexane	7.65	56	320135	47.279	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	283899	51.752	ug/l	100
36) 1,1-Dichloropropene	7.79	75	260317	49.032	ug/l	99
37) Ethyl Acetate	6.93	43	291361	55.843	ug/l	99
38) Carbon Tetrachloride	7.77	117	243600	52.469	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	327901	50.053	ug/l	100
40) Benzene	8.04	78	800033	48.989	ug/l	99
41) Methacrylonitrile	7.18	41	128095m	55.599	ug/l	
42) 1,2-Dichloroethane	8.12	62	261493	48.519	ug/l	100
43) Isopropyl Acetate	8.16	43	441360	54.860	ug/l	99
44) Trichloroethene	8.83	130	212672	48.344	ug/l	97
45) 1,2-Dichloropropane	9.12	63	214970	49.221	ug/l	100
46) Dibromomethane	9.21	93	138884	50.828	ug/l	100
47) Bromodichloromethane	9.40	83	260584	53.771	ug/l	99
48) Methyl methacrylate	9.20	41	211081	52.356	ug/l	98
49) 1,4-Dioxane	9.20	88	60906	727.974	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1416954	272.875	ug/l	100
52) Toluene	10.15	92	490069	49.084	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	274718	48.748	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	319977	54.829	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	204933	51.064	ug/l	98
56) Ethyl methacrylate	10.43	69	315458	53.786	ug/l	99
57) 1,3-Dichloropropane	10.71	76	340884	50.561	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	549605	260.841	ug/l	100
59) 2-Hexanone	10.75	43	1028893	269.594	ug/l	99
60) Dibromochloromethane	10.90	129	204102	49.503	ug/l	99
61) 1,2-Dibromoethane	11.00	107	210793	51.426	ug/l	100
64) Tetrachloroethene	10.63	164	198312	47.617	ug/l	98
65) Chlorobenzene	11.43	112	525379	49.717	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	194175	54.368	ug/l	100
67) Ethyl Benzene	11.51	91	927924	50.010	ug/l	100
68) m/p-Xylenes	11.62	106	694810	102.180	ug/l	99
69) o-Xylene	11.95	106	337840	50.219	ug/l	99
70) Styrene	11.96	104	562534	52.313	ug/l	99
71) Bromoform	12.13	173	147231	51.031	ug/l #	99
73) Isopropylbenzene	12.25	105	904457	54.103	ug/l	99
74) N-amyl acetate	12.07	43	344037	48.371	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	293395	56.883	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	251863m	54.352	ug/l	
77) Bromobenzene	12.53	156	231413	46.310	ug/l	97
78) n-propylbenzene	12.59	91	987850	48.269	ug/l	100
79) 2-Chlorotoluene	12.67	91	593073	53.001	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	743155	52.973	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	75474	57.887	ug/l	94
82) 4-Chlorotoluene	12.77	91	575215	47.602	ug/l	100
83) tert-Butylbenzene	12.99	119	650132	53.226	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	730226	48.537	ug/l	100
85) sec-Butylbenzene	13.17	105	850898	47.304	ug/l	100
86) p-Isopropyltoluene	13.29	119	758211	49.115	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	375320	49.561	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	363468	49.558	ug/l	99
89) n-Butylbenzene	13.61	91	604108	51.693	ug/l	100
90) Hexachloroethane	13.87	117	123472	51.302	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	373863	49.760	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	46840	56.645	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	171232	44.464	ug/l	97
94) Hexachlorobutadiene	15.01	225	131455	51.692	ug/l	100
95) Naphthalene	15.13	128	451686	44.783	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	186647	46.393	ug/l	100

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

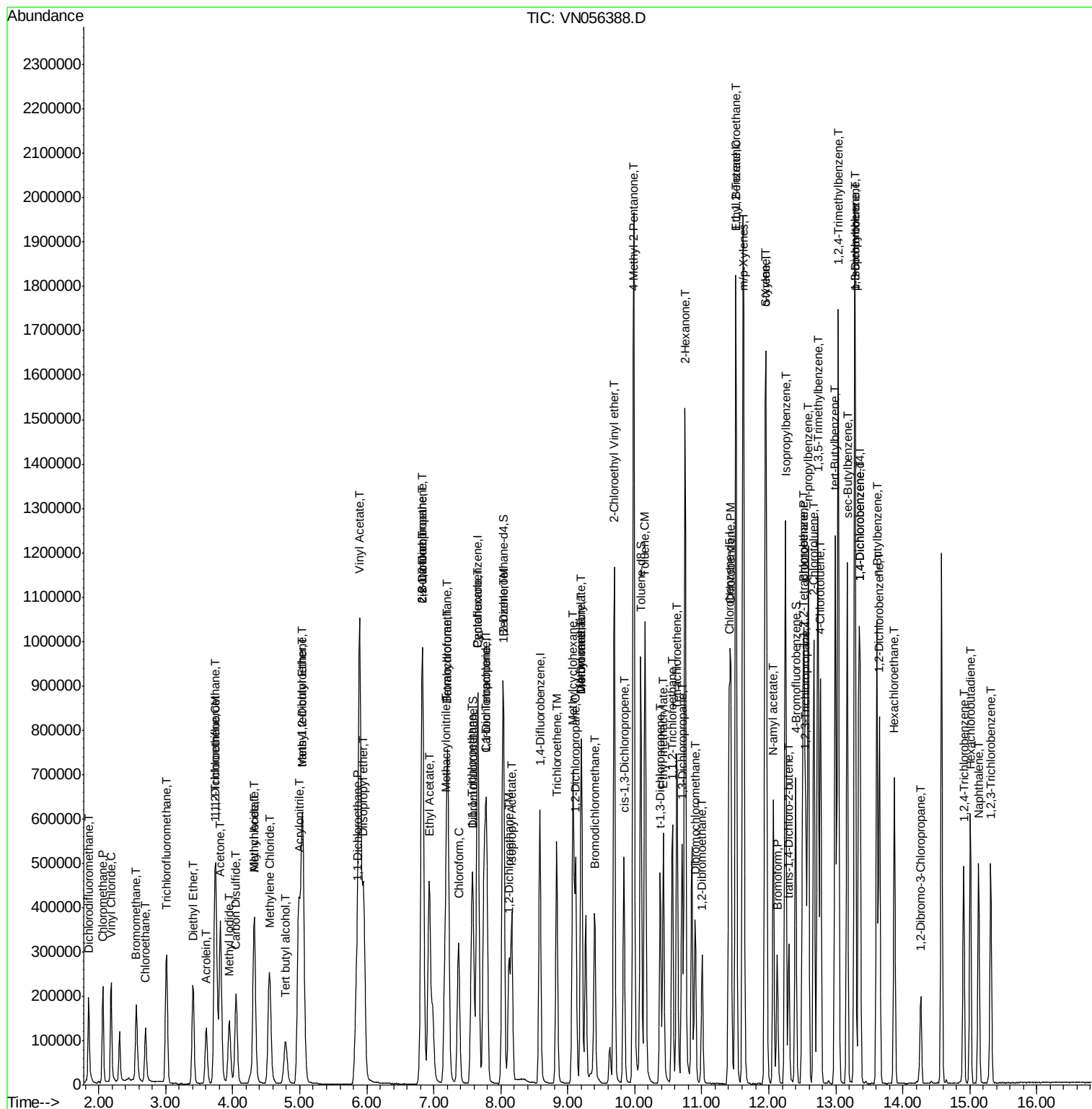
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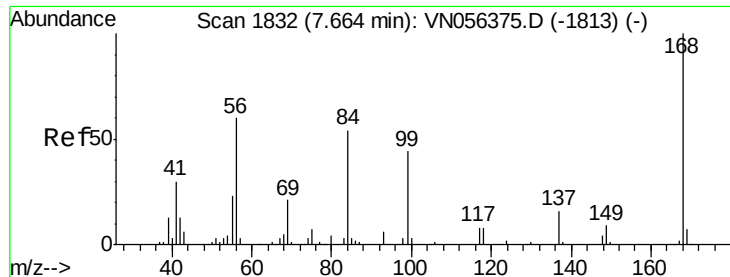
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056388.D

Acq: 20 Jun 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 395636

Ion Ratio Lower Upper

168 100

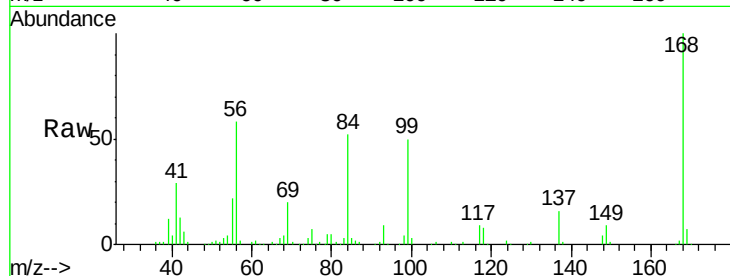
99 49.8 40.6 61.0

Manual Integrations

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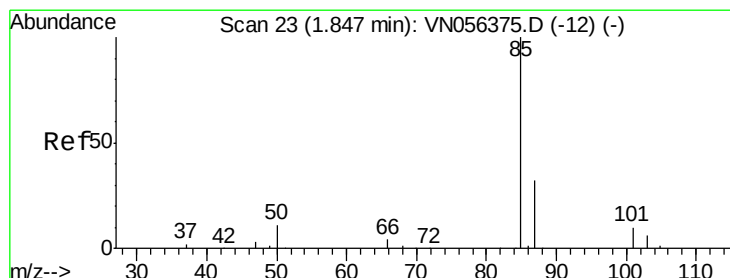
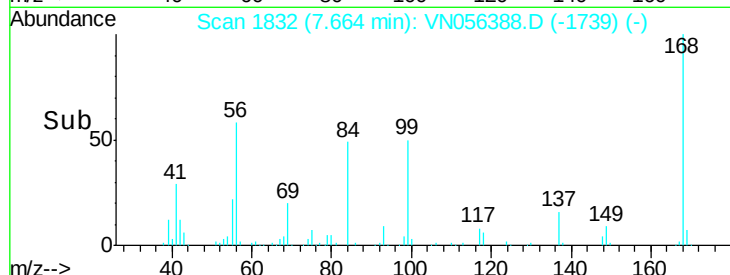
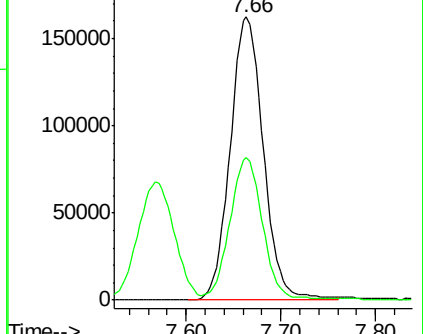
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 50.514 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056388.D

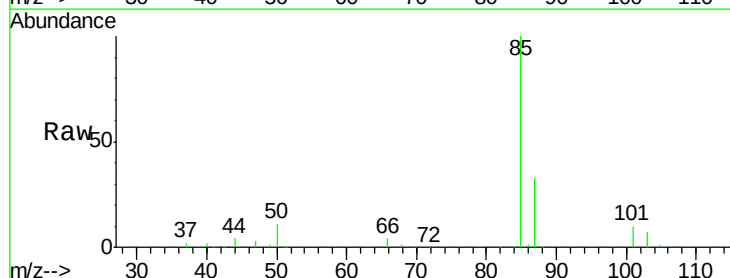
Acq: 20 Jun 2019 9:25

Tgt Ion: 85 Resp: 169224

Ion Ratio Lower Upper

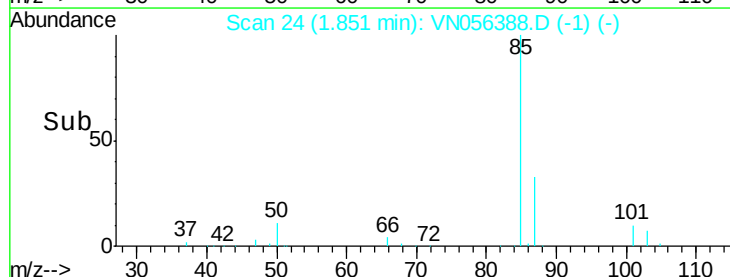
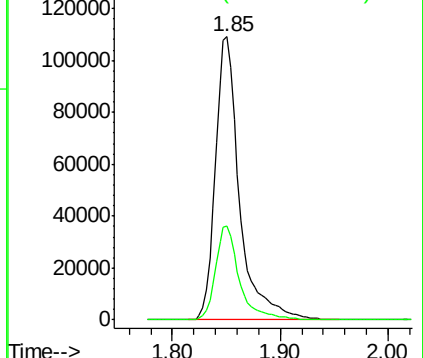
85 100

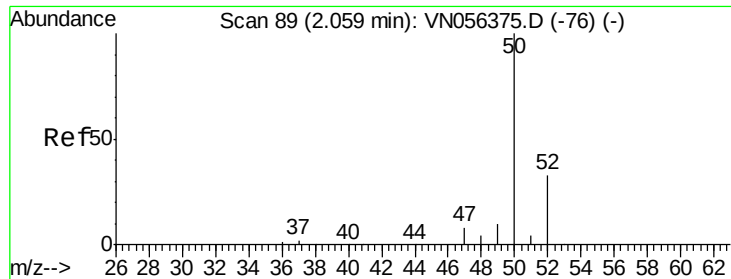
87 33.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 46.676 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056388.D

Acq: 20 Jun 2019 9:25

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 212912

Ion Ratio Lower Upper

50 100

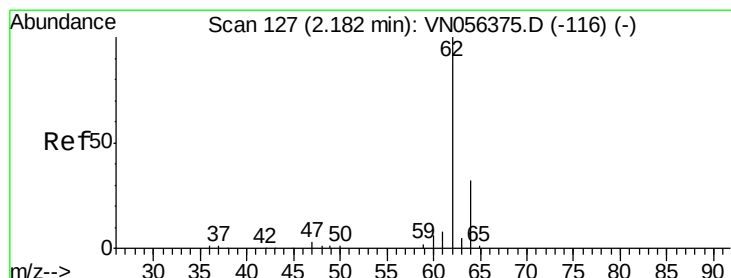
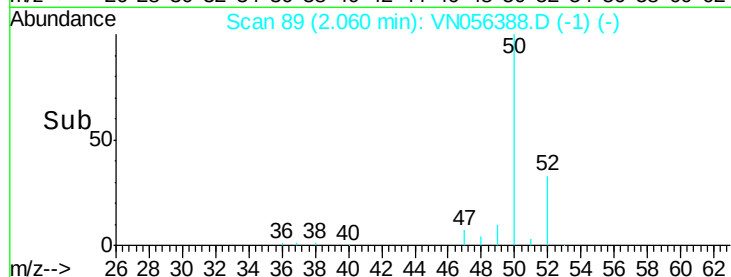
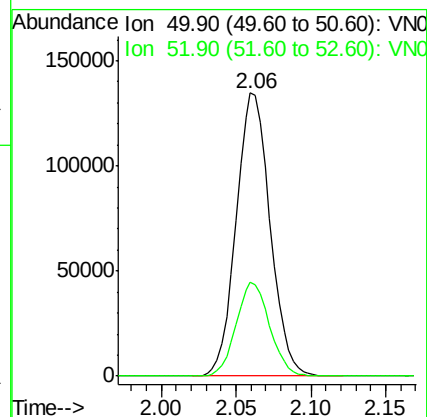
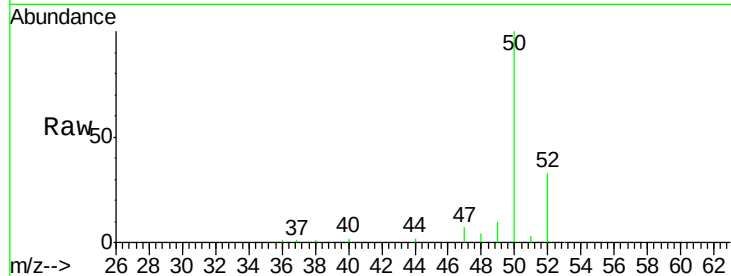
52 33.1 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.739 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056388.D

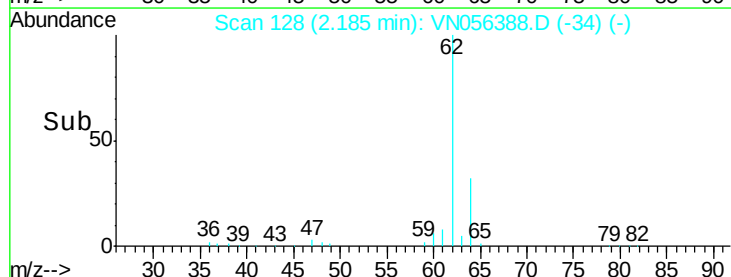
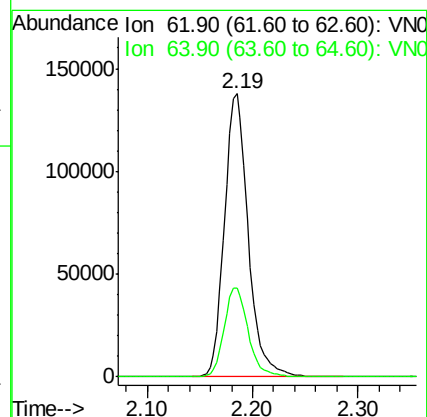
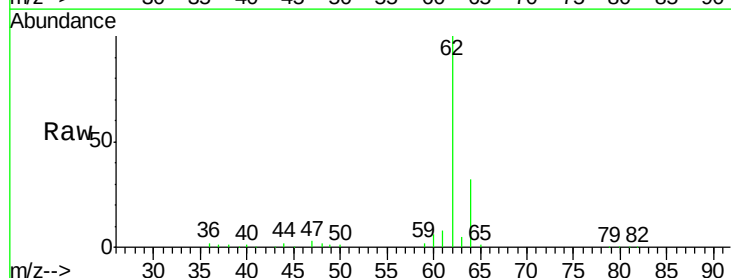
Acq: 20 Jun 2019 9:25

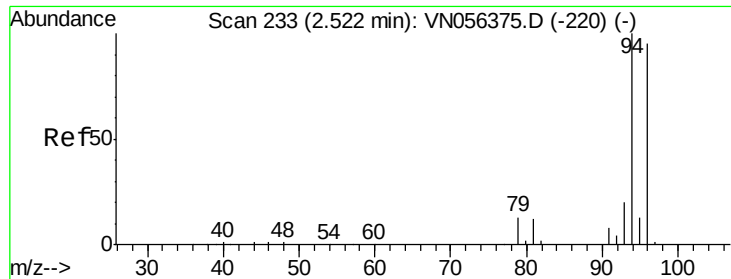
Tgt Ion: 62 Resp: 214728

Ion Ratio Lower Upper

62 100

64 31.6 25.7 38.5





#5

Bromomethane

Concen: 53.903 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.04 min

Lab File: VN056388.D

Acq: 20 Jun 2019 9:25

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 139221

Ion Ratio Lower Upper

94 100

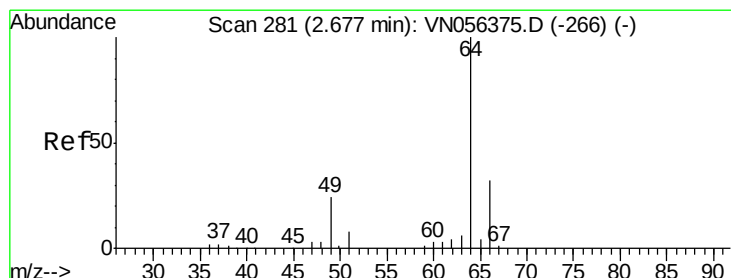
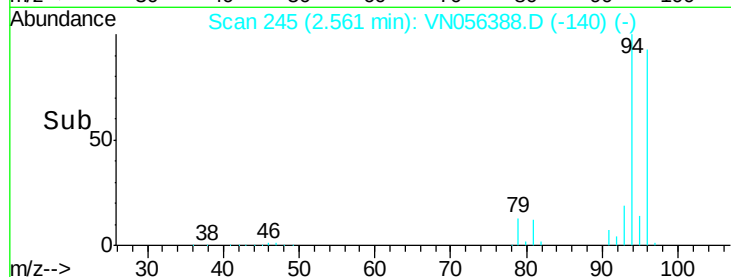
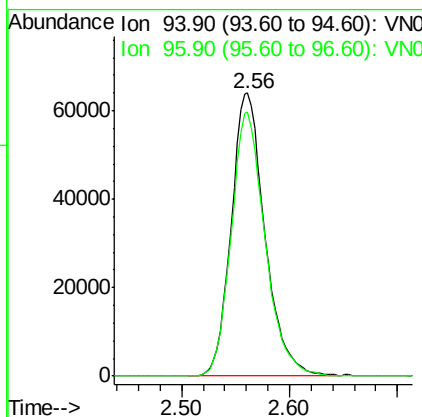
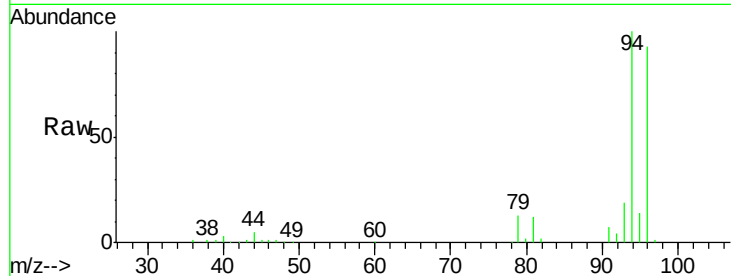
96 93.3 76.0 114.0

Manual Integrations

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#6

Chloroethane

Concen: 49.720 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.02 min

Lab File: VN056388.D

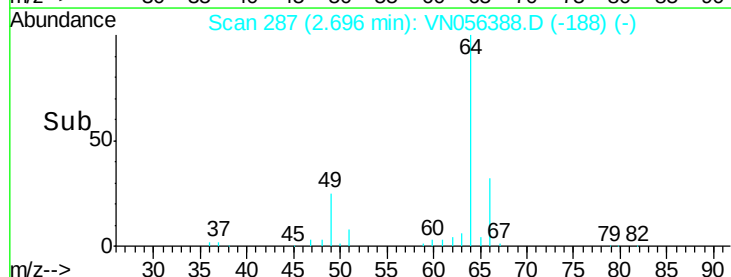
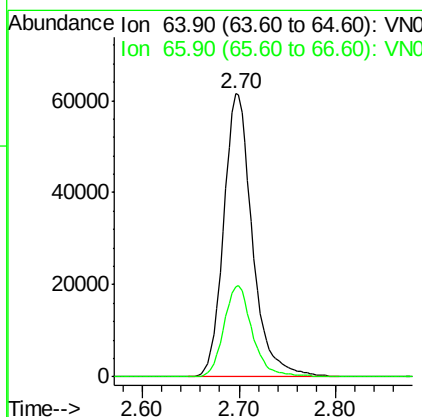
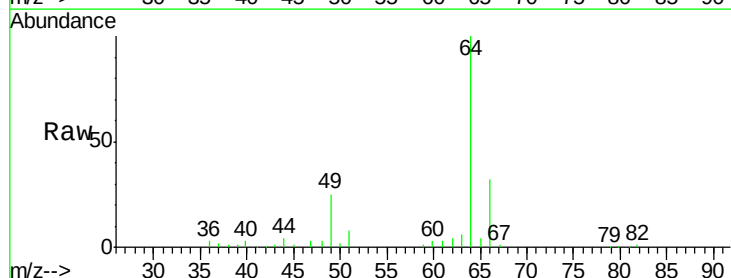
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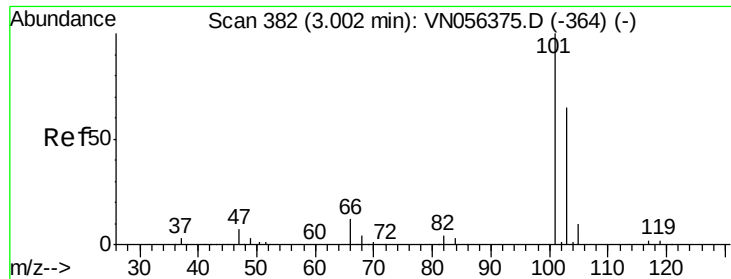
Tgt Ion: 64 Resp: 126853

Ion Ratio Lower Upper

64 100

66 32.0 25.8 38.8





#7

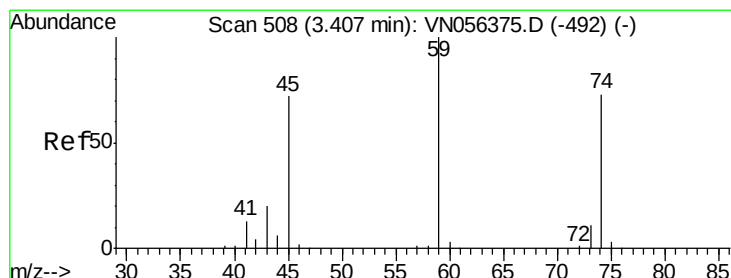
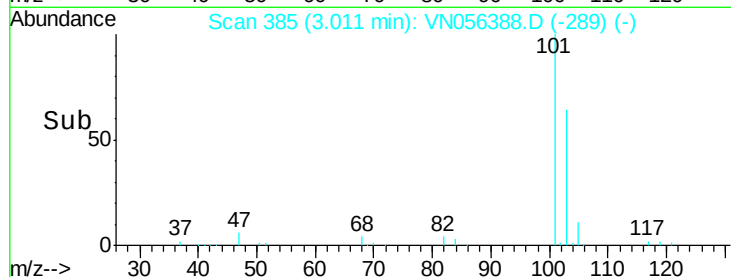
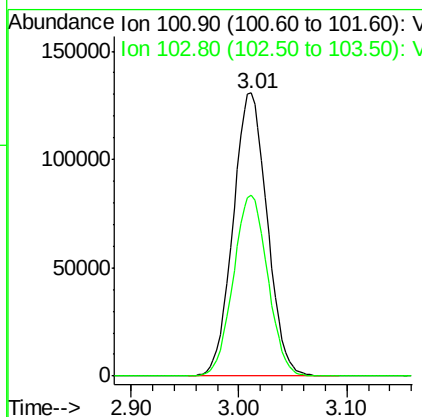
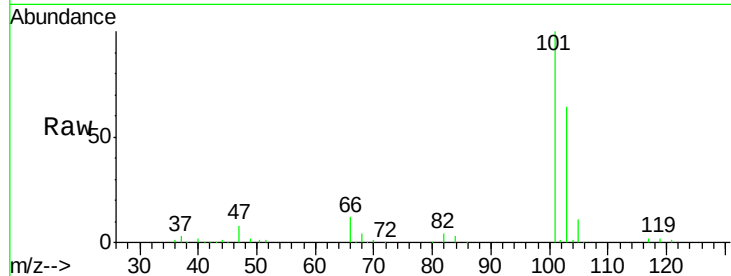
Trichlorofluoromethane
 Concen: 50.504 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.01 min
 Lab File: VN056388.D
 Acq: 20 Jun 2019 9:25

Instrument :
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 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.7	77.5

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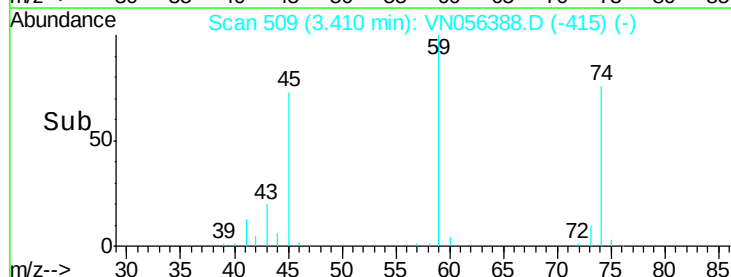
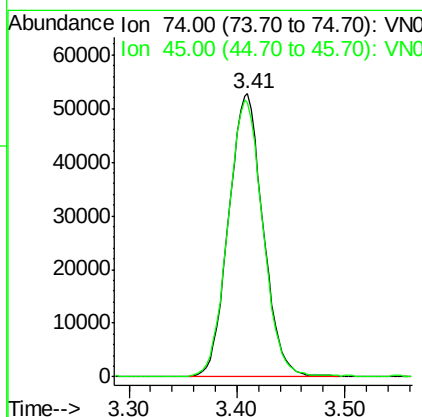
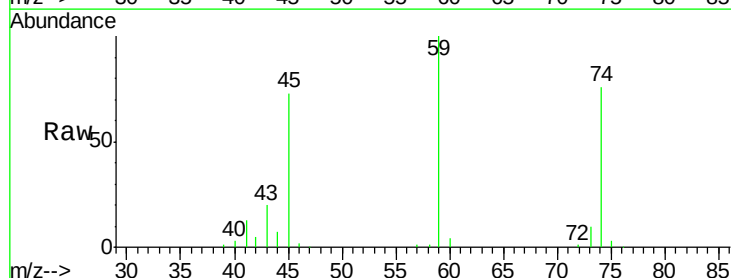
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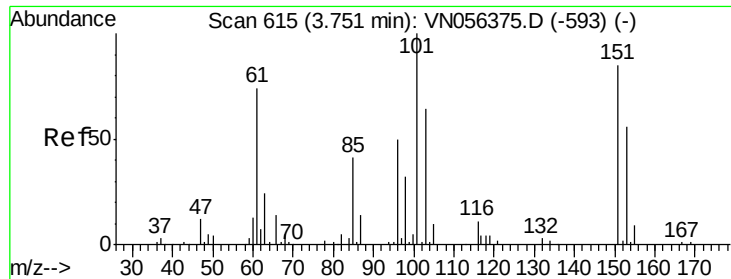


#8

Diethyl Ether
 Concen: 48.656 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN056388.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.1	48.9	146.6





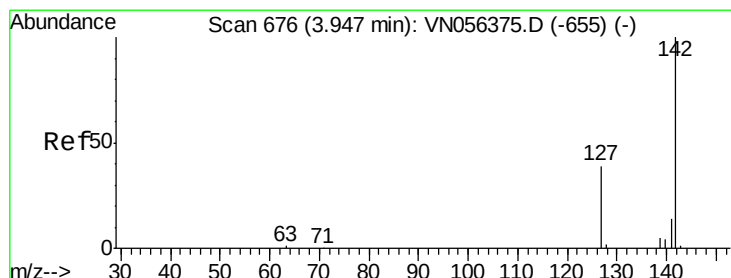
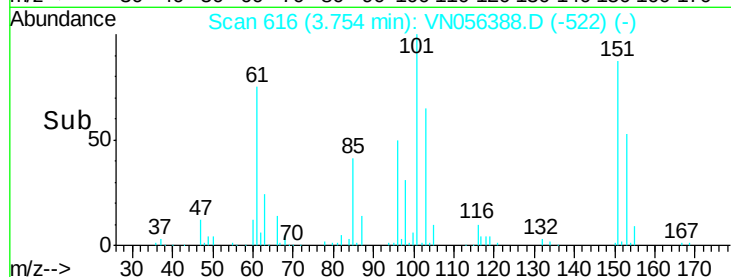
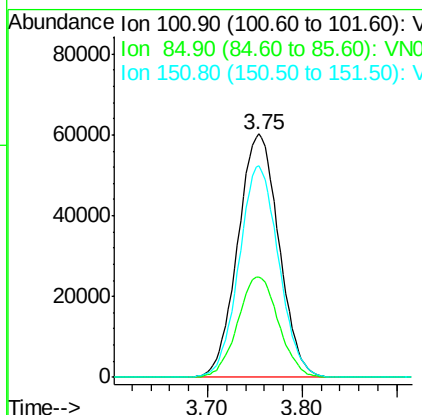
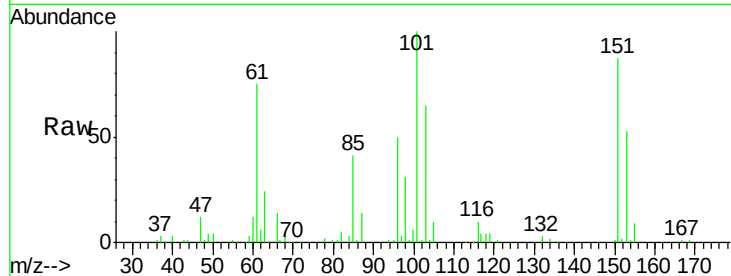
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.912 ug/l
 RT: 3.75 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: VN056388.D
 Acq: 20 Jun 2019 9:25

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	41.0	32.7	49.1
151	84.0	66.8	100.2

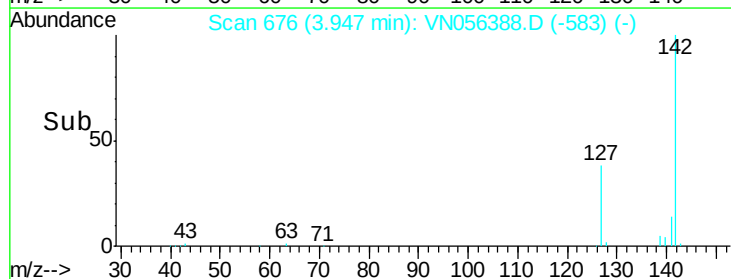
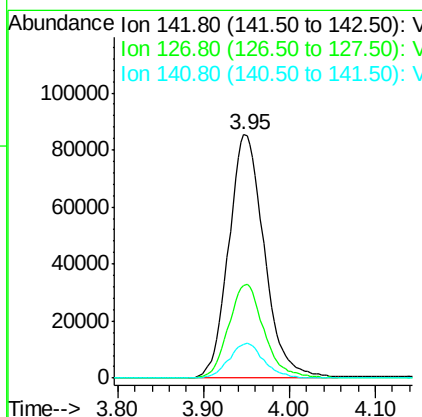
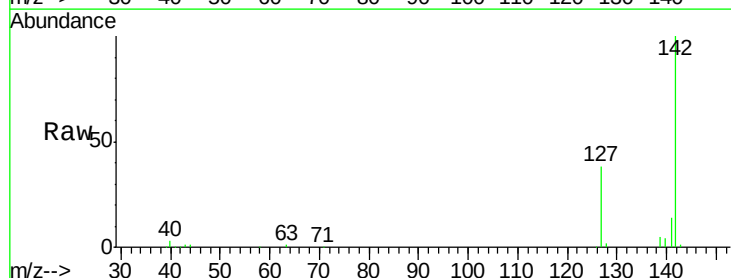
Manual Integrations
 APPROVED

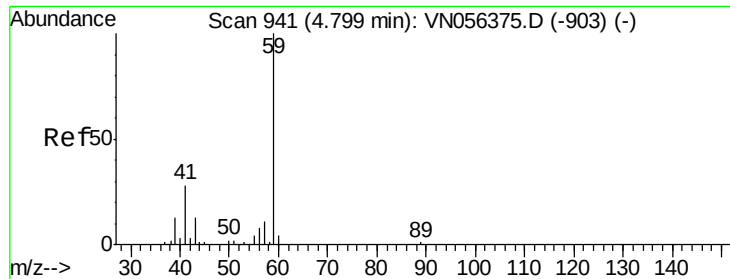
MMDadoda
 6/21/2019 10:50:30 PM



#10
 Methyl Iodide
 Concen: 50.060 ug/l
 RT: 3.95 min Scan# 676
 Delta R.T. 0.00 min
 Lab File: VN056388.D
 Acq: 20 Jun 2019 9:25

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.4	30.6	46.0
141	14.0	11.4	17.2





#11

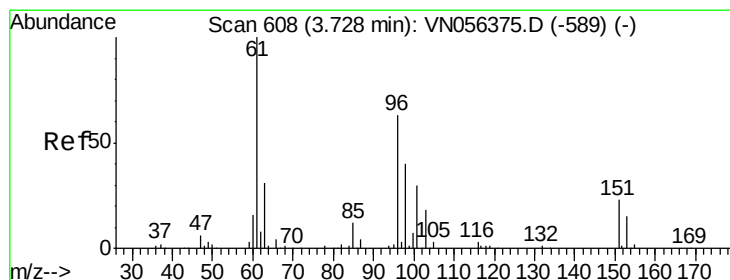
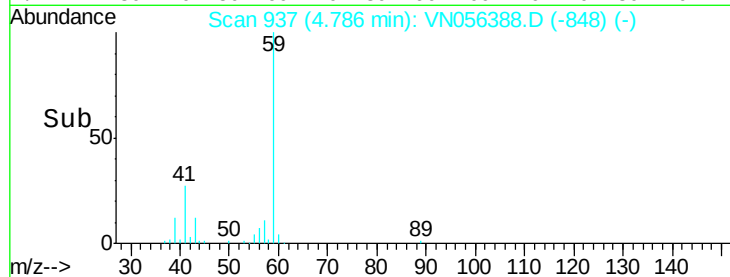
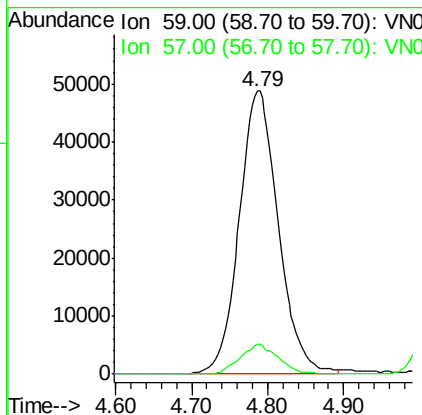
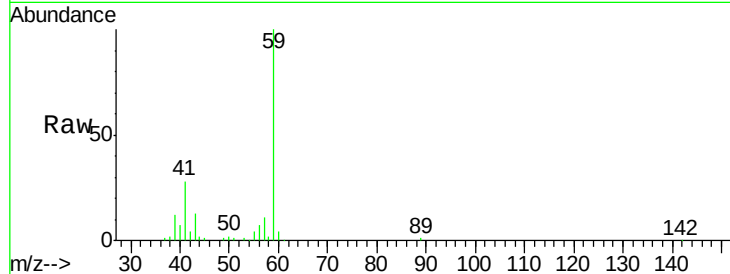
Tert butyl alcohol
Concen: 236.569 ug/l
RT: 4.79 min Scan# 937
Delta R.T. -0.01 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	59	Resp	174712
Ion Ratio	100	Lower	Upper
57	10.3	7.6	11.4

Manual Integrations
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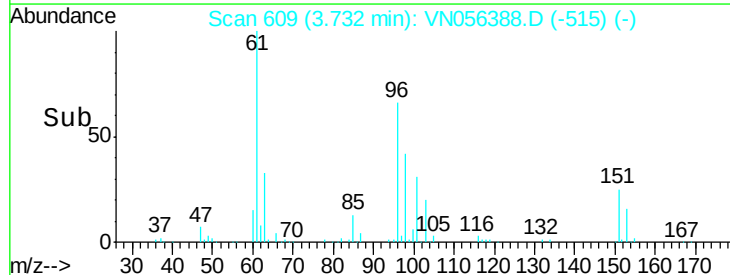
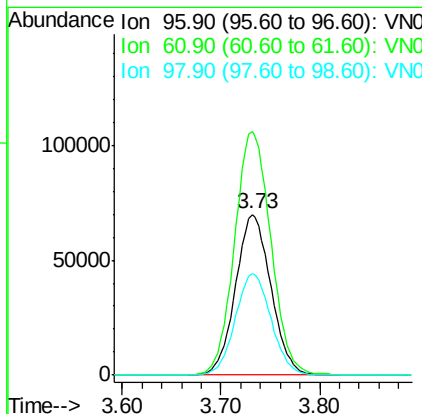
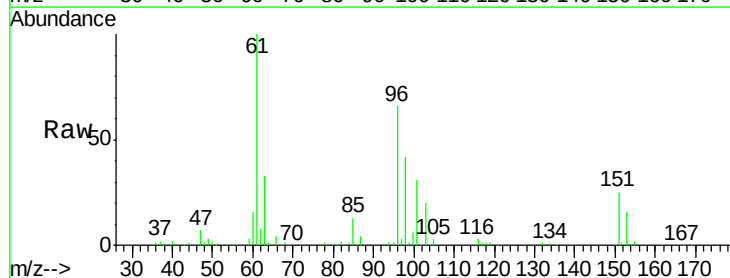
MMDadoda
6/21/2019 10:50:30 PM

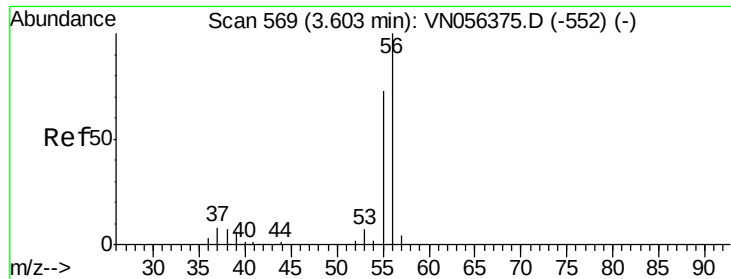


#12

1,1-Dichloroethene
Concen: 49.732 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Tgt Ion	96	Resp	173813
Ion Ratio	100	Lower	Upper
61	151.6	126.6	190.0
98	63.3	51.1	76.7





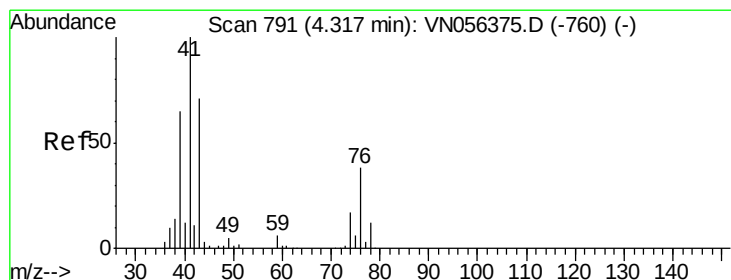
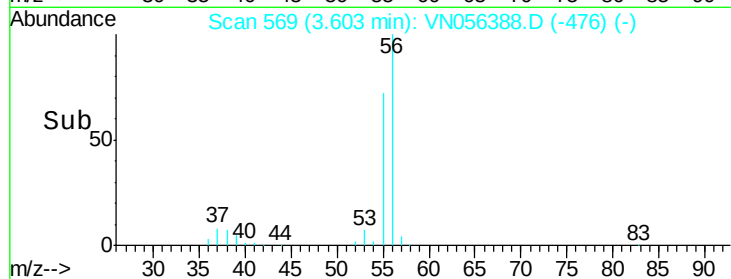
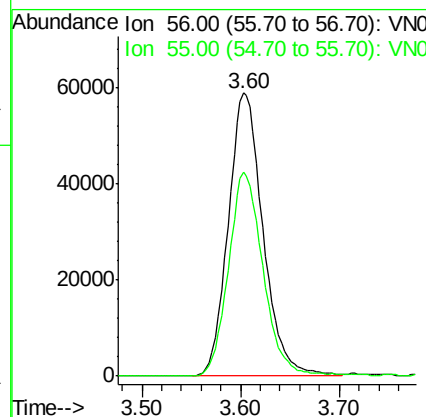
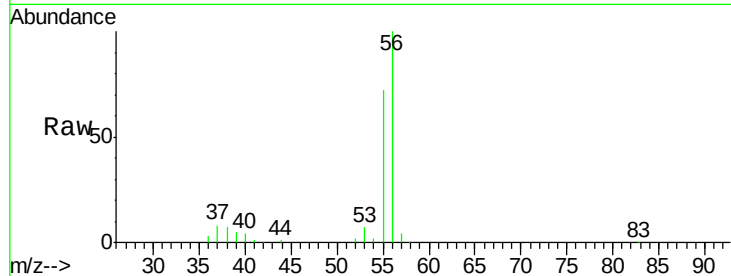
#13
Acrolein
Concen: 233.151 ug/l
RT: 3.60 min Scan# 569
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.4	57.1	85.7

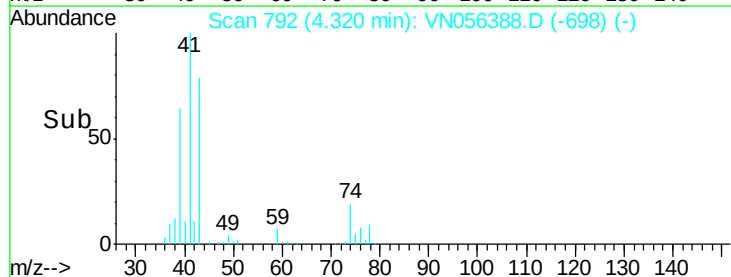
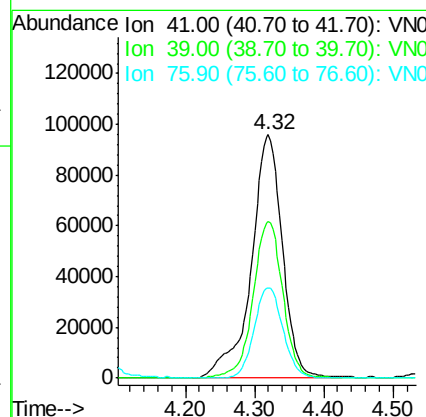
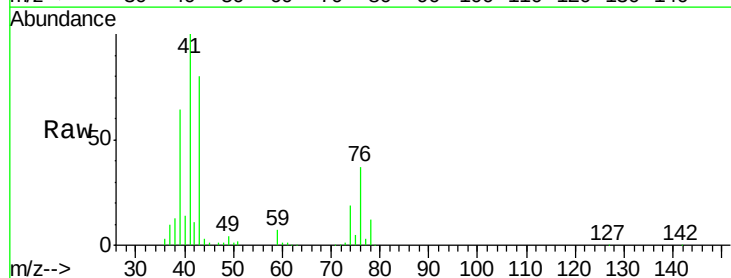
Manual Integrations
APPROVED

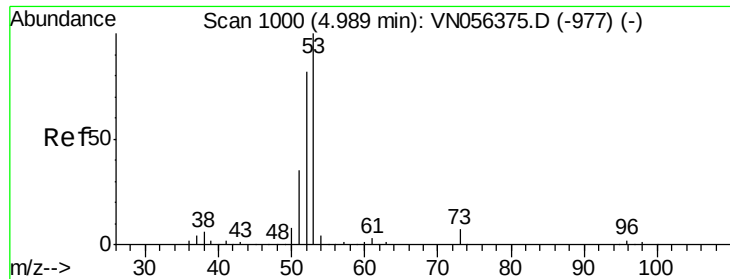
MMDadoda
6/21/2019 10:50:30 PM



#14
Allyl chloride
Concen: 51.551 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.0	48.6	73.0
76	34.1	26.6	40.0





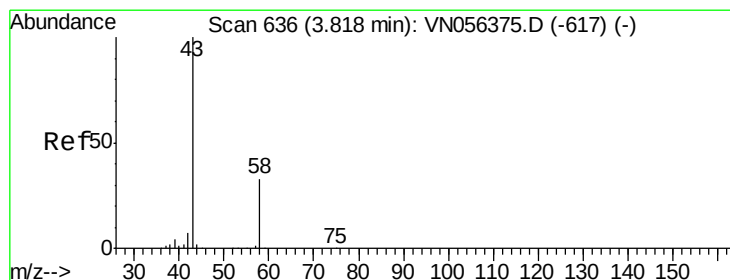
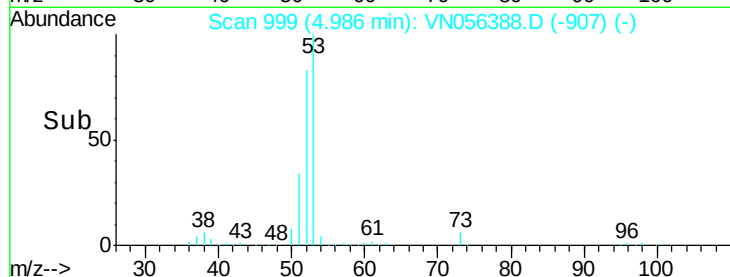
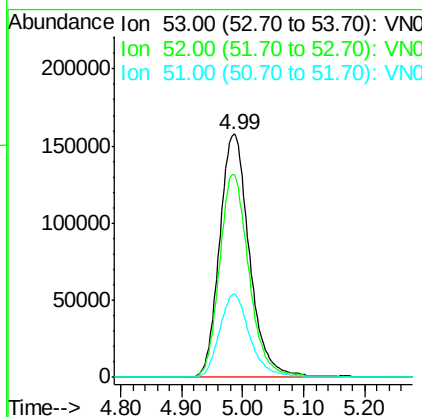
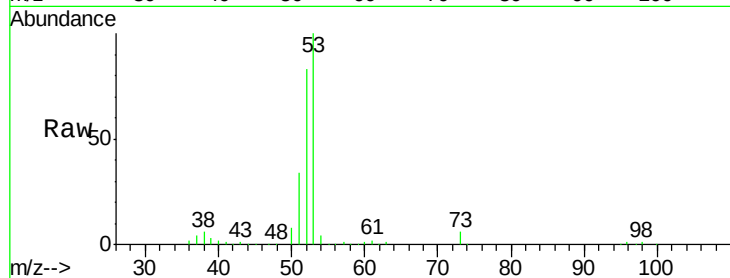
#15
 Acrylonitrile
 Concen: 262.509 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN056388.D
 Acq: 20 Jun 2019 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.9	98.9
51	34.8	28.3	42.5

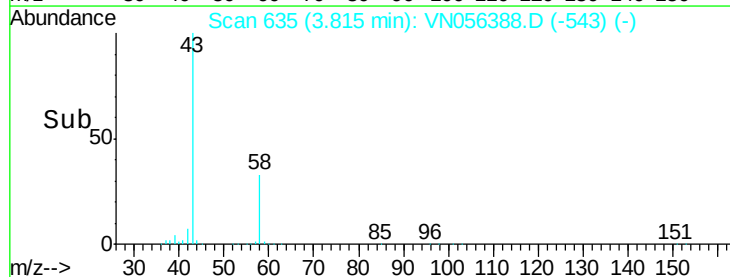
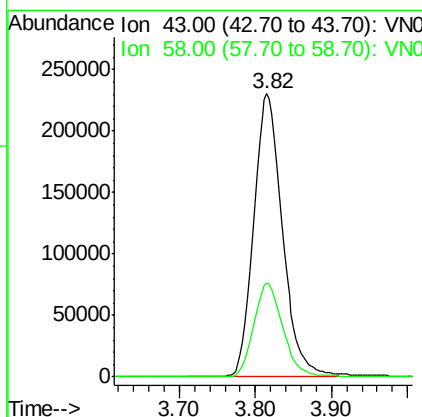
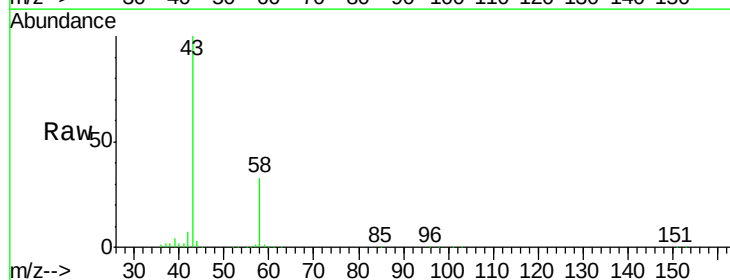
Manual Integrations
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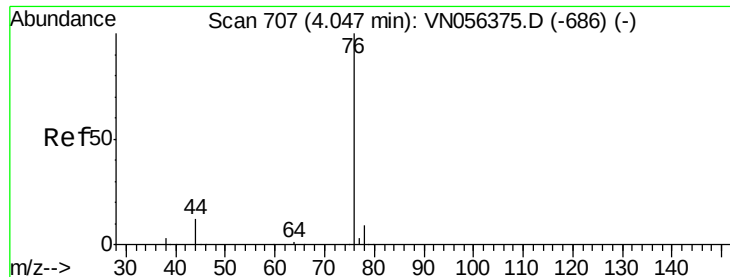
MMDadoda
 6/21/2019 10:50:30 PM



#16
 Acetone
 Concen: 275.439 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: VN056388.D
 Acq: 20 Jun 2019 9:25

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.0	26.4	39.6





#17

Carbon Disulfide

Concen: 52.028 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN056388.D

Acq: 20 Jun 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 413588

Ion Ratio Lower Upper

76 100

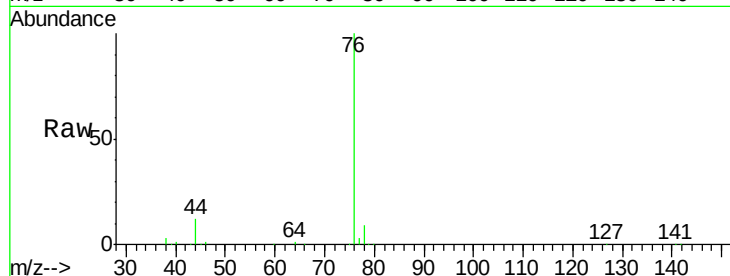
78 9.0 7.1 10.7

Manual Integrations

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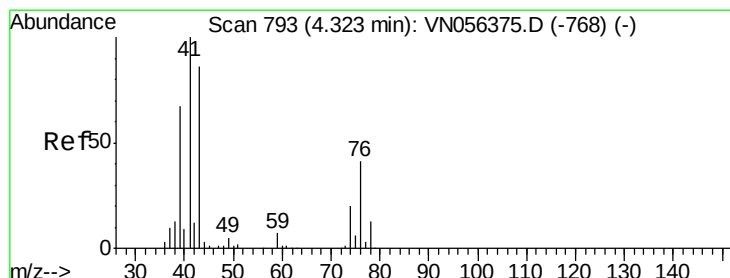
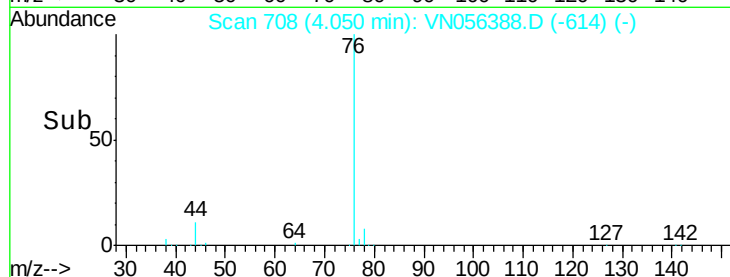
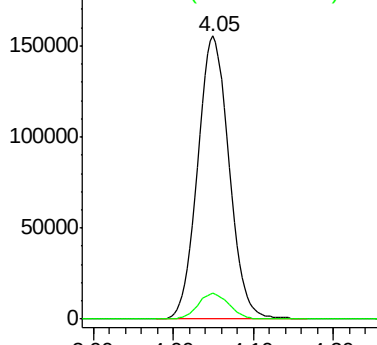
MMDadoda

6/21/2019 10:50:30 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 51.577 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056388.D

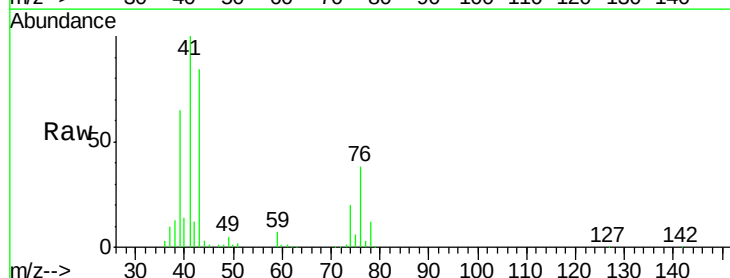
Acq: 20 Jun 2019 9:25

Tgt Ion: 43 Resp: 221807

Ion Ratio Lower Upper

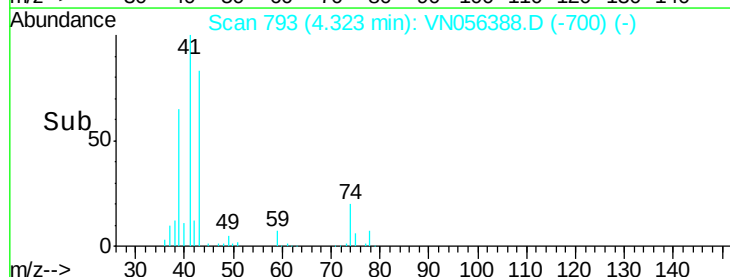
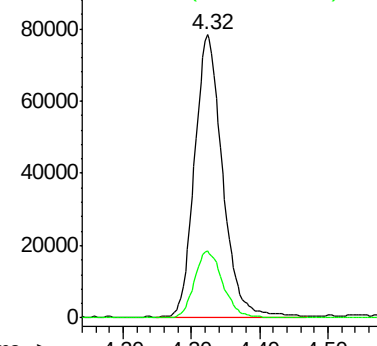
43 100

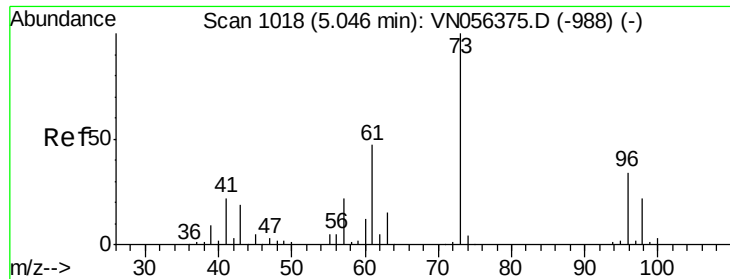
74 24.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





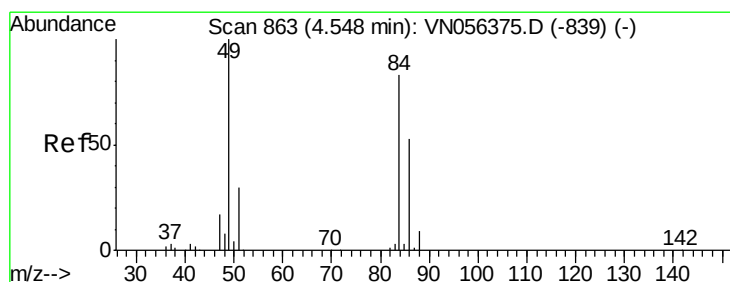
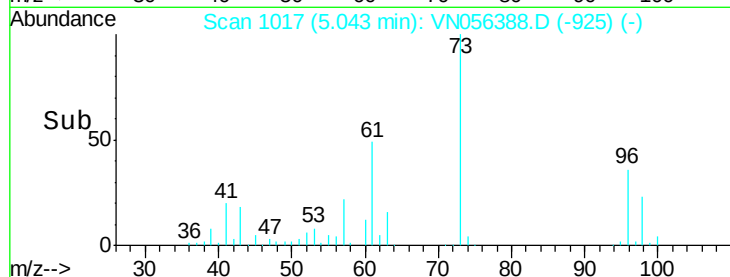
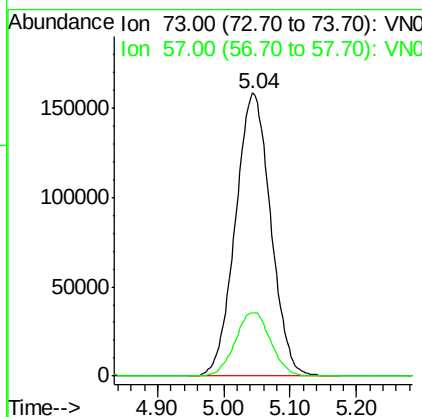
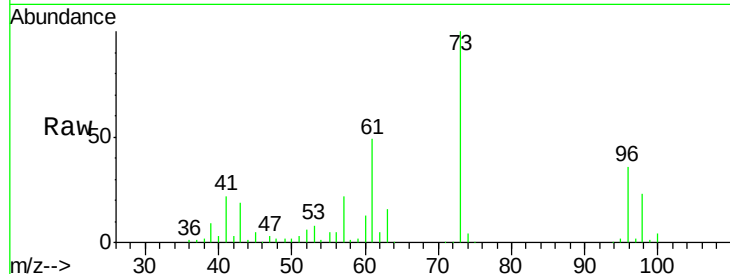
#19
Methyl tert-butyl Ether
Concen: 50.625 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 585469
Ion Ratio Lower Upper
73 100
57 22.5 17.9 26.9

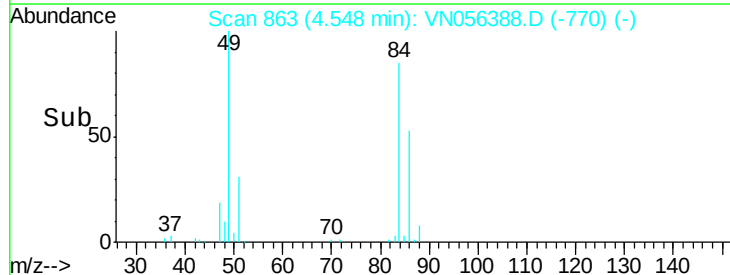
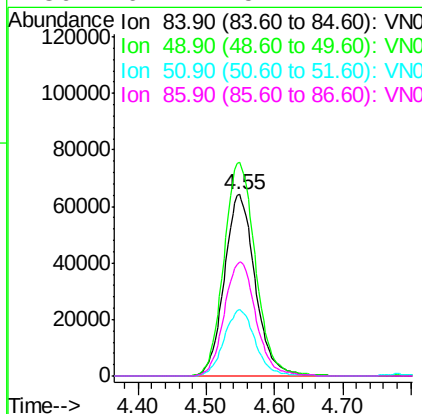
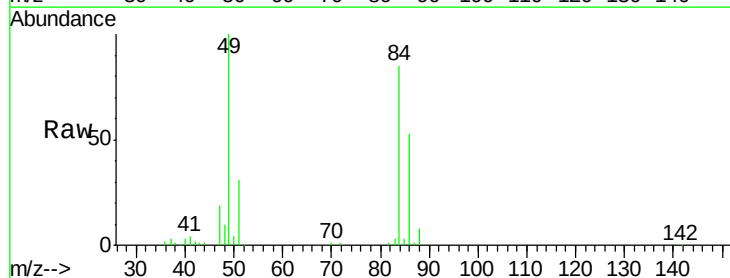
Manual Integrations
APPROVED

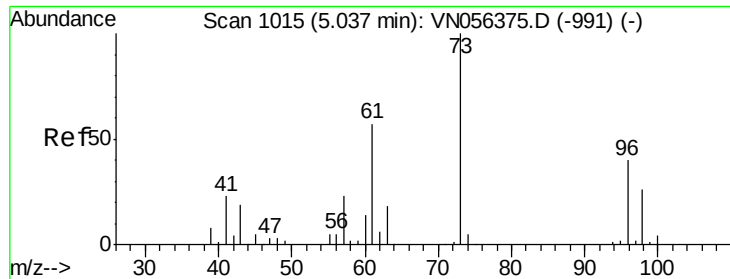
MMDadoda
6/21/2019 10:50:30 PM



#20
Methylene Chloride
Concen: 48.795 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Tgt Ion: 84 Resp: 202168
Ion Ratio Lower Upper
84 100
49 117.7 96.4 144.6
51 36.7 28.6 43.0
86 62.7 51.4 77.2





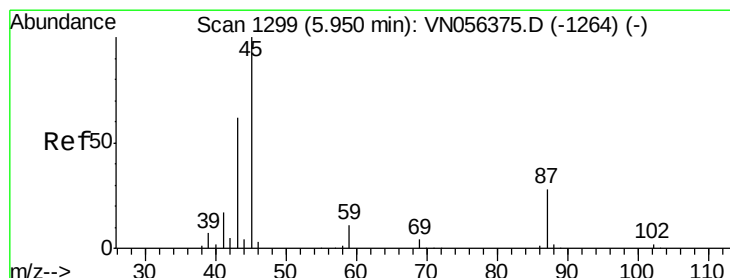
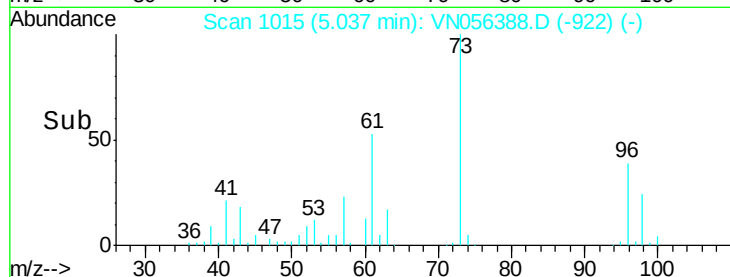
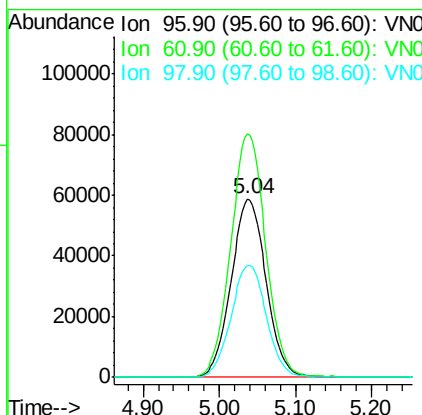
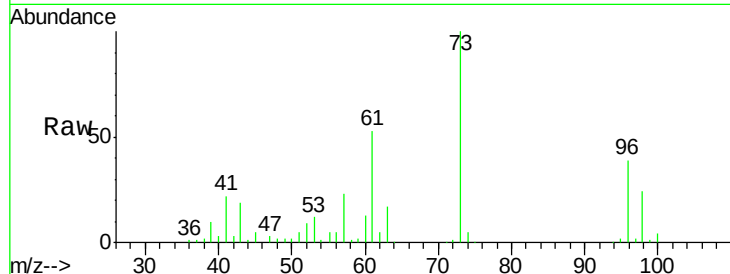
#21
trans-1,2-Dichloroethene
Concen: 49.845 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.4	113.0	169.6
98	62.3	52.2	78.2

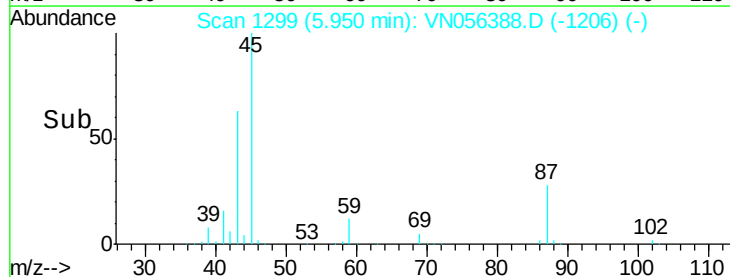
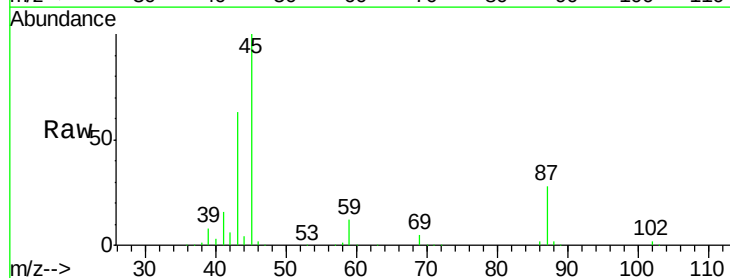
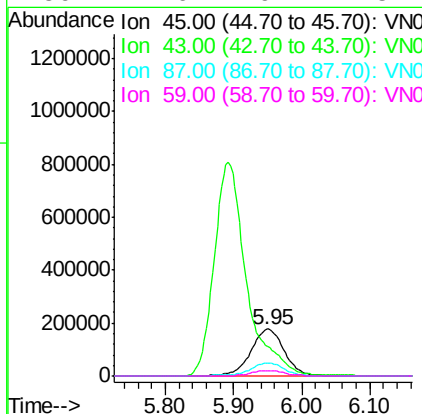
Manual Integrations
APPROVED

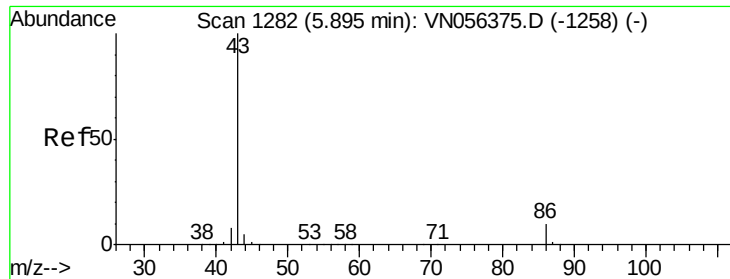
MMDadoda
6/21/2019 10:50:30 PM



#22
Diisopropyl ether
Concen: 49.707 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.2	50.4	75.6
87	27.9	23.0	34.4
59	11.6	9.1	13.7





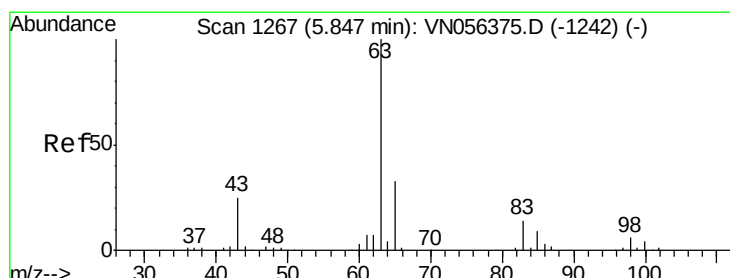
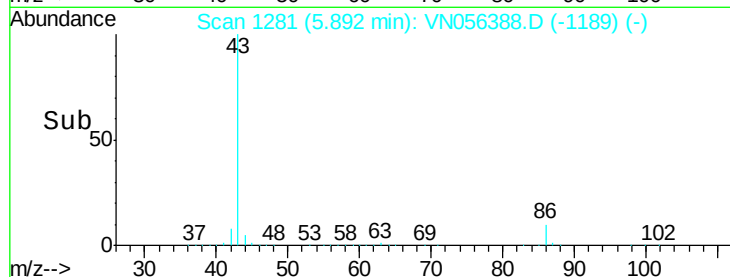
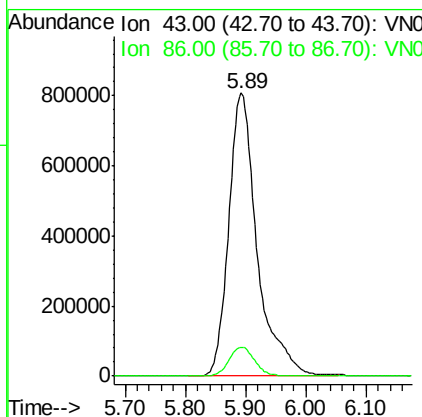
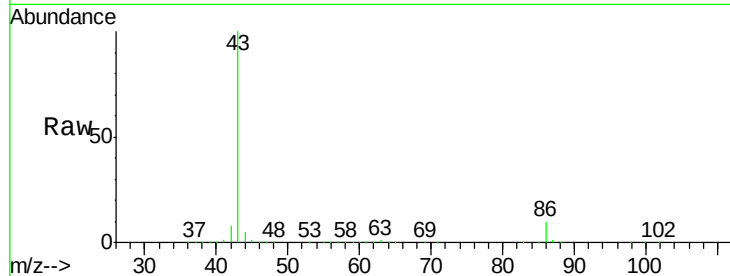
#23
 Vinyl Acetate
 Concen: 276.423 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN056388.D
 Acq: 20 Jun 2019 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2663883
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.3 12.5

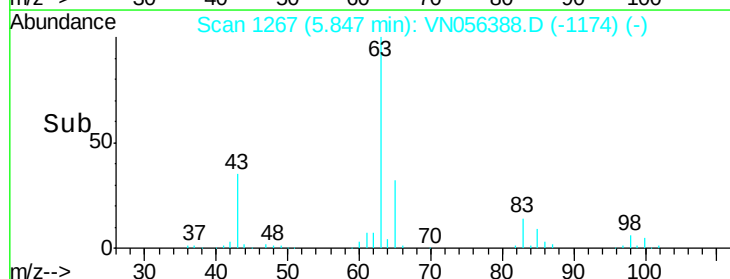
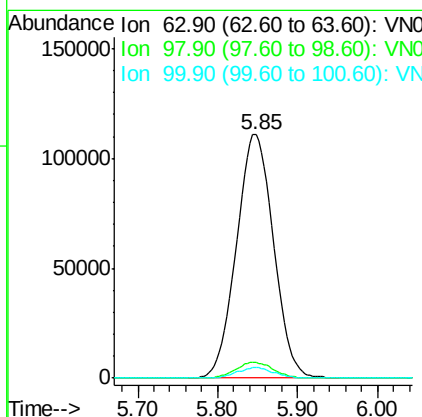
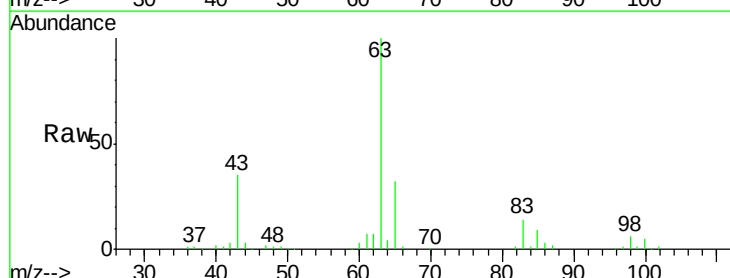
Manual Integrations
 APPROVED

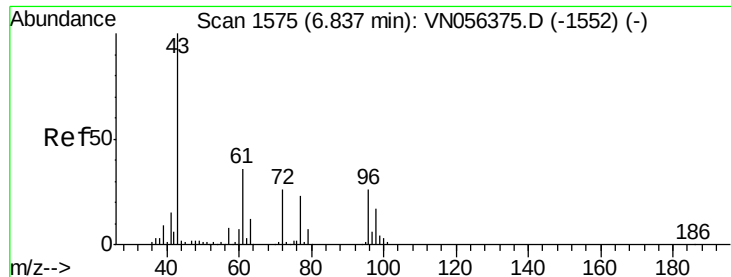
MMDadoda
 6/21/2019 10:50:30 PM



#24
 1,1-Dichloroethane
 Concen: 49.678 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN056388.D
 Acq: 20 Jun 2019 9:25

Tgt Ion: 63 Resp: 348426
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.2 9.6
 100 4.5 2.1 6.5





#25

2-Butanone

Concen: 272.002 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN056388.D

Acq: 20 Jun 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 790870

Ion Ratio Lower Upper

43 100

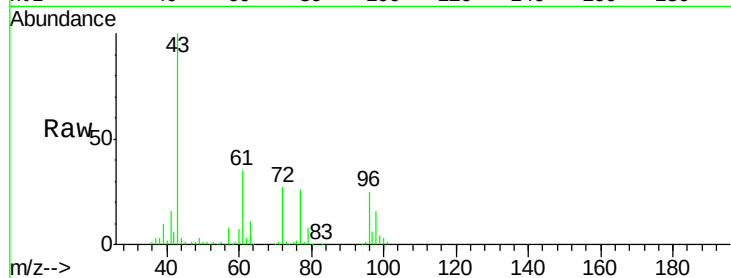
72 26.7 20.6 31.0

Manual Integrations

APPROVED

MMDadoda

6/21/2019 10:50:30 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.83

250000

200000

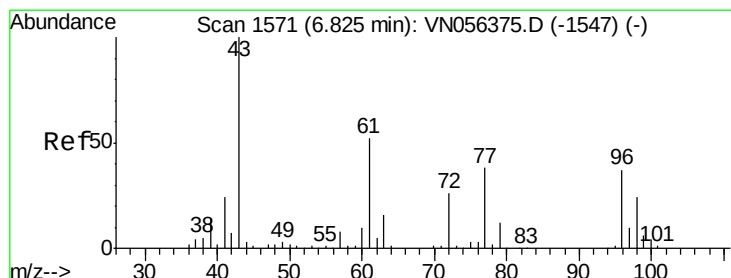
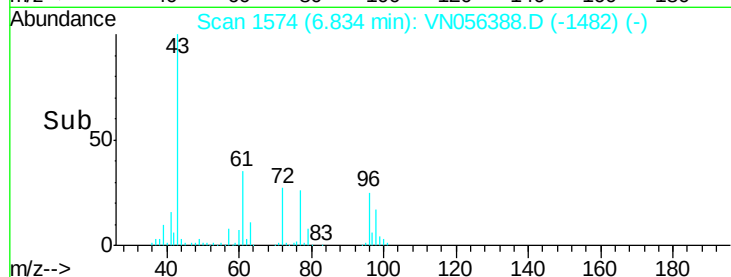
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 53.317 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056388.D

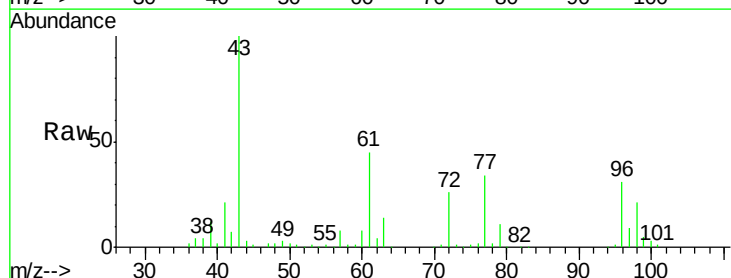
Acq: 20 Jun 2019 9:25

Tgt Ion: 77 Resp: 260086

Ion Ratio Lower Upper

77 100

97 24.6 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

80000

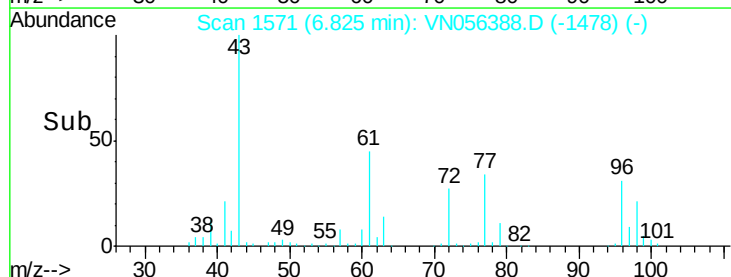
60000

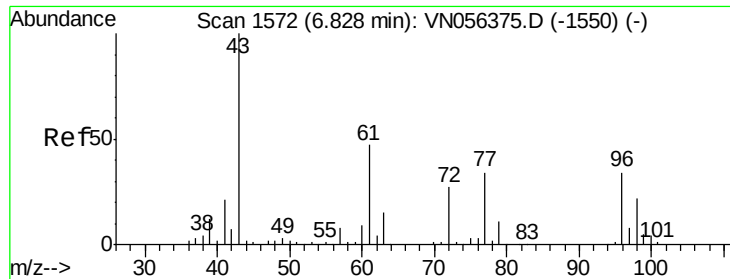
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 50.265 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056388.D

Acq: 20 Jun 2019 9:25

Instrument :

MSVOA_N

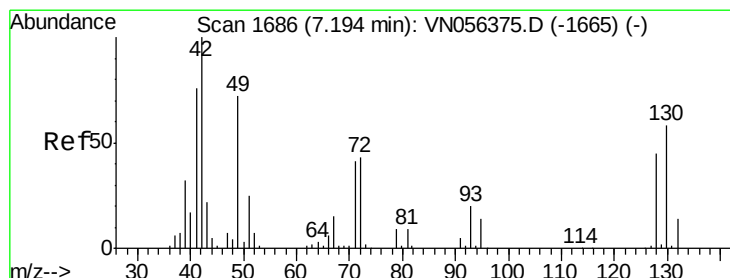
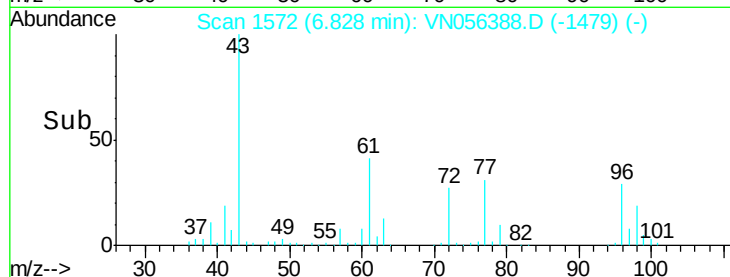
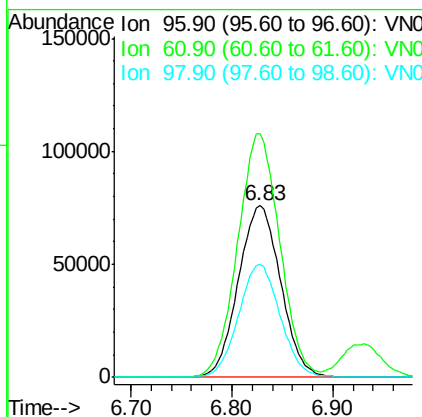
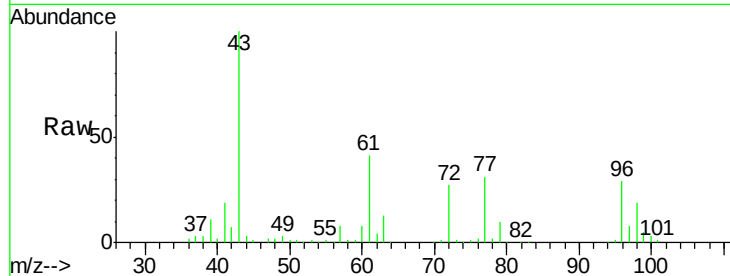
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	221593
Ion Ratio	Lower	Upper	
96	100		
61	141.0	0.0	279.8
98	64.9	0.0	130.0

Manual Integrations
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MMDadoda
6/21/2019 10:50:30 PM



#28

Bromochloromethane

Concen: 49.806 ug/l

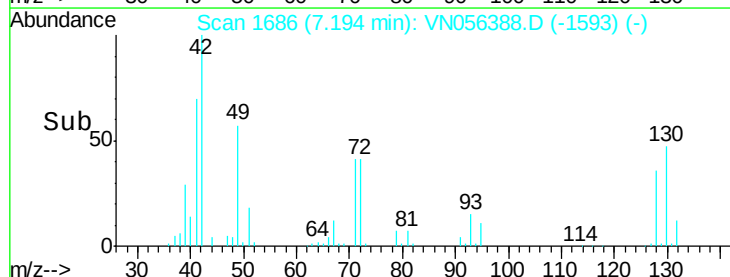
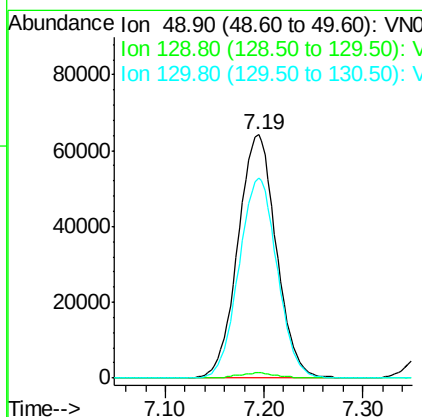
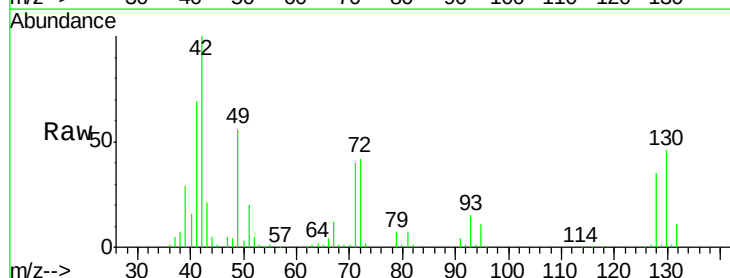
RT: 7.19 min Scan# 1686

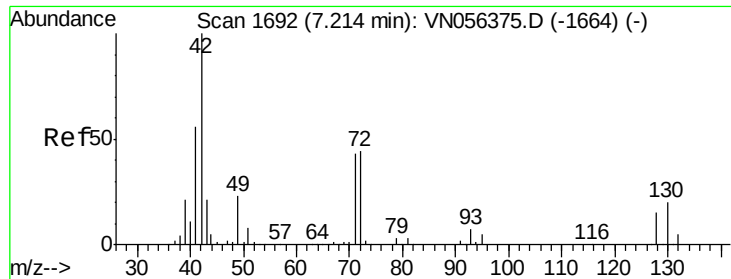
Delta R.T. 0.00 min

Lab File: VN056388.D

Acq: 20 Jun 2019 9:25

Tgt Ion:	49	Resp:	172786
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	4.2
130	82.0	64.9	97.3





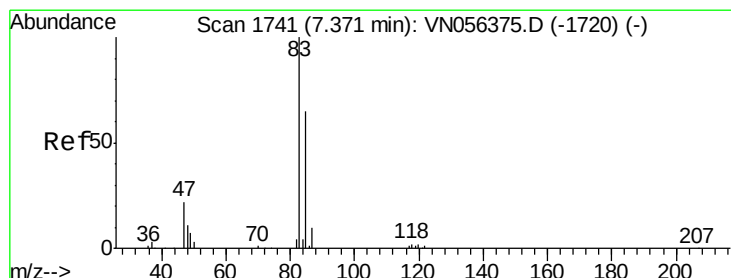
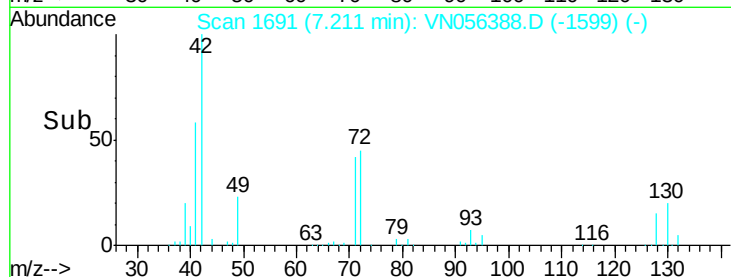
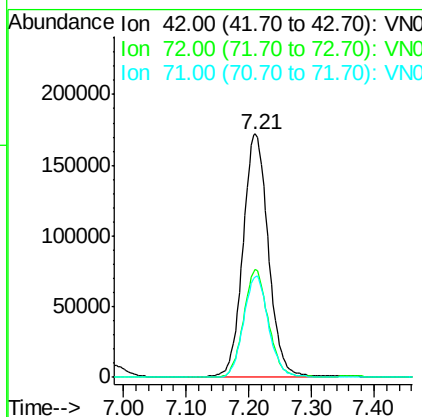
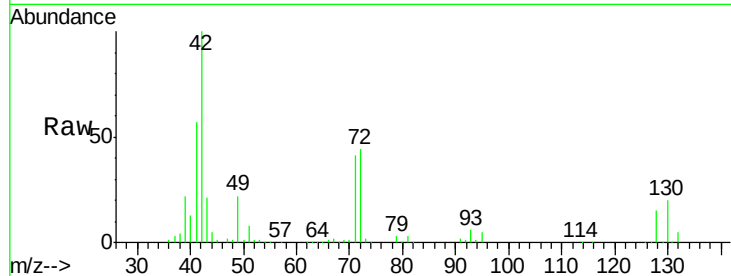
#29
Tetrahydrofuran
Concen: 272.688 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.7	52.1
71	41.1	33.0	49.6

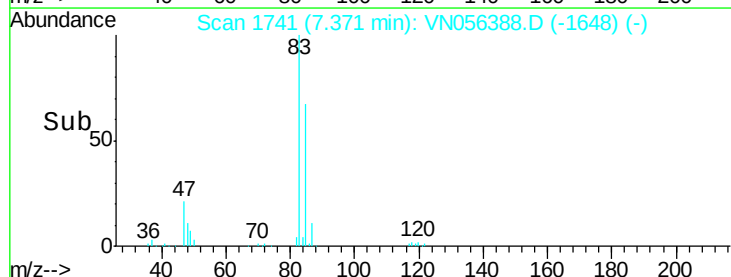
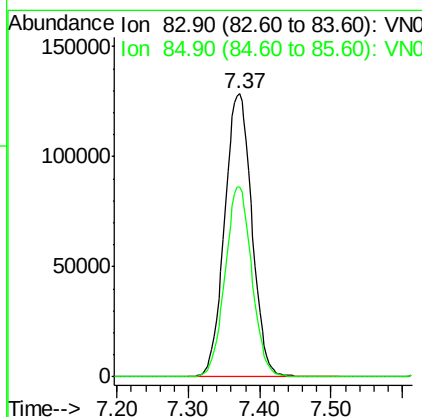
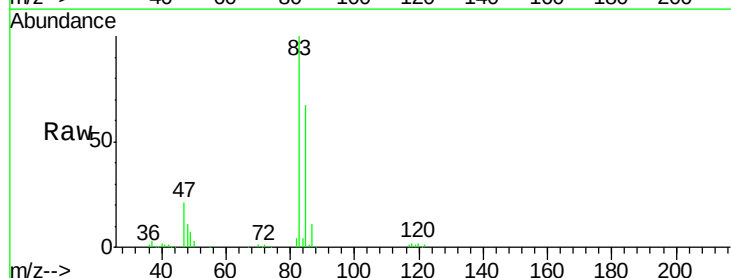
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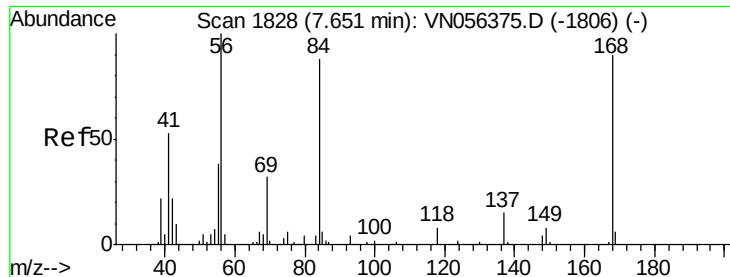
MMDadoda
6/21/2019 10:50:30 PM



#30
Chloroform
Concen: 49.560 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	52.3	78.5





#31

Cyclohexane

Concen: 47.279 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056388.D

Acq: 20 Jun 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 320135
Ion Ratio Lower Upper

56 100

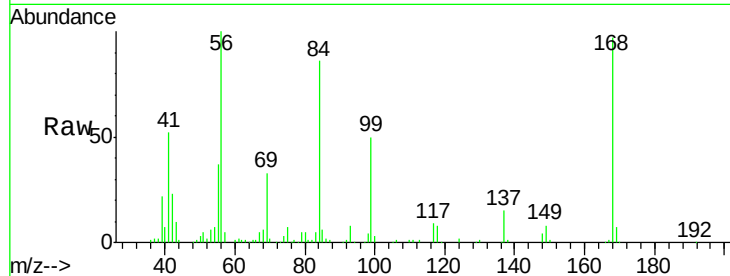
69 33.1 25.8 38.6

84 85.0 69.4 104.0

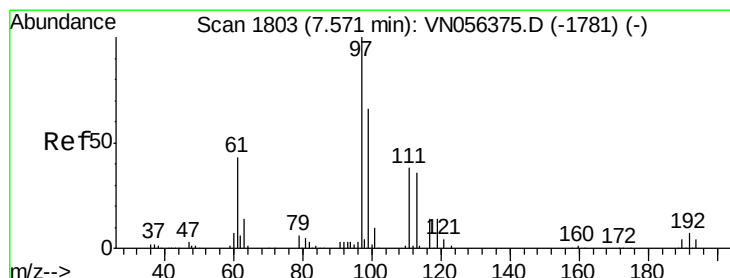
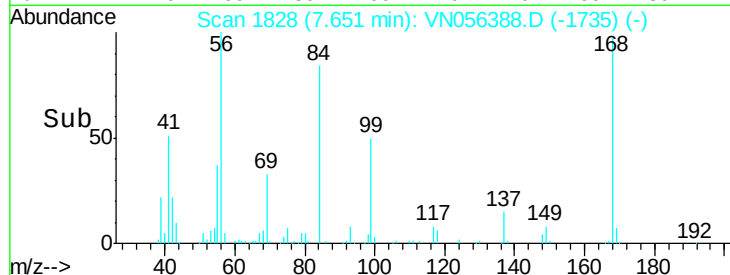
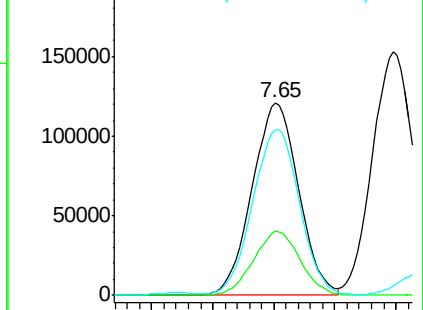
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 51.752 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN056388.D

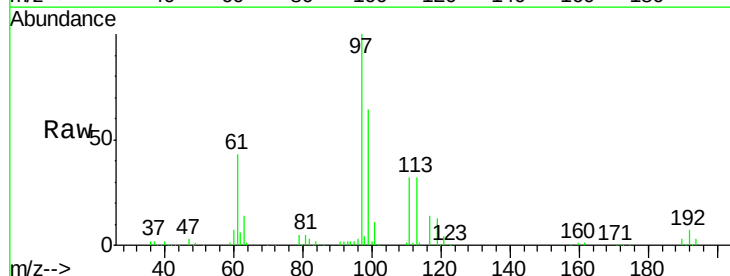
Acq: 20 Jun 2019 9:25

Tgt Ion: 97 Resp: 283899
Ion Ratio Lower Upper

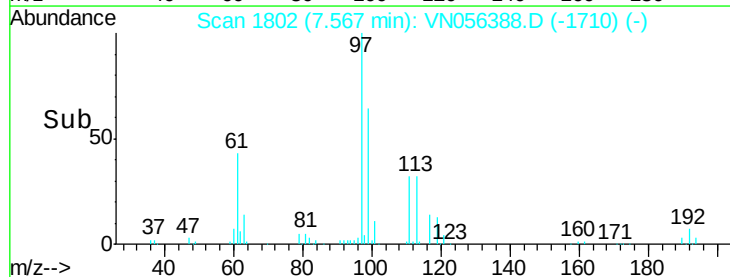
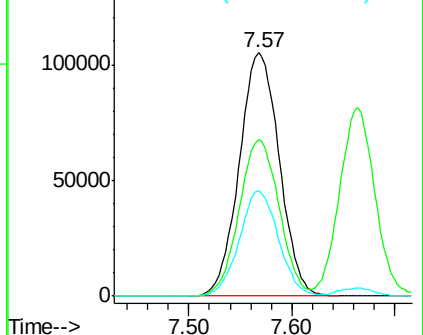
97 100

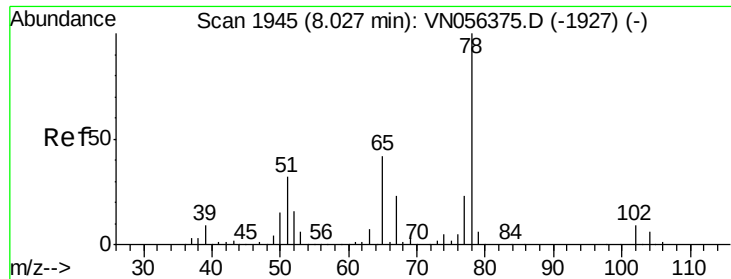
99 64.2 51.8 77.6

61 42.3 33.9 50.9



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





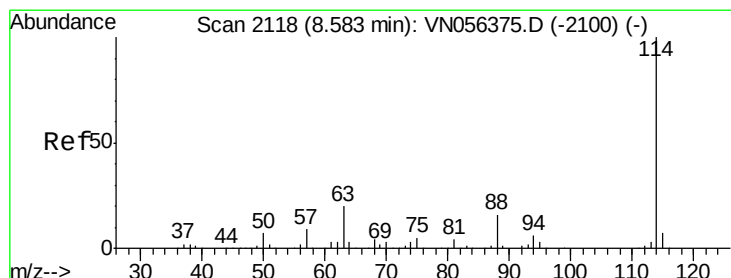
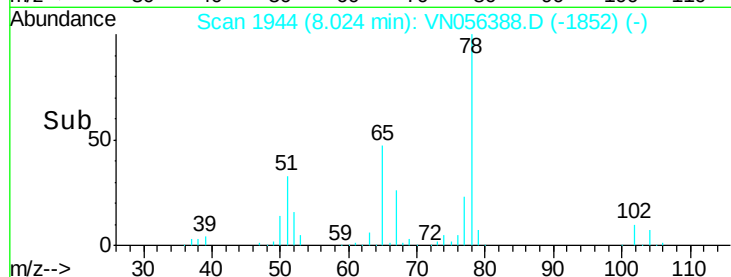
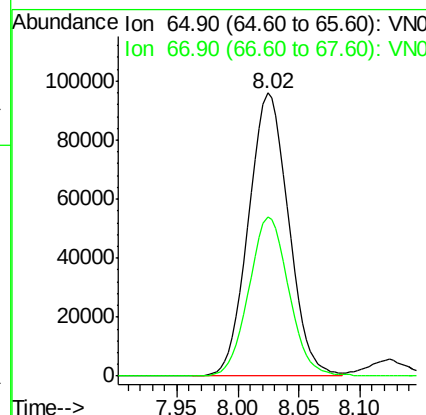
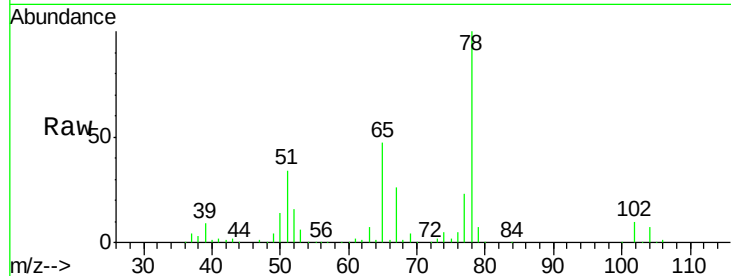
#33
 1,2-Dichloroethane-d4
 Concen: 49.803 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056388.D
 Acq: 20 Jun 2019 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	218381		
67	55.9	0.0	109.0	

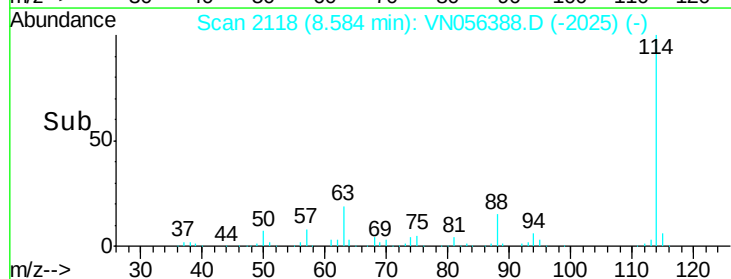
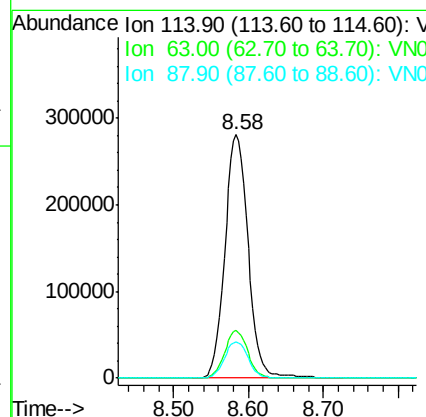
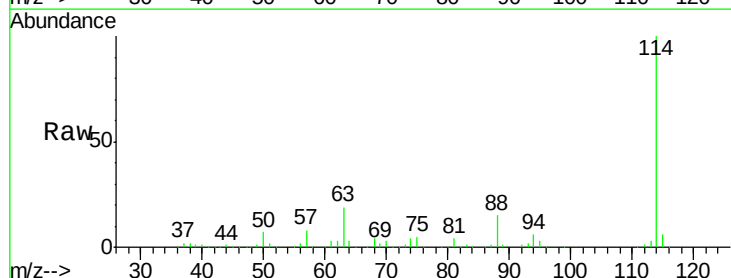
Manual Integrations
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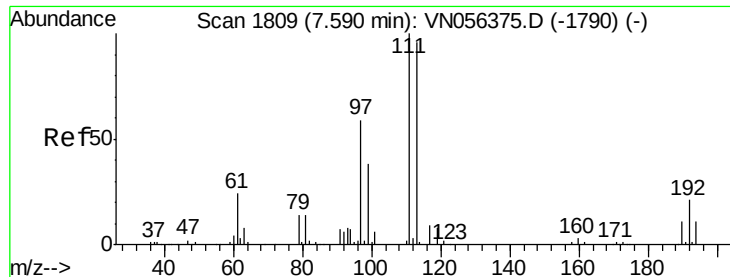
MMDadoda
 6/21/2019 10:50:30 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056388.D
 Acq: 20 Jun 2019 9:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	603186		
63	19.4	0.0	39.2	
88	14.8	0.0	31.4	





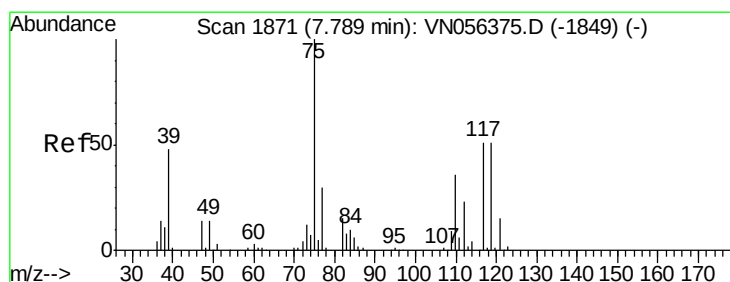
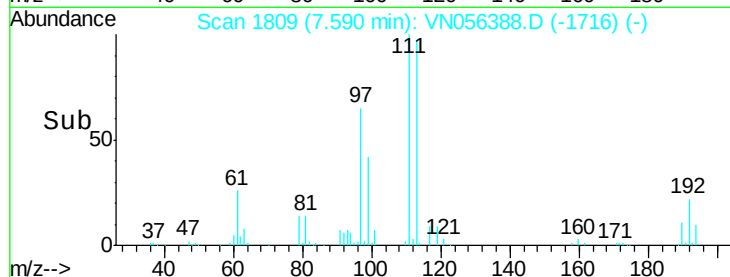
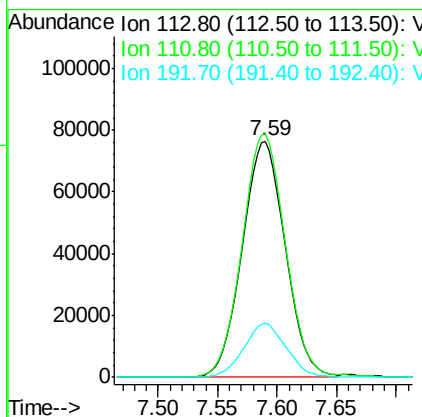
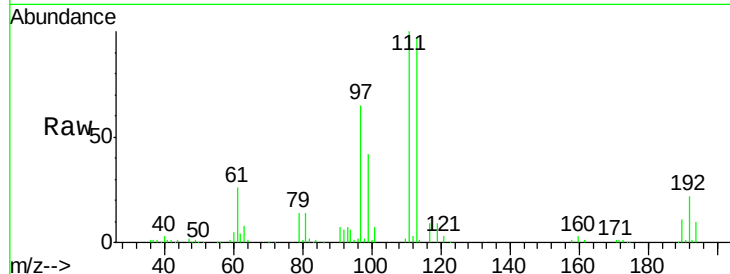
#35
Dibromofluoromethane
Concen: 50.853 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	191353		
111	104.2	82.9	124.3	
192	22.7	17.7	26.5	

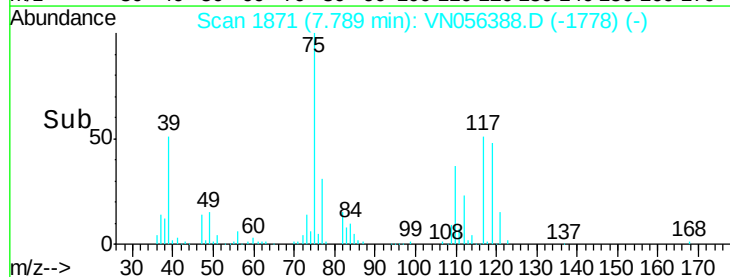
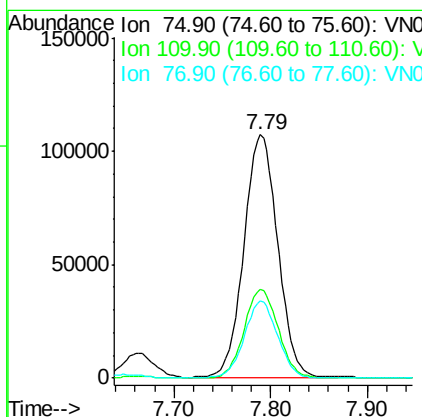
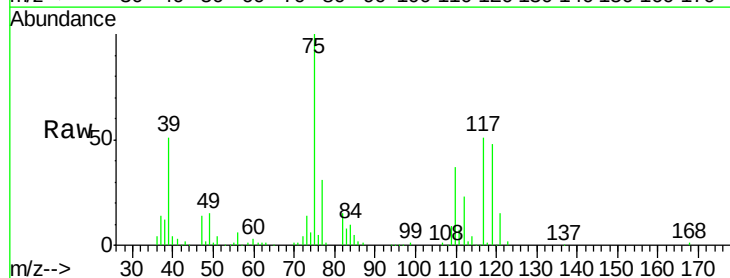
Manual Integrations
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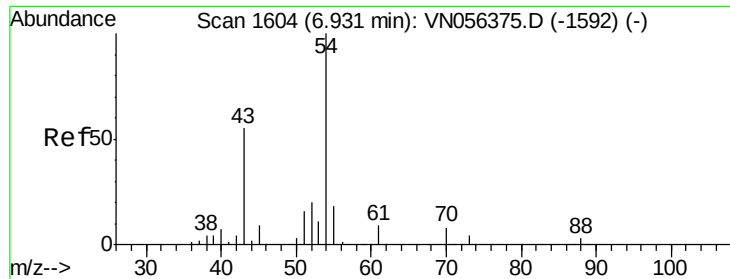
MMDadoda
6/21/2019 10:50:30 PM



#36
1,1-Dichloropropene
Concen: 49.032 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	260317		
110	36.8	18.1	54.3	
77	31.3	24.6	36.8	





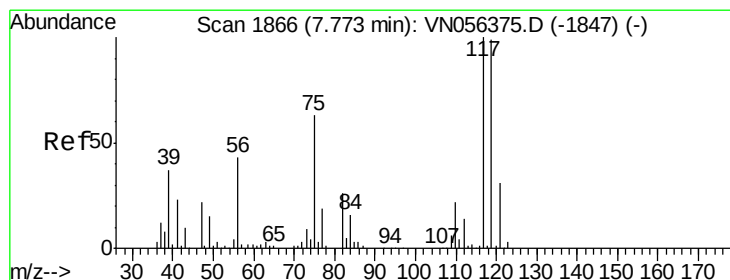
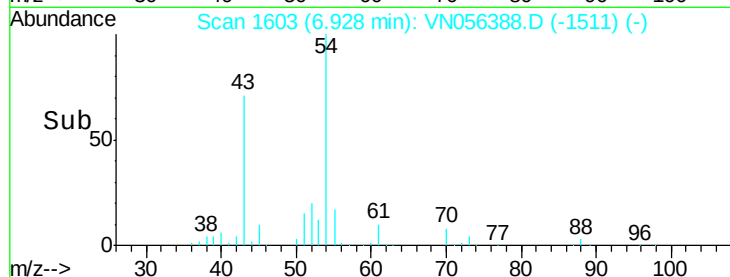
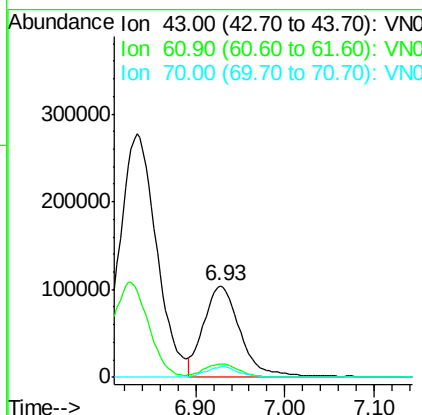
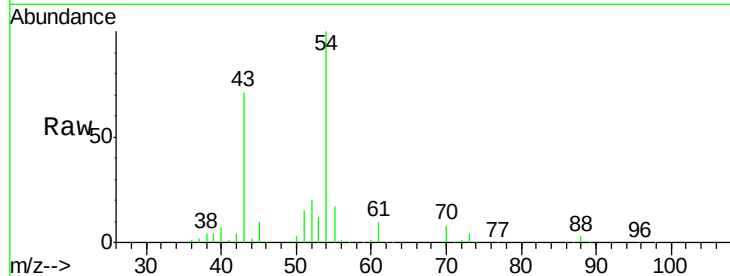
#37
Ethyl Acetate
Concen: 55.843 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.1	16.7
70	10.4	8.3	12.5

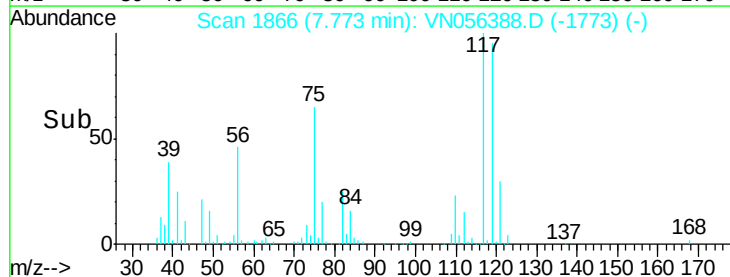
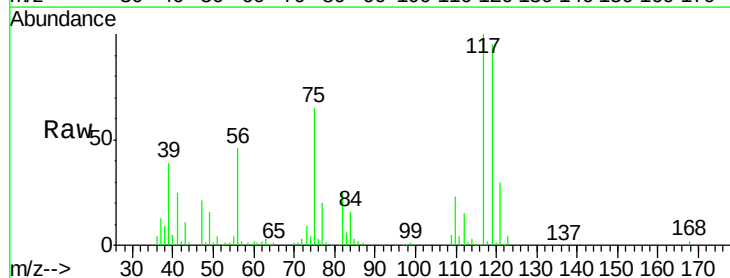
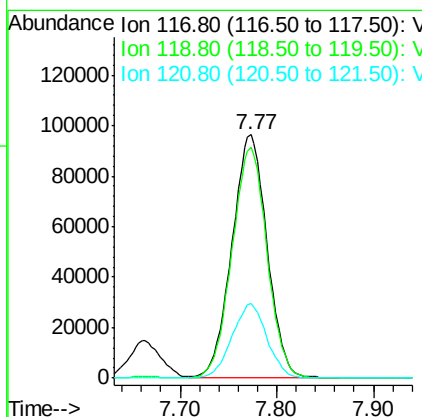
Manual Integrations
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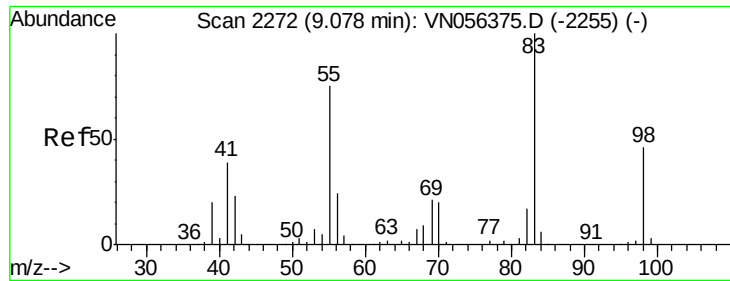
MMDadoda
6/21/2019 10:50:30 PM



#38
Carbon Tetrachloride
Concen: 52.469 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	79.1	118.7
121	30.5	24.8	37.2





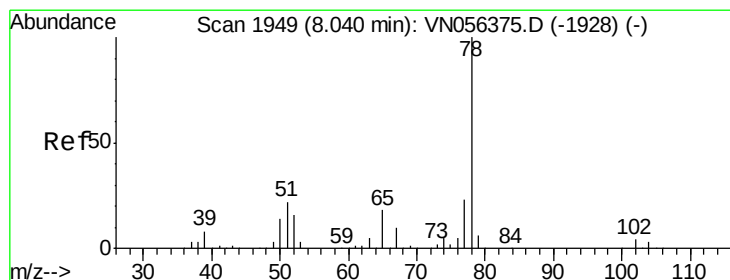
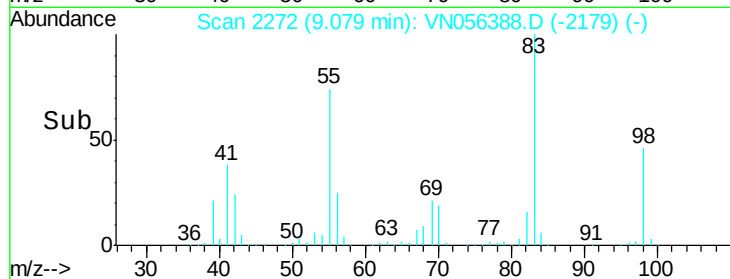
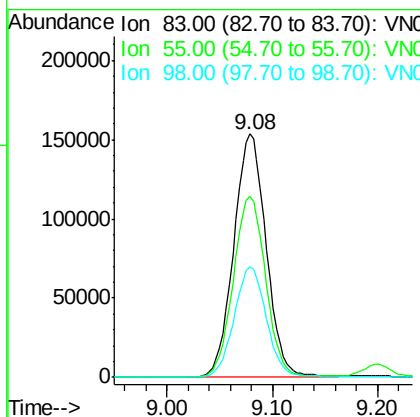
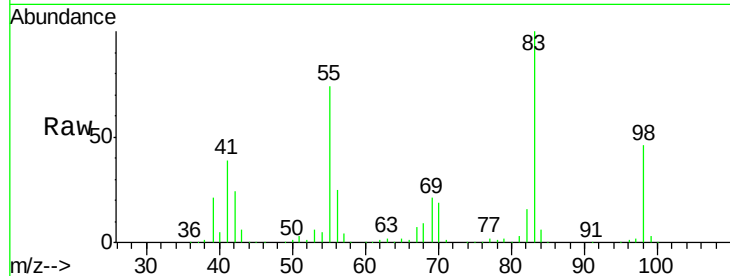
#39
Methylvlcyclohexane
Concen: 50.053 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.5	60.0	90.0
98	45.6	36.6	54.8

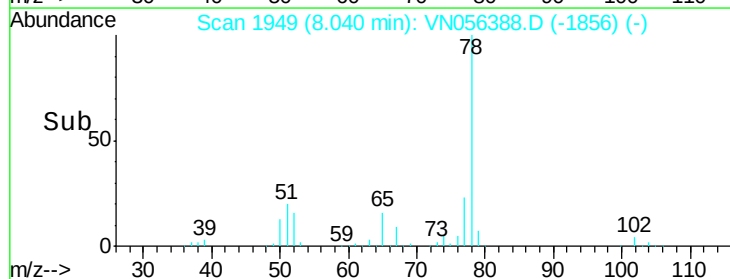
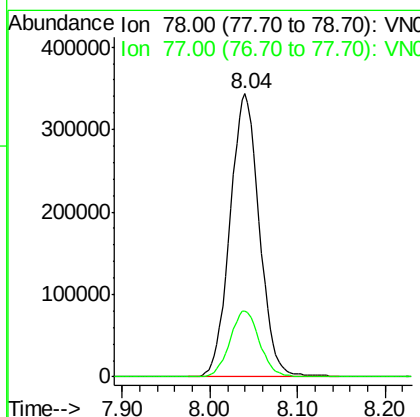
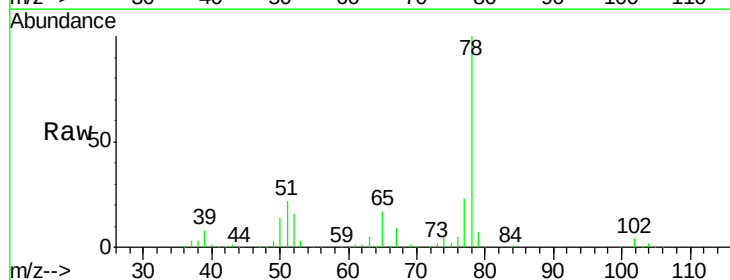
Manual Integrations
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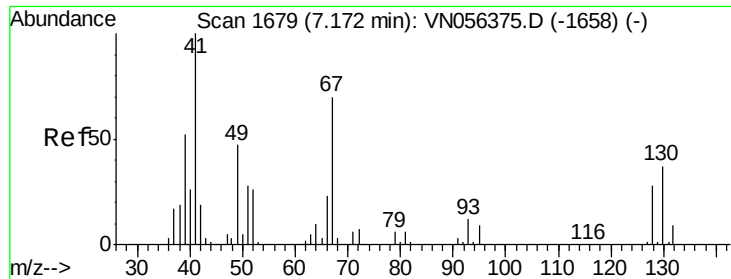
MMDadoda
6/21/2019 10:50:30 PM



#40
Benzene
Concen: 48.989 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.3	27.5





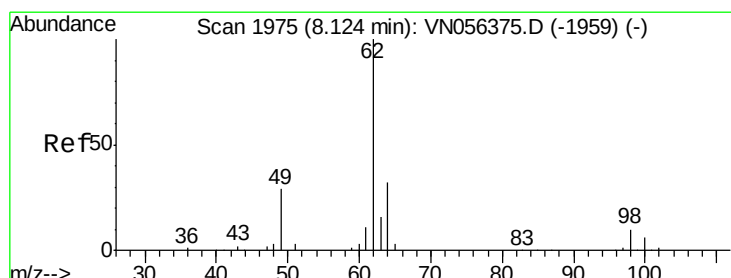
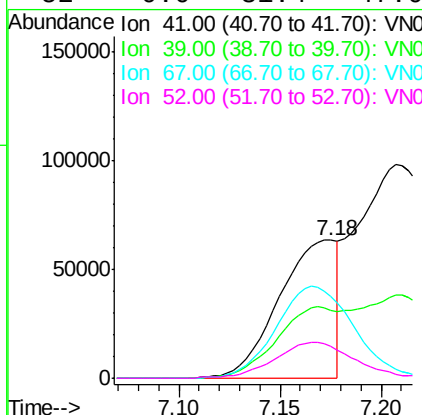
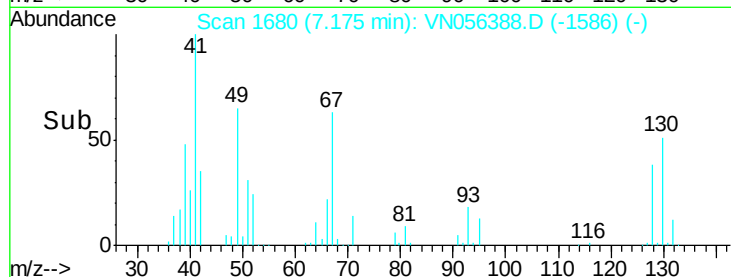
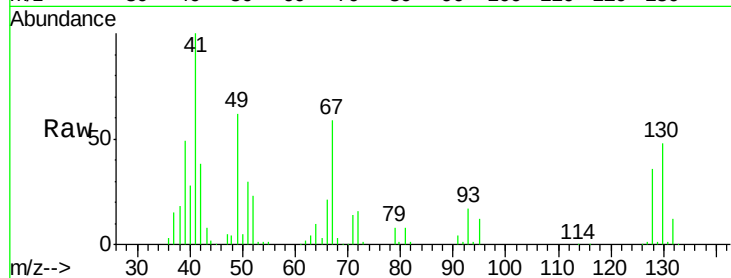
#41
Methacrylonitrile
Concen: 55.599 ug/l m
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	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#	

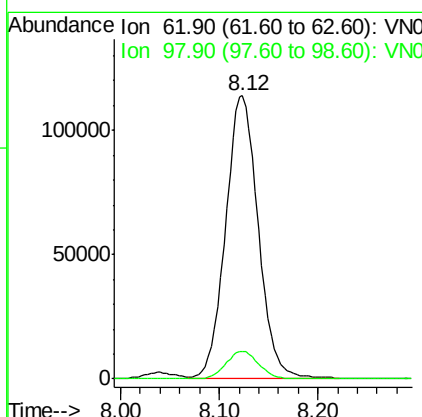
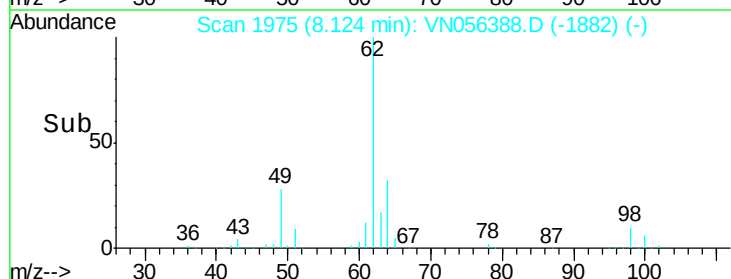
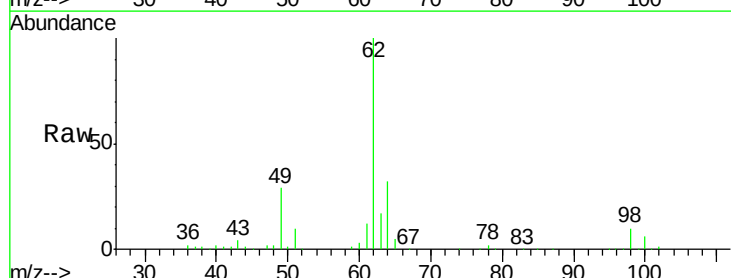
Manual Integrations
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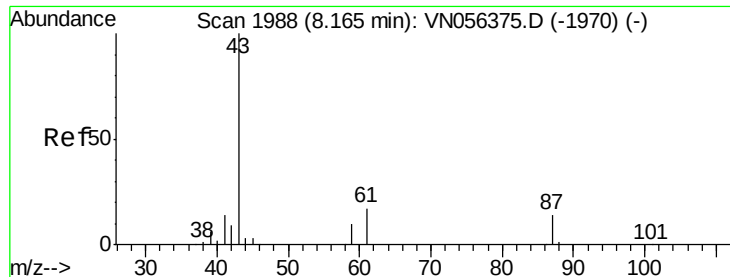
MMDadoda
6/21/2019 10:50:30 PM



#42
1,2-Dichloroethane
Concen: 48.519 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	9.9	0.0	19.4	





#43

Isopropyl Acetate

Concen: 54.860 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN056388.D

Acq: 20 Jun 2019 9:25

Instrument :

MSVOA_N

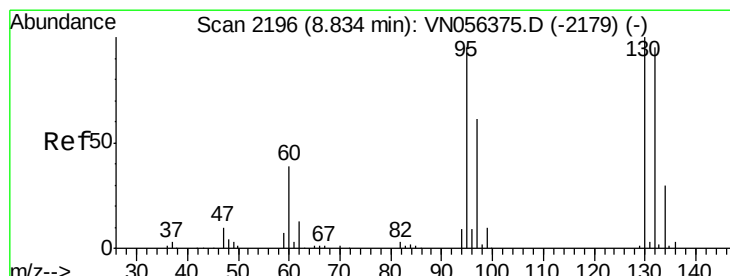
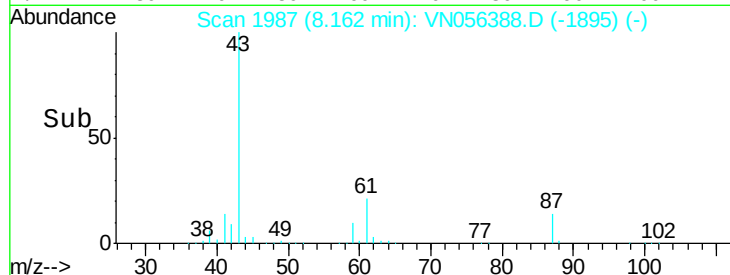
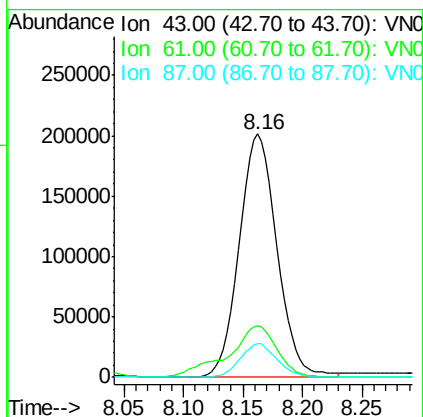
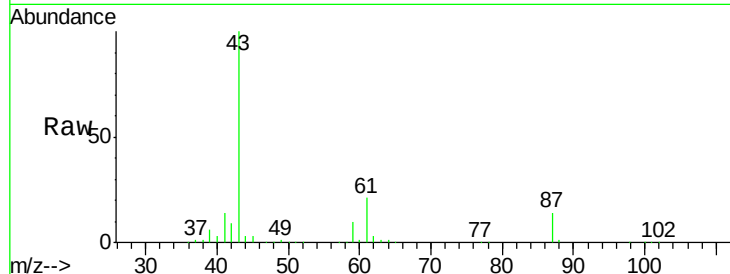
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	441360
Ion	Ratio	Lower	Upper
43	100		
61	27.1	22.0	33.0
87	13.8	11.0	16.4

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6/21/2019 10:50:30 PM



#44

Trichloroethene

Concen: 48.344 ug/l

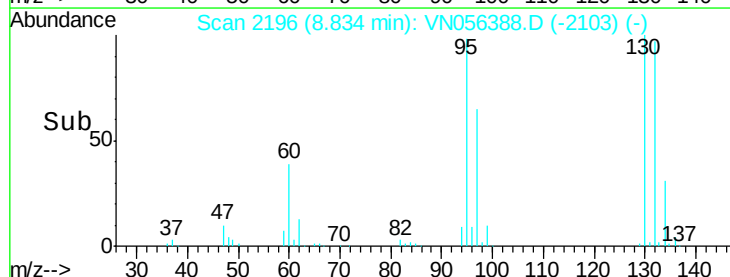
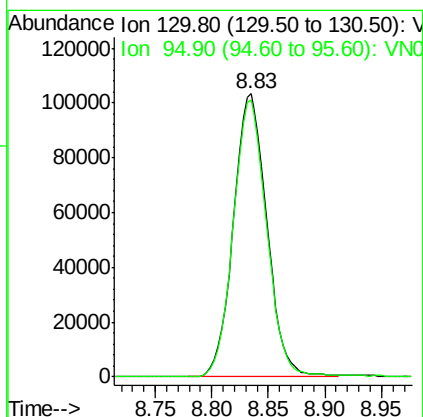
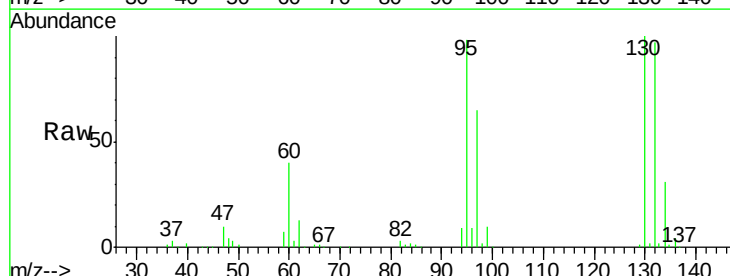
RT: 8.83 min Scan# 2196

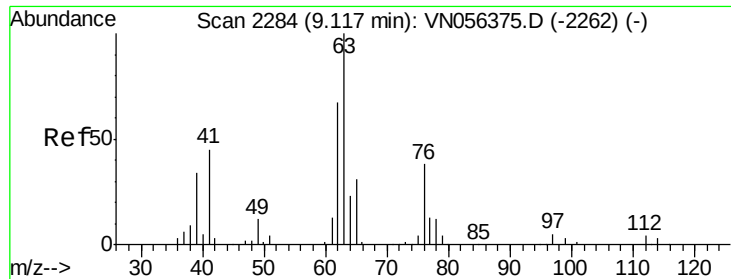
Delta R.T. 0.00 min

Lab File: VN056388.D

Acq: 20 Jun 2019 9:25

Tgt Ion:	130	Resp:	212672
Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	191.0





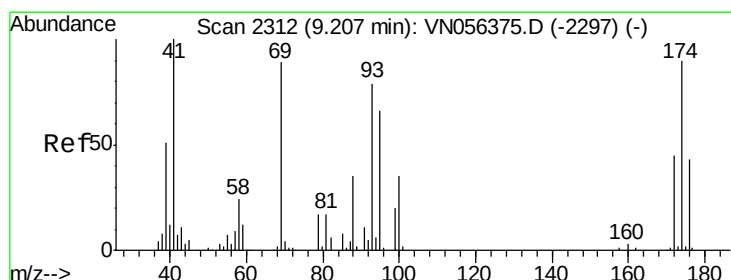
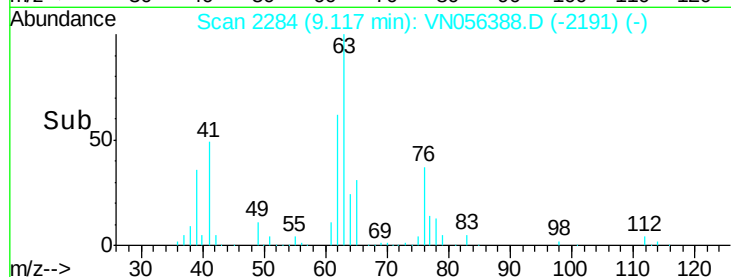
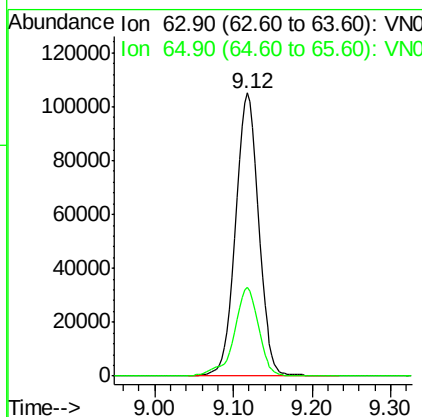
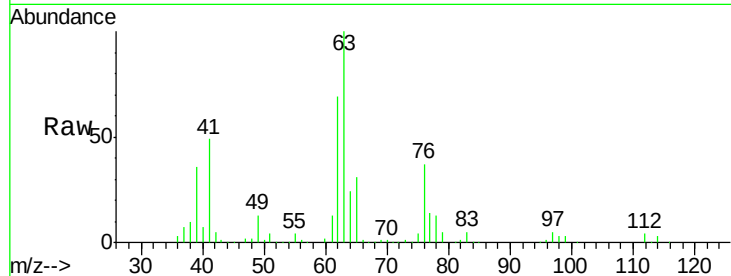
#45
 1,2-Dichloropropane
 Concen: 49.221 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056388.D
 Acq: 20 Jun 2019 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 214970
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.6

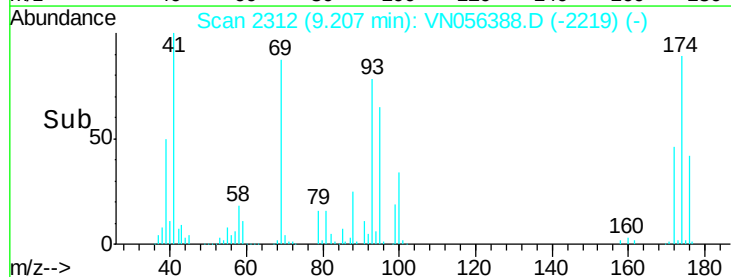
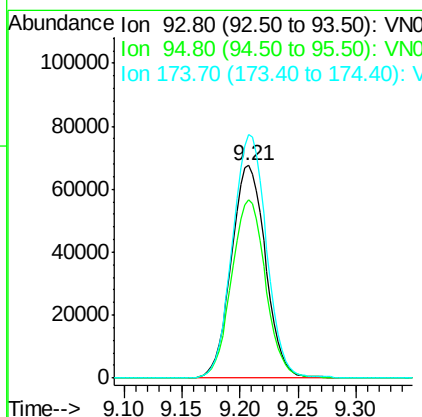
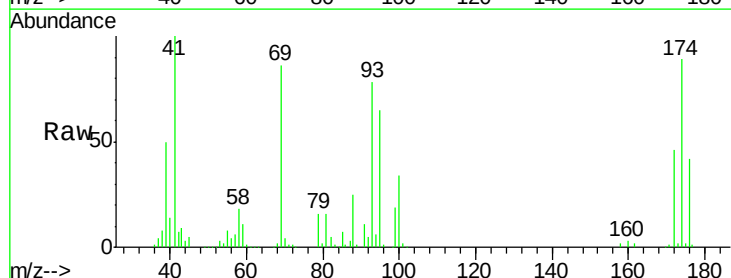
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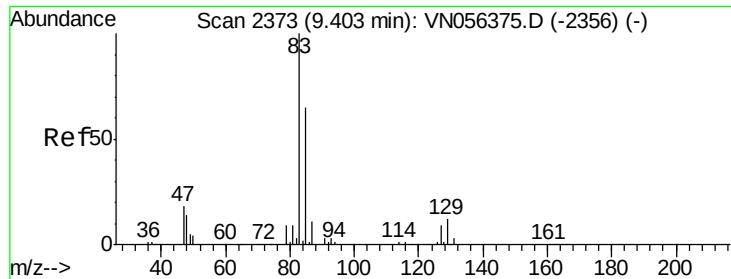
MMDadoda
 6/21/2019 10:50:30 PM



#46
 Dibromomethane
 Concen: 50.828 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056388.D
 Acq: 20 Jun 2019 9:25

Tgt Ion: 93 Resp: 138884
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.2 99.2
 174 113.6 90.8 136.2





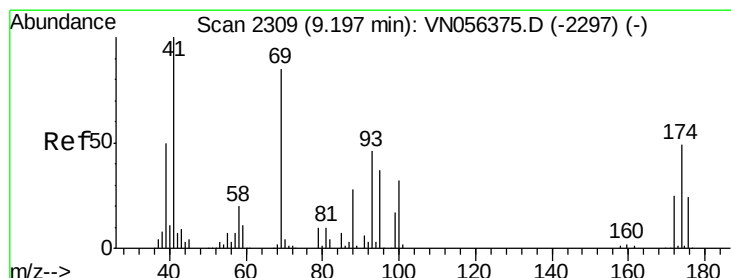
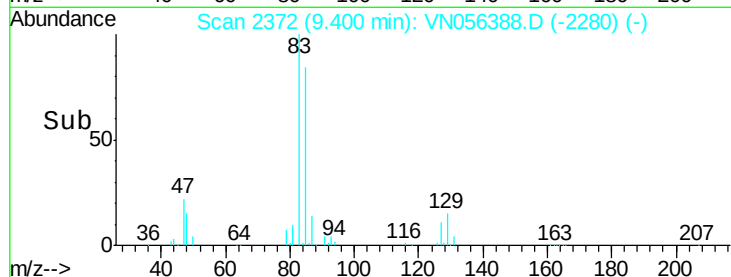
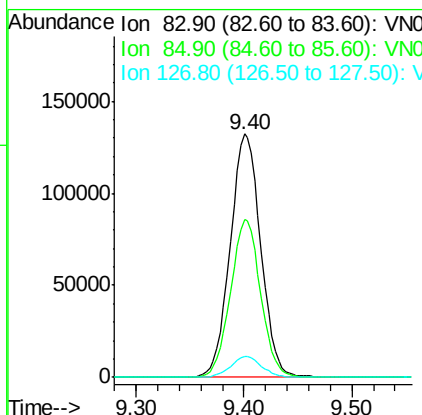
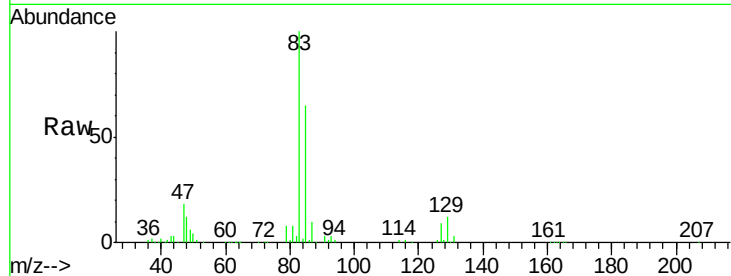
#47
Bromodichloromethane
Concen: 53.771 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	260584		
85	64.7	52.2	78.4	
127	8.8	7.3	10.9	

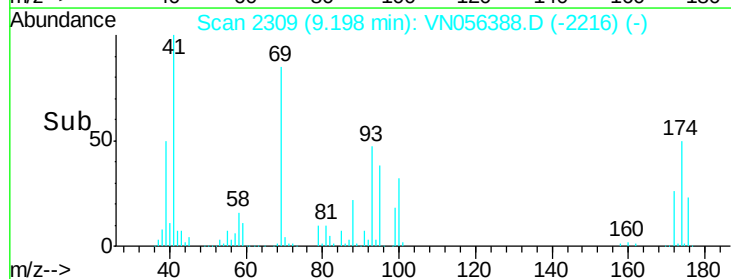
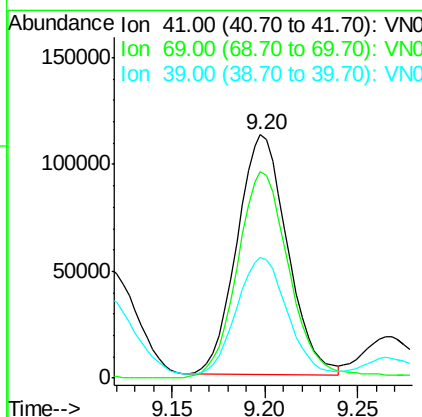
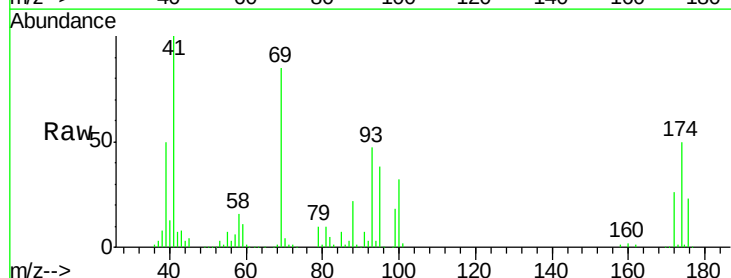
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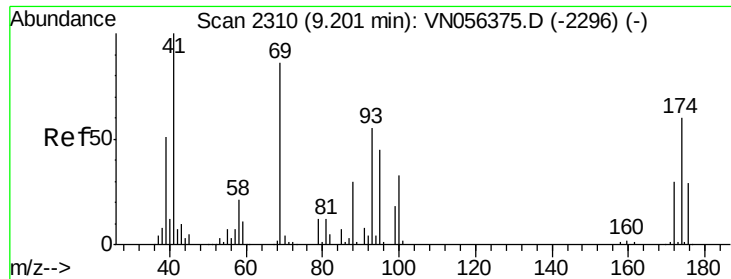
MMDadoda
6/21/2019 10:50:30 PM



#48
Methyl methacrylate
Concen: 52.356 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	211081		
69	89.3	72.6	109.0	
39	52.1	42.6	63.8	





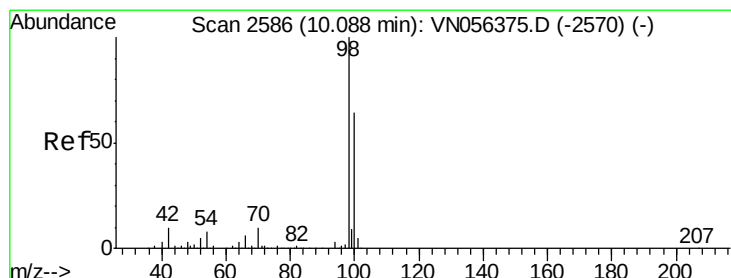
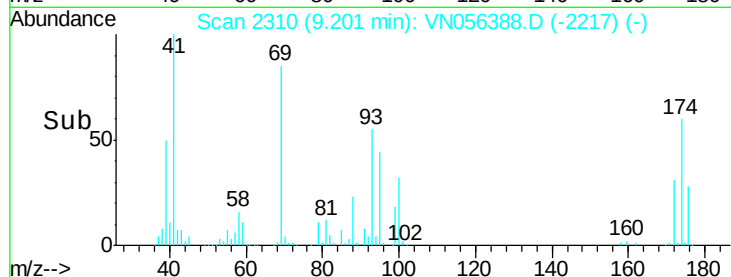
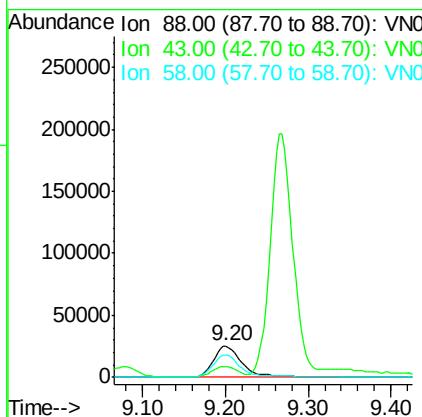
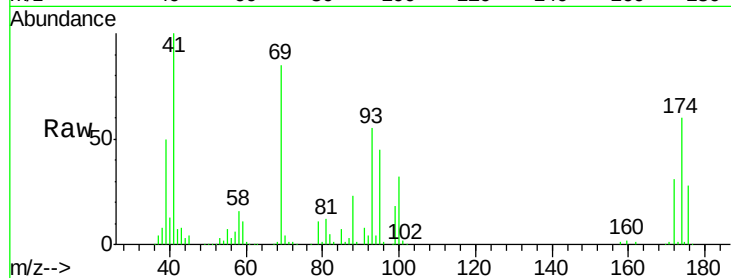
#49
1,4-Dioxane
Concen: 727.974 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	88	Resp	60906
Ion	Ratio	Lower	Upper
88	100		
43	29.6	22.0	33.0
58	67.0	51.8	77.8

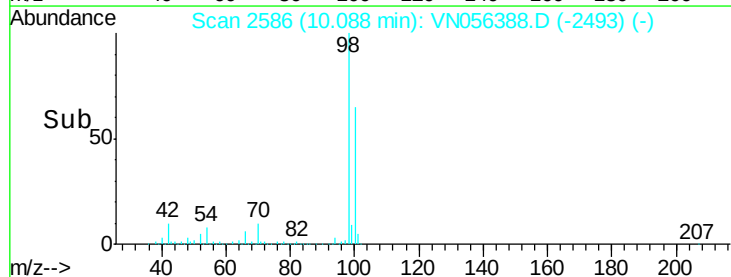
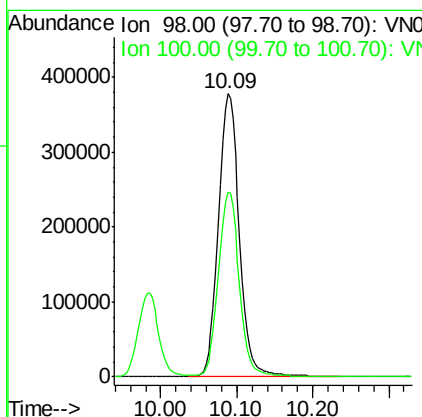
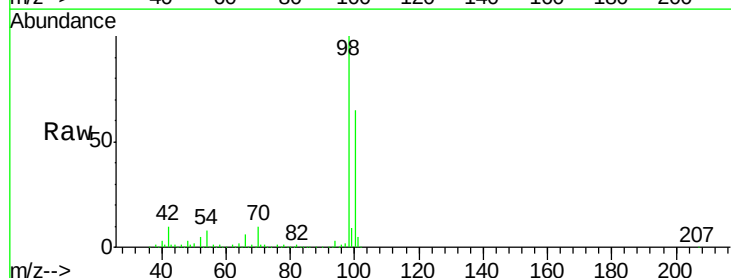
Manual Integrations
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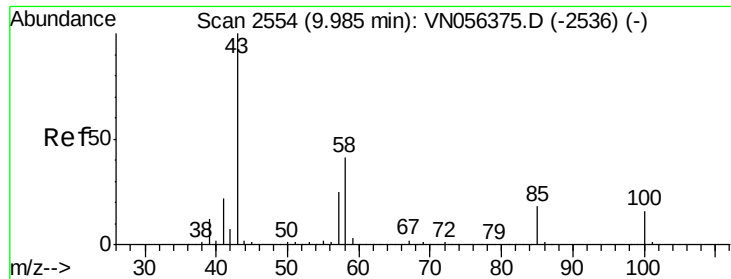
MMDadoda
6/21/2019 10:50:30 PM



#50
Toluene-d8
Concen: 49.404 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Tgt Ion	98	Resp	723362
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 272.875 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056388.D

Acq: 20 Jun 2019 9:25

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1416954

Ion Ratio Lower Upper

43 100

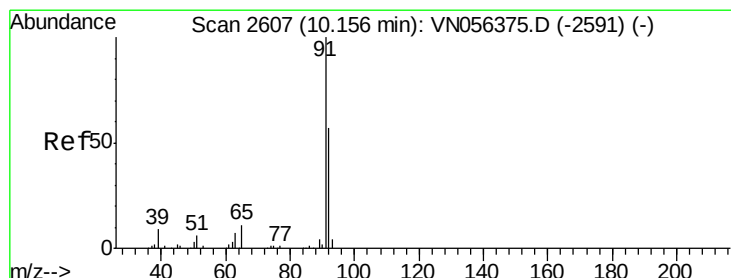
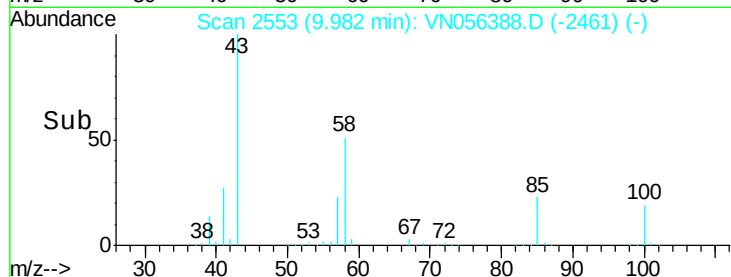
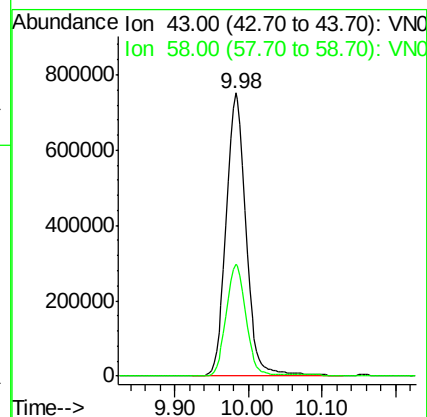
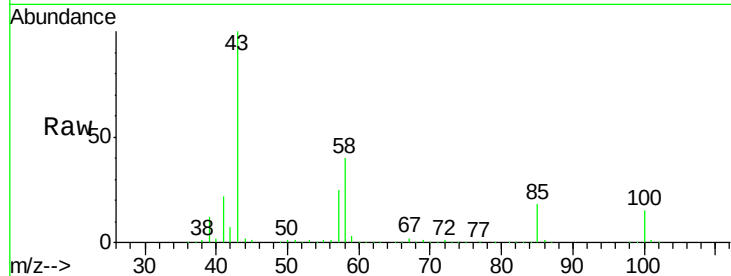
58 39.5 31.8 47.8

Manual Integrations

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MMDadoda

6/21/2019 10:50:30 PM



#52

Toluene

Concen: 49.084 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056388.D

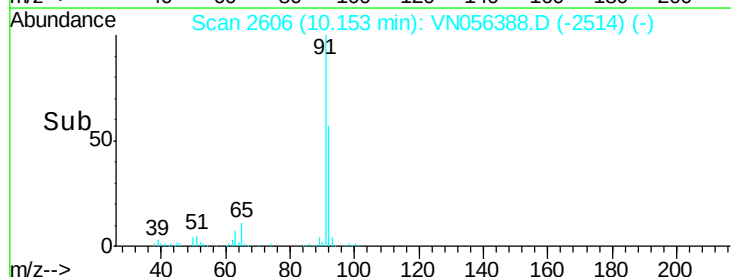
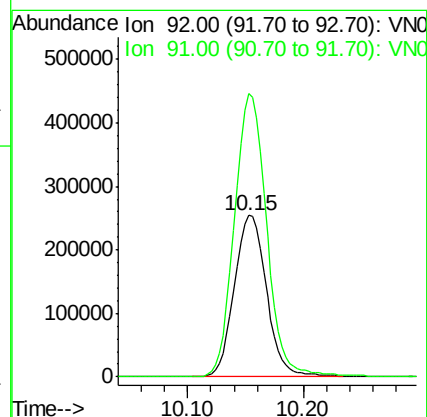
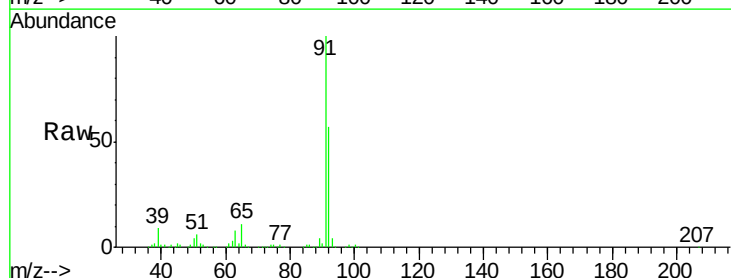
Acq: 20 Jun 2019 9:25

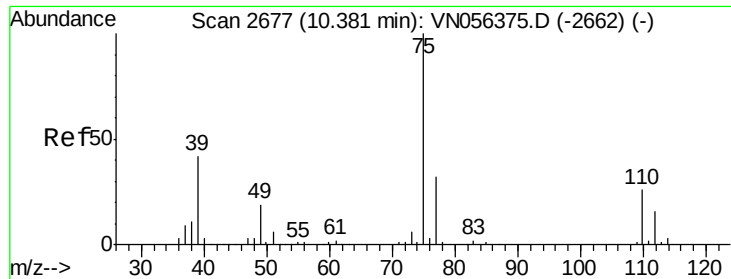
Tgt Ion: 92 Resp: 490069

Ion Ratio Lower Upper

92 100

91 175.6 140.6 211.0





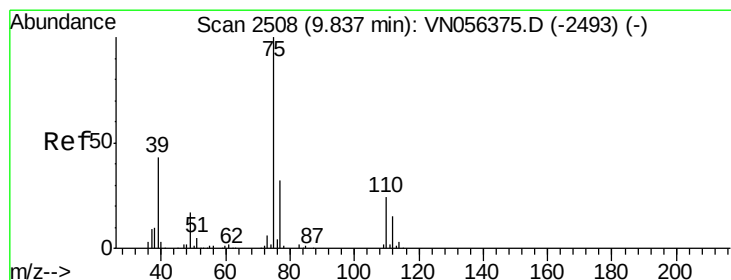
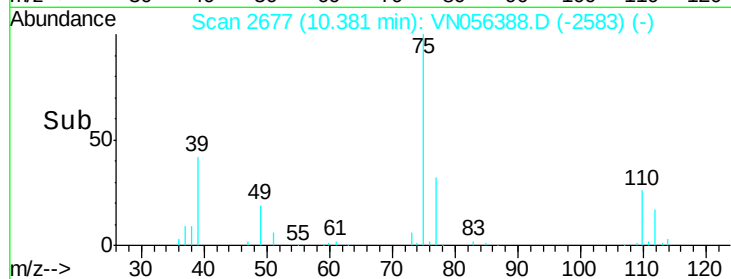
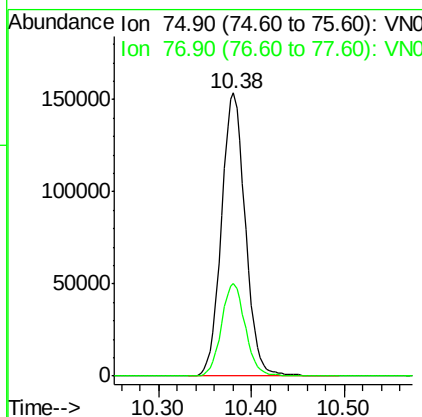
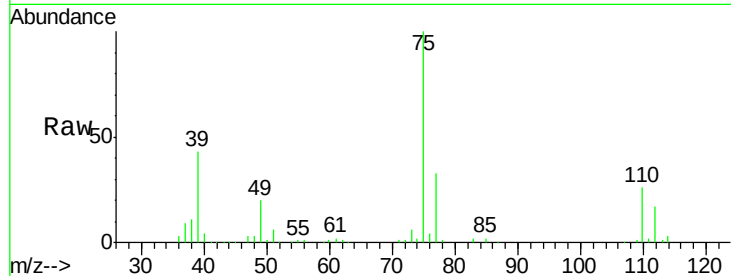
#53
t-1,3-Dichloropropene
Concen: 48.748 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100	274718		
77	32.6	25.4	38.2	

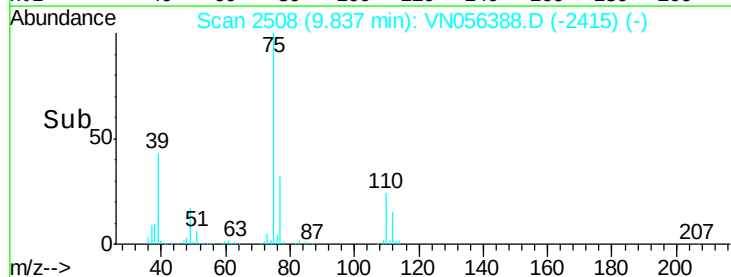
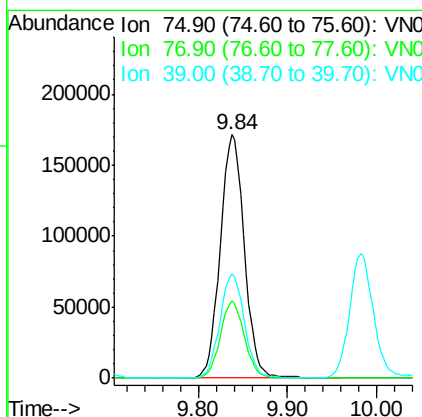
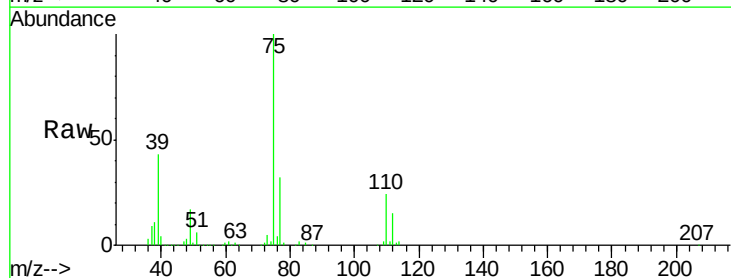
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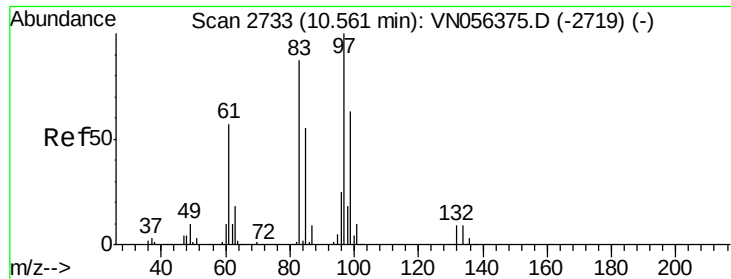
MMDadoda
6/21/2019 10:50:30 PM



#54
cis-1,3-Dichloropropene
Concen: 54.829 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	319977		
77	31.6	25.2	37.8	
39	42.8	34.2	51.4	





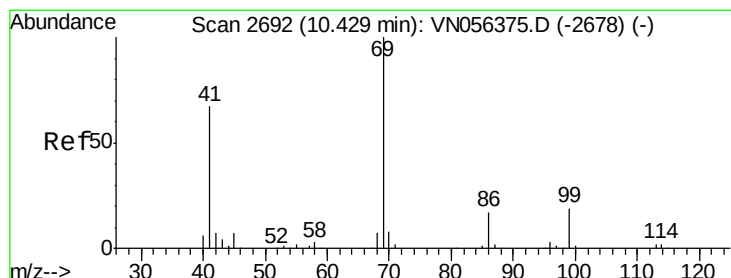
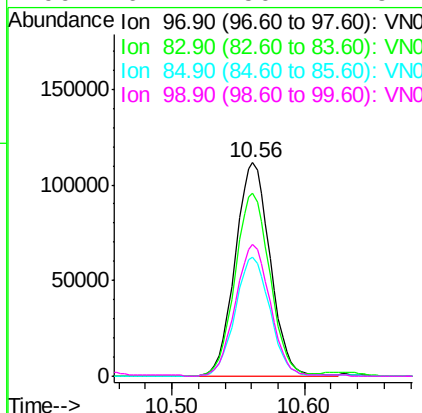
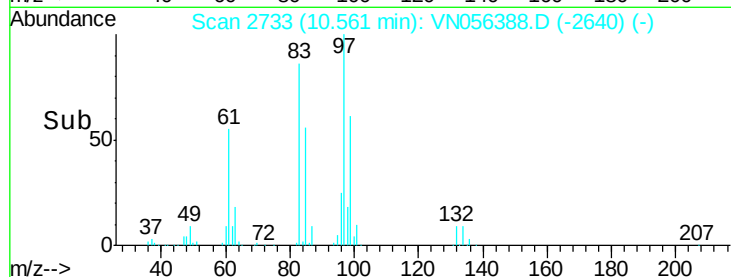
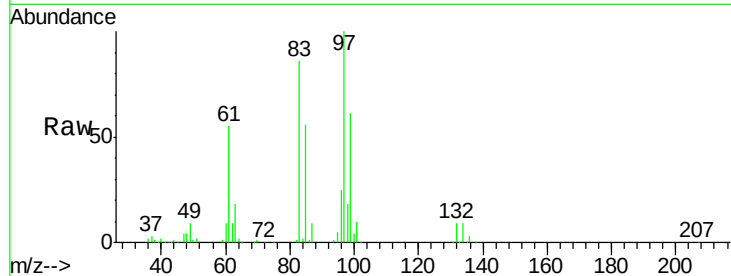
#55
 1,1,2-Trichloroethane
 Concen: 51.064 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056388.D
 Acq: 20 Jun 2019 9:25

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:	97	Resp:	204933
Ion	Ratio	Lower	Upper
97	100		
83	85.7	69.8	104.6
85	56.0	43.8	65.8
99	61.2	50.2	75.2

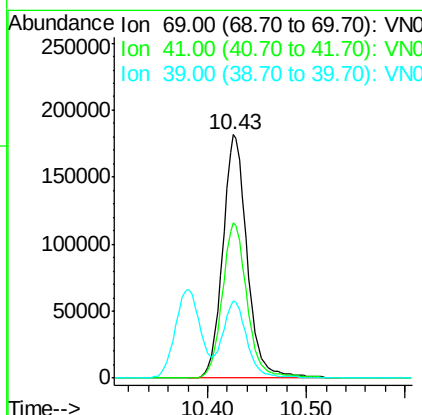
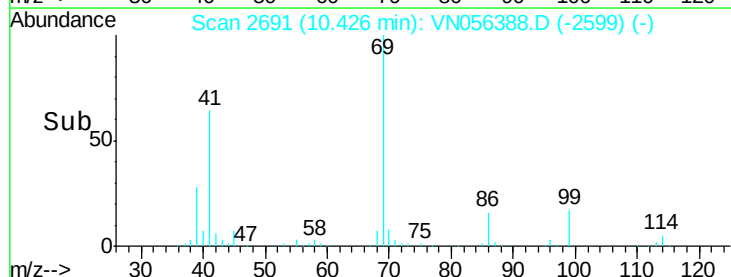
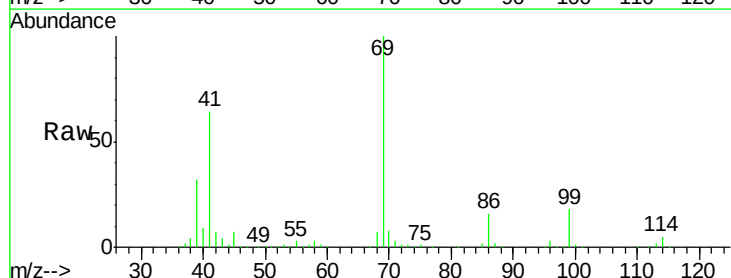
Manual Integrations
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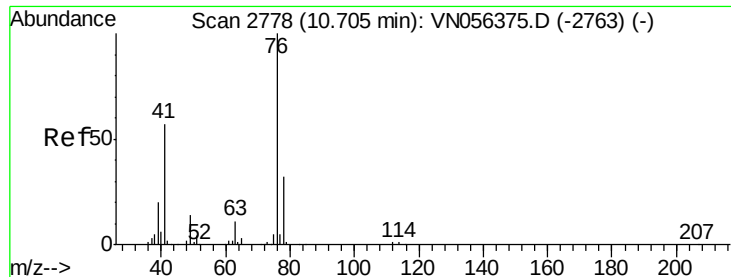
MMDadoda
 6/21/2019 10:50:30 PM



#56
 Ethyl methacrylate
 Concen: 53.786 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN056388.D
 Acq: 20 Jun 2019 9:25

Tgt Ion:	69	Resp:	315458
Ion	Ratio	Lower	Upper
69	100		
41	64.4	51.4	77.2
39	31.8	24.7	37.1





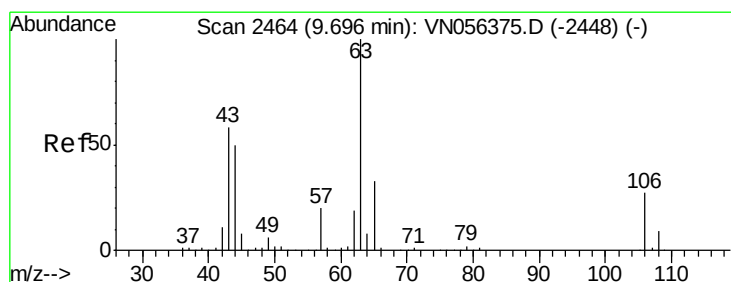
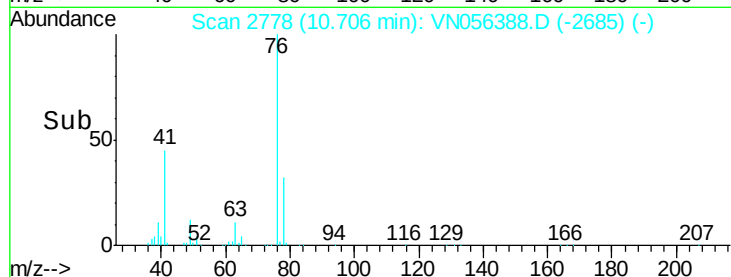
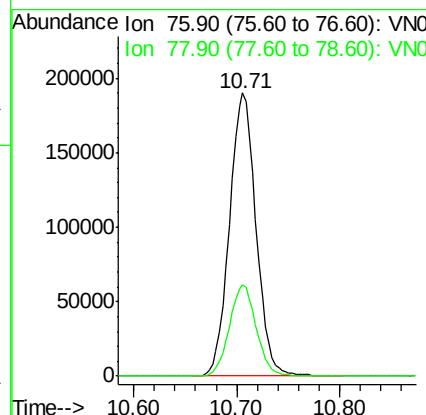
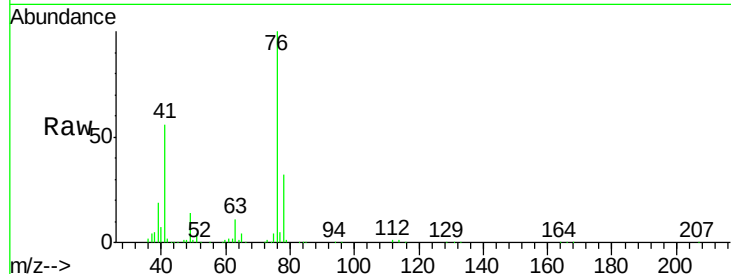
#57
 1,3-Dichloropropane
 Concen: 50.561 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056388.D
 Acq: 20 Jun 2019 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 340884
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.9 38.9

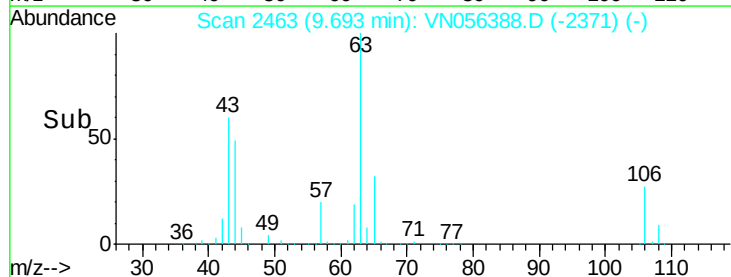
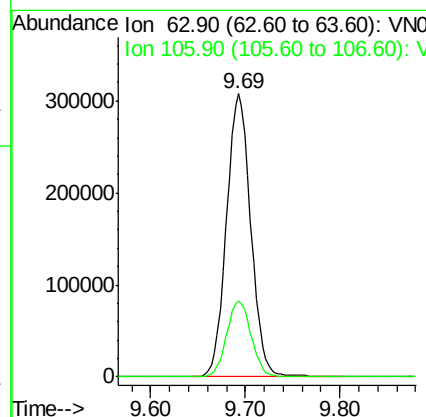
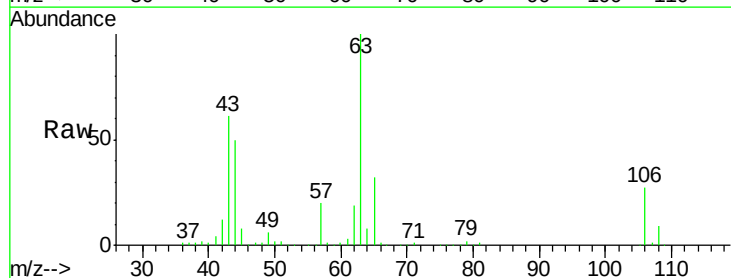
Manual Integrations
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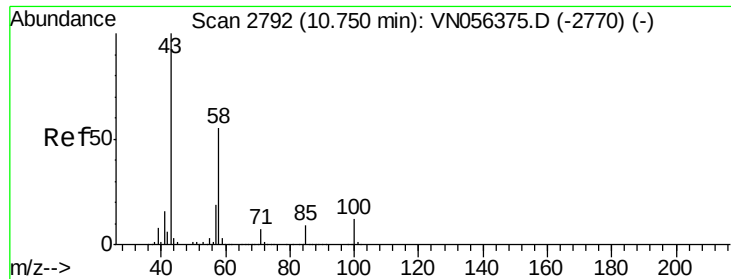
MMDadoda
 6/21/2019 10:50:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 260.841 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN056388.D
 Acq: 20 Jun 2019 9:25

Tgt Ion: 63 Resp: 549605
 Ion Ratio Lower Upper
 63 100
 106 26.9 21.6 32.4





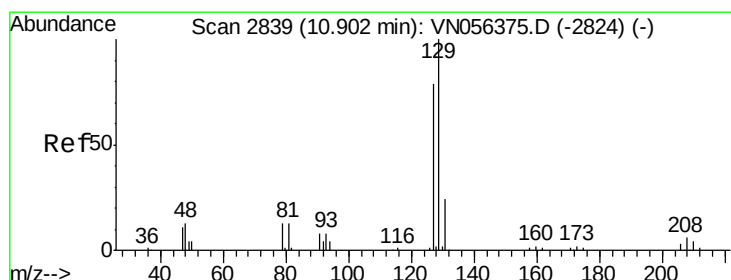
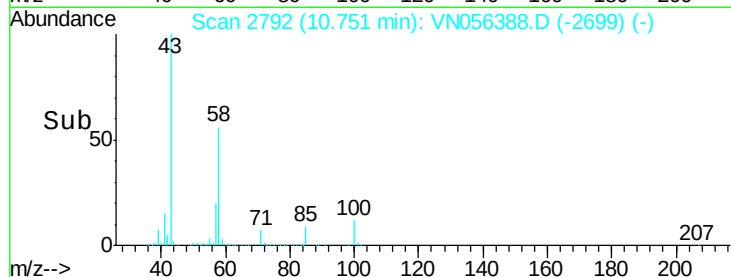
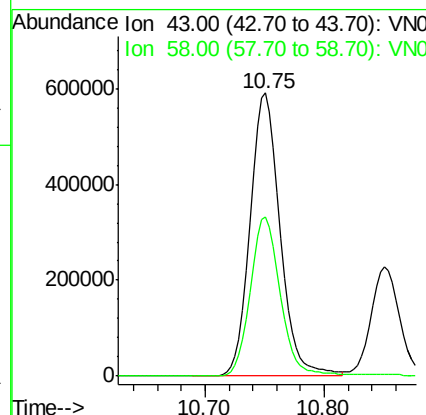
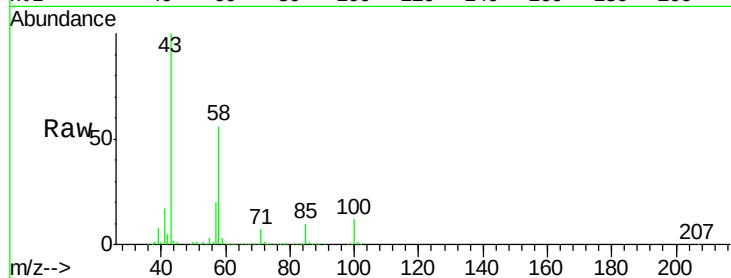
#59
2-Hexanone
Concen: 269.594 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1028893
Ion Ratio Lower Upper
43 100
58 56.5 27.8 83.4

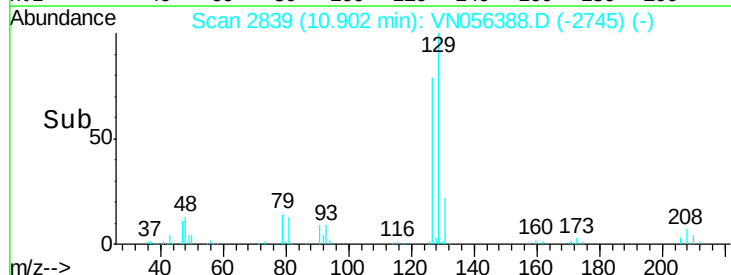
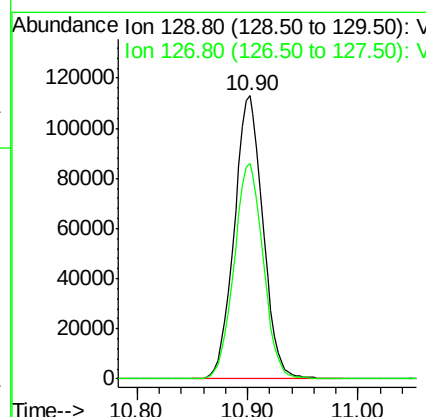
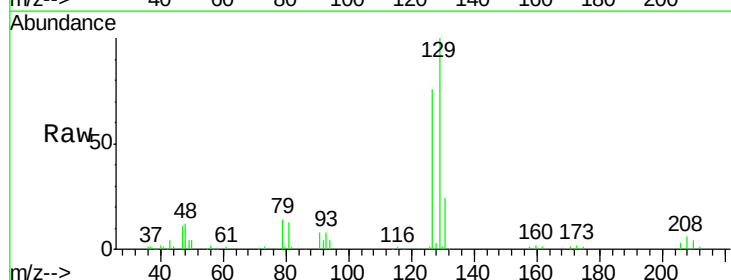
Manual Integrations
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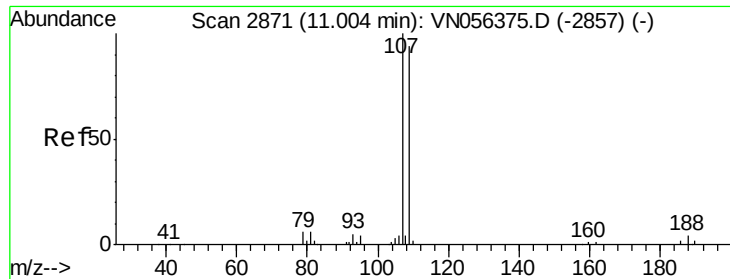
MMDadoda
6/21/2019 10:50:30 PM



#60
Dibromochloromethane
Concen: 49.503 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Tgt Ion: 129 Resp: 204102
Ion Ratio Lower Upper
129 100
127 77.0 38.9 116.7





#61

1,2-Dibromoethane

Concen: 51.426 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056388.D

Acq: 20 Jun 2019 9:25

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 107 Resp: 210793

Ion Ratio Lower Upper

107 100

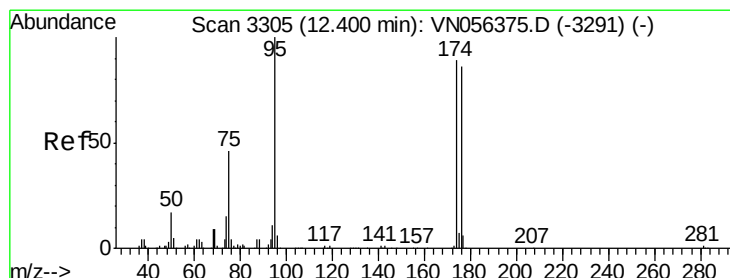
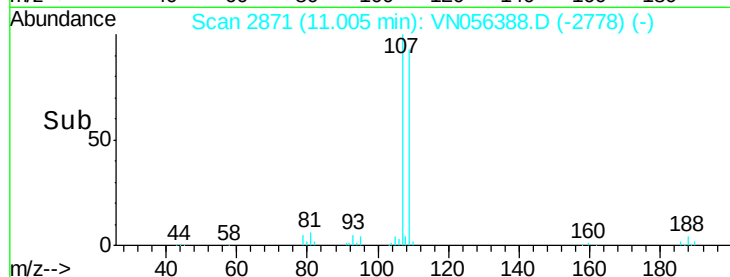
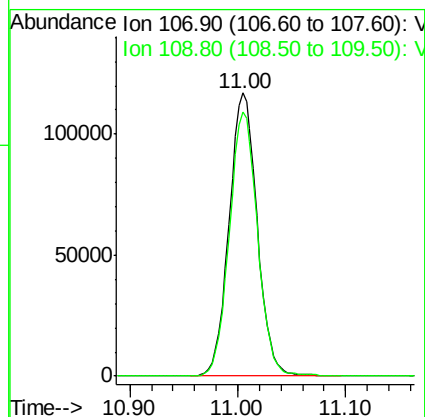
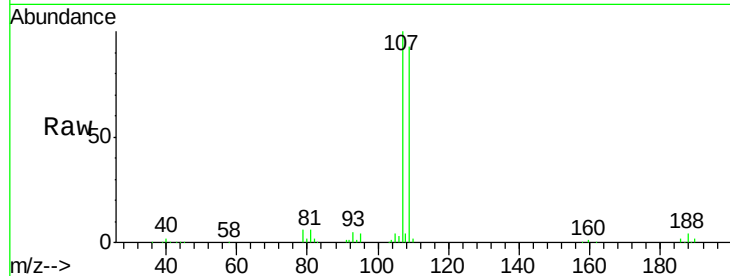
109 94.0 75.3 112.9

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 50.389 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056388.D

Acq: 20 Jun 2019 9:25

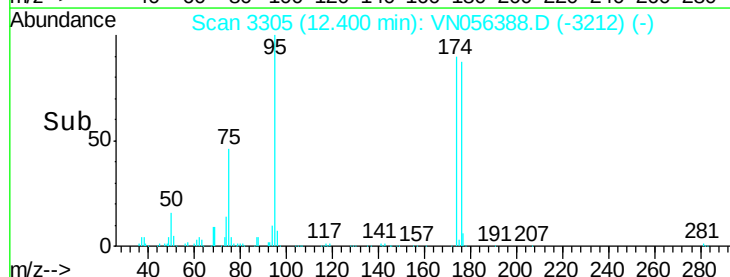
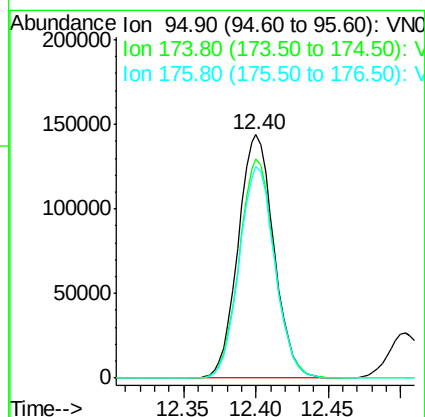
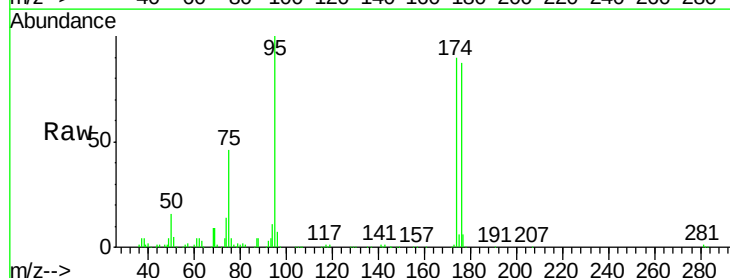
Tgt Ion: 95 Resp: 245944

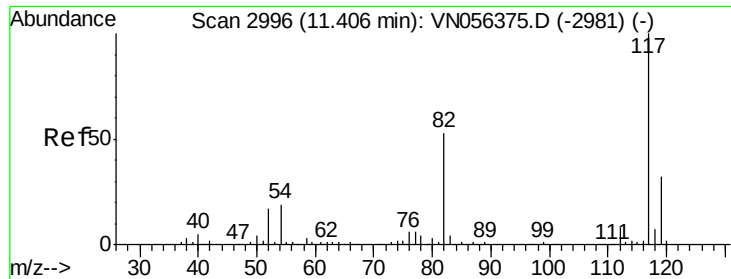
Ion Ratio Lower Upper

95 100

174 89.3 0.0 179.4

176 86.6 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: VN056388.D

Acq: 20 Jun 2019 9:25

Instrument :

MSVOA_N

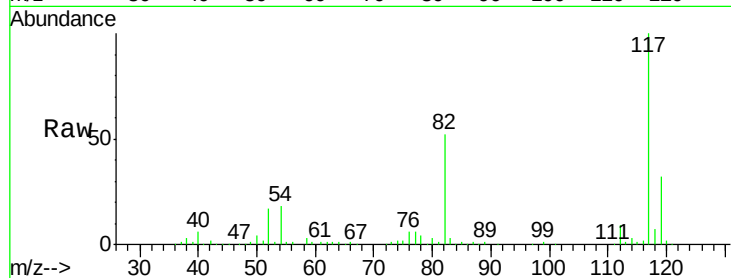
ClientSampleId :

VSTDCCC050

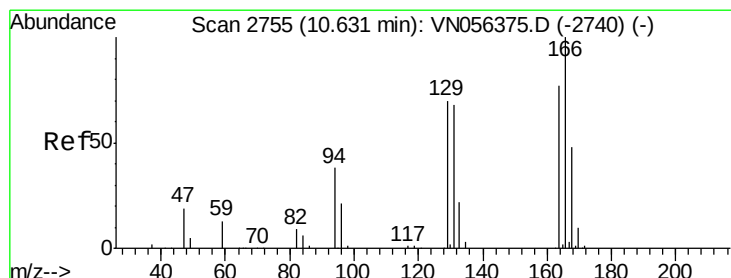
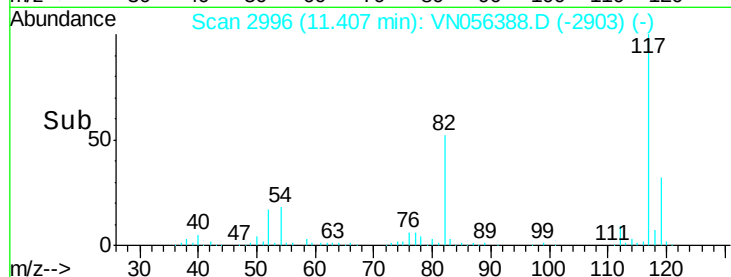
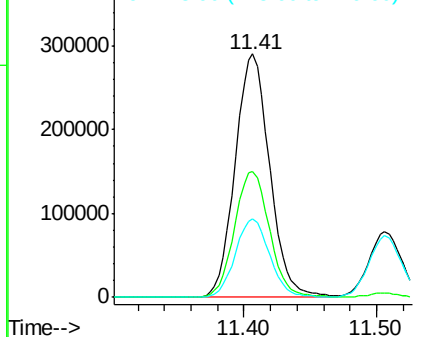
Tot Ion:	117	Resp:	525903
Ion Ratio	Lower	Upper	
117	100		
82	51.9	42.0	63.0
119	32.1	25.3	37.9

Manual Integrations
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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: 47.617 ug/l

RT: 10.63 min Scan# 2754

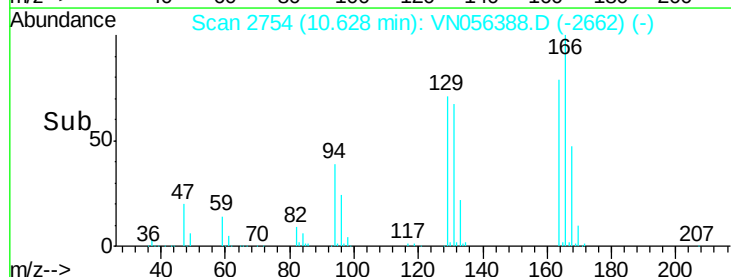
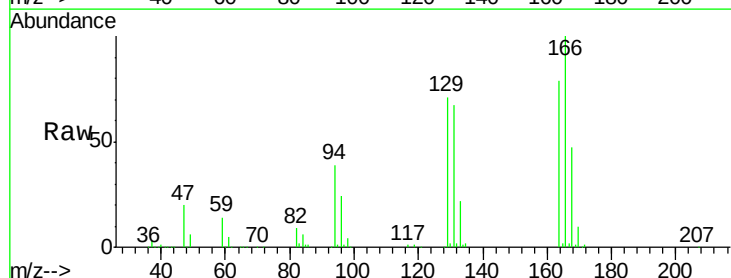
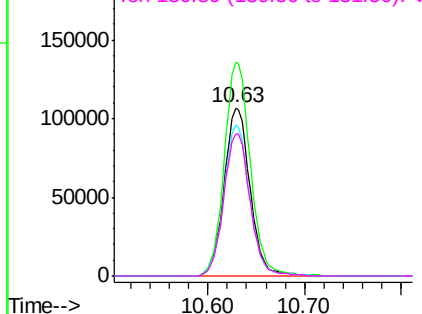
Delta R.T. -0.00 min

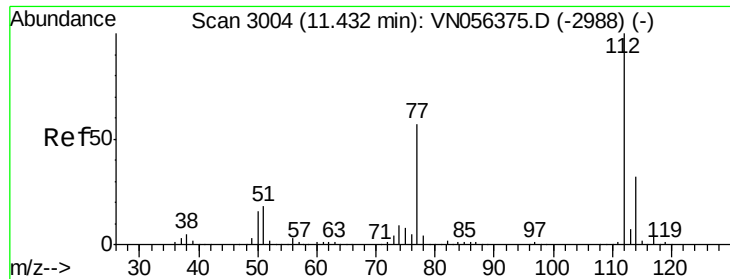
Lab File: VN056388.D

Acq: 20 Jun 2019 9:25

Tgt Ion:	164	Resp:	198312
Ion Ratio	Lower	Upper	
164	100		
166	127.0	103.4	155.0
129	90.0	72.0	108.0
131	84.8	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





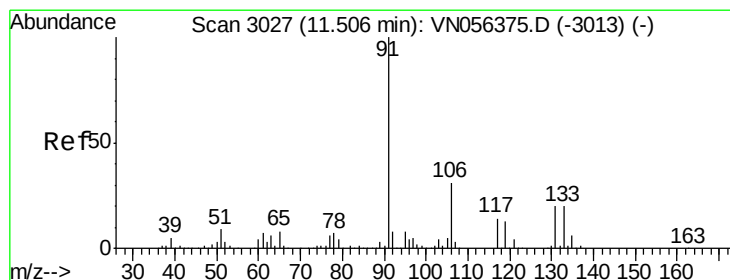
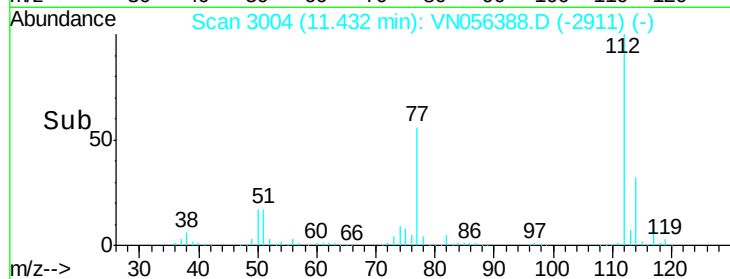
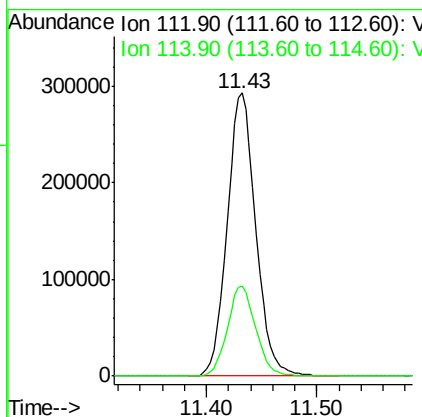
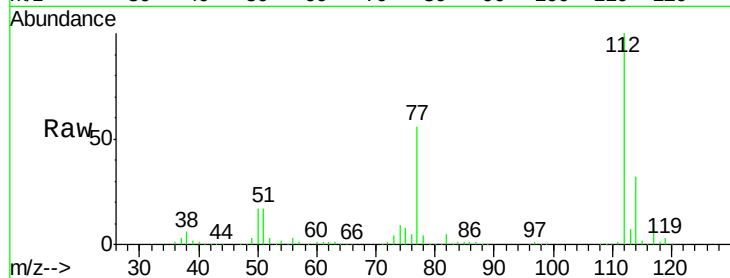
#65
Chlorobenzene
Concen: 49.717 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 525379
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2

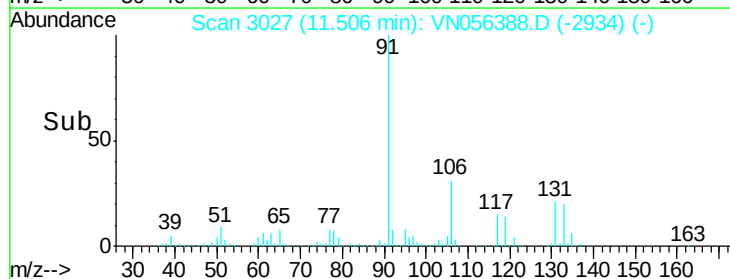
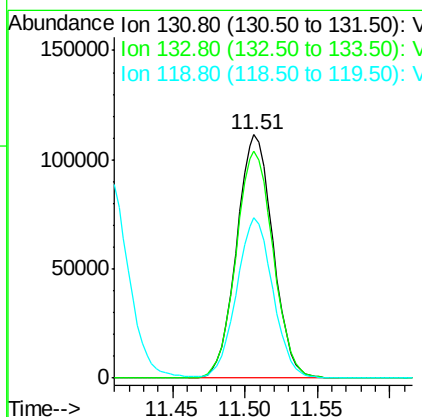
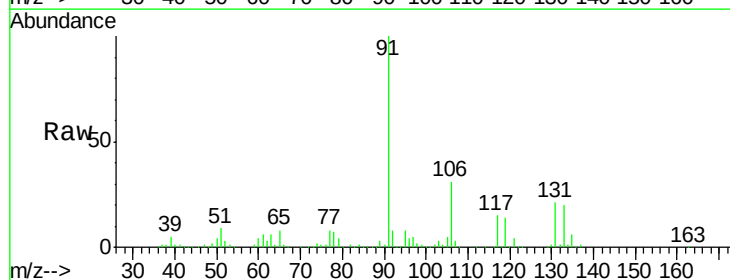
Manual Integrations
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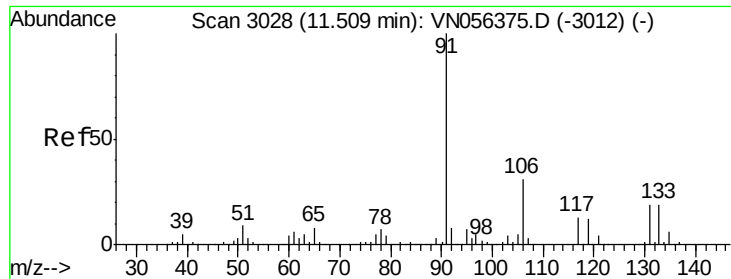
MMDadoda
6/21/2019 10:50:30 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.368 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Tgt Ion:131 Resp: 194175
Ion Ratio Lower Upper
131 100
133 95.3 47.4 142.2
119 65.6 32.8 98.4





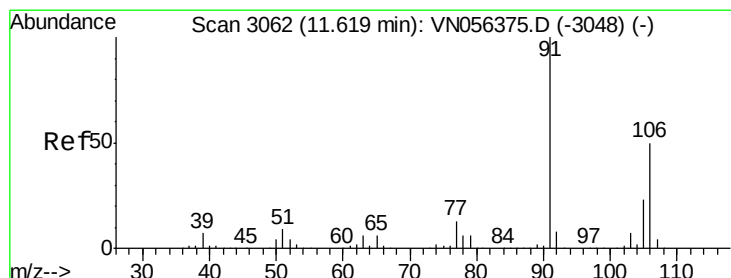
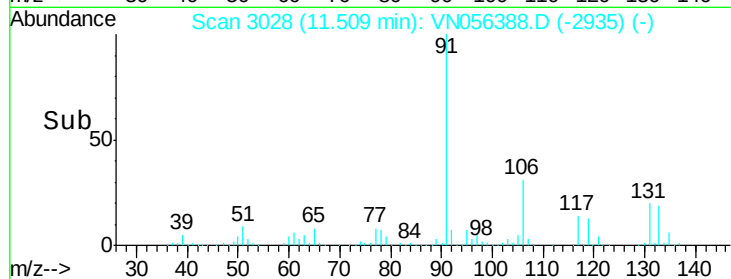
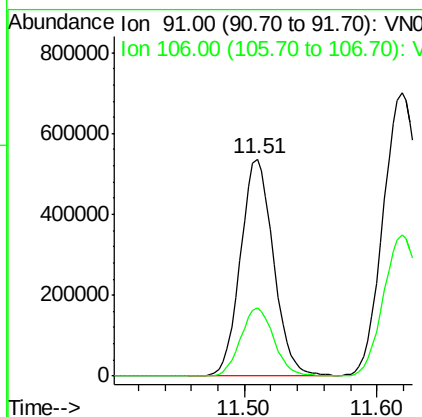
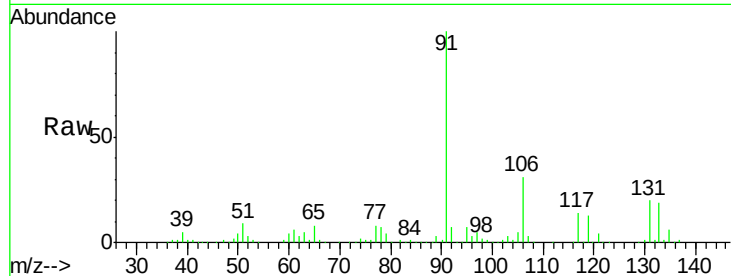
#67
Ethyl Benzene
Concen: 50.010 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 927924
Ion Ratio Lower Upper
91 100
106 31.4 25.1 37.7

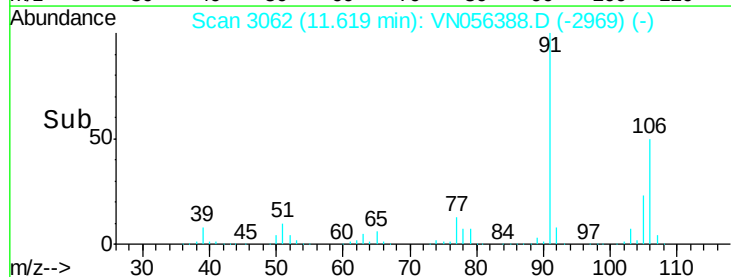
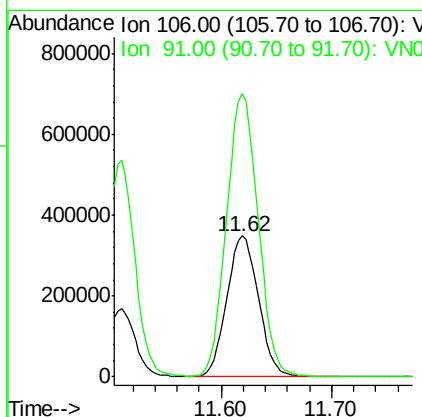
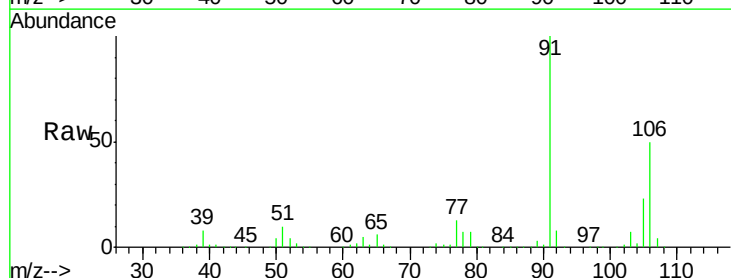
Manual Integrations
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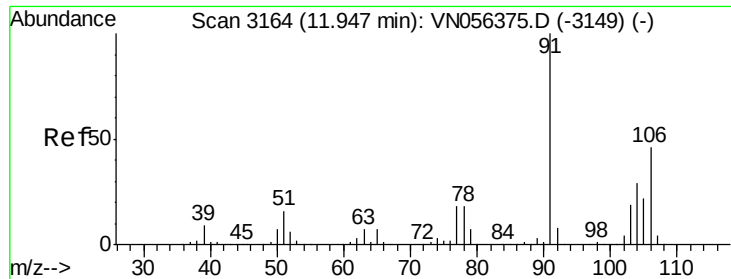
MMDadoda
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#68
m/p-Xylenes
Concen: 102.180 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Tgt Ion: 106 Resp: 694810
Ion Ratio Lower Upper
106 100
91 200.9 160.1 240.1





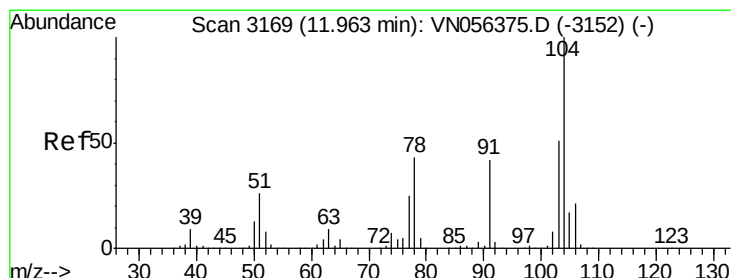
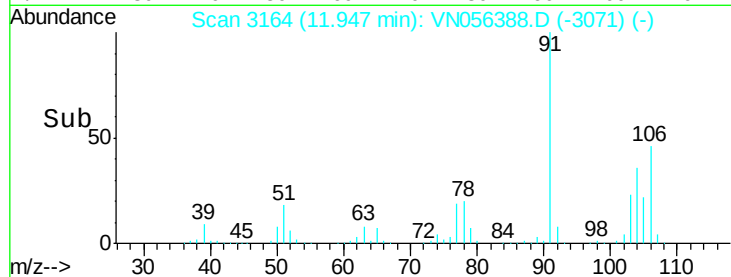
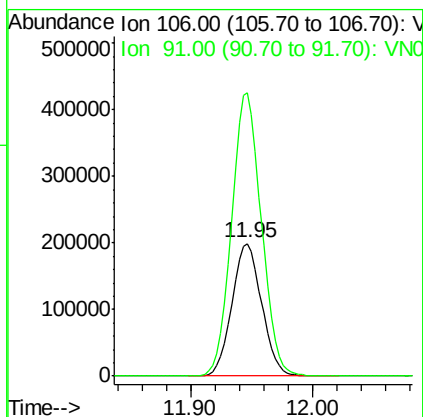
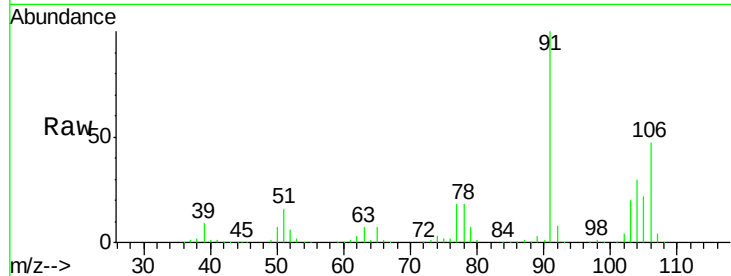
#69
o-Xylene
Concen: 50.219 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	212.9	107.1	337840	321.3	

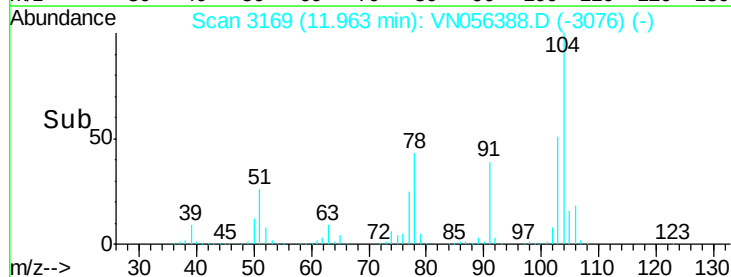
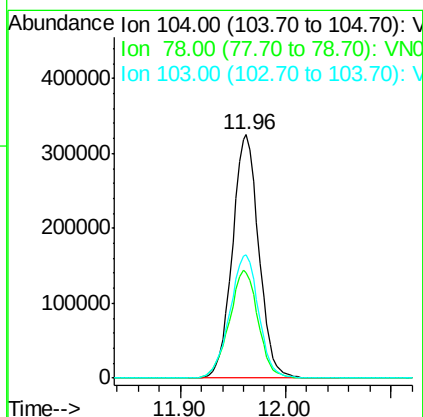
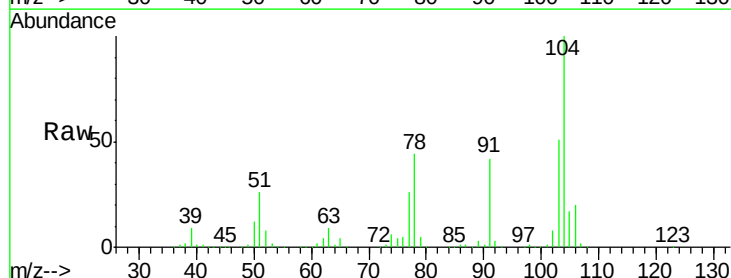
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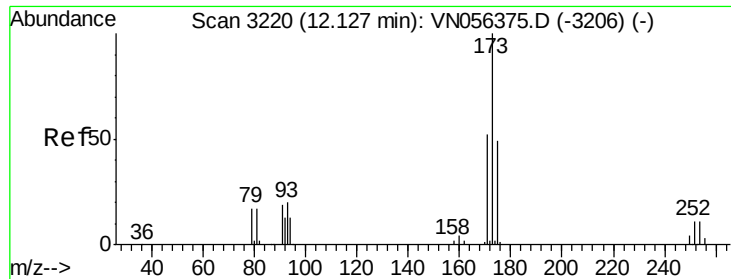
MMDadoda
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#70
Styrene
Concen: 52.313 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	48.4	38.6	562534	57.8	
103	55.4	43.9		65.9	





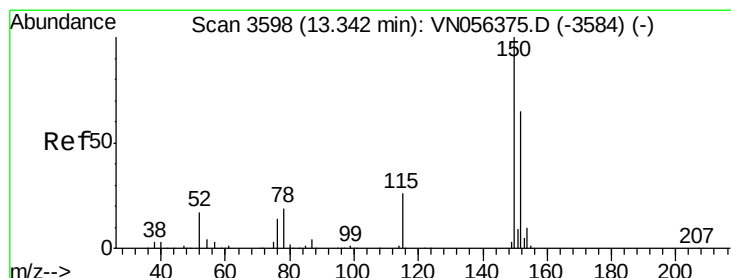
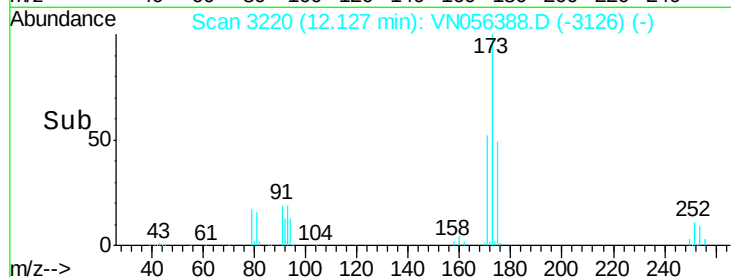
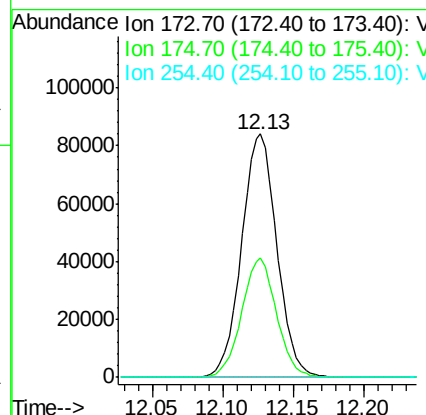
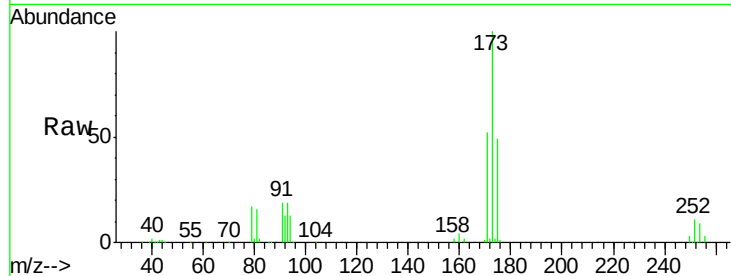
#71
Bromoform
Concen: 51.031 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

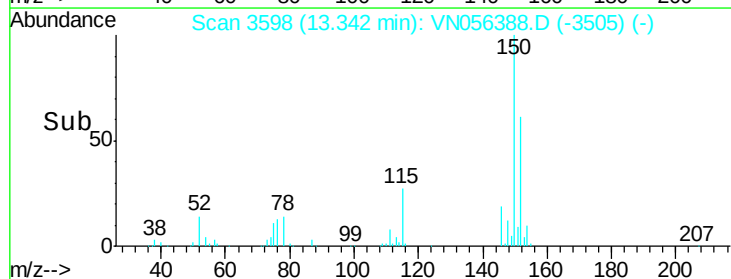
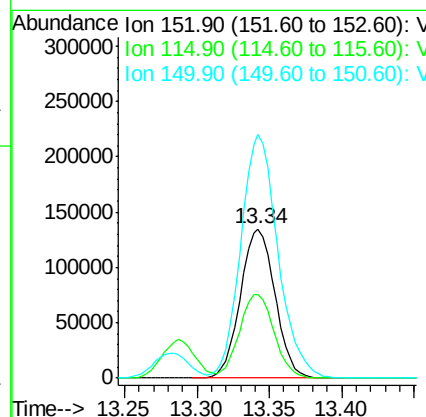
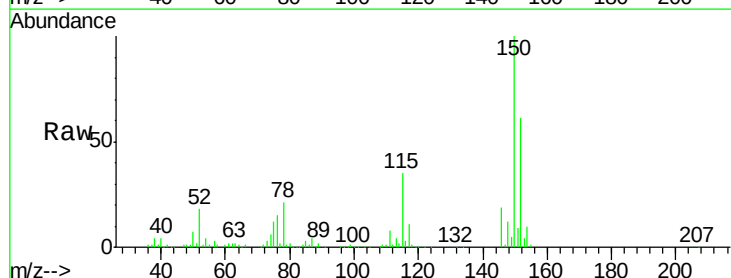
Manual Integrations
APPROVED

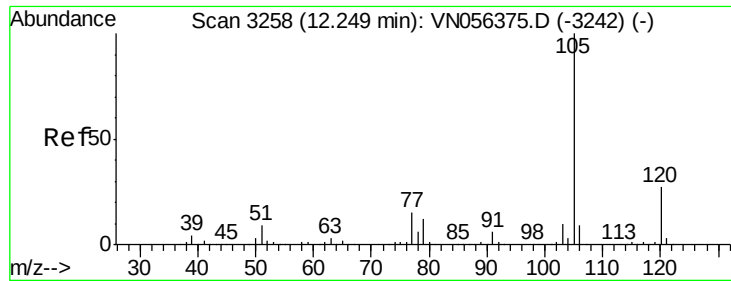
MMDadoda
6/21/2019 10:50:30 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.1	84.4
150	175.1	0.0	348.4





#73

Isopropylbenzene

Concen: 54.103 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056388.D

Acq: 20 Jun 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 904457

Ion Ratio Lower Upper

105 100

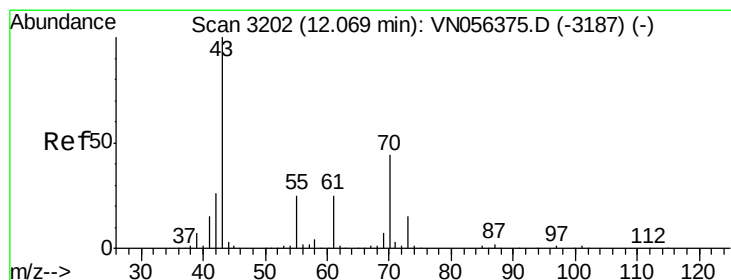
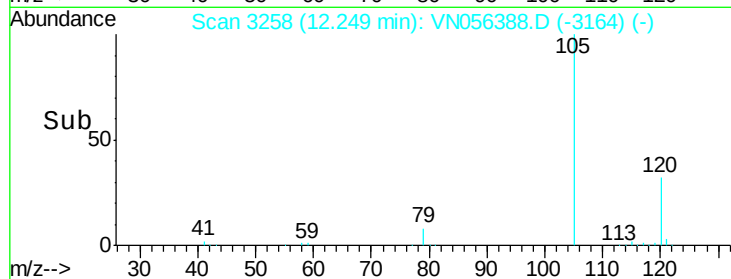
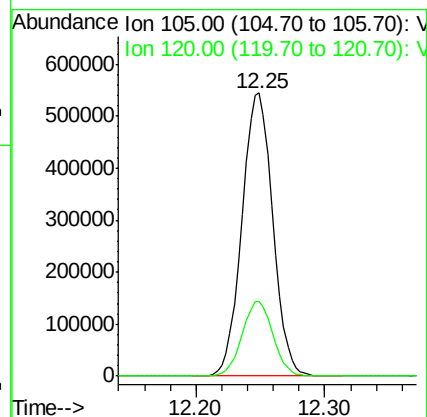
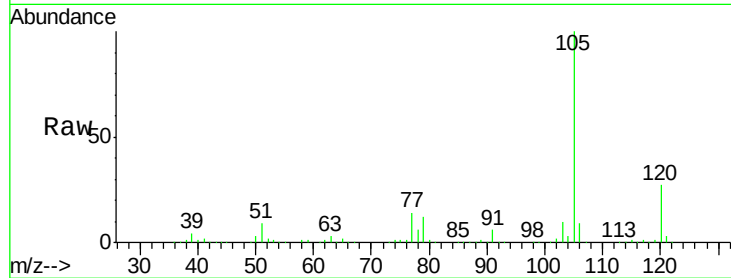
120 26.5 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 48.371 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056388.D

Acq: 20 Jun 2019 9:25

Tgt Ion: 43 Resp: 344037

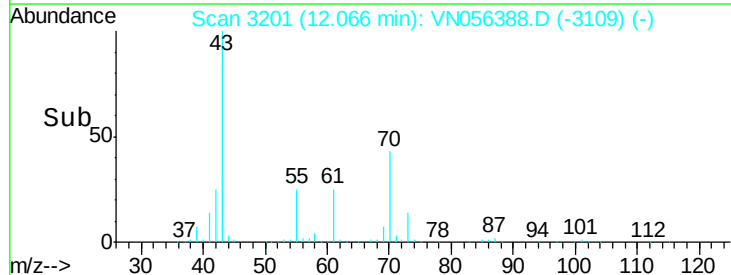
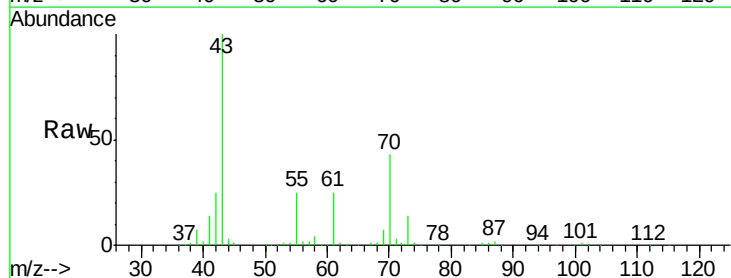
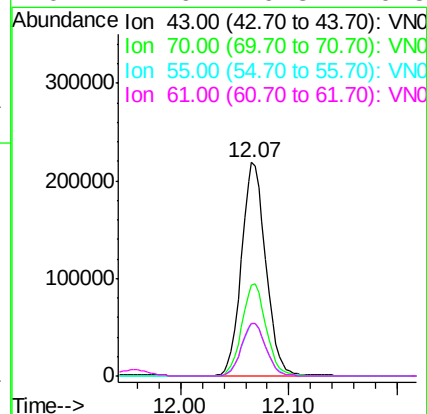
Ion Ratio Lower Upper

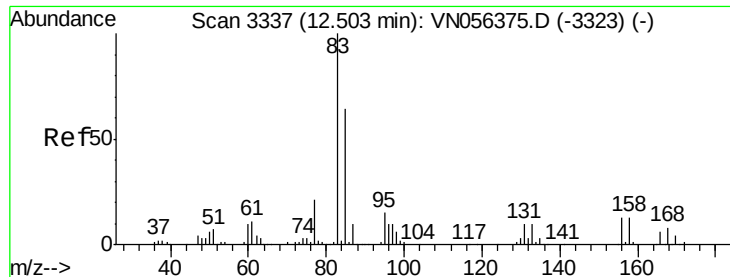
43 100

70 43.2 34.9 52.3

55 25.0 20.4 30.6

61 24.9 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 56.883 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056388.D

Acq: 20 Jun 2019 9:25

Instrument :

MSVOA_N

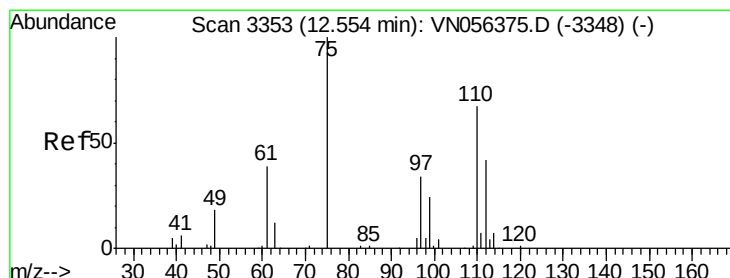
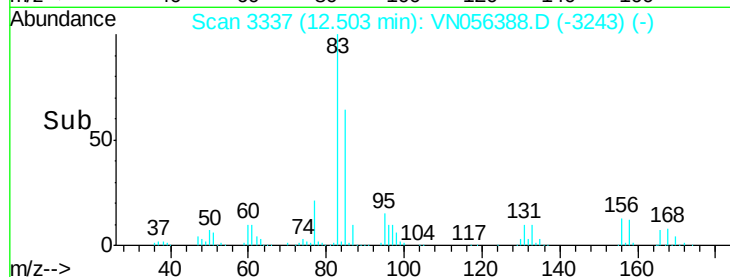
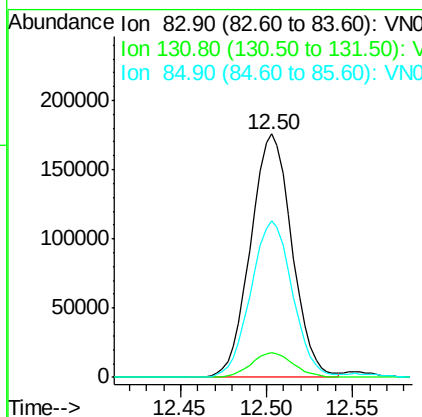
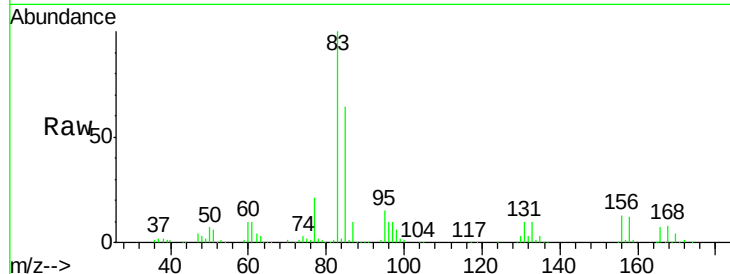
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	293395
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	15.8
85	64.9	32.4	97.0

Manual Integrations
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6/21/2019 10:50:30 PM



#76

1,2,3-Trichloropropane

Concen: 54.352 ug/l m

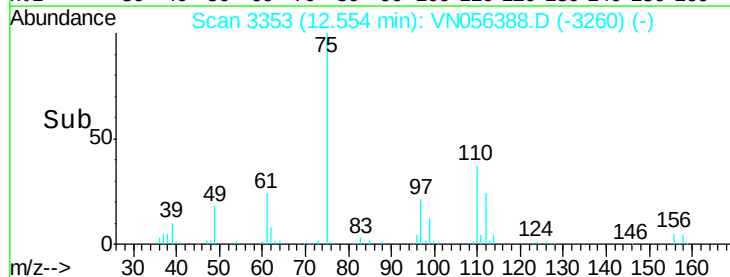
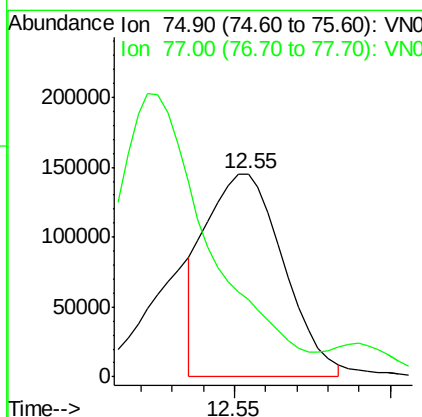
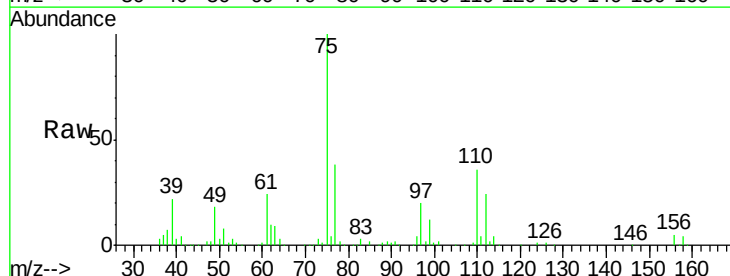
RT: 12.55 min Scan# 3353

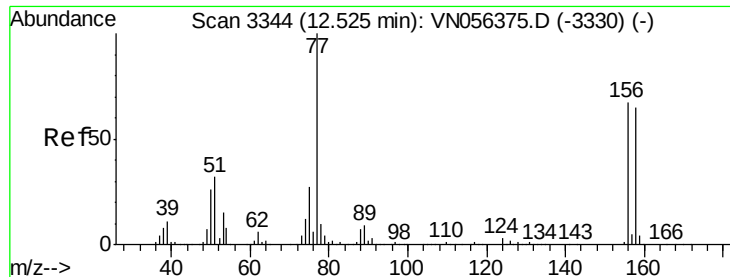
Delta R.T. 0.00 min

Lab File: VN056388.D

Acq: 20 Jun 2019 9:25

Tgt Ion:	75	Resp:	251863
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





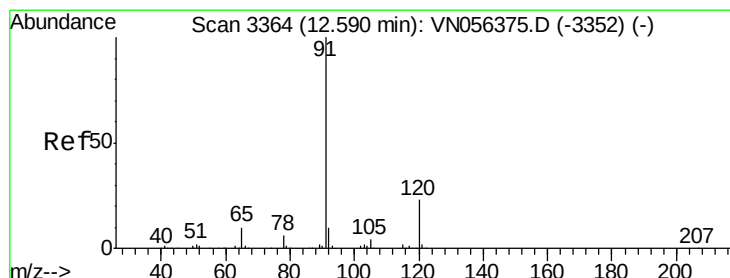
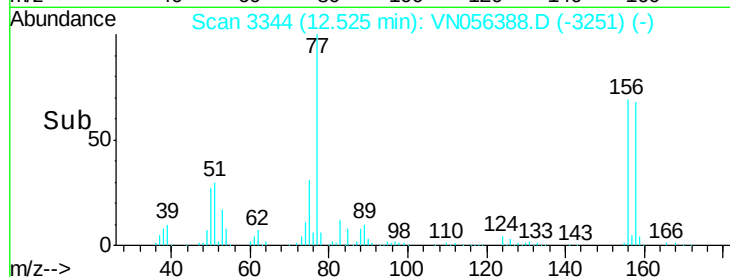
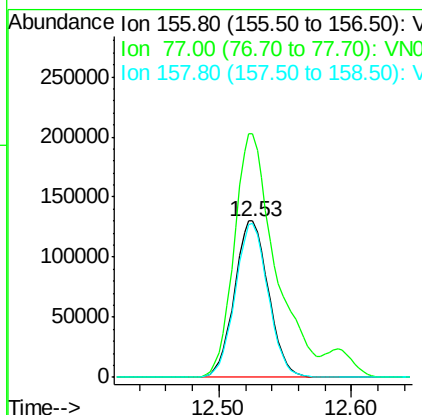
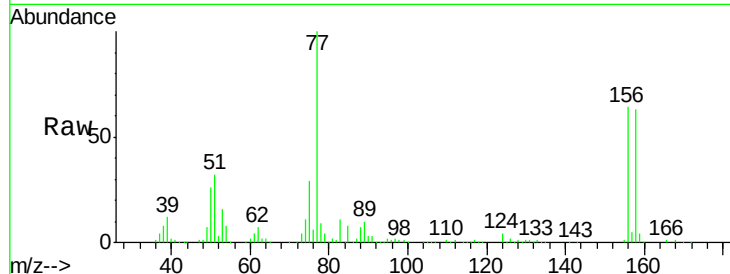
#77
Bromobenzene
Concen: 46.310 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		231413		
77	189.2	92.5	277.3		
158	95.6	48.7	146.1		

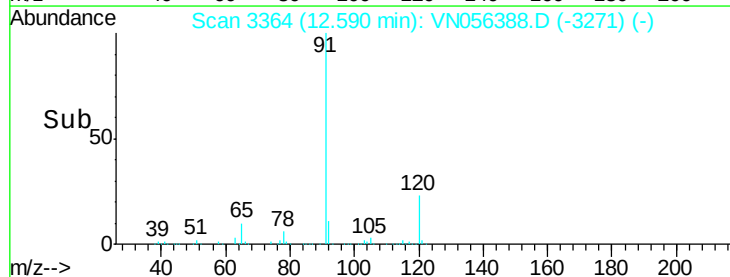
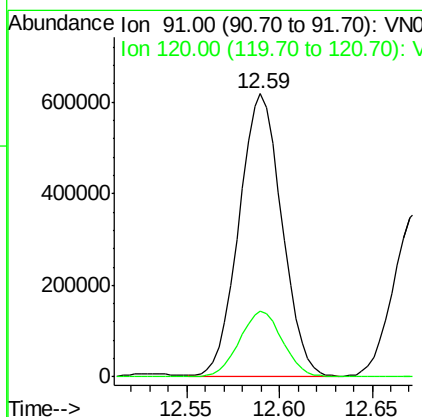
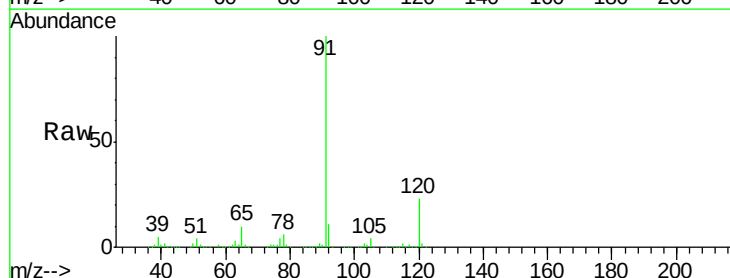
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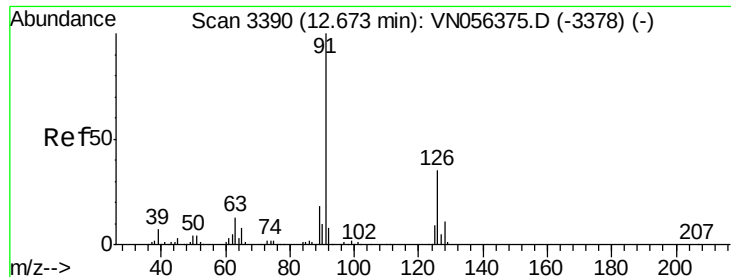
MMDadoda
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#78
n-propylbenzene
Concen: 48.269 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		987850		
120	23.4	11.8	35.4		





#79

2-Chlorotoluene

Concen: 53.001 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056388.D

Acq: 20 Jun 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 593073

Ion Ratio Lower Upper

91 100

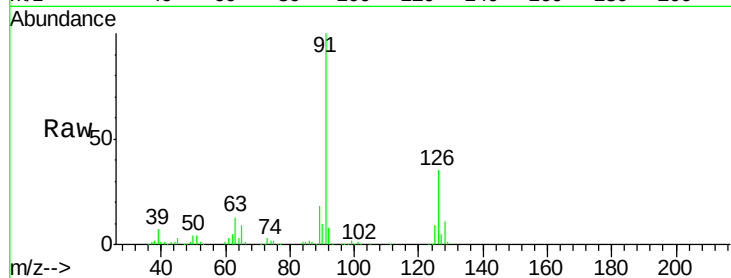
126 35.8 17.6 52.8

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

Ion 125.90 (125.60 to 126.60): VN056375.D (-3378) (-)

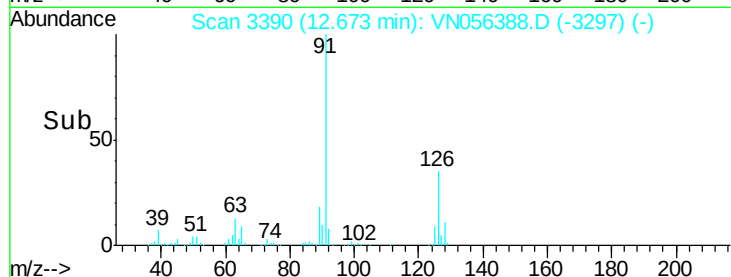
600000

400000

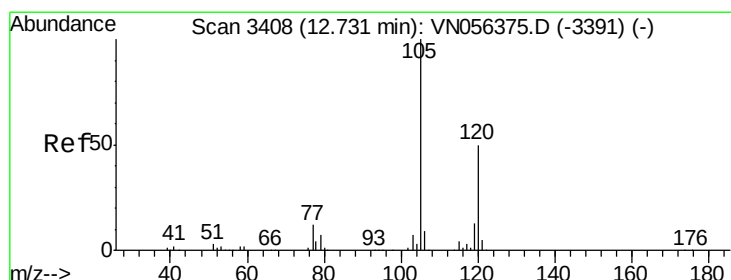
200000

0

12.60 12.65 12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.973 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056388.D

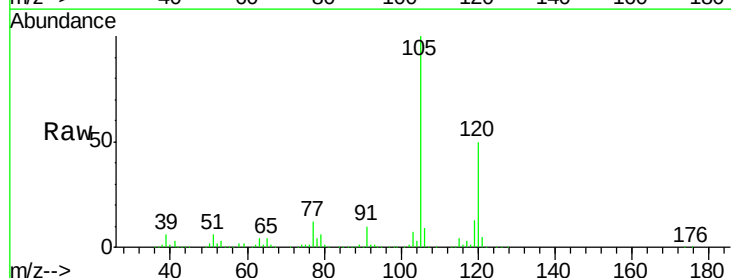
Acq: 20 Jun 2019 9:25

Tgt Ion: 105 Resp: 743155

Ion Ratio Lower Upper

105 100

120 49.8 24.8 74.4



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

Ion 120.00 (119.70 to 120.70): VN056375.D (-3391) (-)

500000

400000

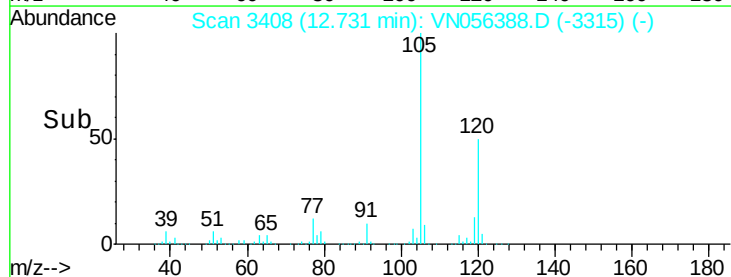
300000

200000

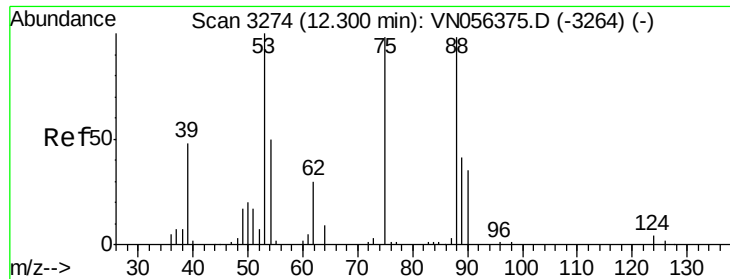
100000

0

12.65 12.70 12.75 12.80



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 57.887 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056388.D

Acq: 20 Jun 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 75474

Ion Ratio Lower Upper

75 100

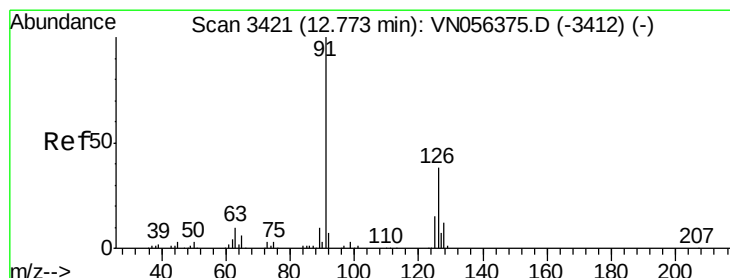
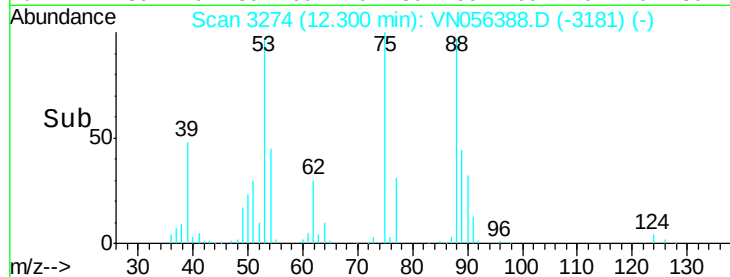
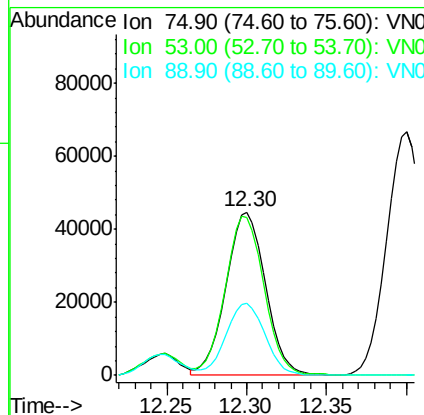
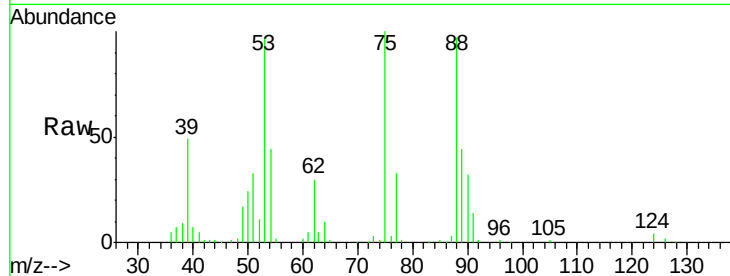
53 96.2 83.9 125.9

89 43.7 35.0 52.6

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#82

4-Chlorotoluene

Concen: 47.602 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN056388.D

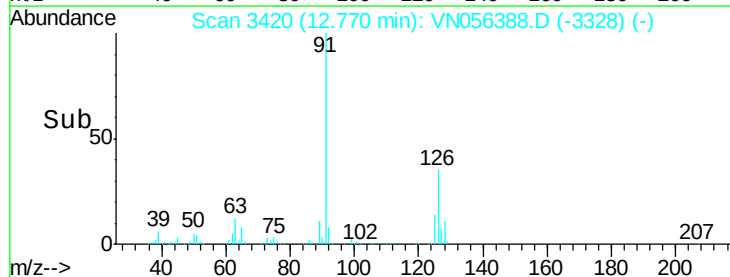
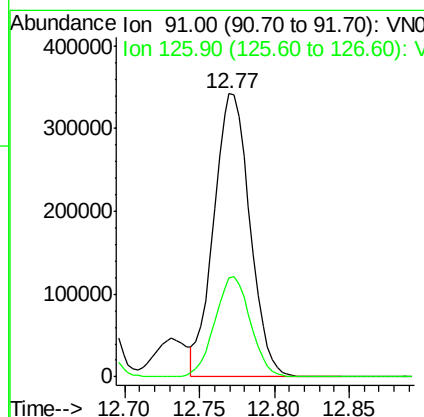
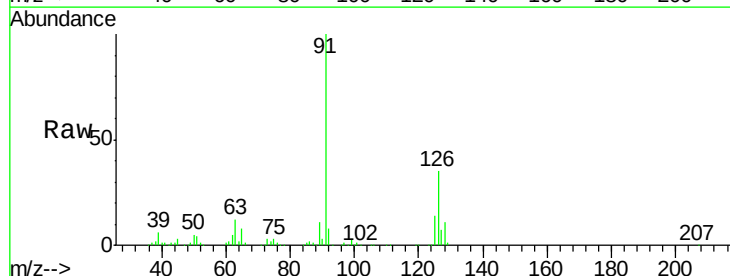
Acq: 20 Jun 2019 9:25

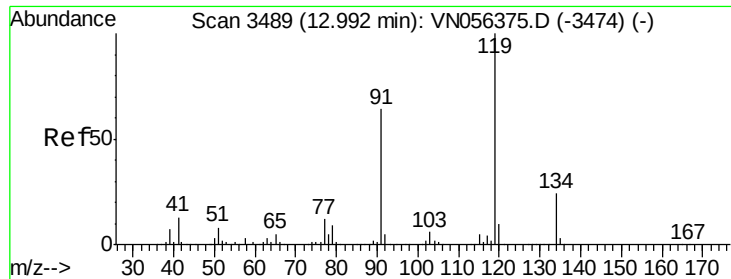
Tgt Ion: 91 Resp: 575215

Ion Ratio Lower Upper

91 100

126 34.9 17.3 52.0





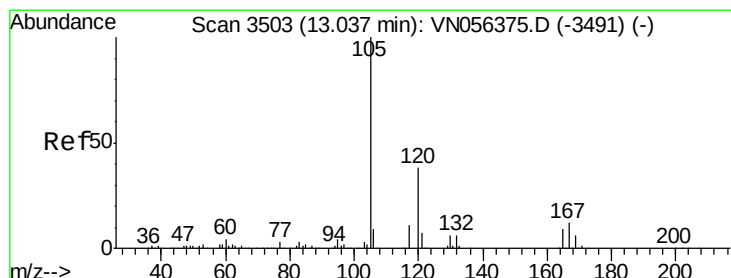
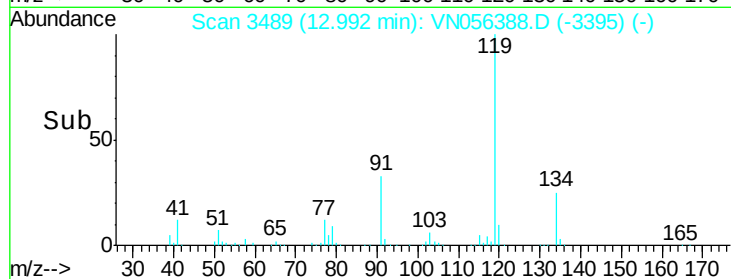
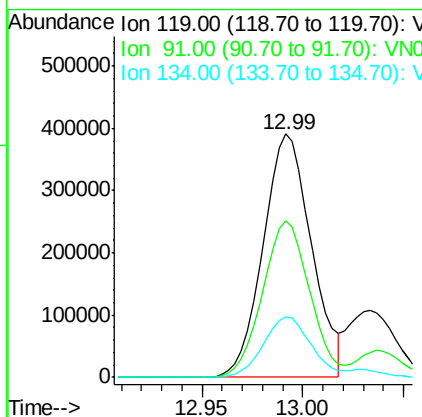
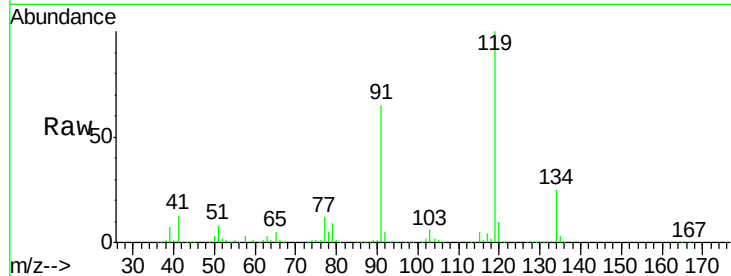
#83
 tert-Butylbenzene
 Concen: 53.226 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056388.D
 Acq: 20 Jun 2019 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.8	31.6	94.7
134	24.6	13.2	39.5

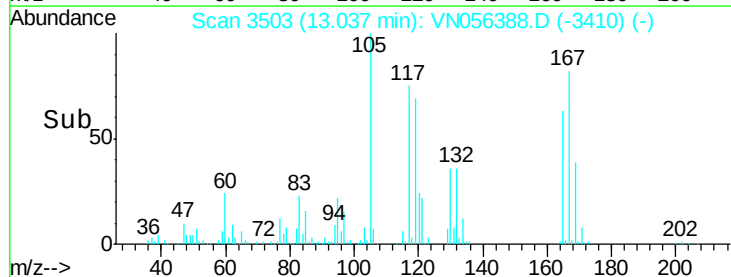
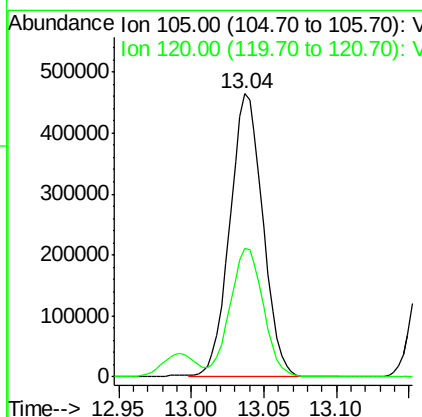
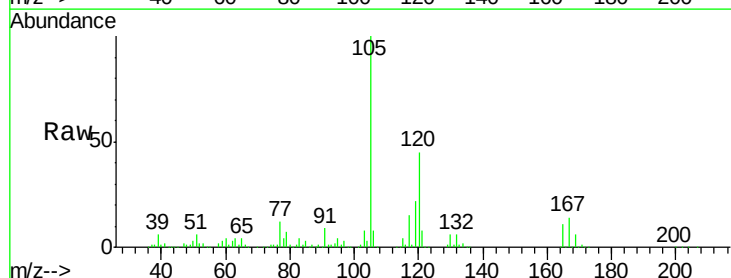
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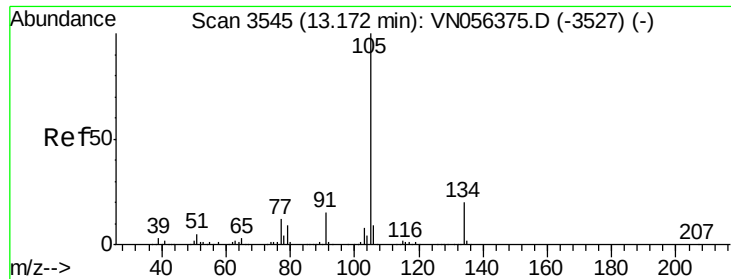
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.537 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN056388.D
 Acq: 20 Jun 2019 9:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.9	68.8





#85

sec-Butylbenzene

Concen: 47.304 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056388.D

Acq: 20 Jun 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 850898

Ion Ratio Lower Upper

105 100

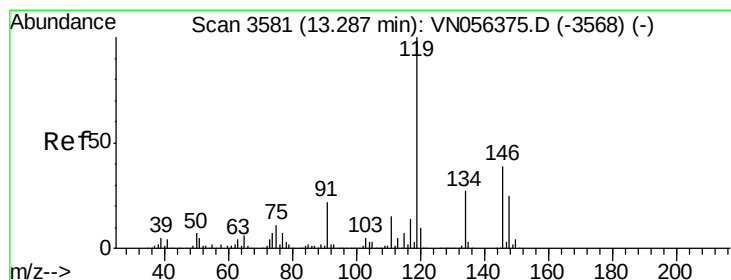
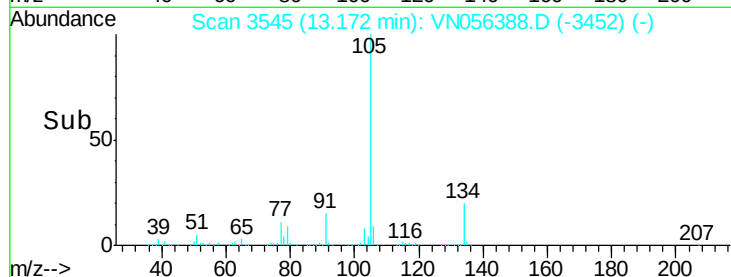
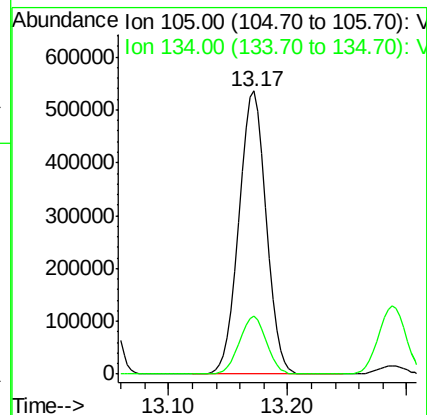
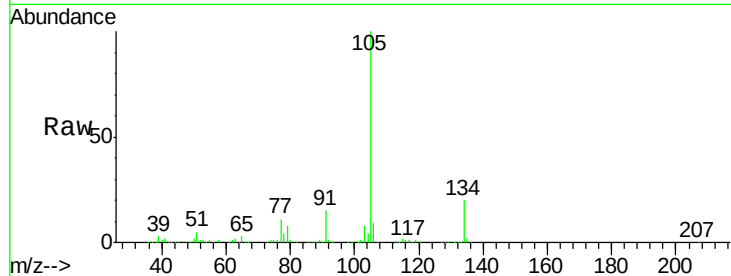
134 20.4 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 49.115 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056388.D

Acq: 20 Jun 2019 9:25

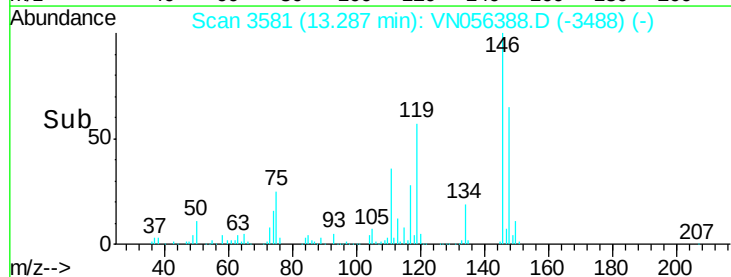
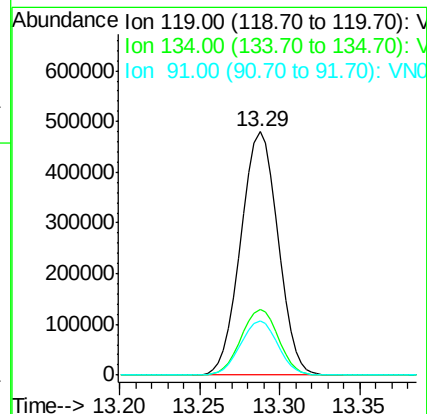
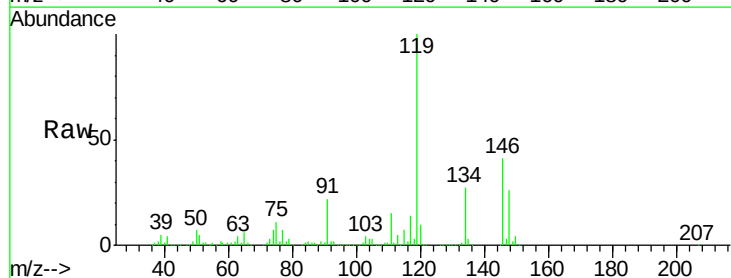
Tgt Ion:119 Resp: 758211

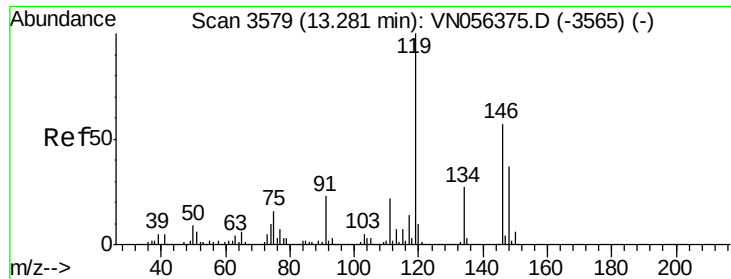
Ion Ratio Lower Upper

119 100

134 27.3 13.5 40.4

91 22.2 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 49.561 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056388.D

Acq: 20 Jun 2019 9:25

Instrument :

MSVOA_N

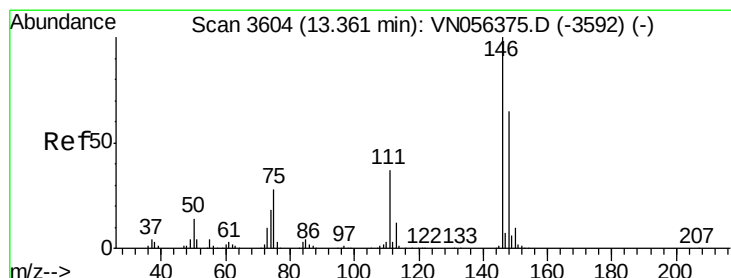
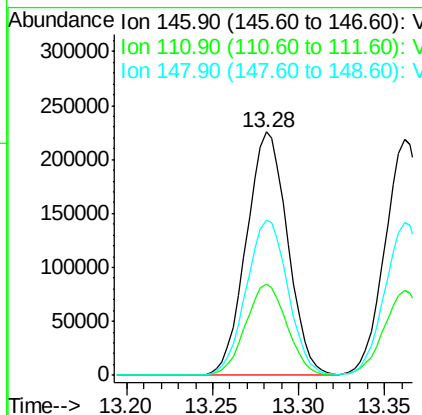
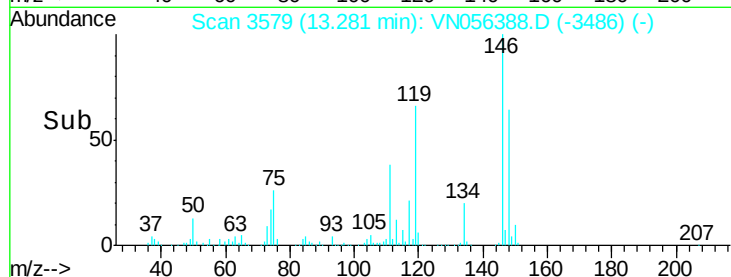
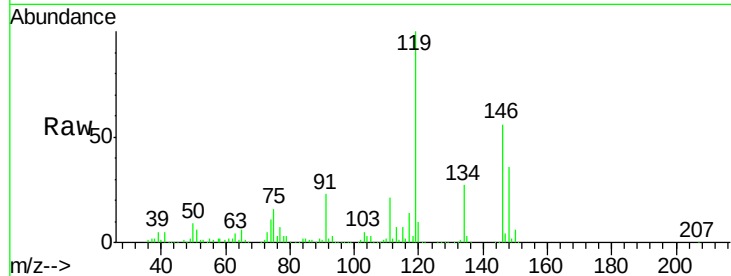
ClientSampled :

VSTDCCC050

Tot Ion:	146	Resp:	375320
Ion Ratio	Lower	Upper	
146	100		
111	37.5	18.9	56.9
148	64.5	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 49.558 ug/l

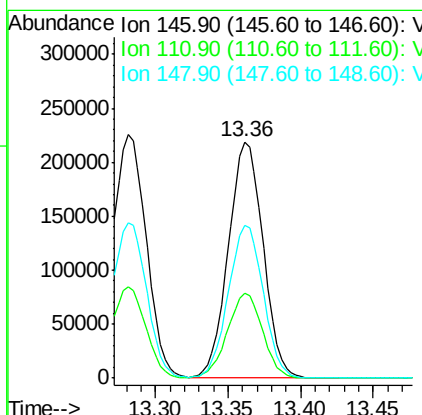
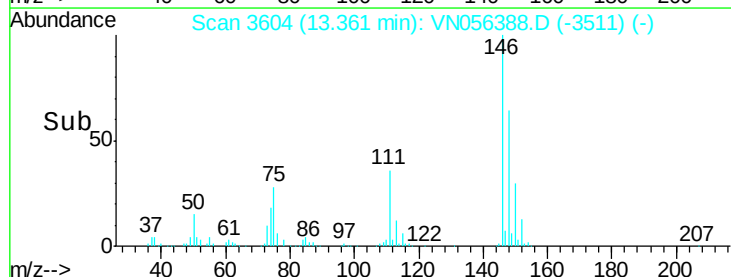
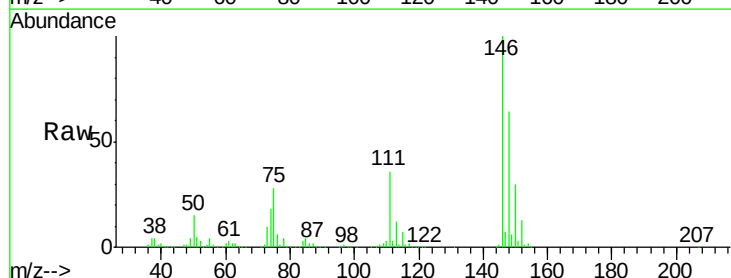
RT: 13.36 min Scan# 3604

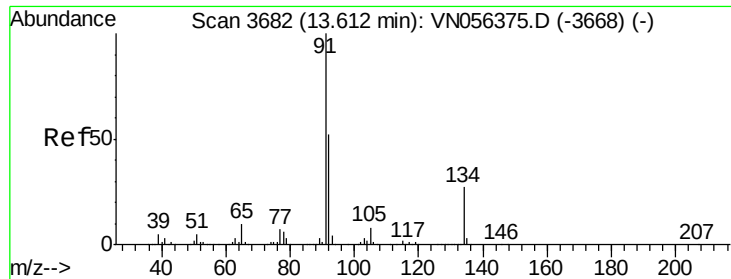
Delta R.T. 0.00 min

Lab File: VN056388.D

Acq: 20 Jun 2019 9:25

Tgt Ion:	146	Resp:	363468
Ion Ratio	Lower	Upper	
146	100		
111	36.3	18.4	55.4
148	64.9	32.4	97.0





#89

n-Butylbenzene

Concen: 51.693 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056388.D

Acq: 20 Jun 2019 9:25

Instrument :

MSVOA_N

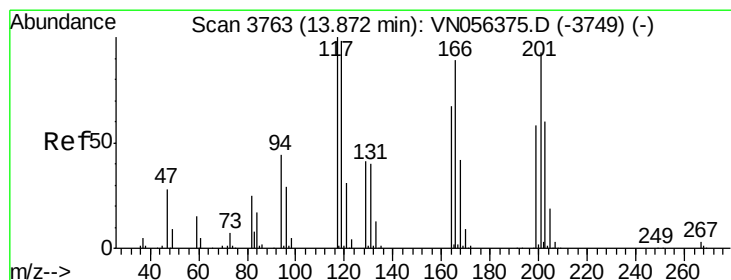
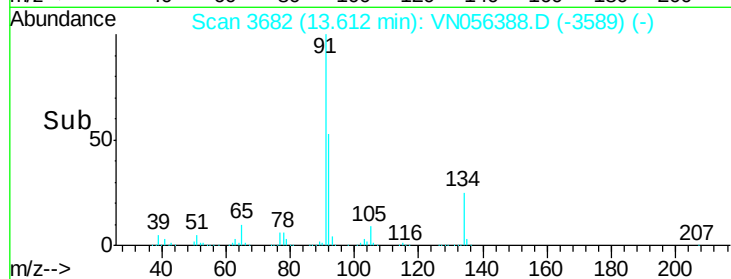
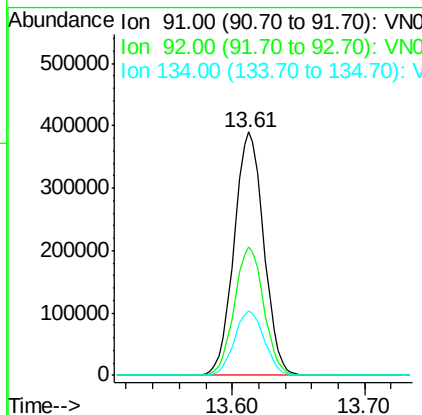
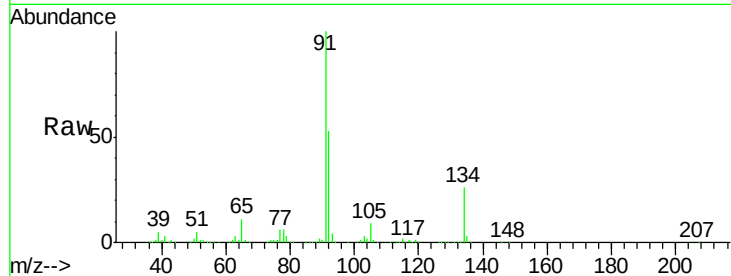
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	604108
Ion Ratio	Lower	Upper	
91	100		
92	52.3	26.2	78.5
134	26.7	13.4	40.2

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#90

Hexachloroethane

Concen: 51.302 ug/l

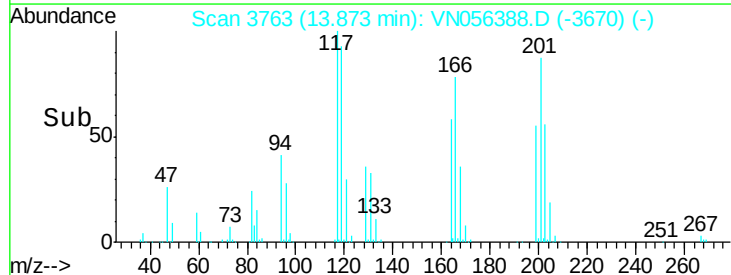
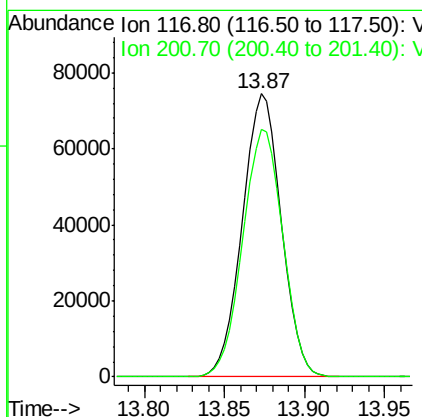
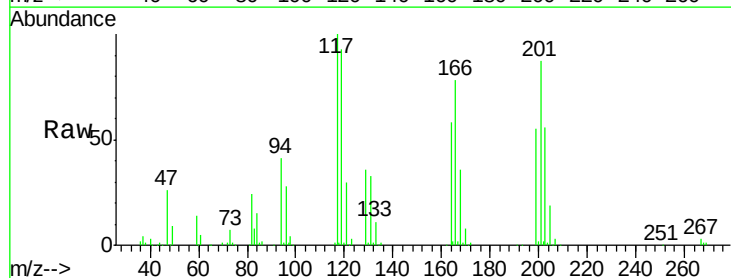
RT: 13.87 min Scan# 3763

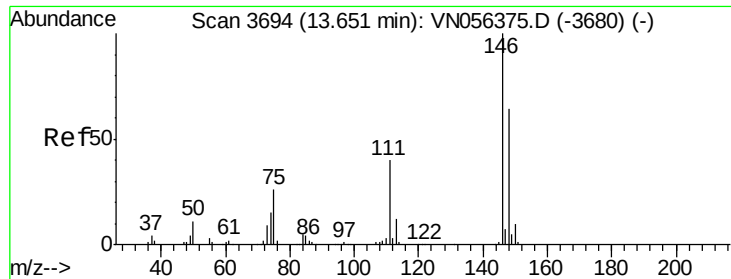
Delta R.T. 0.00 min

Lab File: VN056388.D

Acq: 20 Jun 2019 9:25

Tgt Ion:	117	Resp:	123472
Ion Ratio	Lower	Upper	
117	100		
201	90.1	45.9	137.6





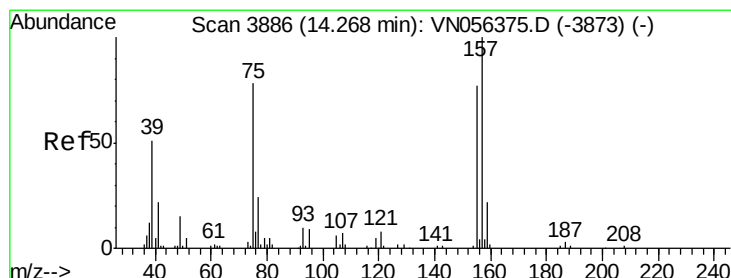
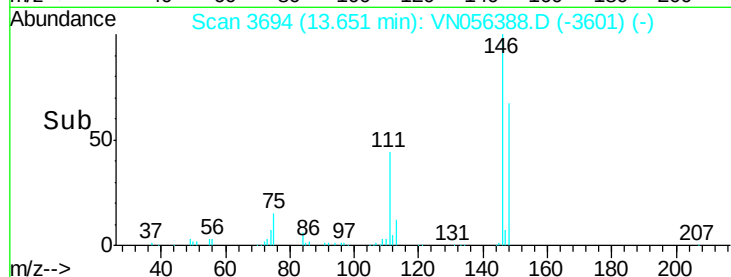
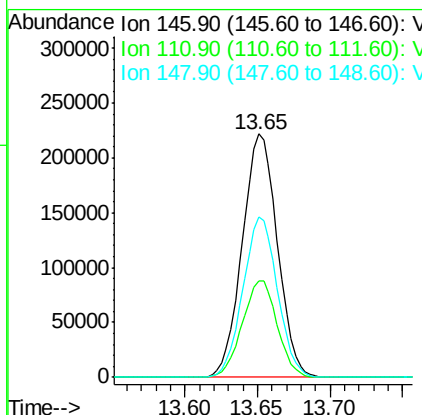
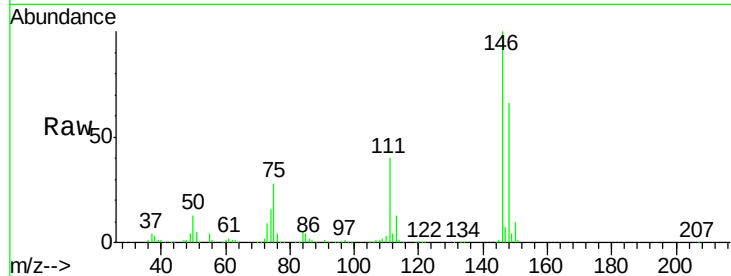
#91
 1,2-Dichlorobenzene
 Concen: 49.760 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056388.D
 Acq: 20 Jun 2019 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.3	57.9
148	64.7	32.0	96.0

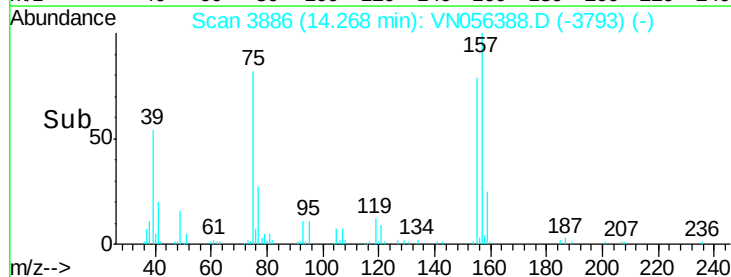
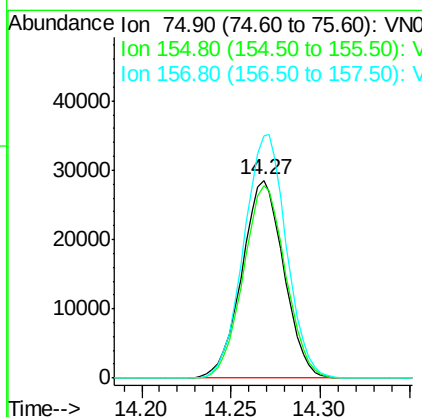
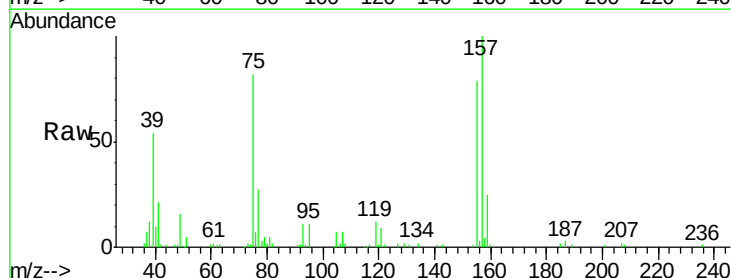
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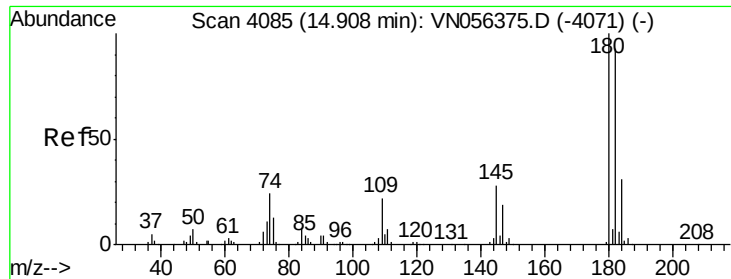
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.645 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056388.D
 Acq: 20 Jun 2019 9:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.6	48.9	146.8
157	125.2	62.9	188.8





#93

1,2,4-Trichlorobenzene

Concen: 44.464 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056388.D

Acq: 20 Jun 2019 9:25

Instrument :

MSVOA_N

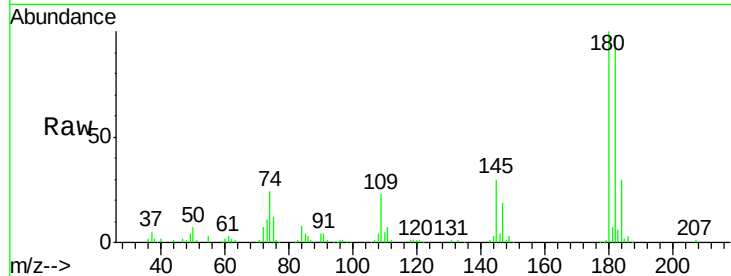
ClientSampleId :

VSTDCCC050

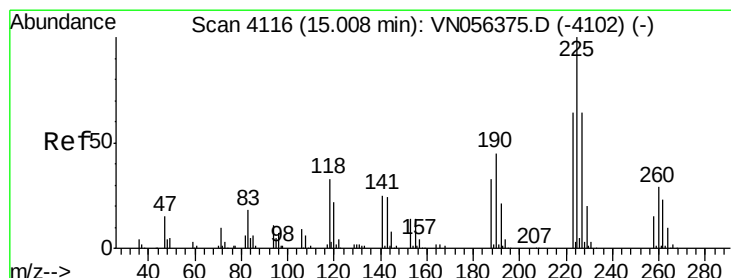
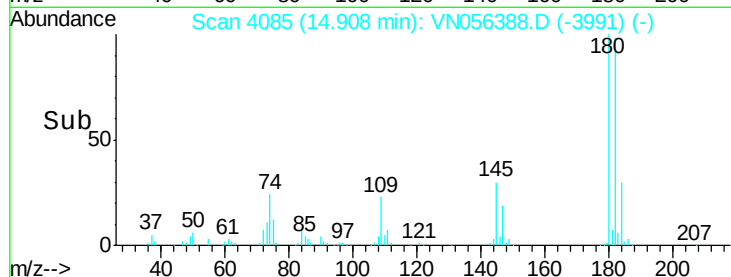
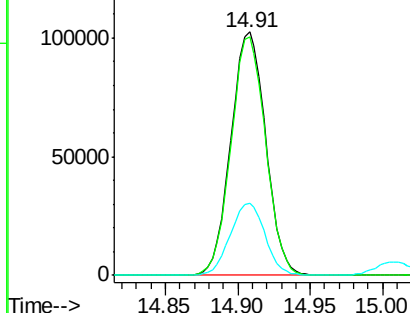
Tot Ion:	180	Resp:	171232
Ion Ratio	Lower	Upper	
180	100		
182	97.4	46.9	140.6
145	29.7	14.4	43.0

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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 51.692 ug/l

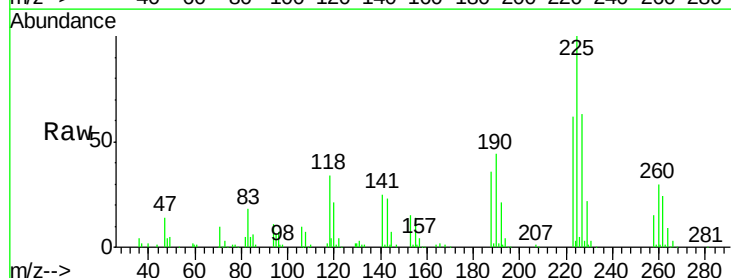
RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

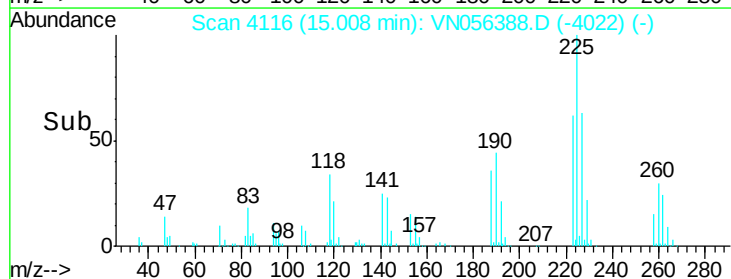
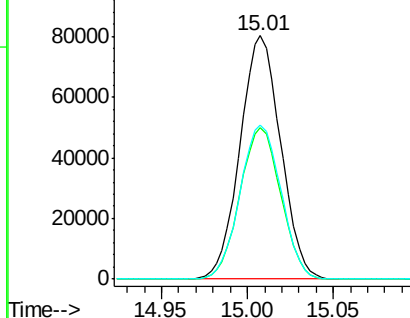
Lab File: VN056388.D

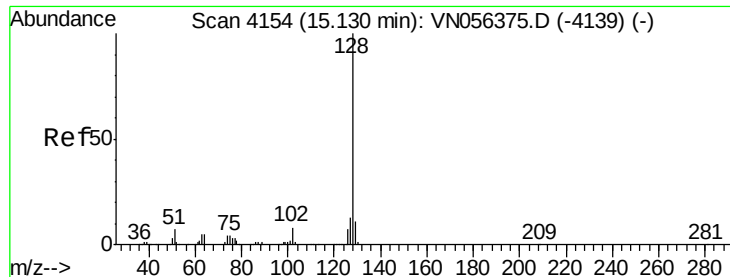
Acq: 20 Jun 2019 9:25

Tgt Ion:	225	Resp:	131455
Ion Ratio	Lower	Upper	
225	100		
223	62.5	31.4	94.3
227	64.1	32.1	96.3



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





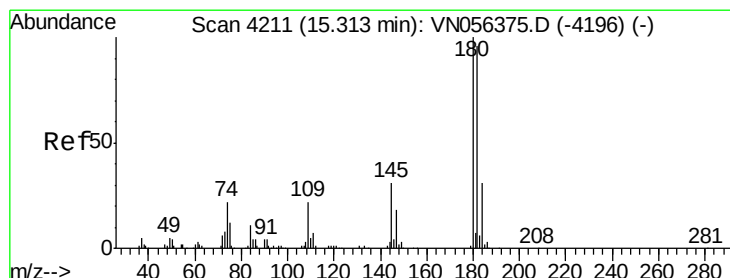
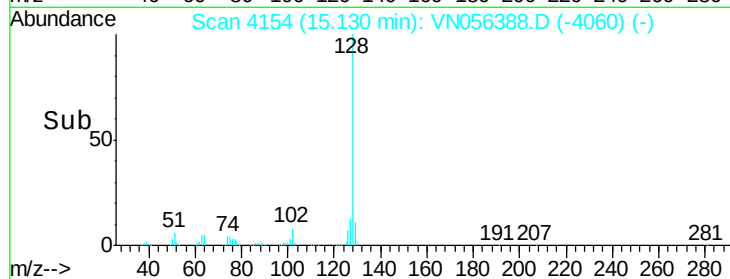
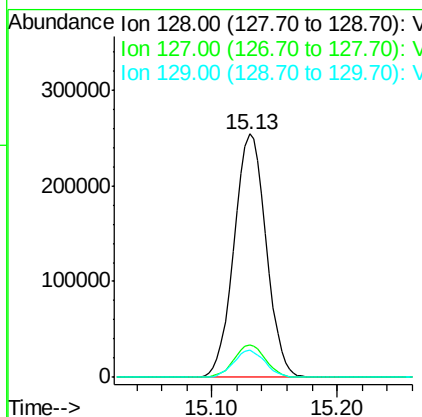
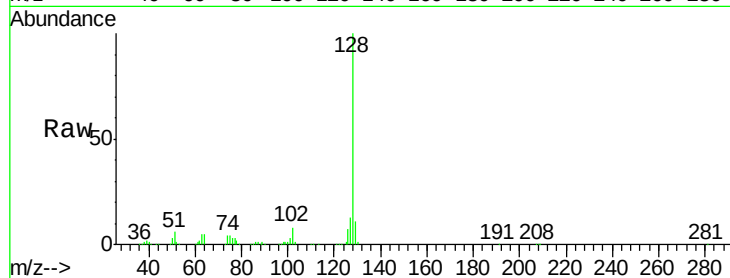
#95
Naphthalene
Concen: 44.783 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
6/21/2019 10:50:30 PM



#96
1,2,3-Trichlorobenzene
Concen: 46.393 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN056388.D
Acq: 20 Jun 2019 9:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.3	144.8
145	30.3	15.4	46.1

