

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051420\
 Data File : VV016058.D
 Acq On : 14 May 2020 09:36
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 15 06:22:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 14 14:00:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	158489	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	157303	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	79859	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	44672	5.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.00%
7) Chloroethane-d5	1.58	69	42355	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.00%
11) 1,1-Dichloroethene-d2	2.12	63	90123	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.40%
20) 2-Butanone-d5	3.96	46	128673	52.46	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.92%
24) Chloroform-d	4.37	84	92115	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.06	65	53810	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.07	84	183863	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.09	67	56515	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.00%
41) Toluene-d8	7.33	98	173995	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
45) trans-1,3-Dichloropropene-	7.64	79	21479	4.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.80%
48) 2-Hexanone-d5	8.11	63	100259	50.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.80%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	42257	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	60892	4.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	52865	4.353 ug/L	98
3) Chloromethane	1.25	50	54618	4.442 ug/L	100
5) Vinyl chloride	1.32	62	51421	4.373 ug/L	98
6) Bromomethane	1.53	94	30592	4.585 ug/L	99
8) Chloroethane	1.60	64	32095	3.831 ug/L	95
9) Trichlorofluoromethane	1.76	101	71718	4.447 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	41717	4.580 ug/L	98
12) 1,1-Dichloroethene	2.13	96	38312	4.393 ug/L	94
13) Acetone	2.25	43	71916	44.450 ug/L	96
14) Carbon disulfide	2.31	76	122804	4.265 ug/L	98
15) Methyl Acetate	2.47	43	17583	4.703 ug/L	97
16) Methylene chloride	2.52	84	49476	4.741 ug/L	97
17) Methyl tert-butyl Ether	2.79	73	99102	4.373 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	44452	4.612 ug/L	100
19) 1,1-Dichloroethane	3.21	63	84534	4.553 ug/L	99
21) 2-Butanone	4.04	43	110527	44.858 ug/L	81
22) cis-1,2-Dichloroethene	3.94	96	43750	4.336 ug/L	99

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 Data File : VV016058.D
 Acq On : 14 May 2020 09:36
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 15 06:22:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 14 14:00:44 2020
 Response via : Initial Calibration

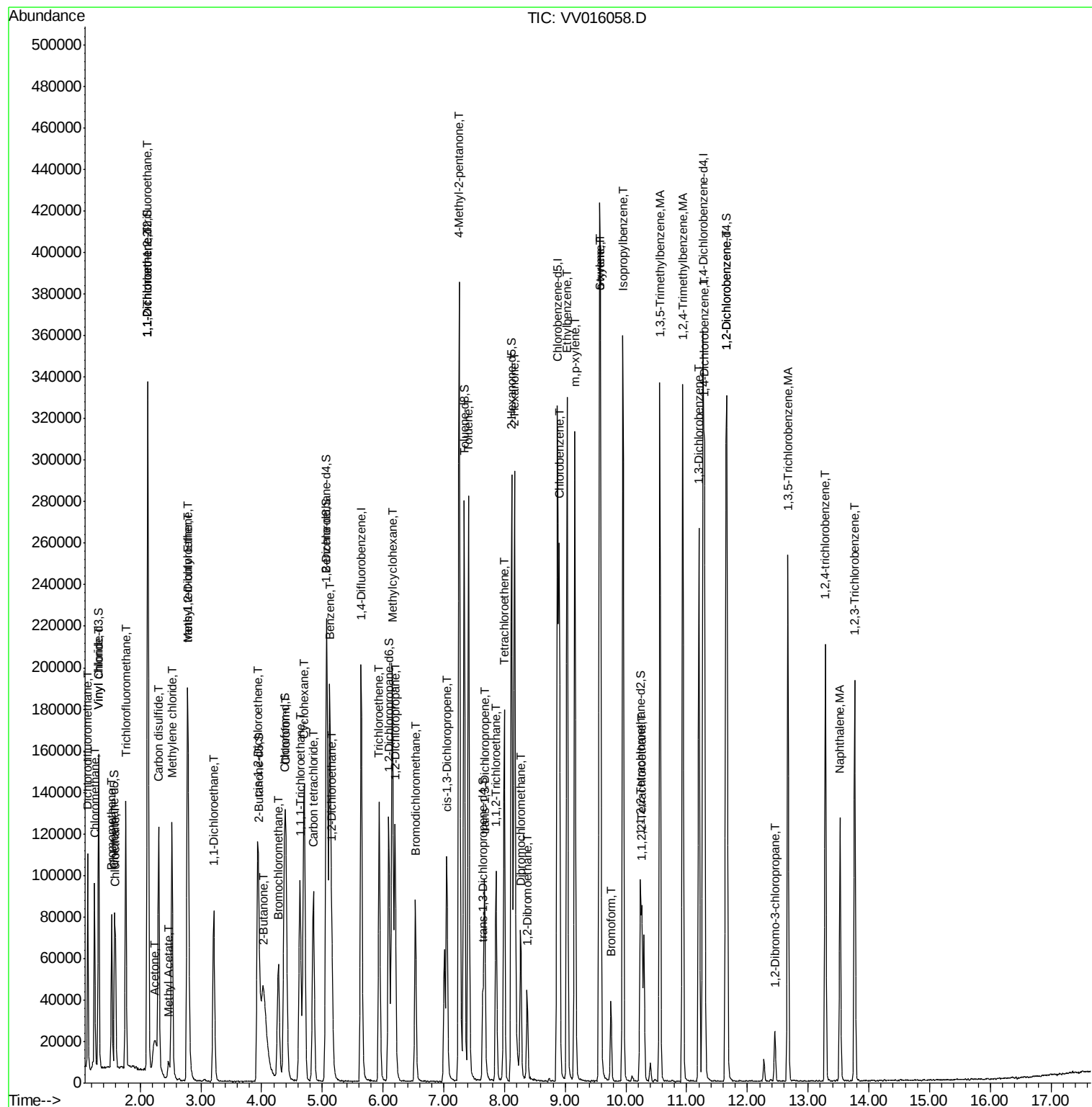
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	18750	4.354	ug/L	98
25) Chloroform	4.40	83	94977	4.645	ug/L	97
27) 1,2-Dichloroethane	5.16	62	55860	4.447	ug/L	98
29) 1,1,1-Trichloroethane	4.63	97	76052	4.384	ug/L	99
30) Cyclohexane	4.70	56	75059	4.318	ug/L	98
31) Carbon tetrachloride	4.85	117	65349	4.365	ug/L	98
33) Benzene	5.12	78	180560	4.562	ug/L	100
34) Trichloroethene	5.94	95	47723	4.225	ug/L	94
35) Methylcyclohexane	6.15	83	75867	4.440	ug/L	98
37) 1,2-Dichloropropane	6.20	63	45735	4.549	ug/L	99
38) Bromodichloromethane	6.53	83	57141	4.475	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	62226	4.379	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	283669	45.264	ug/L	100
42) Toluene	7.41	91	196012	4.673	ug/L	98
43) 1,3,5-Trimethylbenzene	10.56	105	173330	4.501	ug/L #	100
44) 1,2,4-Trimethylbenzene	10.94	105	173309	4.503	ug/L #	100
46) trans-1,3-Dichloropropene	7.67	75	52804	4.399	ug/L	94
47) 1,1,2-Trichloroethane	7.86	97	29906	4.454	ug/L	99
49) Tetrachloroethene	8.00	164	36578	4.641	ug/L	98
50) 2-Hexanone	8.16	43	207193	46.751	ug/L	98
51) Dibromochloromethane	8.27	129	33434	4.431	ug/L	99
52) 1,2-Dibromoethane	8.37	107	27719	4.451	ug/L	100
53) Chlorobenzene	8.90	112	122328	4.534	ug/L	97
54) Ethylbenzene	9.03	91	217183	4.553	ug/L	100
55) m,p-xylene	9.16	106	82215	4.655	ug/L	99
56) o-xylene	9.56	106	78269	4.635	ug/L	98
57) Styrene	9.58	104	132133	4.678	ug/L	99
58) Isopropylbenzene	9.95	105	212968	4.591	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	36235	5.050	ug/L	100
62) Bromoform	9.75	173	16148	4.401	ug/L	99
63) 1,3-Dichlorobenzene	11.20	146	97836	4.547	ug/L	99
64) 1,4-Dichlorobenzene	11.30	146	96733	4.475	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	88658	4.553	ug/L	96
67) 1,2-Dibromo-3-chloropropan	12.45	75	6146	4.836	ug/L	86
68) 1,3,5-Trichlorobenzene	12.67	180	68934	4.382	ug/L	99
69) 1,2,4-trichlorobenzene	13.29	180	56426	4.175	ug/L	99
70) Naphthalene	13.53	128	91757	4.268	ug/L	98
71) 1,2,3-Trichlorobenzene	13.77	180	52575	4.409	ug/L	95

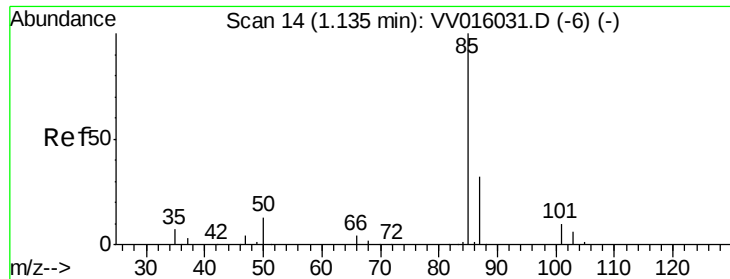
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VV016058.D
Acq On : 14 May 2020 09:36
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :

Quant Time: May 15 06:22:29 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 14 14:00:44 2020
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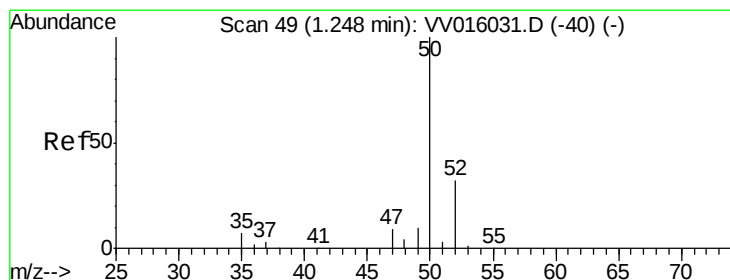
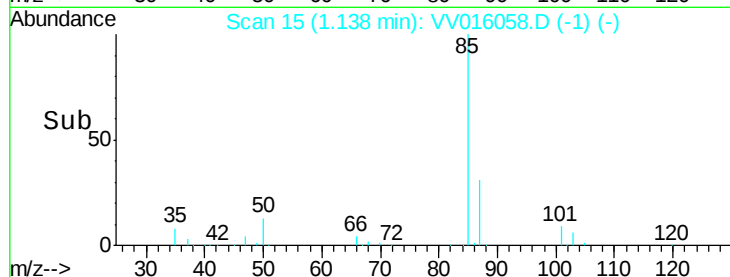
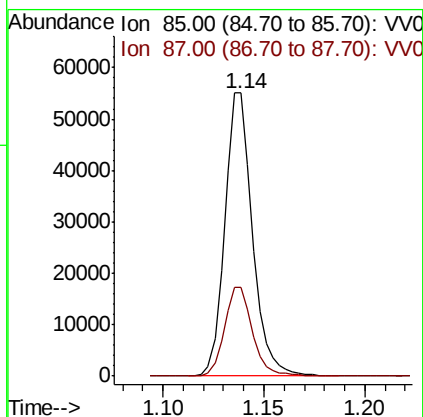
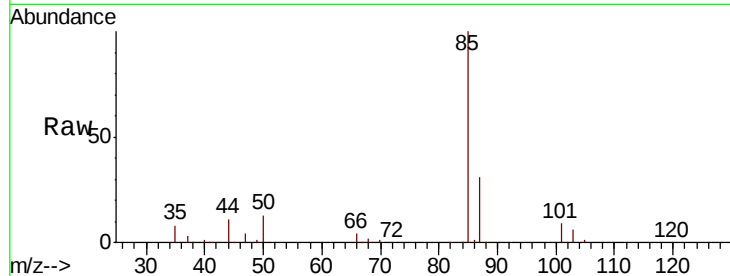




#2
Dichlorodifluoromethane
Concen: 4.353 ug/L
RT: 1.14 min Scan# 15
Delta R.T. 0.00 min
Lab File: VV016058.D
Acq: 14 May 2020 09:36

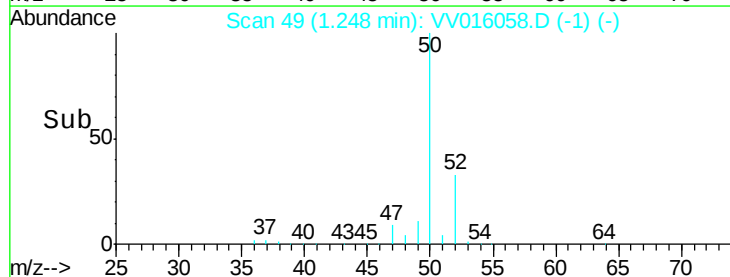
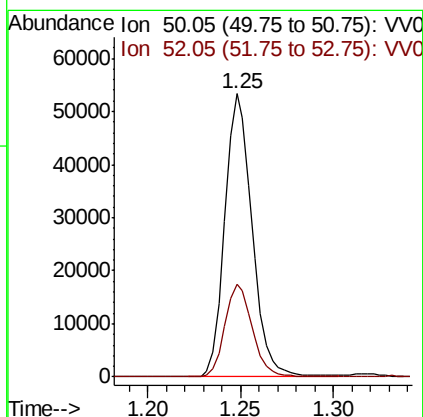
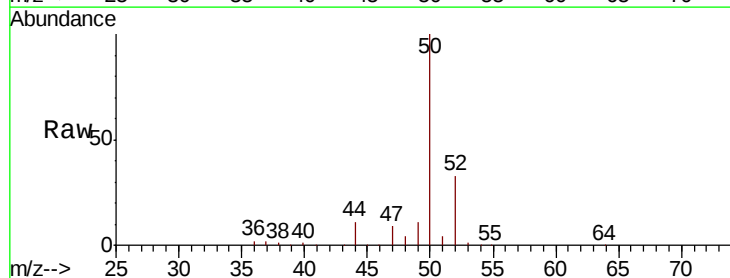
Instrument :
MSVOA_V
ClientSampled :

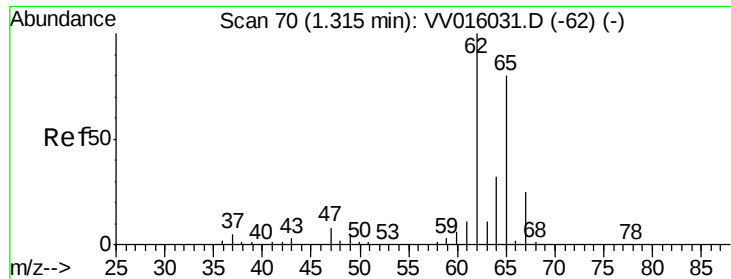
Tot Ion: 85 Resp: 52865
Ion Ratio Lower Upper
85 100
87 31.7 26.4 39.6



#3
Chloromethane
Concen: 4.442 ug/L
RT: 1.25 min Scan# 49
Delta R.T. -0.00 min
Lab File: VV016058.D
Acq: 14 May 2020 09:36

Tgt Ion: 50 Resp: 54618
Ion Ratio Lower Upper
50 100
52 32.8 22.8 42.4





#5

Vinyl chloride

Concen: 4.373 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016058.D

Acq: 14 May 2020 09:36

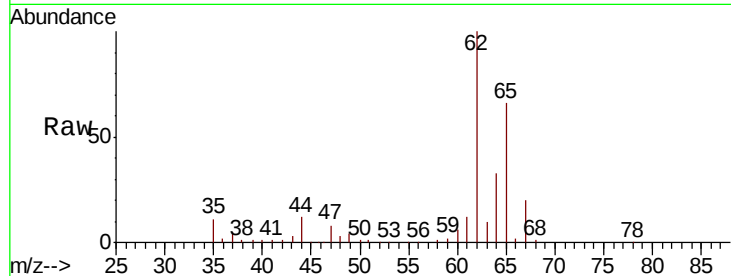
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 51421

Ion Ratio Lower Upper

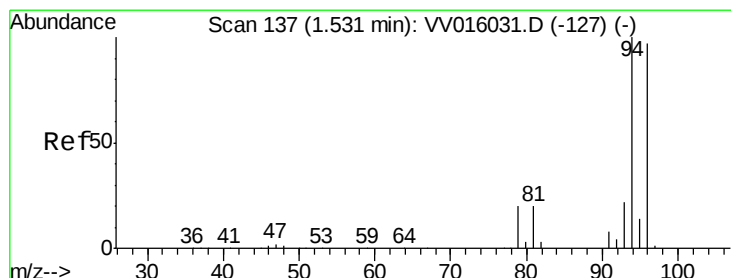
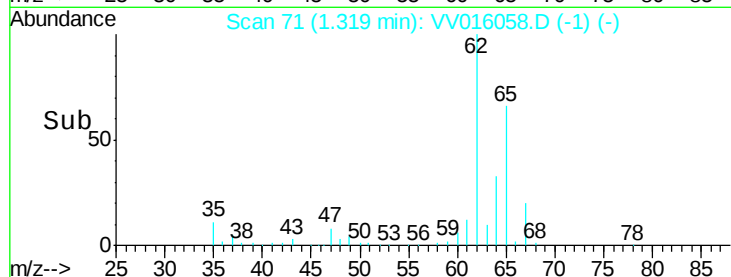
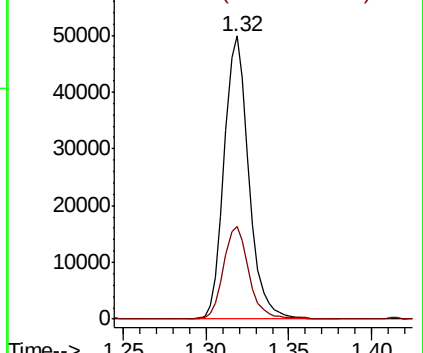
62 100

64 32.9 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.585 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV016058.D

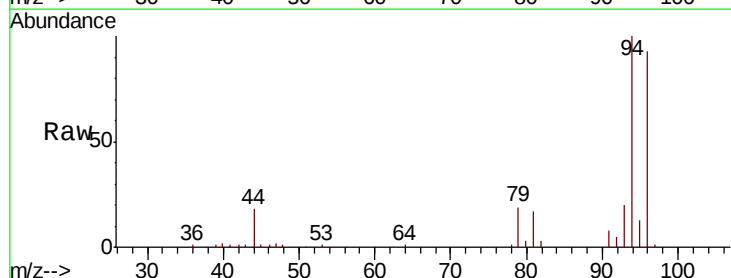
Acq: 14 May 2020 09:36

Tgt Ion: 94 Resp: 30592

Ion Ratio Lower Upper

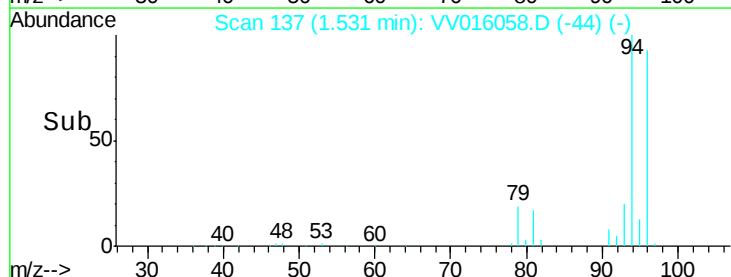
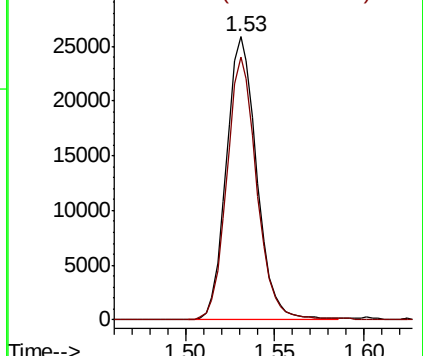
94 100

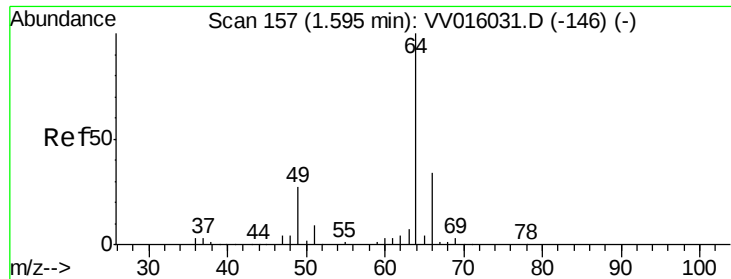
96 92.8 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

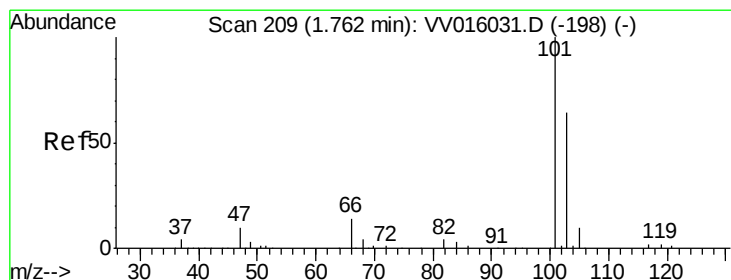
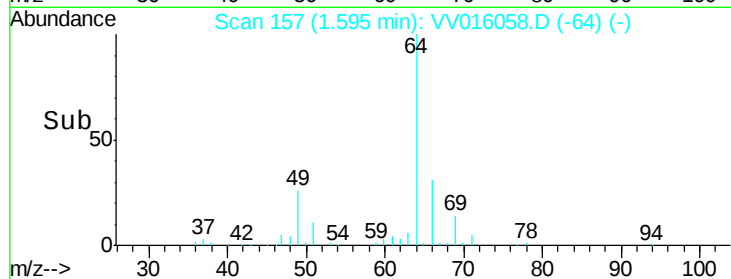
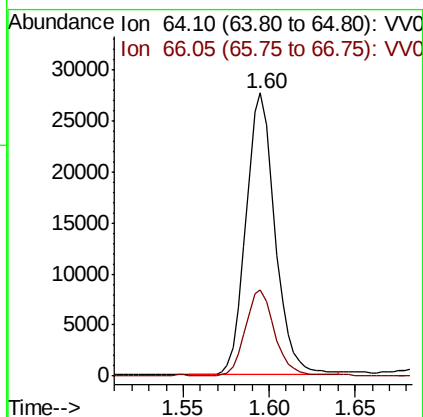
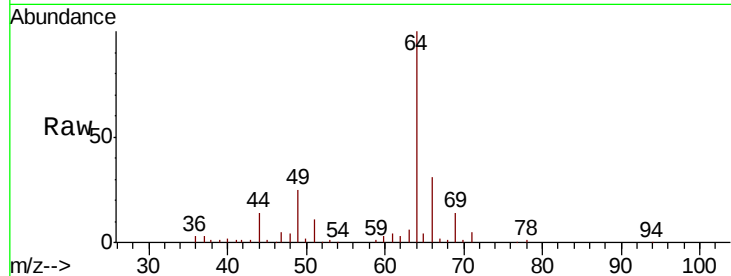




#8
Chloroethane
Concen: 3.831 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV016058.D
Acq: 14 May 2020 09:36

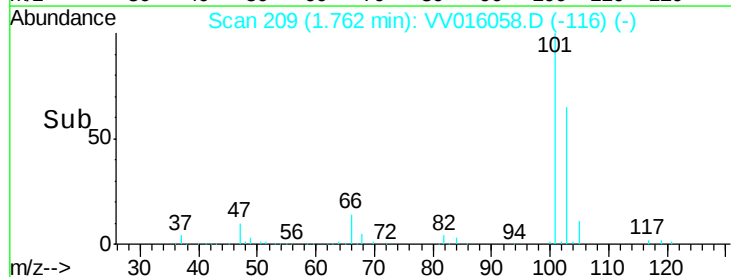
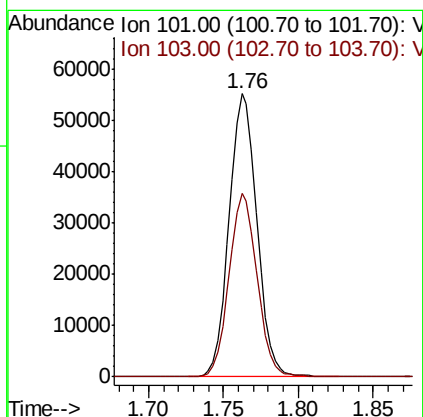
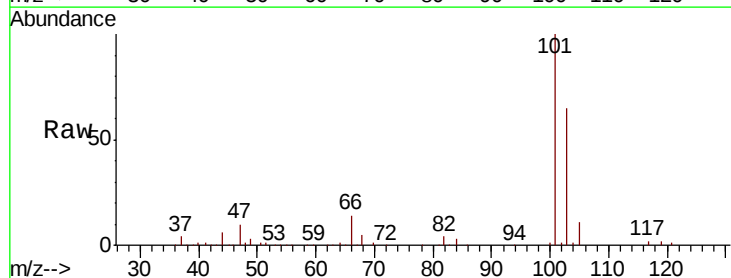
Instrument :
MSVOA_V
ClientSampleId :

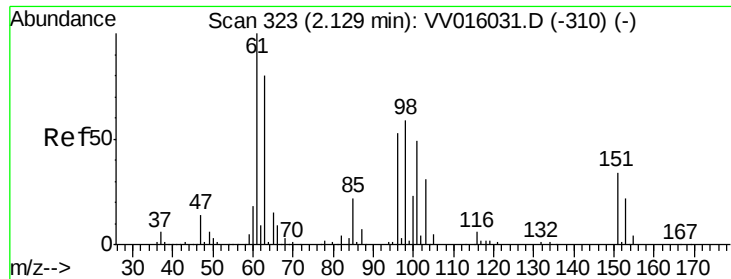
Tot Ion: 64 Resp: 32095
Ion Ratio Lower Upper
64 100
66 30.7 23.6 43.8



#9
Trichlorofluoromethane
Concen: 4.447 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV016058.D
Acq: 14 May 2020 09:36

Tgt Ion:101 Resp: 71718
Ion Ratio Lower Upper
101 100
103 65.2 51.4 77.2





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.580 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV016058.D

Acq: 14 May 2020 09:36

Instrument :

MSVOA_V

ClientSampleId :

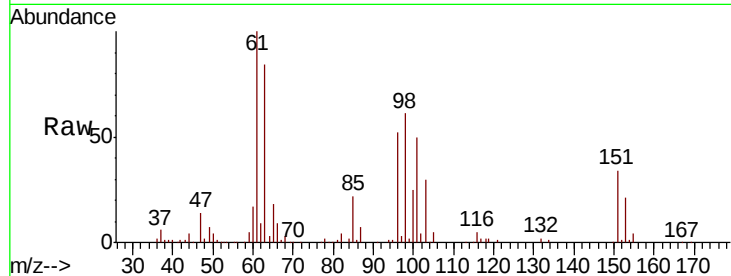
Tot Ion:101 Resp: 41717

Ion Ratio Lower Upper

101 100

85 45.2 35.7 53.5

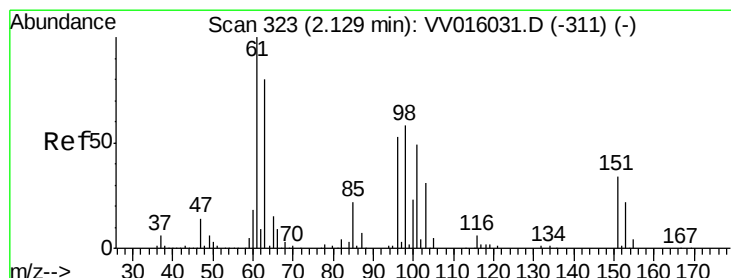
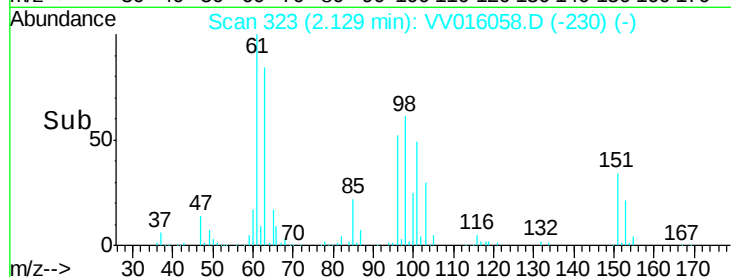
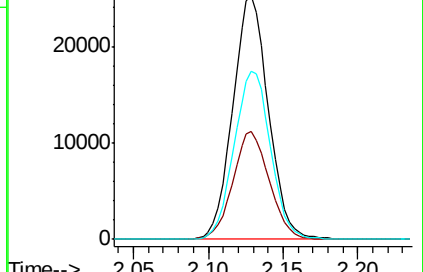
151 70.8 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): VV016031.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV016031.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV016031.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 4.393 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV016058.D

Acq: 14 May 2020 09:36

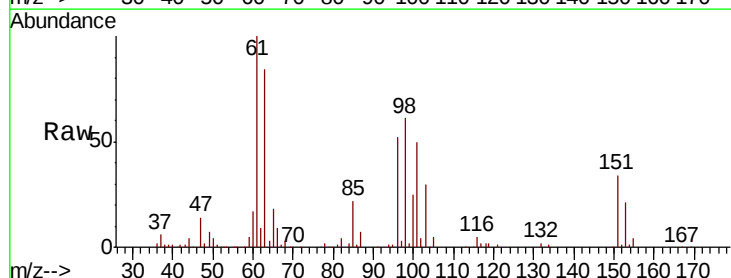
Tgt Ion: 96 Resp: 38312

Ion Ratio Lower Upper

96 100

61 191.9 139.9 259.7

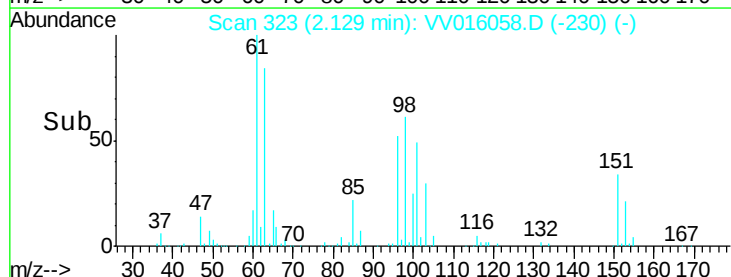
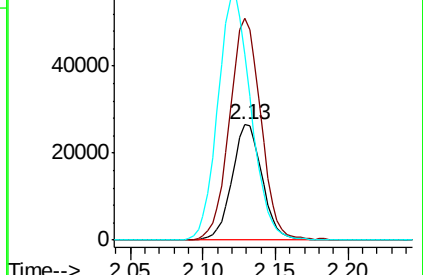
63 161.6 106.4 197.6

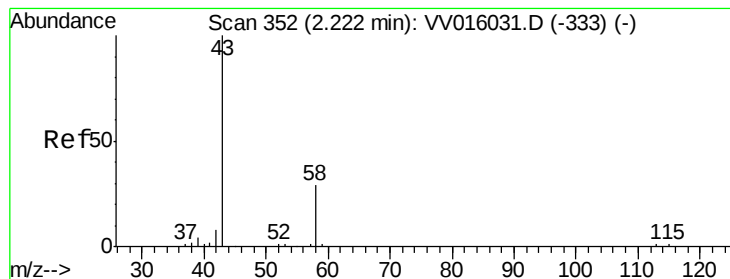


Abundance Ion 96.00 (95.70 to 96.70): VV016031.D (-311) (-)

Ion 61.05 (60.75 to 61.75): VV016031.D (-311) (-)

Ion 63.00 (62.70 to 63.70): VV016031.D (-311) (-)





#13

Acetone

Concen: 44.450 ug/L

RT: 2.25 min Scan# 361

Delta R.T. 0.03 min

Lab File: VV016058.D

Acq: 14 May 2020 09:36

Instrument :

MSVOA_V

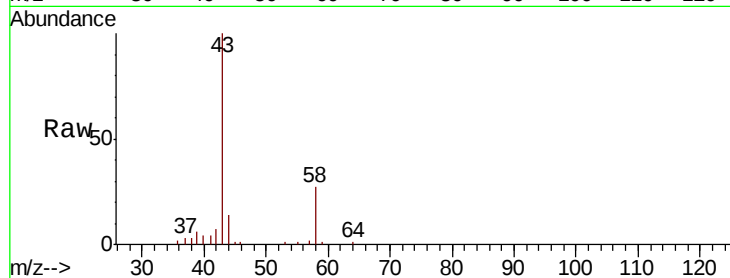
ClientSampleId :

Tot Ion: 43 Resp: 71916

Ion Ratio Lower Upper

43 100

58 17.0 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.25

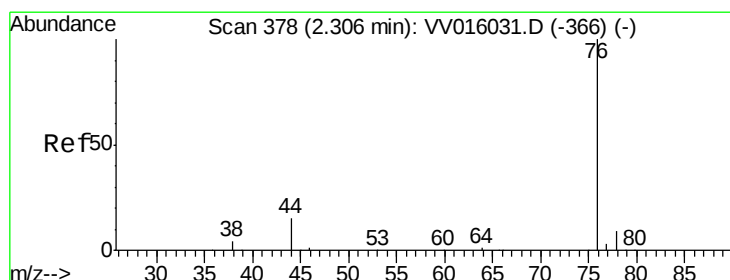
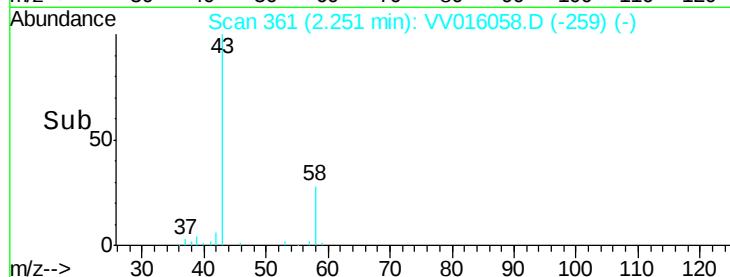
10000

5000

0

Time-->

2.10 2.20 2.30 2.40 2.50



#14

Carbon disulfide

Concen: 4.265 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV016058.D

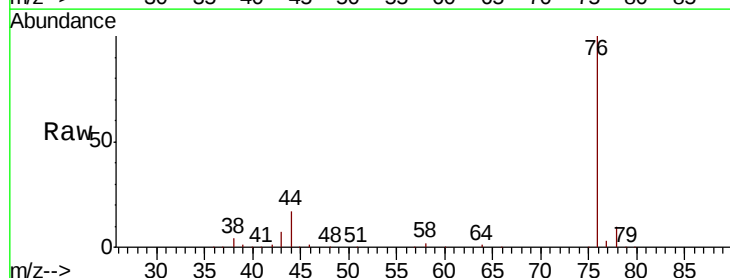
Acq: 14 May 2020 09:36

Tgt Ion: 76 Resp: 122804

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

80000

60000

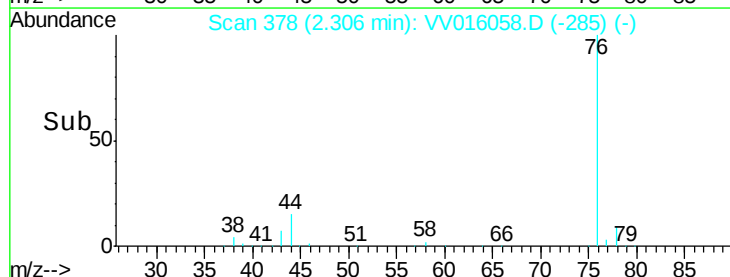
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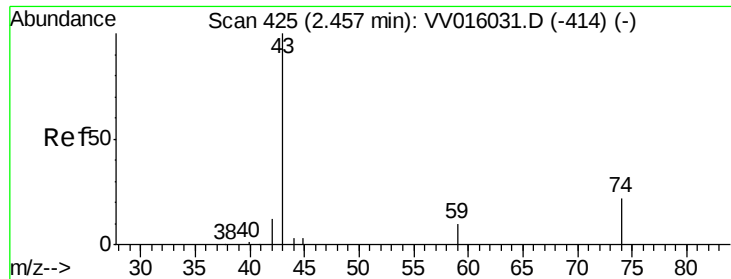
20000

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Time-->

2.25 2.30 2.35 2.40

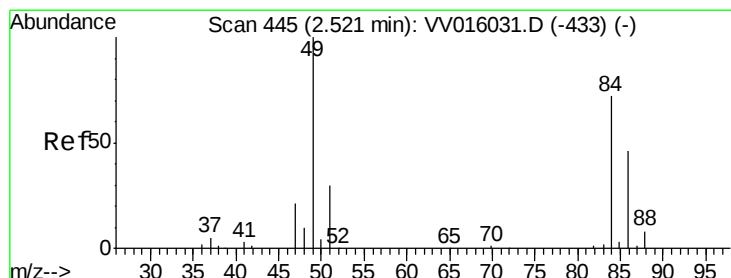
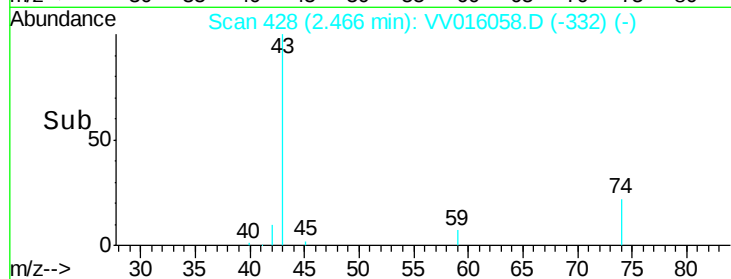
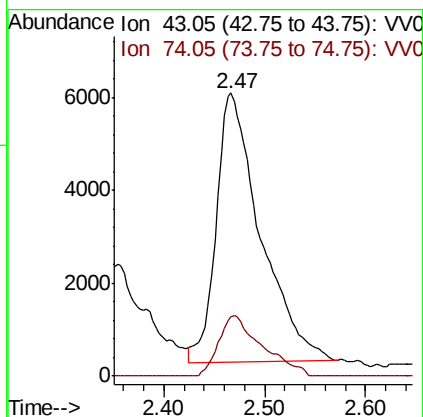
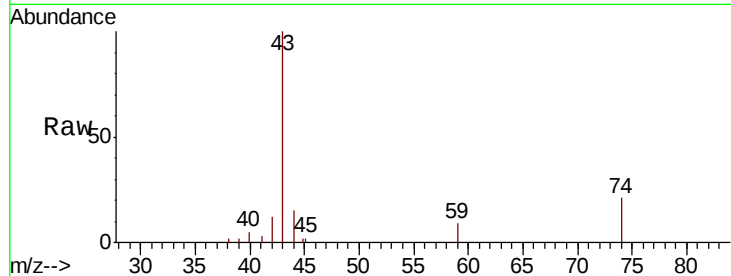




#15
Methvl Acetate
Concen: 4.703 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.01 min
Lab File: VV016058.D
Acq: 14 May 2020 09:36

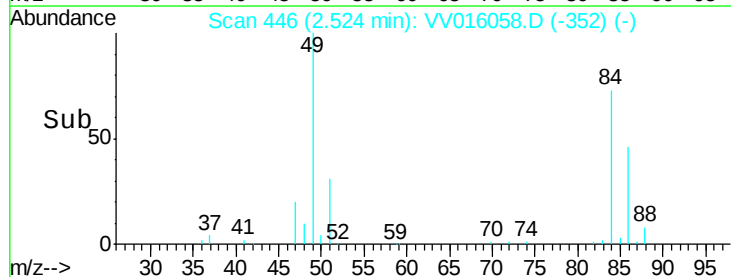
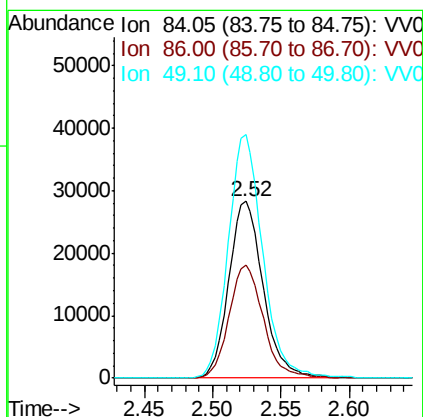
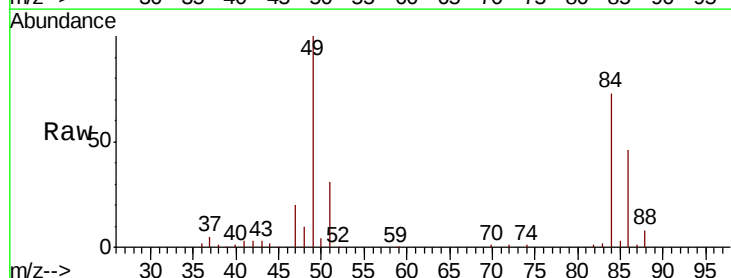
Instrument :
MSVOA_V
ClientSampleId :

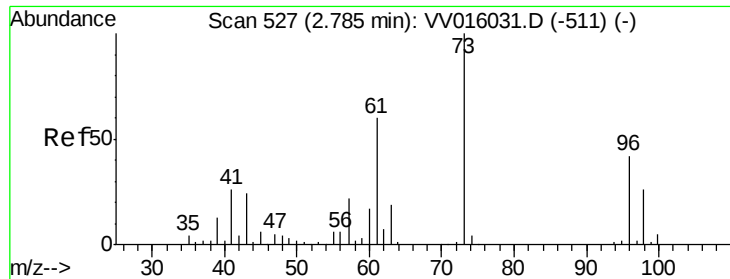
Tot Ion: 43 Resp: 17583
Ion Ratio Lower Upper
43 100
74 22.3 19.2 28.8



#16
Methylene chloride
Concen: 4.741 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV016058.D
Acq: 14 May 2020 09:36

Tgt Ion: 84 Resp: 49476
Ion Ratio Lower Upper
84 100
86 63.8 45.6 84.8
49 137.8 93.6 173.8

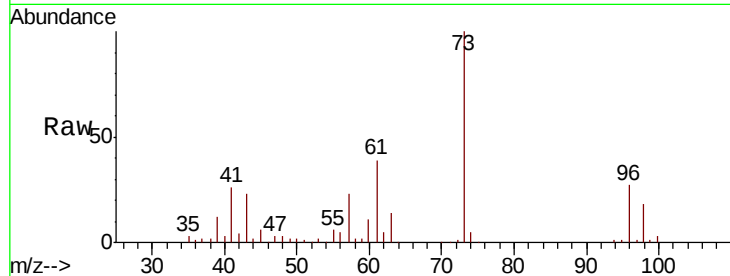




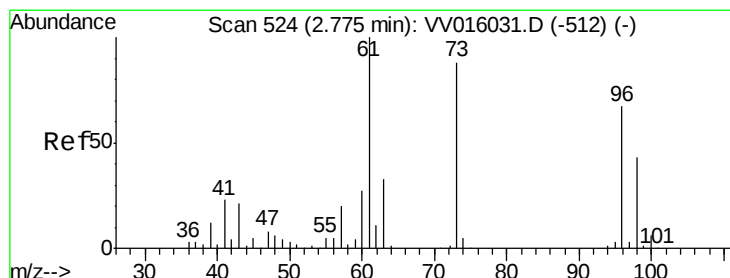
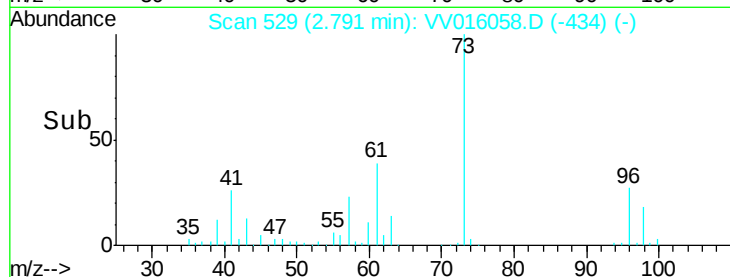
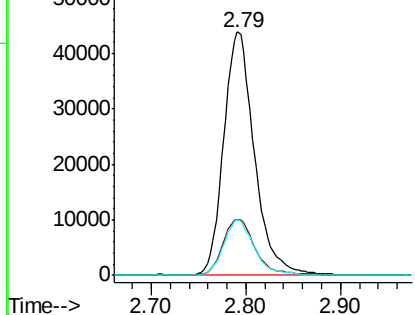
#17
Methvl tert-butvl Ether
Concen: 4.373 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.01 min
Lab File: VV016058.D
Acq: 14 May 2020 09:36

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 73 Resp: 99102
Ion Ratio Lower Upper
73 100
43 23.0 18.8 28.2
57 23.0 17.8 26.6

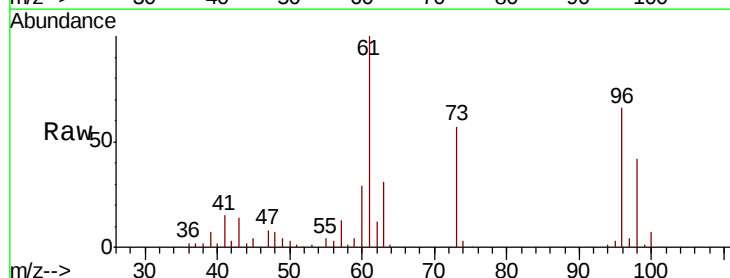


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

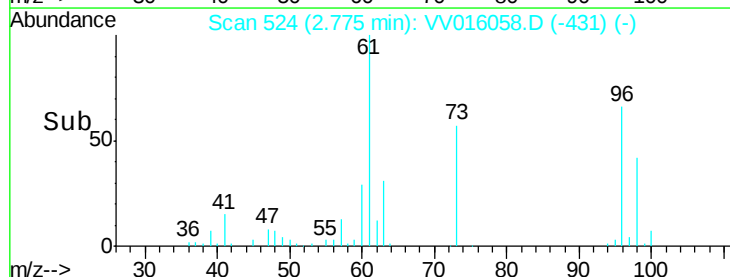
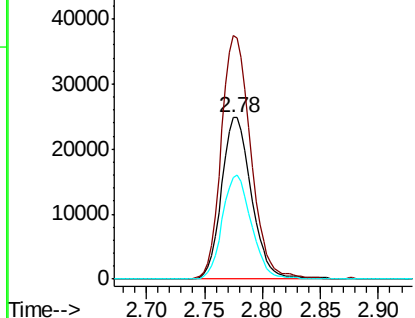


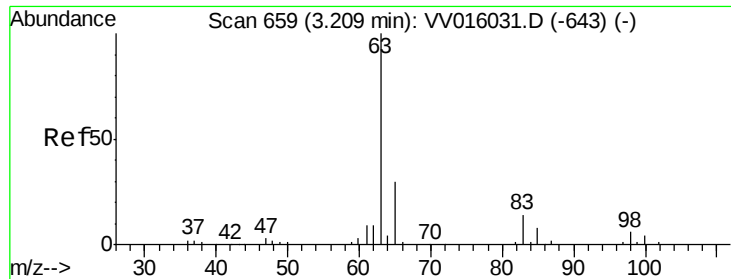
#18
trans-1,2-Dichloroethene
Concen: 4.612 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV016058.D
Acq: 14 May 2020 09:36

Tgt Ion: 96 Resp: 44452
Ion Ratio Lower Upper
96 100
61 150.8 105.3 195.5
98 62.6 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

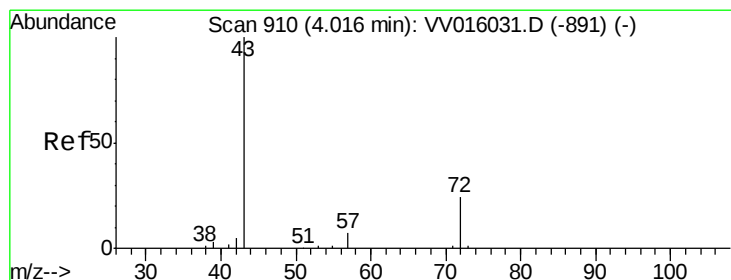
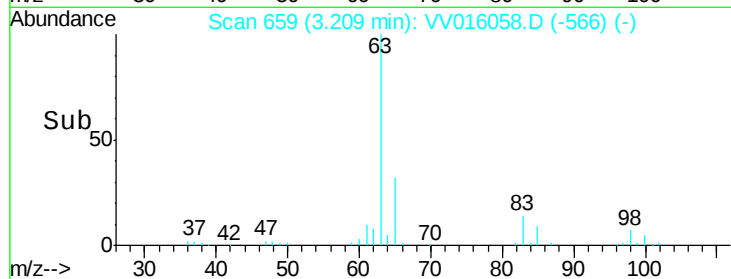
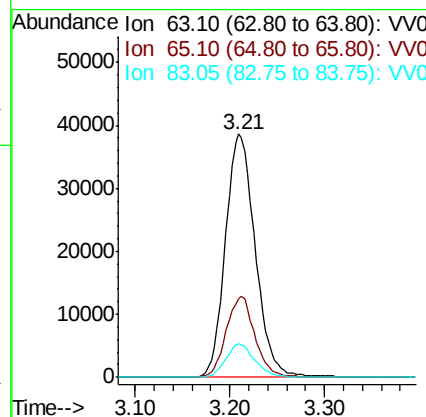
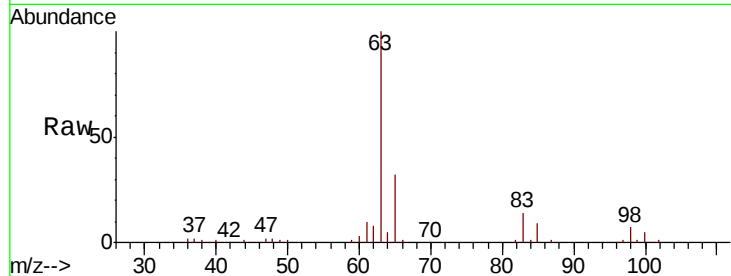




#19
 1,1-Dichloroethane
 Concen: 4.553 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV016058.D
 Acq: 14 May 2020 09:36

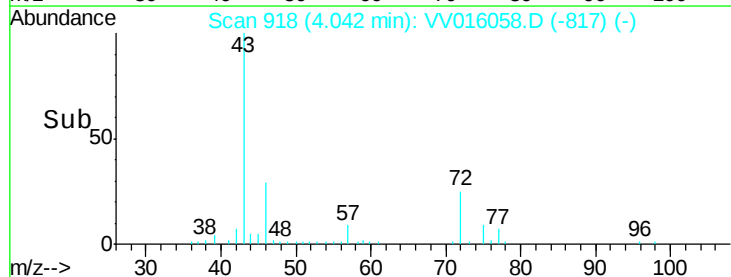
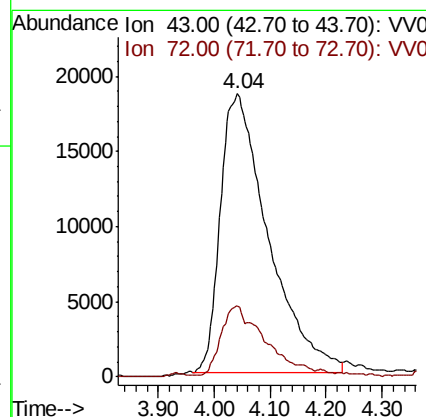
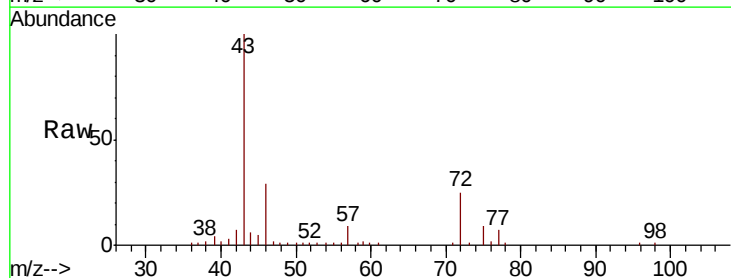
Instrument :
 MSVOA_V
 ClientSampled :

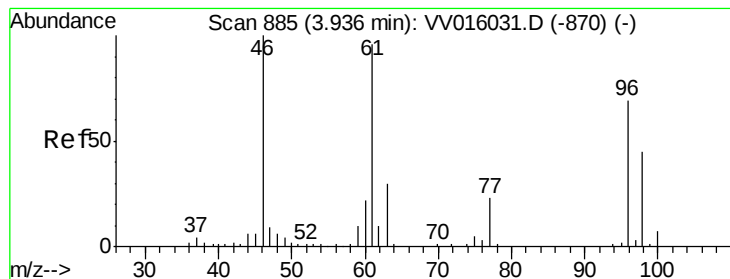
Tot Ion: 63 Resp: 84534
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.0 41.0
 83 13.9 9.8 18.2



#21
 2-Butanone
 Concen: 44.858 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. 0.03 min
 Lab File: VV016058.D
 Acq: 14 May 2020 09:36

Tgt Ion: 43 Resp: 110527
 Ion Ratio Lower Upper
 43 100
 72 12.0 10.5 31.5



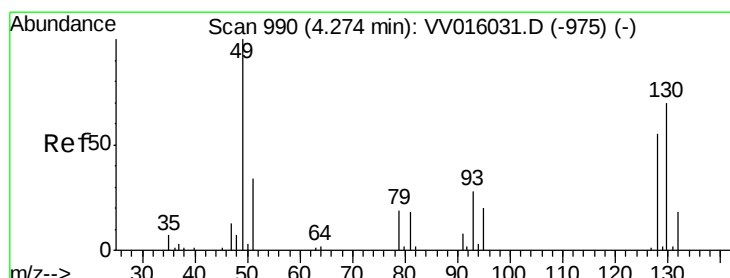
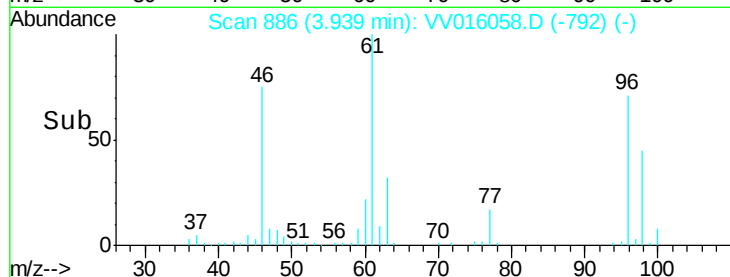
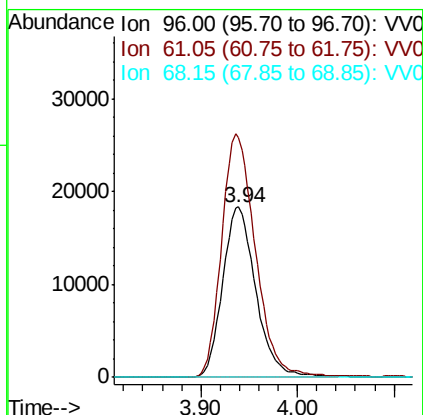
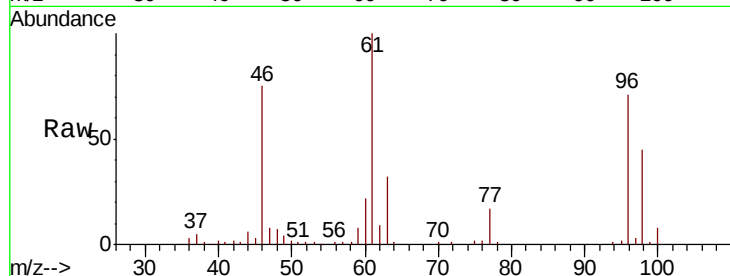


#22

cis-1,2-Dichloroethene
Concen: 4.336 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV016058.D
Acq: 14 May 2020 09:36

Instrument :
MSVOA_V
ClientSampleId :

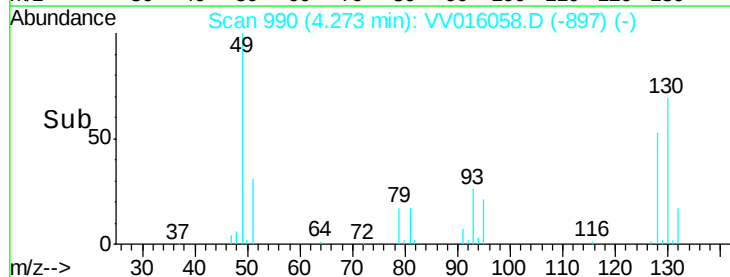
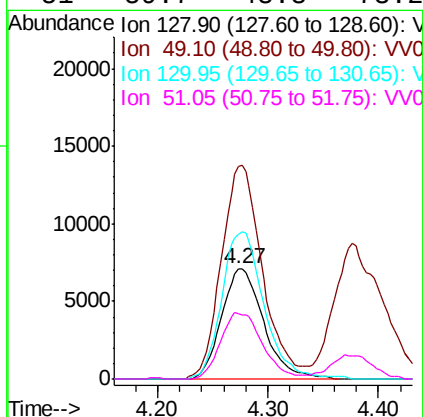
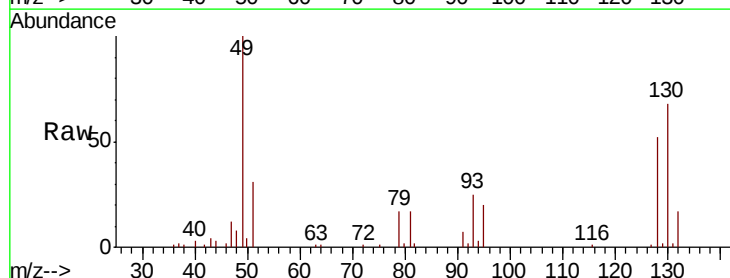
Tot Ion: 96 Resp: 43750
Ion Ratio Lower Upper
96 100
61 140.7 97.2 180.6
68 0.0 0.0 0.0

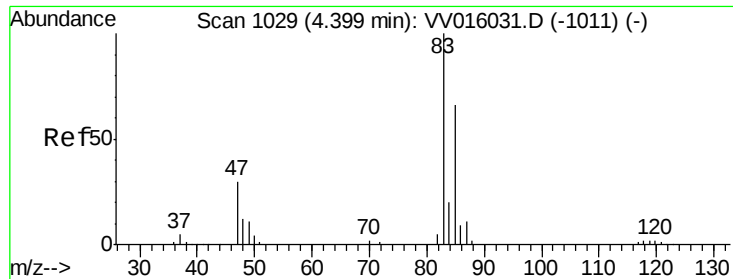


#23

Bromochloromethane
Concen: 4.354 ug/L
RT: 4.27 min Scan# 990
Delta R.T. -0.00 min
Lab File: VV016058.D
Acq: 14 May 2020 09:36

Tgt Ion: 128 Resp: 18750
Ion Ratio Lower Upper
128 100
49 192.8 131.3 243.8
130 130.6 91.8 170.4
51 59.7 48.8 73.2

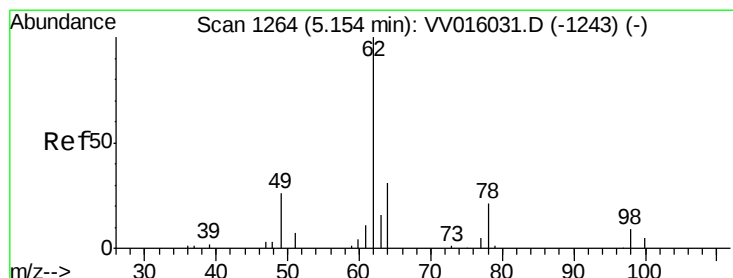
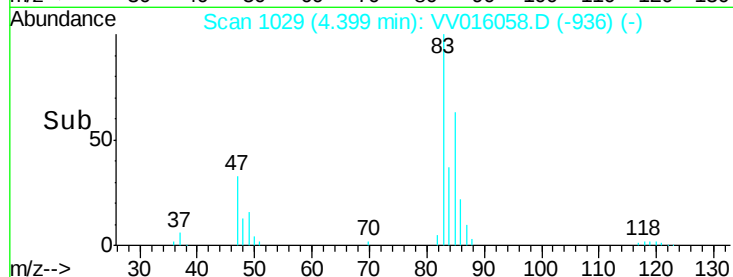
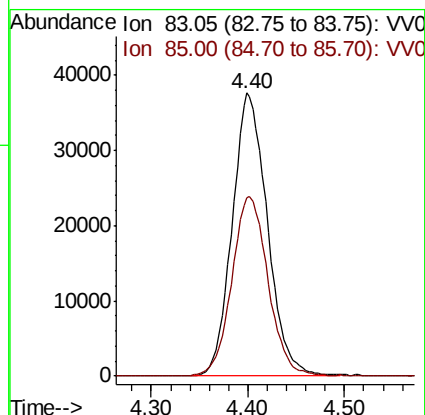
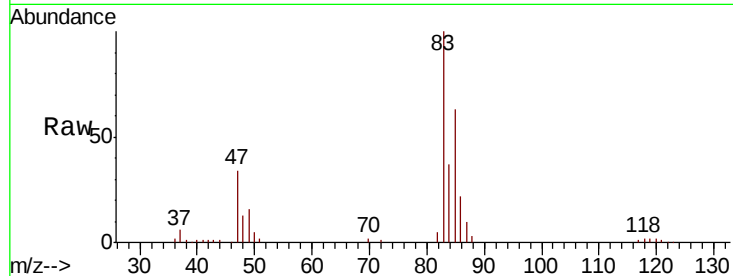




#25
Chloroform
Concen: 4.645 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV016058.D
Acq: 14 May 2020 09:36

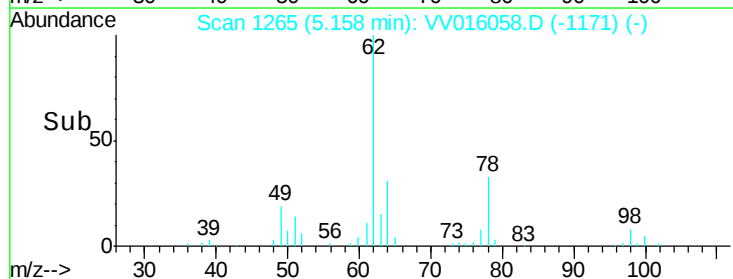
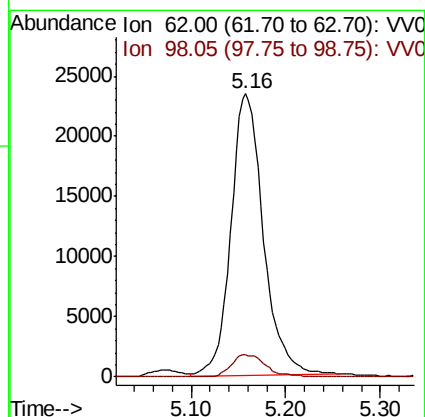
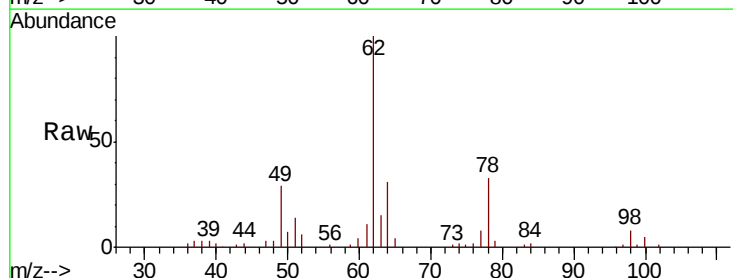
Instrument :
MSVOA_V
ClientSampleId :

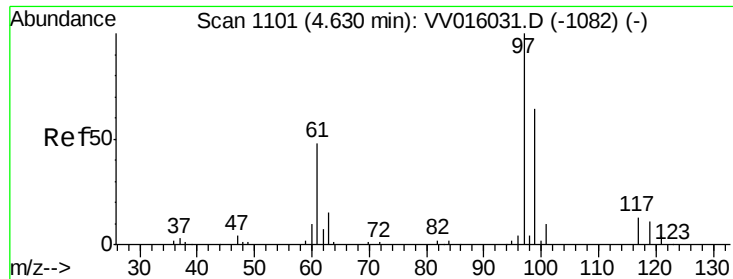
Tot Ion: 83 Resp: 94977
Ion Ratio Lower Upper
83 100
85 63.2 45.7 84.9



#27
1,2-Dichloroethane
Concen: 4.447 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV016058.D
Acq: 14 May 2020 09:36

Tgt Ion: 62 Resp: 55860
Ion Ratio Lower Upper
62 100
98 7.8 6.7 10.1

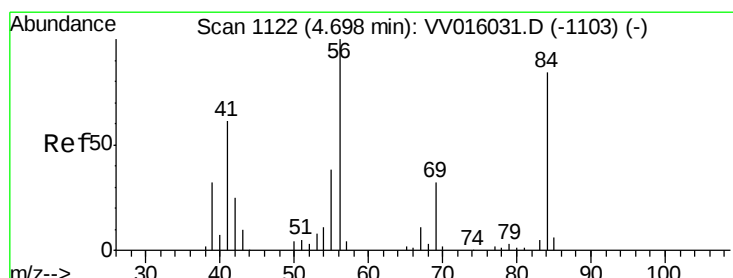
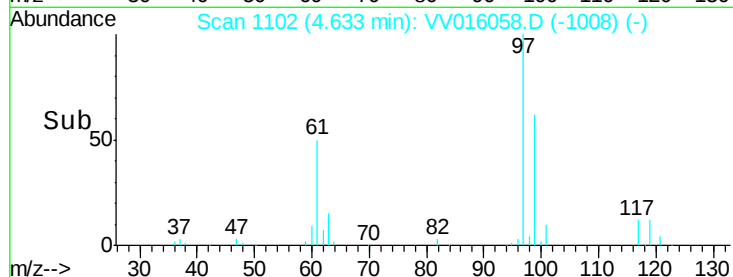
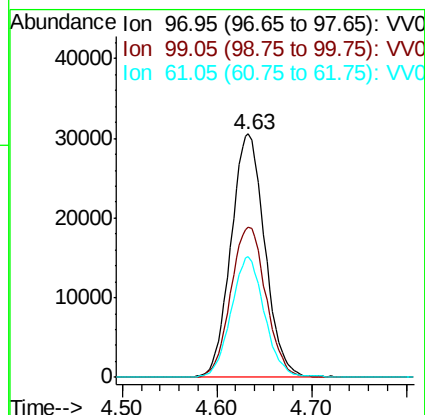
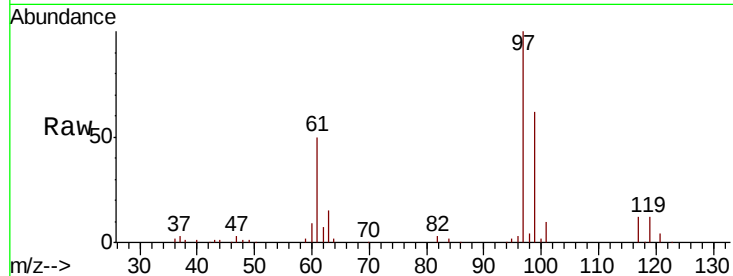




#29
 1,1,1-Trichloroethane
 Concen: 4.384 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV016058.D
 Acq: 14 May 2020 09:36

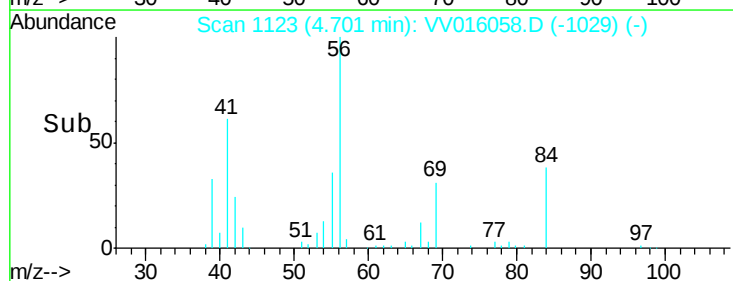
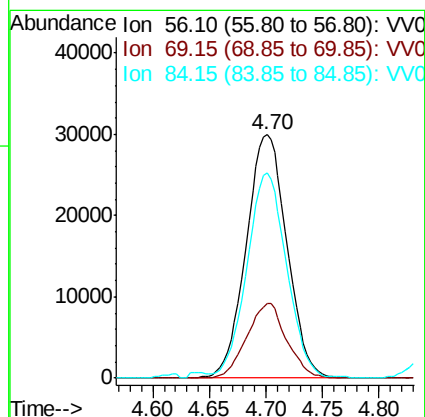
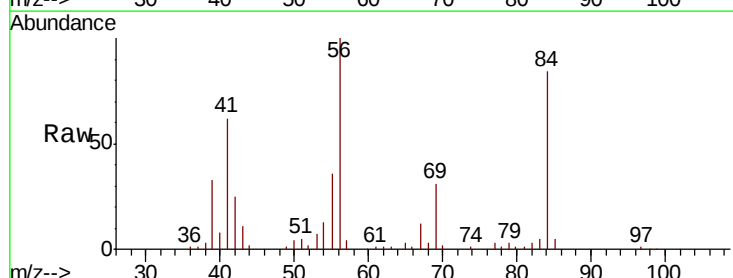
Instrument :
 MSVOA_V
 ClientSampleId :

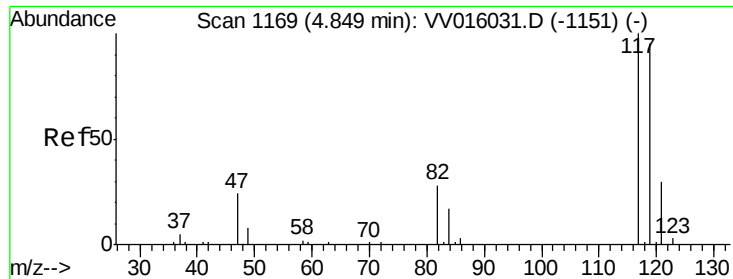
Tot Ion: 97 Resp: 76052
 Ion Ratio Lower Upper
 97 100
 99 64.2 50.7 76.1
 61 48.7 38.8 58.2



#30
 Cyclohexane
 Concen: 4.318 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VV016058.D
 Acq: 14 May 2020 09:36

Tgt Ion: 56 Resp: 75059
 Ion Ratio Lower Upper
 56 100
 69 29.9 24.2 36.2
 84 82.5 68.3 102.5

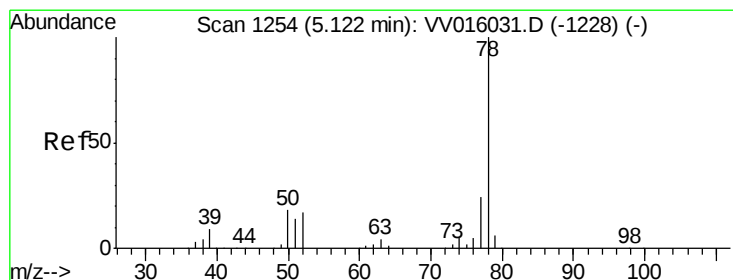
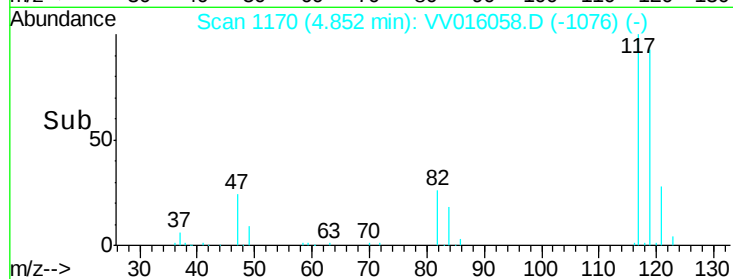
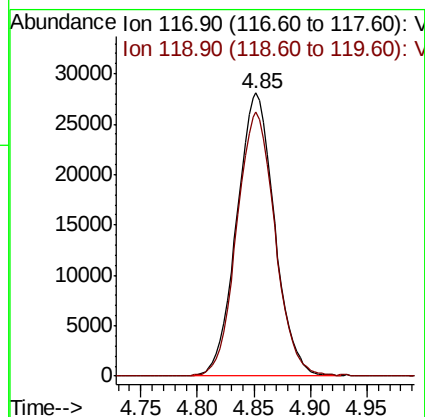
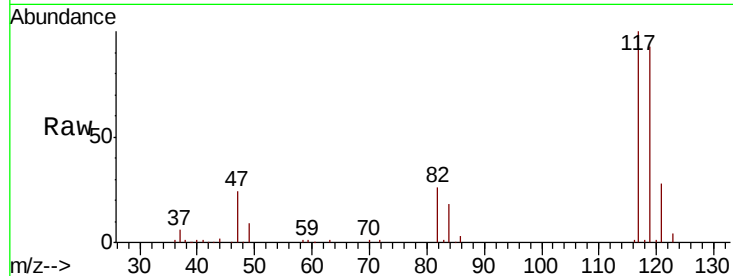




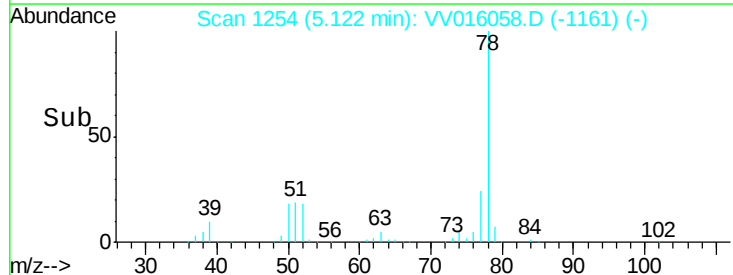
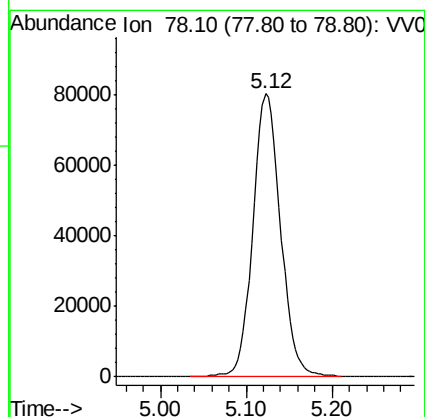
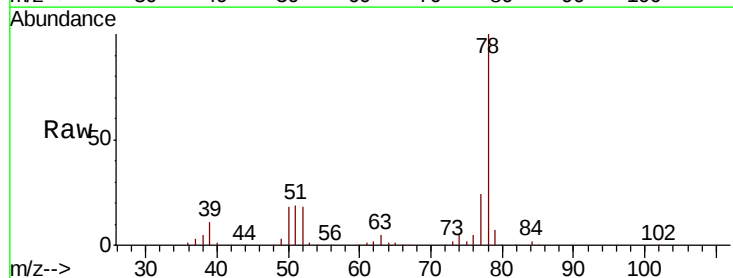
#31
Carbon tetrachloride
Concen: 4.365 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VV016058.D
Acq: 14 May 2020 09:36

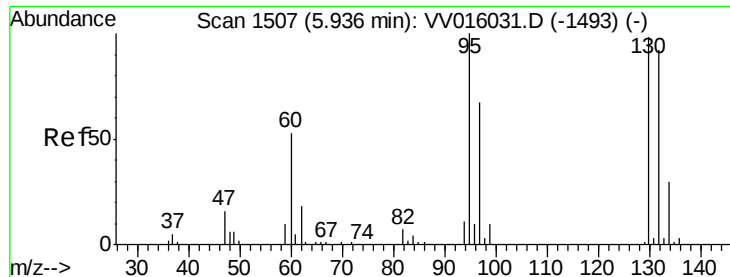
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 65349
Ion Ratio Lower Upper
117 100
119 94.2 77.3 115.9



#33
Benzene
Concen: 4.562 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VV016058.D
Acq: 14 May 2020 09:36
Tgt Ion: 78 Resp: 180560

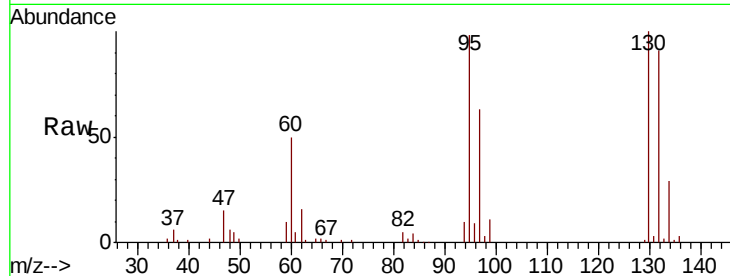




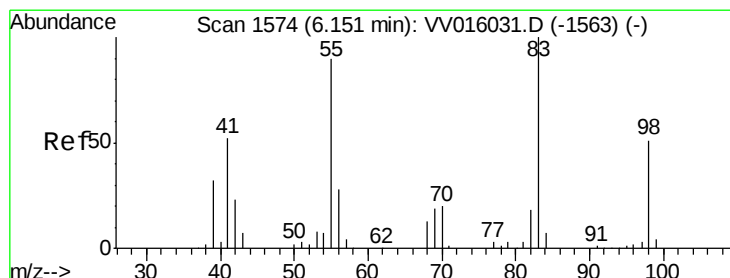
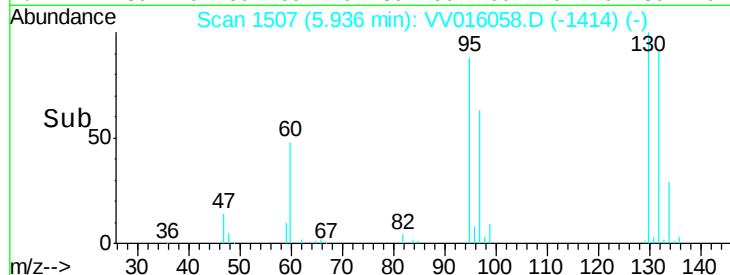
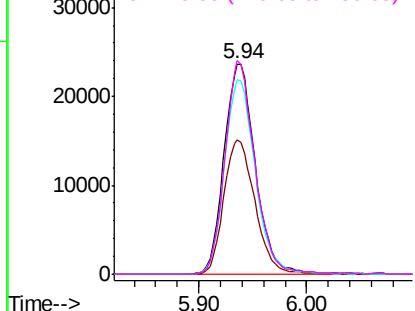
#34
 Trichloroethene
 Concen: 4.225 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV016058.D
 Acq: 14 May 2020 09:36

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 47723
 Ion Ratio Lower Upper
 95 100
 97 64.0 43.3 80.5
 132 92.8 60.3 112.1
 130 101.7 66.0 122.6

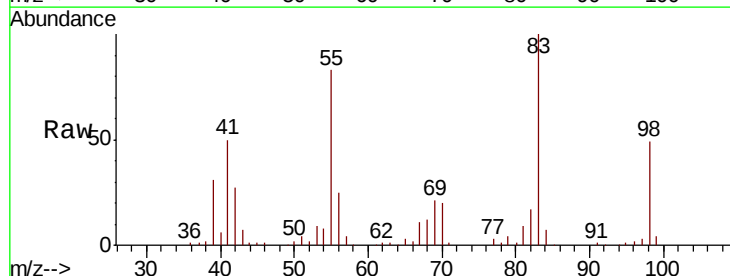


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

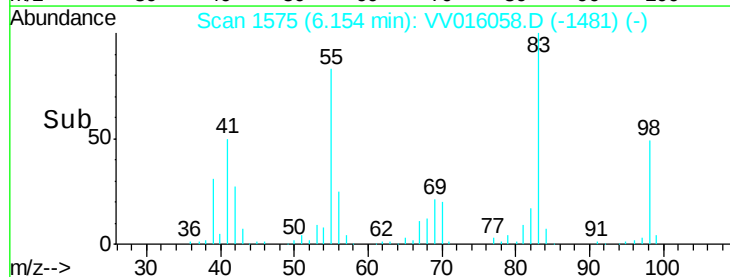
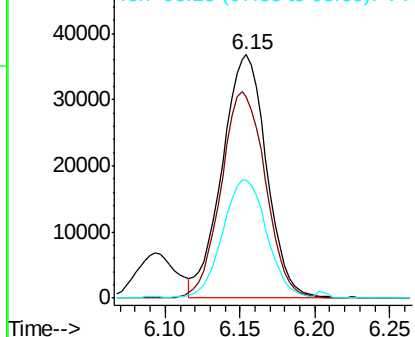


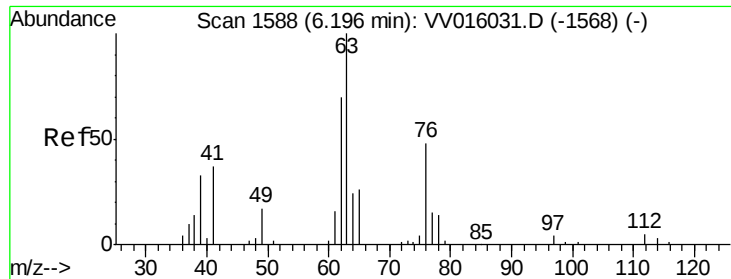
#35
 Methylcyclohexane
 Concen: 4.440 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV016058.D
 Acq: 14 May 2020 09:36

Tgt Ion: 83 Resp: 75867
 Ion Ratio Lower Upper
 83 100
 55 85.0 66.2 99.2
 98 47.7 37.9 56.9



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

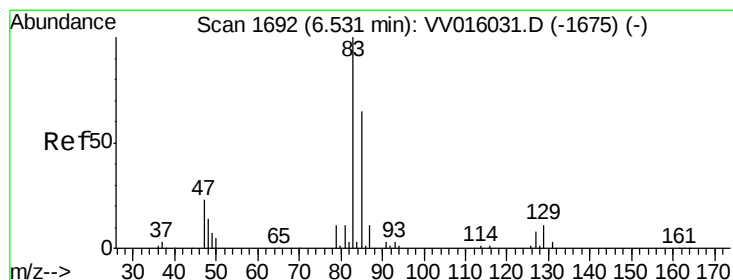
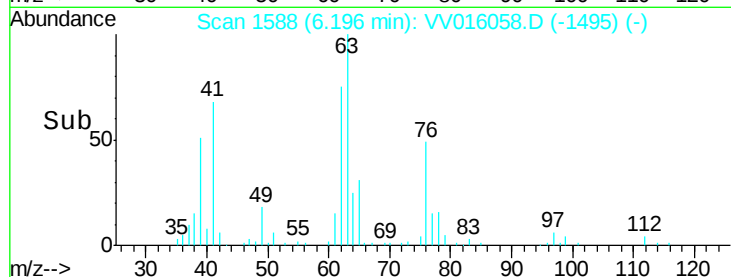
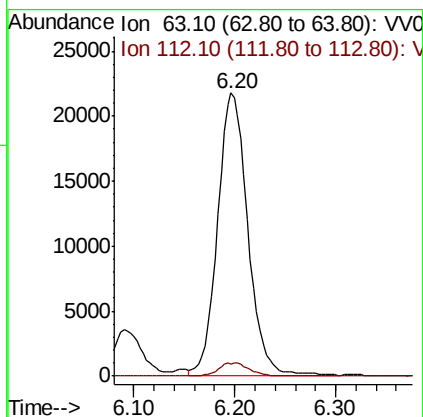
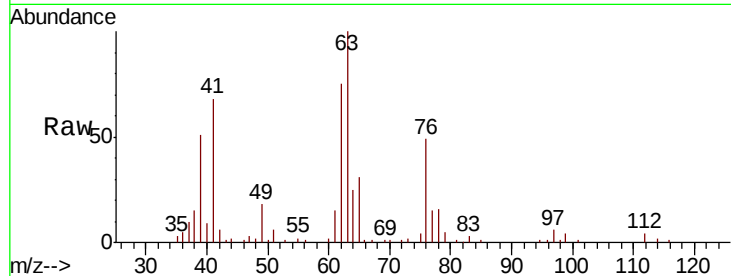




#37
 1,2-Dichloropropane
 Concen: 4.549 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV016058.D
 Acq: 14 May 2020 09:36

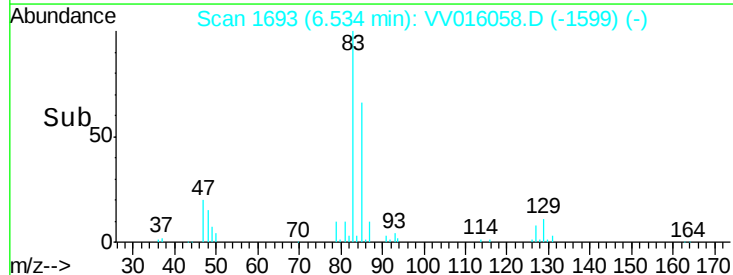
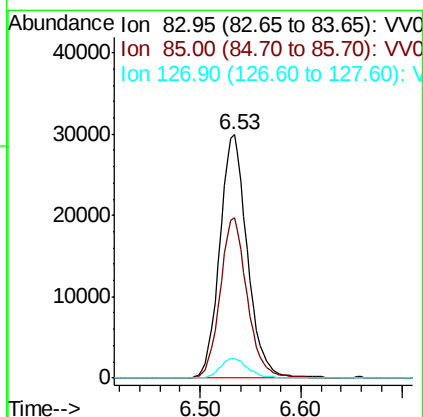
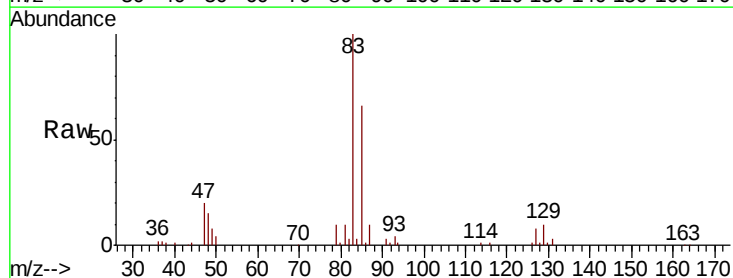
Instrument :
 MSVOA_V
 ClientSampled :

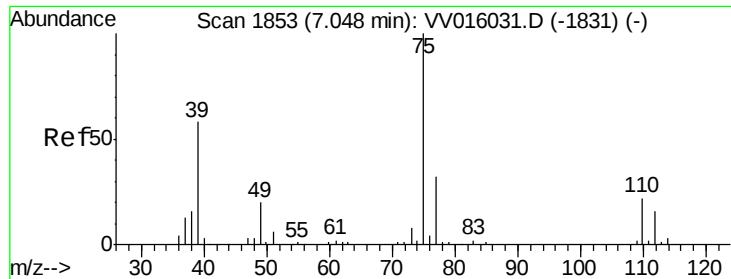
Tot Ion: 63 Resp: 45735
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.4 5.0



#38
 Bromodichloromethane
 Concen: 4.475 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV016058.D
 Acq: 14 May 2020 09:36

Tgt Ion: 83 Resp: 57141
 Ion Ratio Lower Upper
 83 100
 85 65.7 45.5 84.5
 127 8.0 6.2 9.4

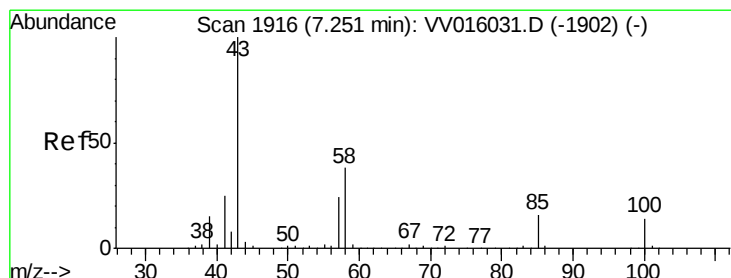
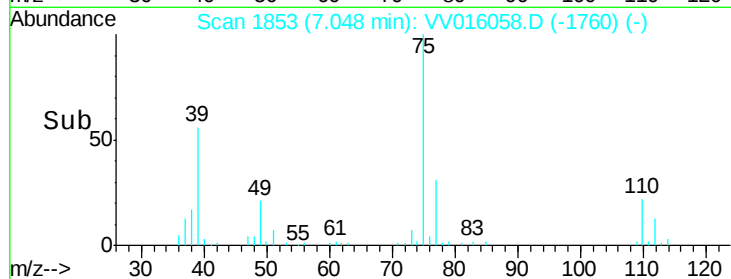
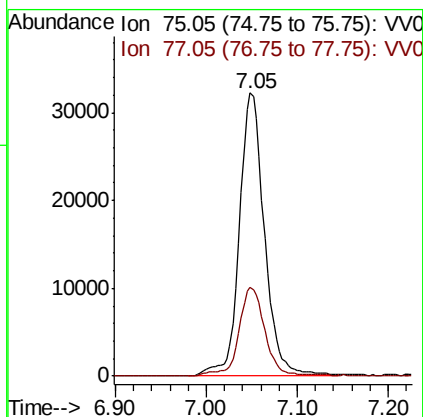
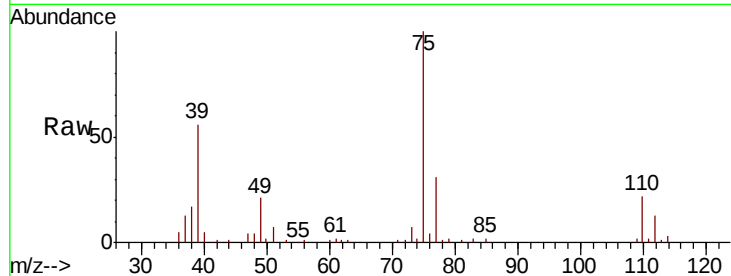




#39
 cis-1,3-Dichloropropene
 Concen: 4.379 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV016058.D
 Acq: 14 May 2020 09:36

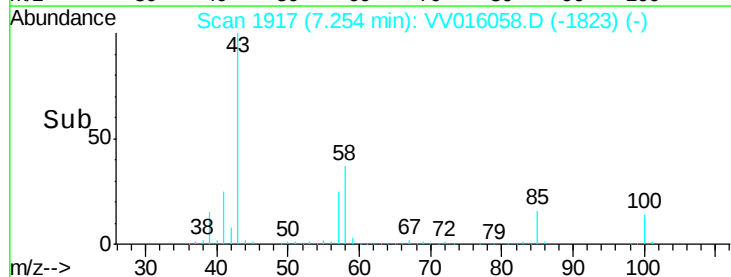
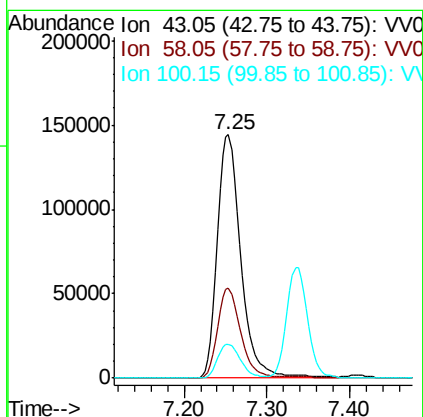
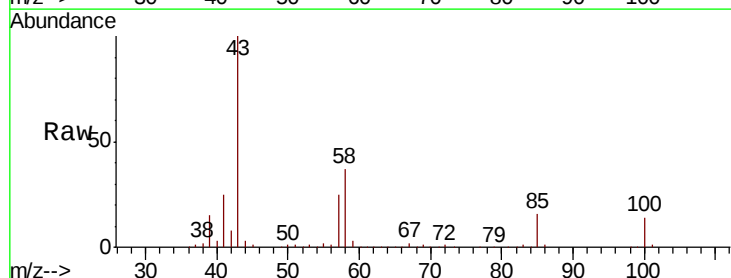
Instrument :
 MSVOA_V
 ClientSampleId :

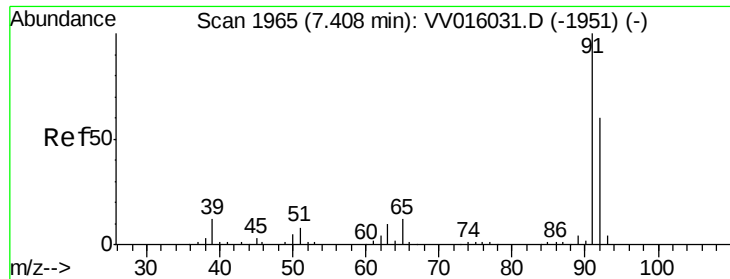
Tot Ion: 75 Resp: 62226
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.3 39.5



#40
 4-Methyl-2-pentanone
 Concen: 45.264 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV016058.D
 Acq: 14 May 2020 09:36

Tgt Ion: 43 Resp: 283669
 Ion Ratio Lower Upper
 43 100
 58 35.9 29.0 43.4
 100 13.6 10.9 16.3





#42

Toluene

Concen: 4.673 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV016058.D

Acq: 14 May 2020 09:36

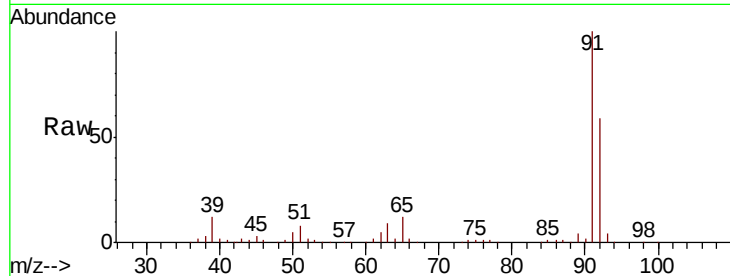
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 196012

Ion Ratio Lower Upper

91 100

92 58.7 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV016031.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV016031.D (-1951) (-)

7.41

120000

100000

80000

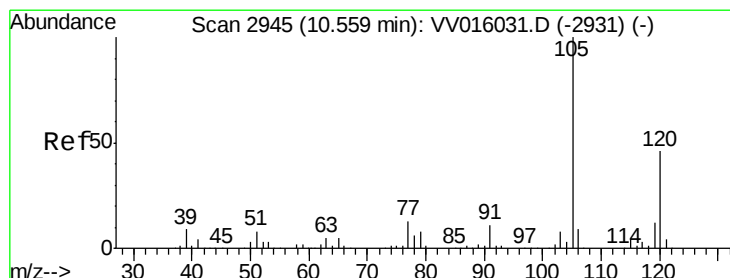
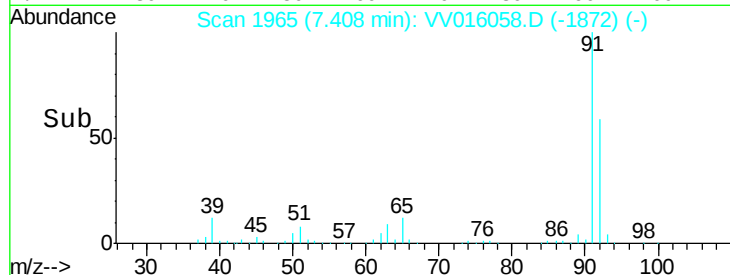
60000

40000

20000

0

Time--> 7.30 7.40 7.50



#43

1,3,5-Trimethylbenzene

Concen: 4.501 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV016058.D

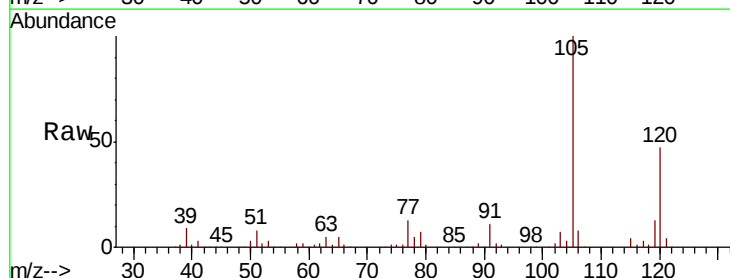
Acq: 14 May 2020 09:36

Tgt Ion:105 Resp: 173330

Ion Ratio Lower Upper

105 100

120 47.5 0.0 0.0#



Abundance Ion 105.00 (104.70 to 105.70): VV016031.D (-2931) (-)

Ion 120.00 (119.70 to 120.70): VV016031.D (-2931) (-)

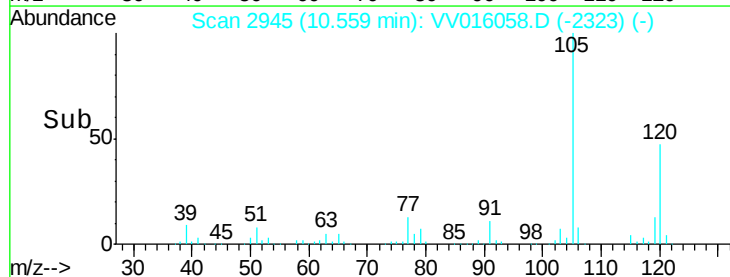
10.56

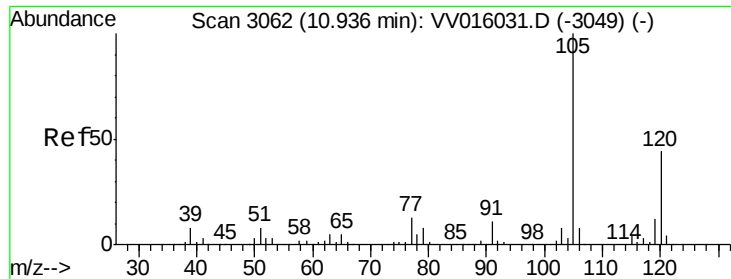
100000

50000

0

Time--> 10.50 10.55 10.60 10.65

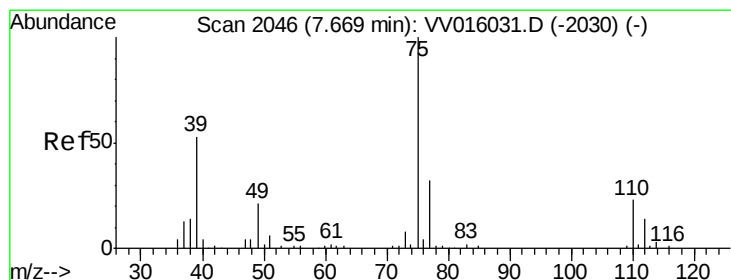
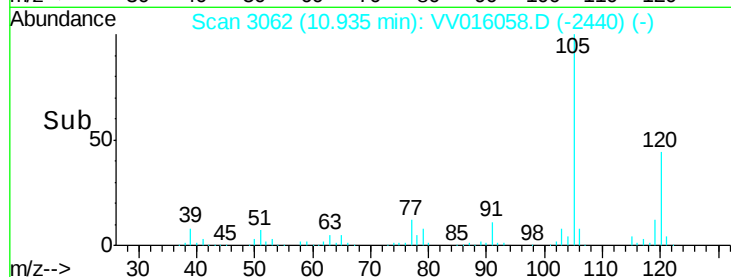
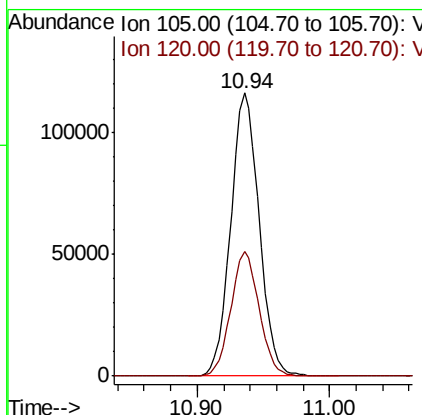
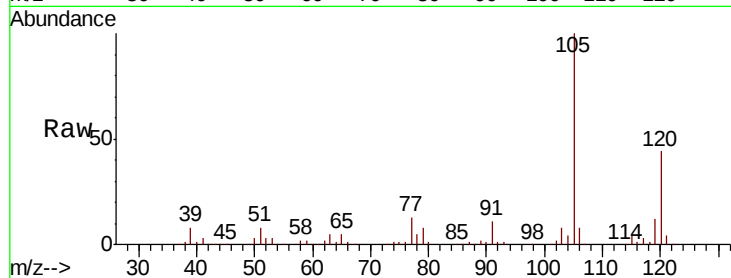




#44
 1,2,4-Trimethylbenzene
 Concen: 4.503 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV016058.D
 Acq: 14 May 2020 09:36

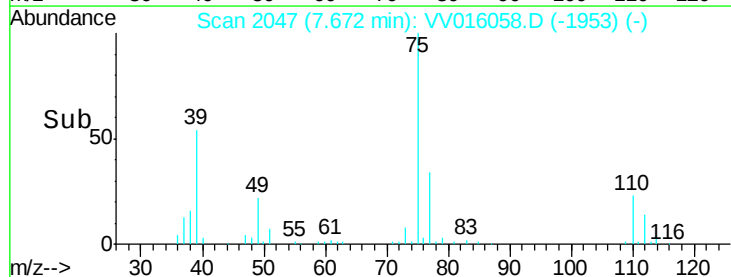
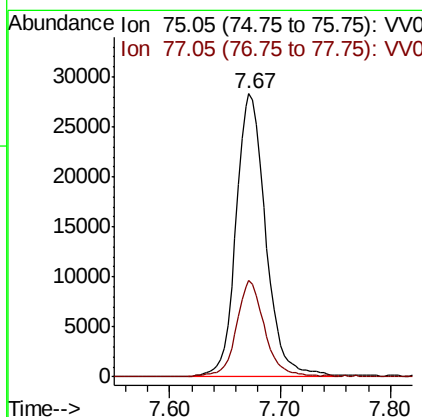
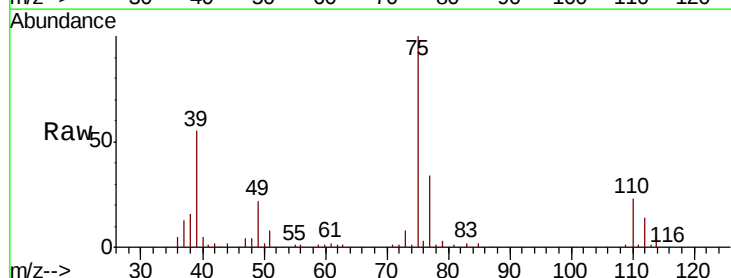
Instrument :
 MSVOA_V
 ClientSampleId :

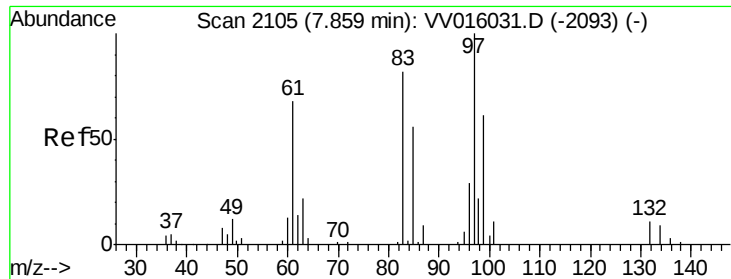
Tot Ion:105 Resp: 173309
 Ion Ratio Lower Upper
 105 100
 120 43.9 0.0 0.0#



#46
 trans-1,3-Dichloropropene
 Concen: 4.399 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. 0.00 min
 Lab File: VV016058.D
 Acq: 14 May 2020 09:36

Tgt Ion: 75 Resp: 52804
 Ion Ratio Lower Upper
 75 100
 77 34.0 21.3 39.6

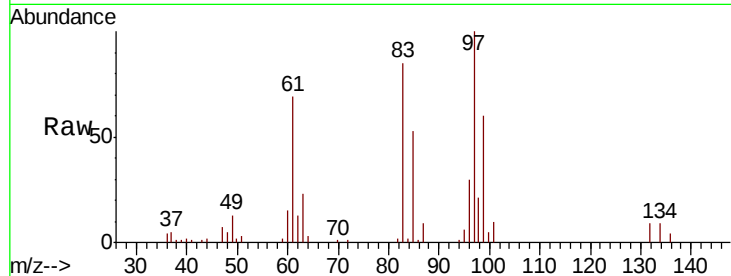




#47
 1,1,2-Trichloroethane
 Concen: 4.454 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV016058.D
 Acq: 14 May 2020 09:36

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	29906
Ion	Ratio	Lower	Upper
97	100		
99	60.4	42.1	78.1
83	85.5	59.2	110.0
85	53.3	38.6	71.8

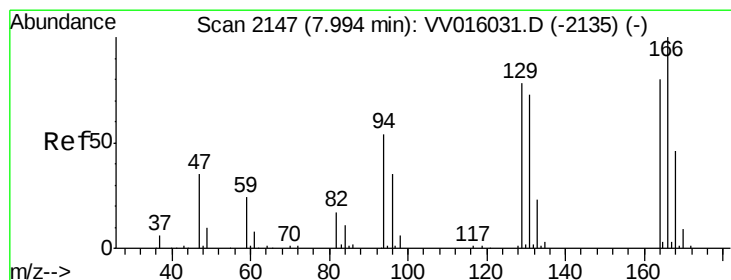
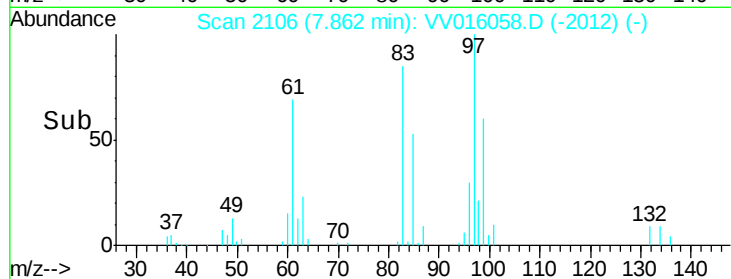
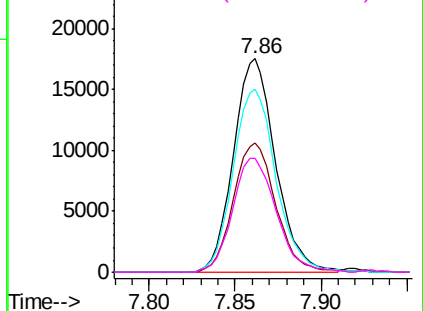


Abundance Ion 96.95 (96.65 to 97.65): VV016058.D (-2012) (-)

Ion 99.05 (98.75 to 99.75): VV016058.D (-2012) (-)

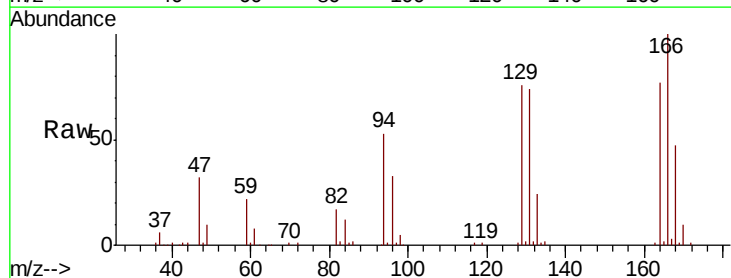
Ion 82.95 (82.65 to 83.65): VV016058.D (-2012) (-)

Ion 85.00 (84.70 to 85.70): VV016058.D (-2012) (-)



#49
 Tetrachloroethene
 Concen: 4.641 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV016058.D
 Acq: 14 May 2020 09:36

Tgt Ion:	164	Resp:	36578
Ion	Ratio	Lower	Upper
164	100		
129	99.0	69.7	129.4
131	96.7	66.8	124.2
166	130.5	89.1	165.5

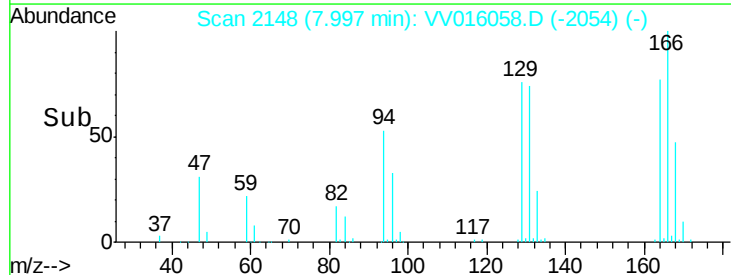
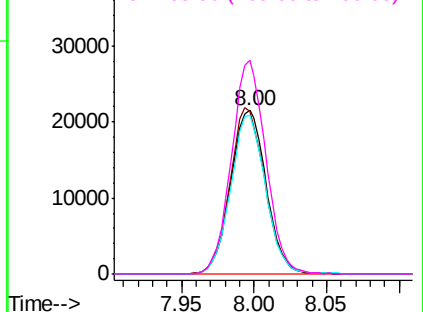


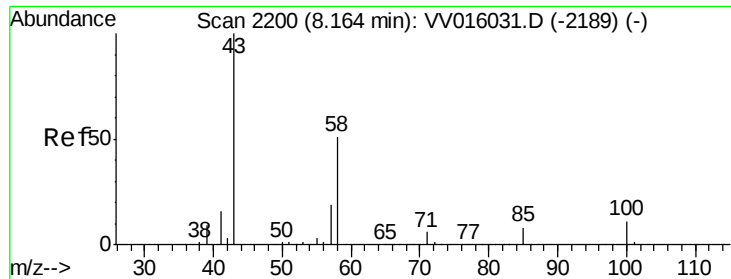
Abundance Ion 163.90 (163.60 to 164.60): VV016058.D (-2054) (-)

Ion 128.95 (128.65 to 129.65): VV016058.D (-2054) (-)

Ion 130.95 (130.65 to 131.65): VV016058.D (-2054) (-)

Ion 165.90 (165.60 to 166.60): VV016058.D (-2054) (-)

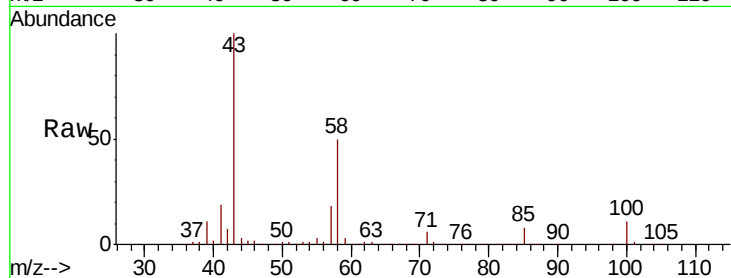




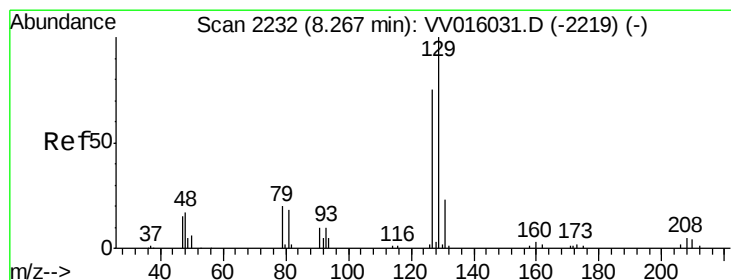
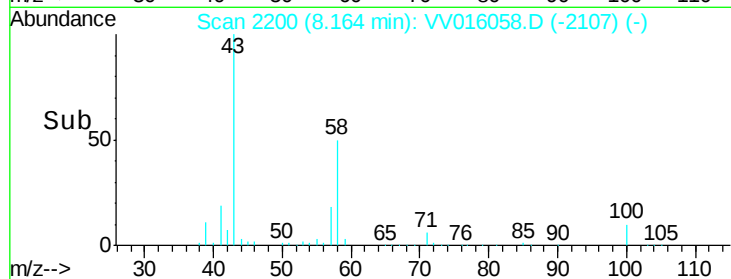
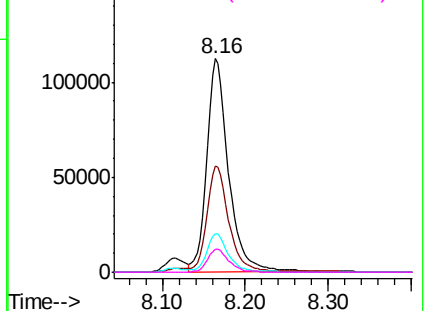
#50
2-Hexanone
Concen: 46.751 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV016058.D
Acq: 14 May 2020 09:36

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 207193
Ion Ratio Lower Upper
43 100
58 52.6 40.8 61.2
57 18.0 14.7 22.1
100 10.9 9.0 13.6

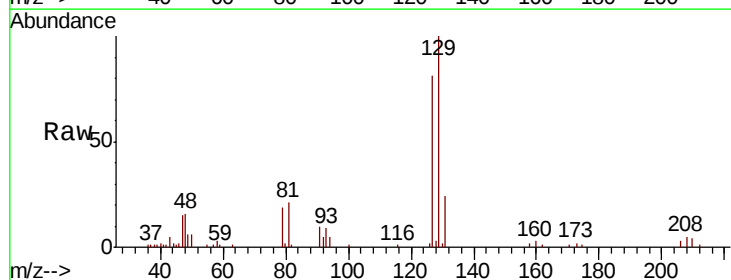


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

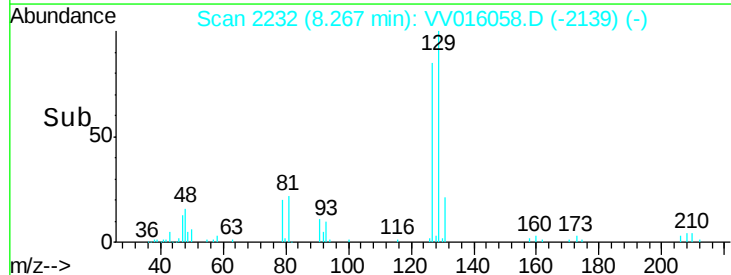
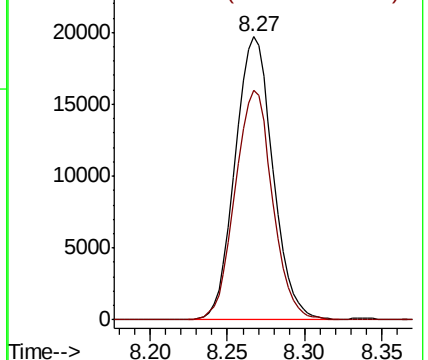


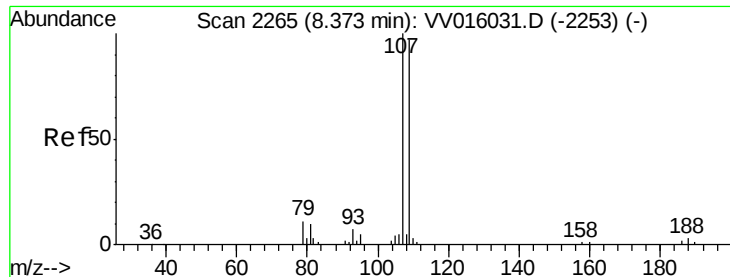
#51
Dibromochloromethane
Concen: 4.431 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV016058.D
Acq: 14 May 2020 09:36

Tgt Ion: 129 Resp: 33434
Ion Ratio Lower Upper
129 100
127 81.2 56.0 104.0



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#52

1,2-Dibromoethane

Concen: 4.451 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. -0.00 min

Lab File: VV016058.D

Acq: 14 May 2020 09:36

Instrument :
MSVOA_V
ClientSampleId :

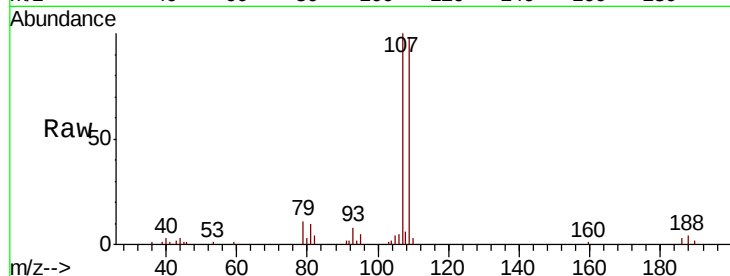
Tot Ion:107 Resp: 27719

Ion Ratio Lower Upper

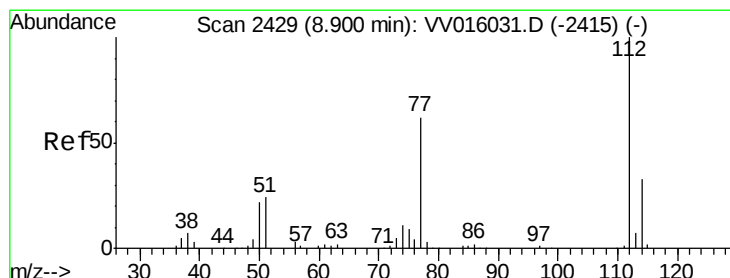
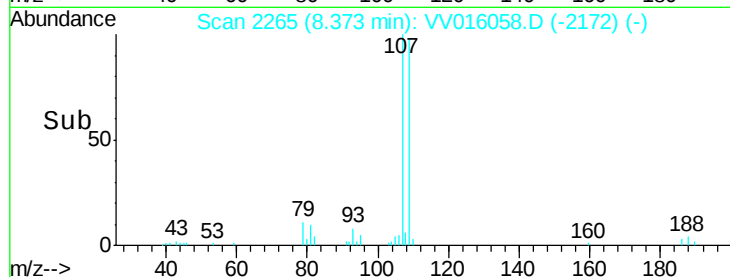
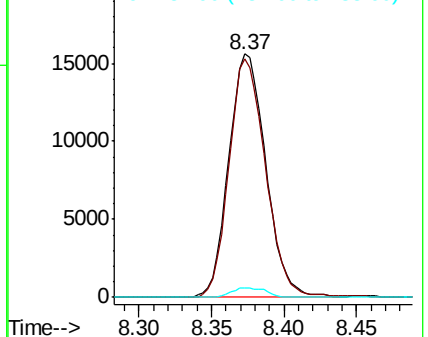
107 100

109 98.0 68.9 127.9

188 3.8 2.7 4.1



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#53

Chlorobenzene

Concen: 4.534 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV016058.D

Acq: 14 May 2020 09:36

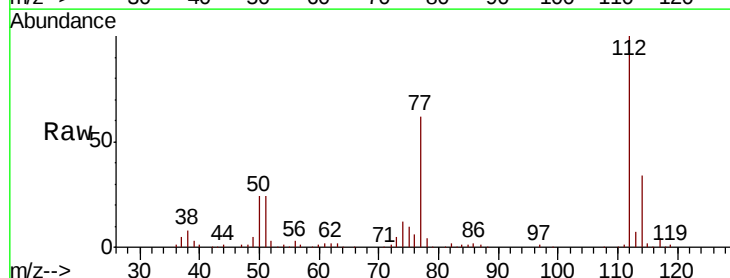
Tgt Ion:112 Resp: 122328

Ion Ratio Lower Upper

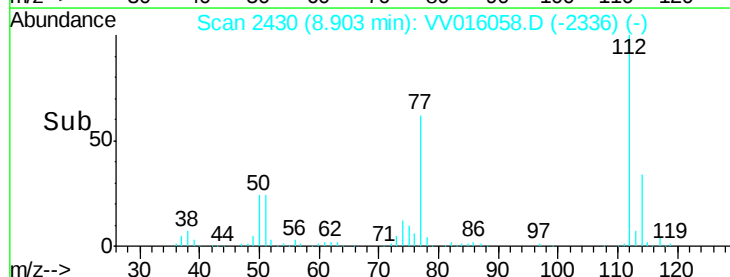
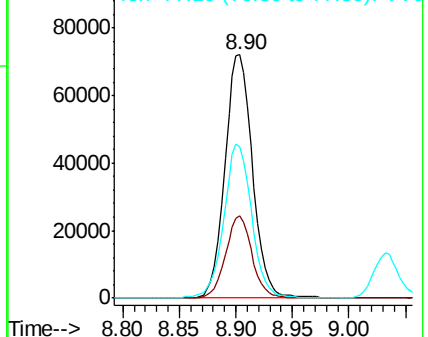
112 100

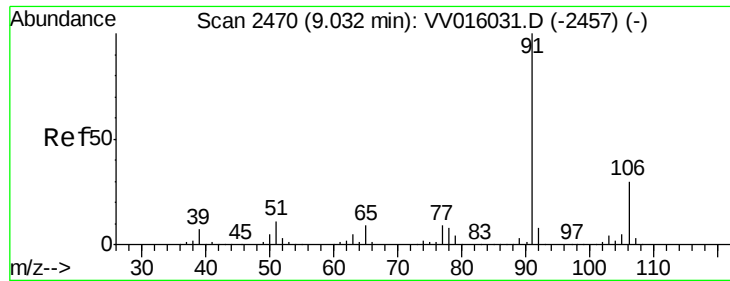
114 33.6 21.6 40.0

77 62.1 48.6 73.0



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#54

Ethylbenzene

Concen: 4.553 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016058.D

Acq: 14 May 2020 09:36

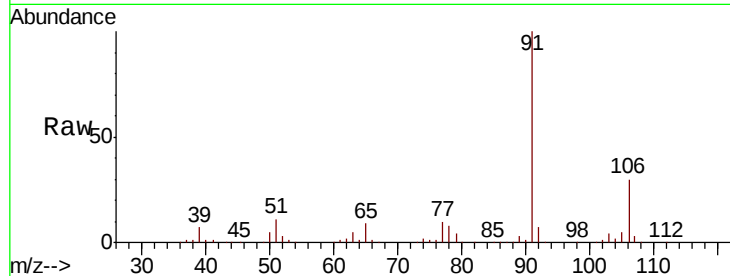
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 217183

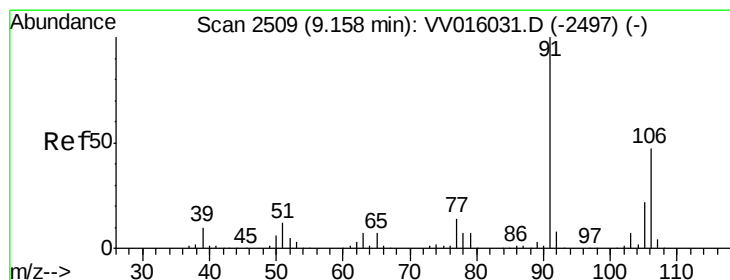
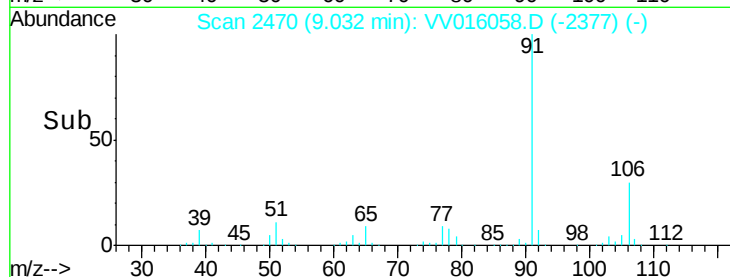
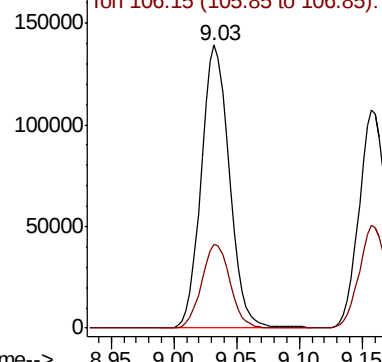
Ion Ratio Lower Upper

91 100

106 29.6 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VV016058.D (-2377) (-)



#55

m,p-xylene

Concen: 4.655 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016058.D

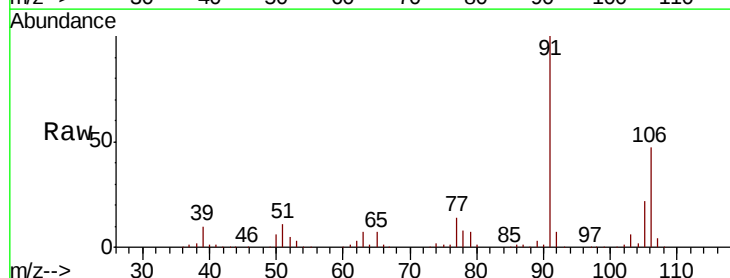
Acq: 14 May 2020 09:36

Tgt Ion: 106 Resp: 82215

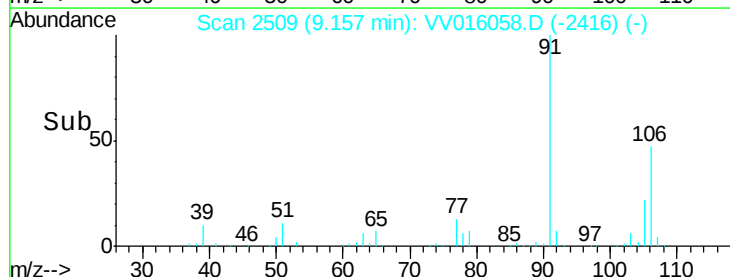
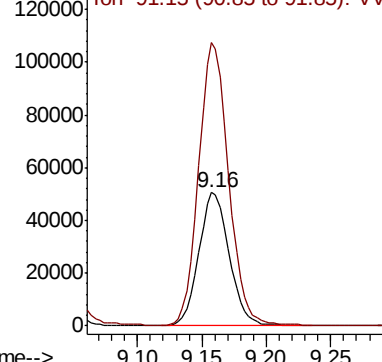
Ion Ratio Lower Upper

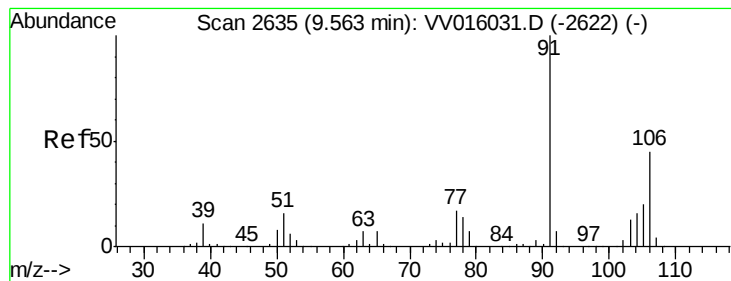
106 100

91 212.5 149.9 278.3



Abundance Ion 106.15 (105.85 to 106.85): VV016058.D (-2416) (-)





#56

o-xylene

Concen: 4.635 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV016058.D

Acq: 14 May 2020 09:36

Instrument :

MSVOA_V

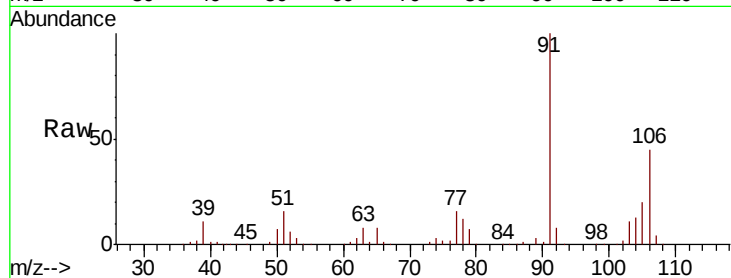
ClientSampleId :

Tot Ion:106 Resp: 78269

Ion Ratio Lower Upper

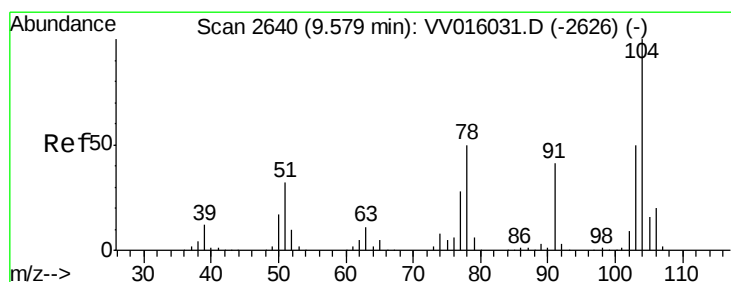
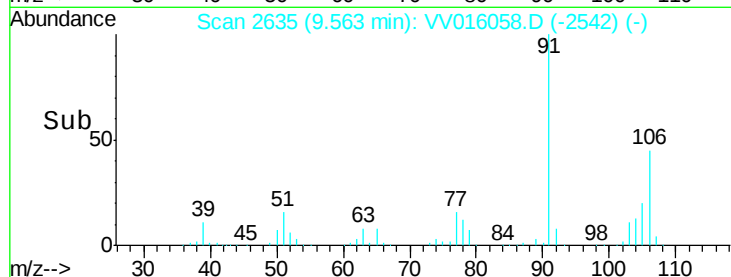
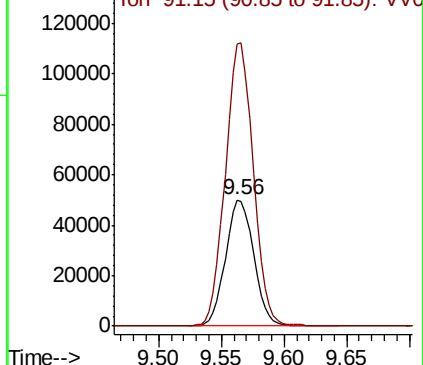
106 100

91 224.1 159.7 296.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#57

Styrene

Concen: 4.678 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV016058.D

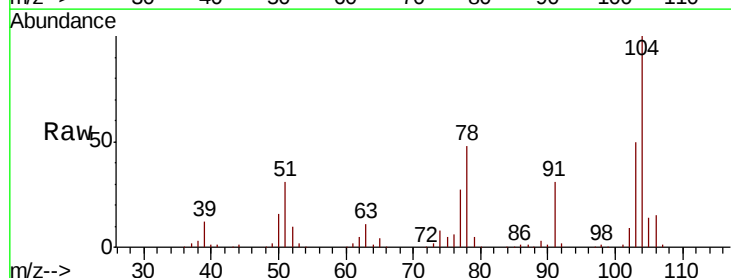
Acq: 14 May 2020 09:36

Tgt Ion:104 Resp: 132133

Ion Ratio Lower Upper

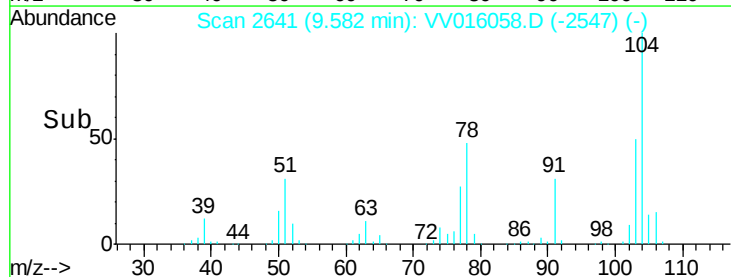
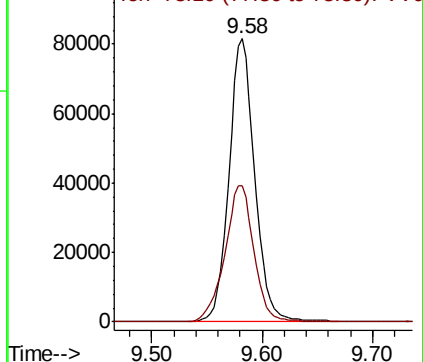
104 100

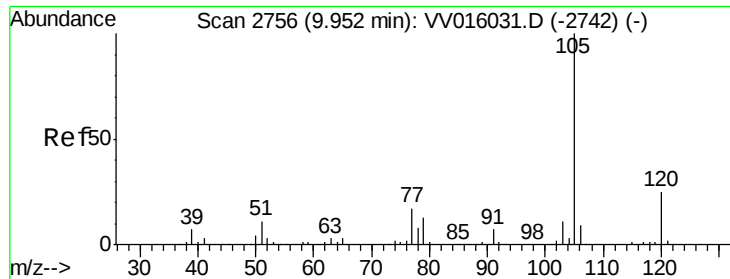
78 48.2 33.9 63.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#58

Isopropylbenzene

Concen: 4.591 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV016058.D

Acq: 14 May 2020 09:36

Instrument :
MSVOA_V
ClientSampleId :

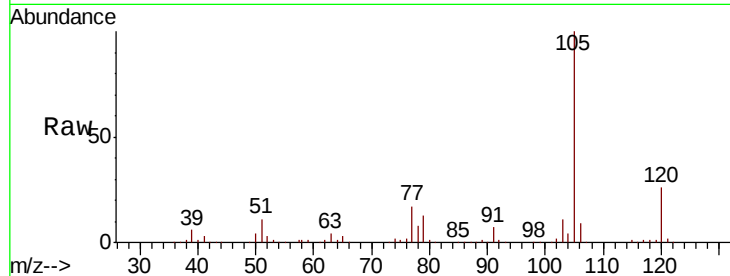
Tot Ion:105 Resp: 212968

Ion Ratio Lower Upper

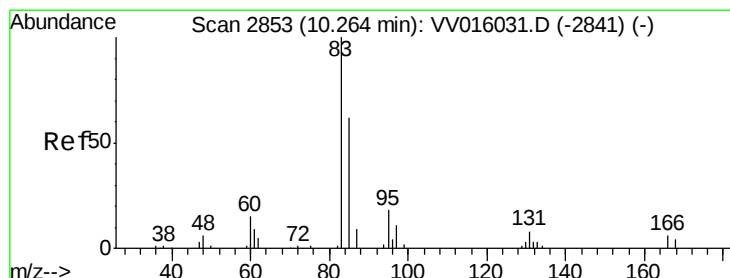
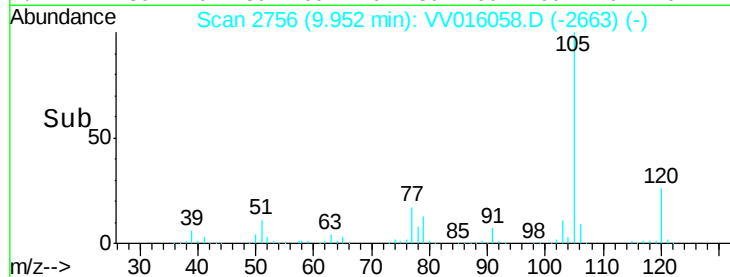
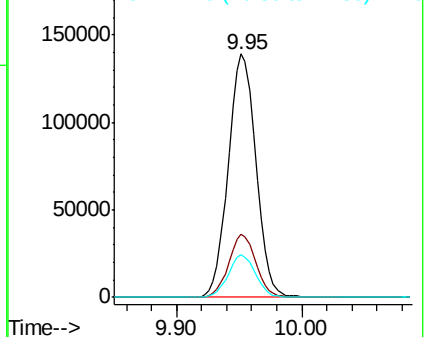
105 100

120 25.4 20.8 31.2

77 17.3 14.1 21.1



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 5.050 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV016058.D

Acq: 14 May 2020 09:36

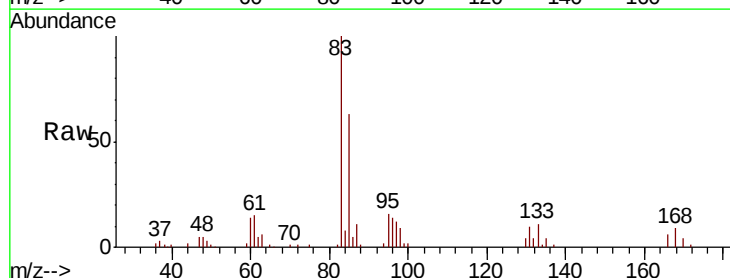
Tgt Ion: 83 Resp: 36235

Ion Ratio Lower Upper

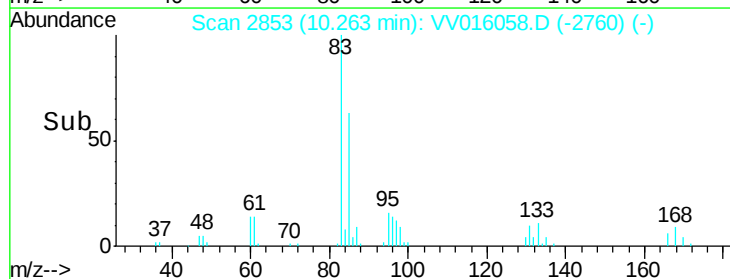
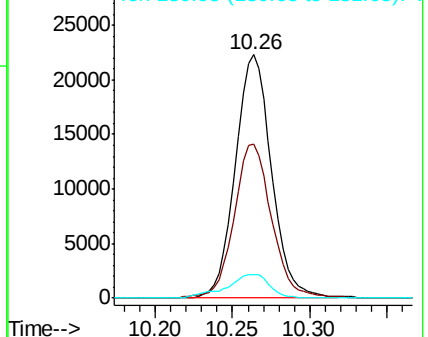
83 100

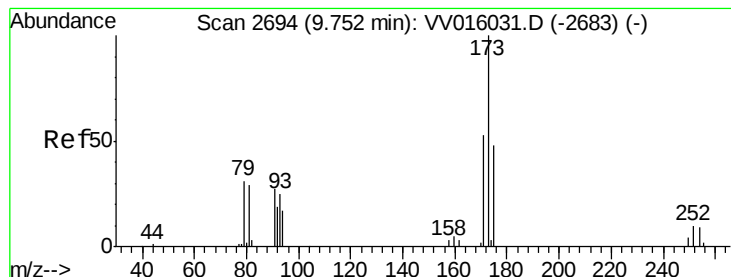
85 63.1 44.0 81.6

131 9.7 7.7 11.5



Abundance Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 4.401 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV016058.D

Acq: 14 May 2020 09:36

Instrument :
MSVOA_V
ClientSampleId :

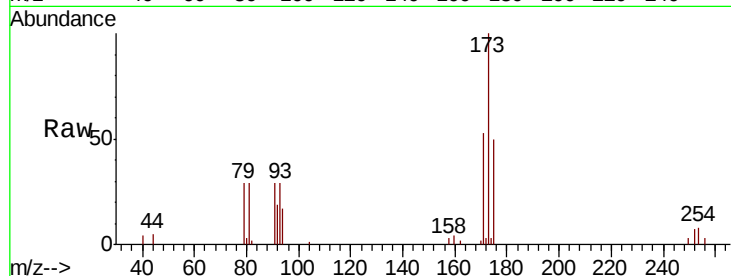
Tot Ion:173 Resp: 16148

Ion Ratio Lower Upper

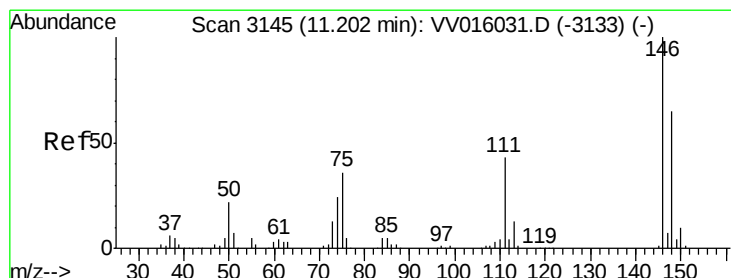
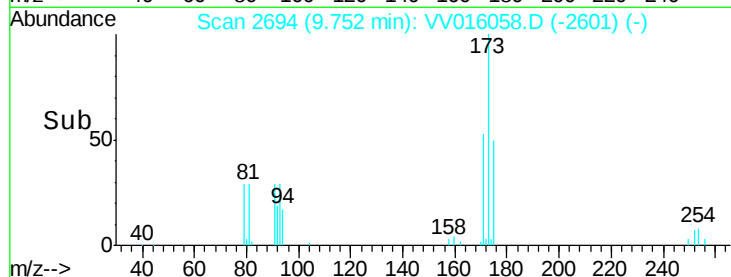
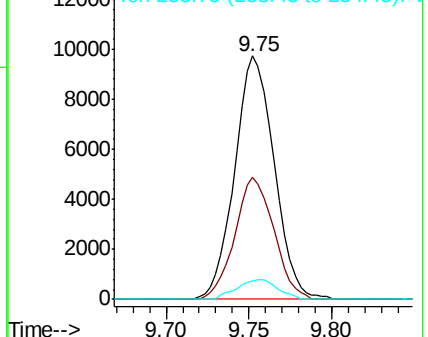
173 100

175 49.1 39.8 59.8

254 8.3 7.1 10.7



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 4.547 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV016058.D

Acq: 14 May 2020 09:36

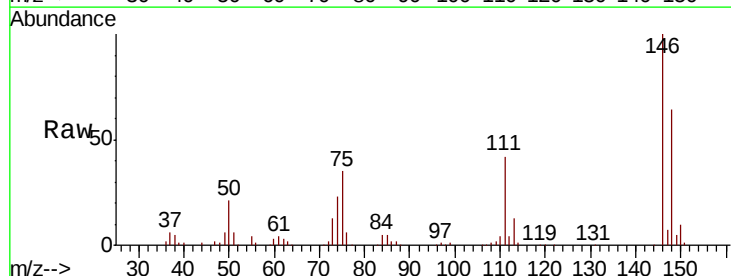
Tgt Ion:146 Resp: 97836

Ion Ratio Lower Upper

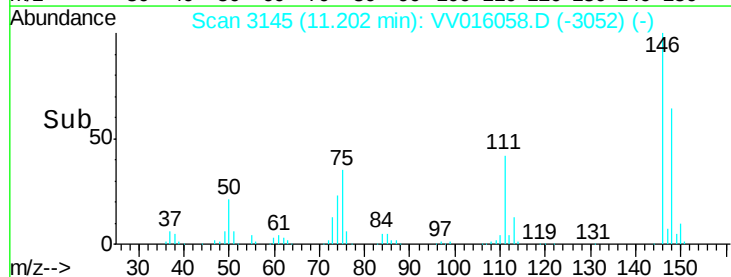
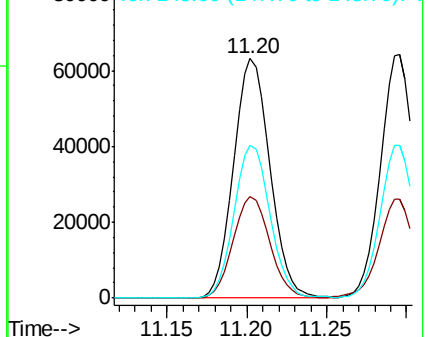
146 100

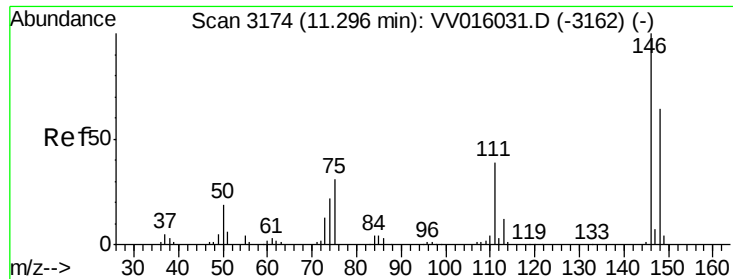
111 42.4 28.7 53.3

148 63.5 44.0 81.8



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 4.475 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV016058.D

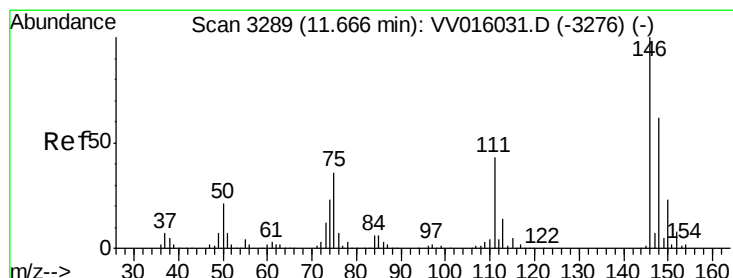
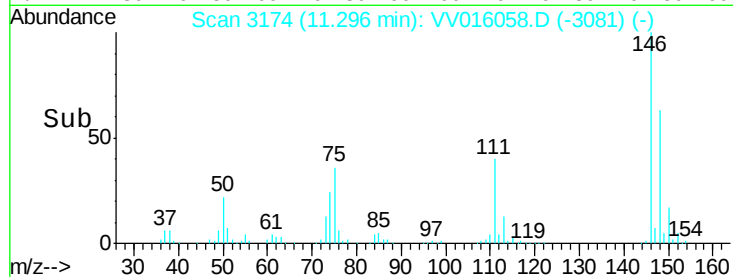
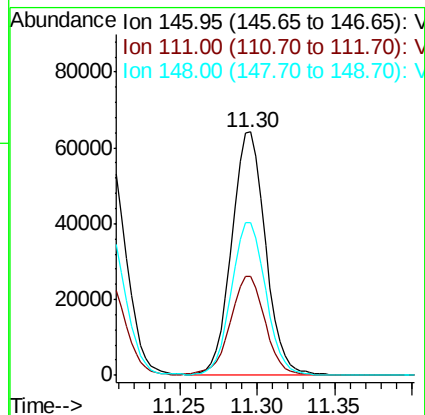
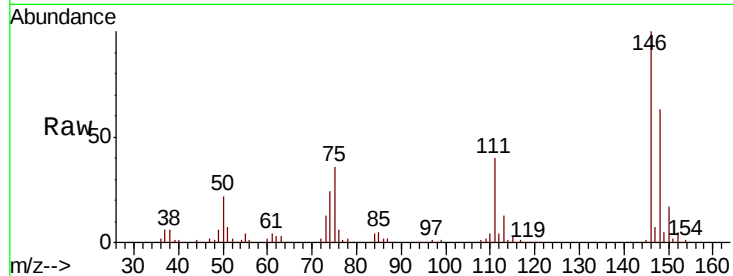
Acq: 14 May 2020 09:36

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:146	Resp:	96733
Ion Ratio	Lower	Upper
146	100	
111	40.5	28.9 53.7
148	62.9	44.6 82.8



#66

1,2-Dichlorobenzene

Concen: 4.553 ug/L

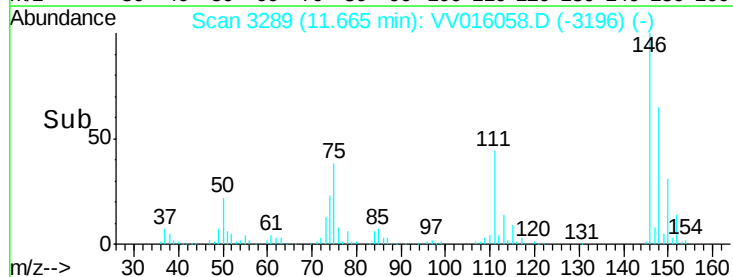
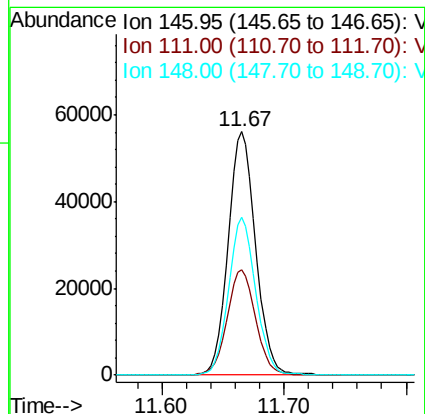
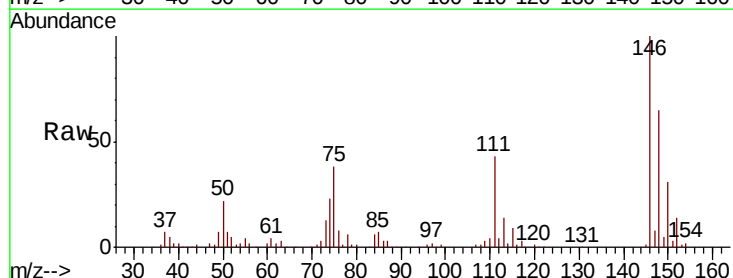
RT: 11.67 min Scan# 3289

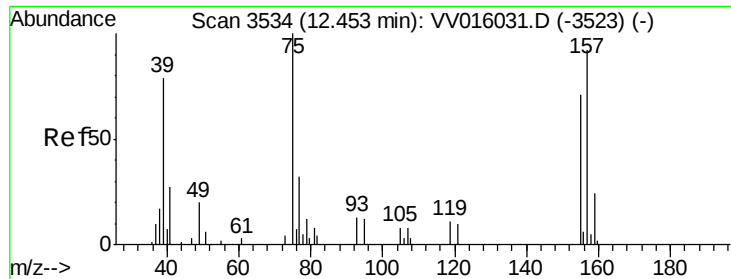
Delta R.T. -0.00 min

Lab File: VV016058.D

Acq: 14 May 2020 09:36

Tgt Ion:146	Resp:	88658
Ion Ratio	Lower	Upper
146	100	
111	43.5	37.0 55.4
148	64.7	49.8 74.6

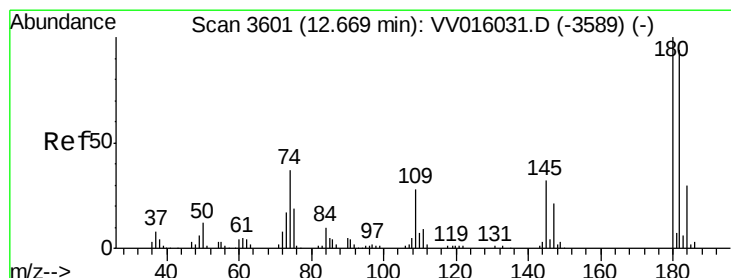
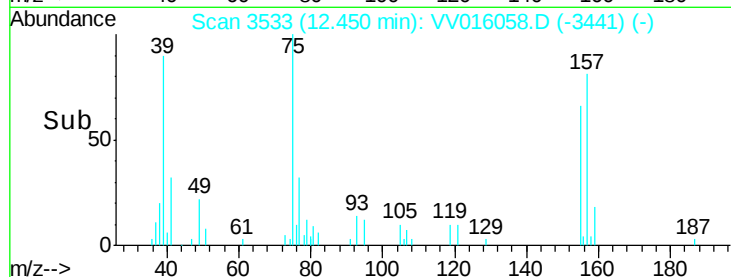
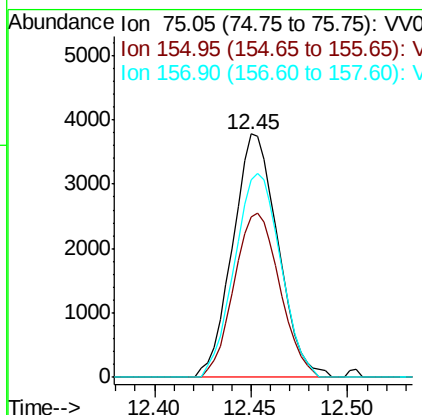
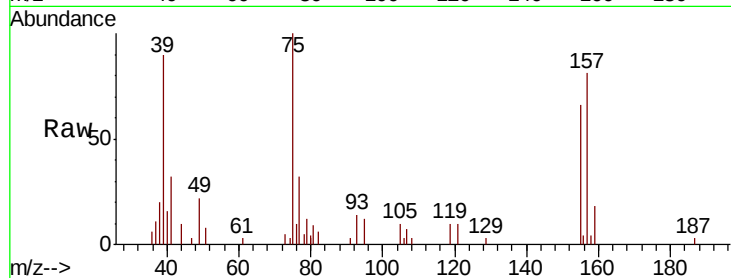




#67
 1,2-Dibromo-3-chloropropane
 Concen: 4.836 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV016058.D
 Acq: 14 May 2020 09:36

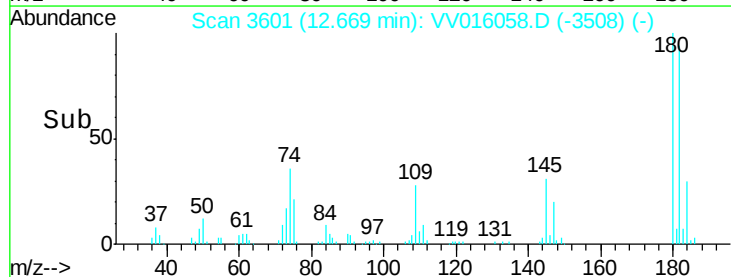
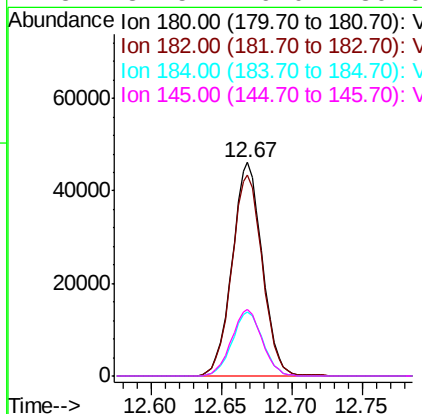
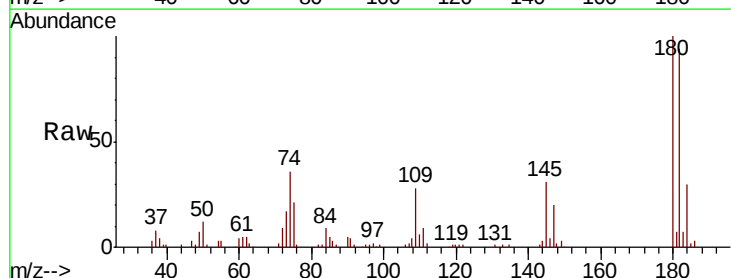
Instrument :
 MSVOA_V
 ClientSampleId :

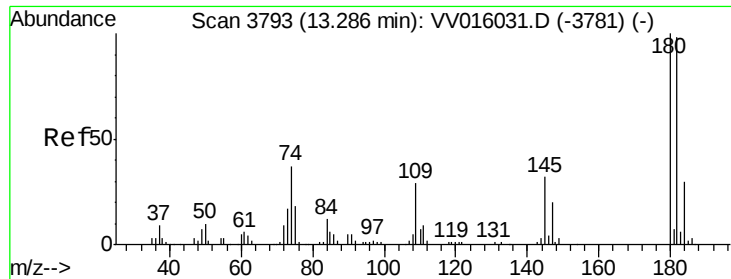
Tot Ion: 75 Resp: 6146
 Ion Ratio Lower Upper
 75 100
 155 66.0 58.2 87.4
 157 81.3 79.4 119.2



#68
 1,3,5-Trichlorobenzene
 Concen: 4.382 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV016058.D
 Acq: 14 May 2020 09:36

Tgt Ion: 180 Resp: 68934
 Ion Ratio Lower Upper
 180 100
 182 95.4 75.8 113.6
 184 30.3 24.6 36.8
 145 31.5 26.0 39.0

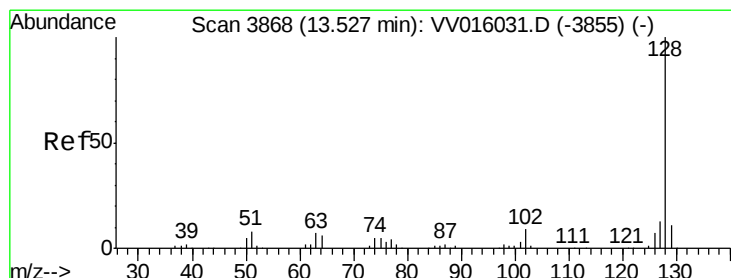
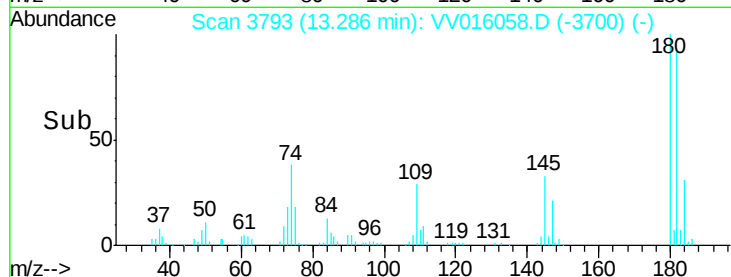
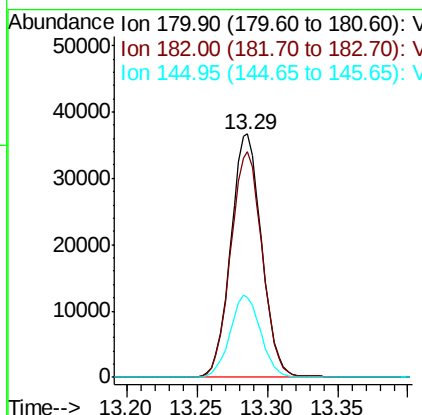
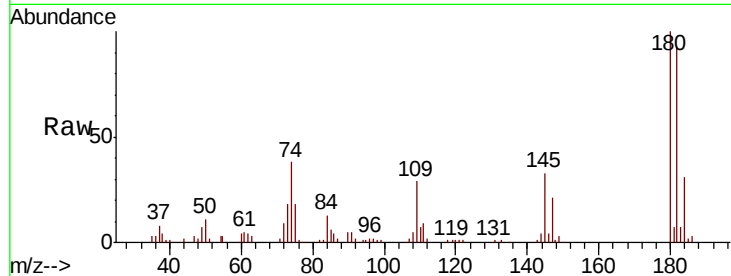




#69
 1,2,4-trichlorobenzene
 Concen: 4.175 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV016058.D
 Acq: 14 May 2020 09:36

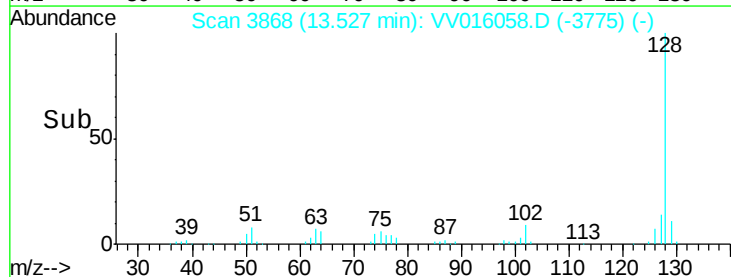
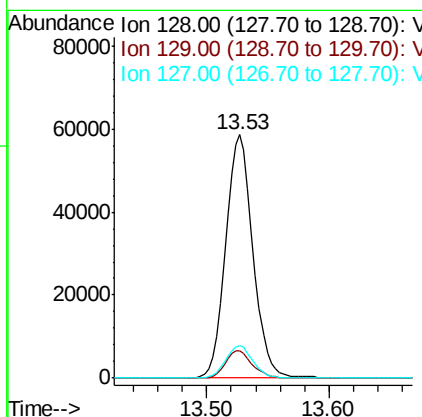
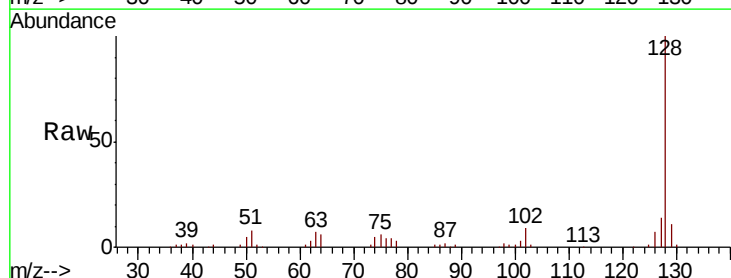
Instrument :
 MSVOA_V
 ClientSampleId :

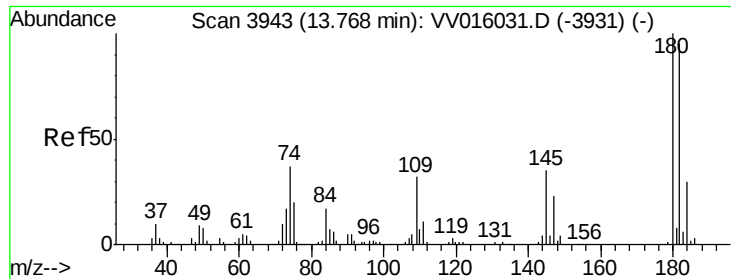
Tot Ion:180 Resp: 56426
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.7 115.1
 145 33.2 26.4 39.6



#70
 Naphthalene
 Concen: 4.268 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. -0.00 min
 Lab File: VV016058.D
 Acq: 14 May 2020 09:36

Tgt Ion:128 Resp: 91757
 Ion Ratio Lower Upper
 128 100
 129 11.1 8.5 12.7
 127 13.5 10.2 15.2





#71

1,2,3-Trichlorobenzene

Concen: 4.409 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

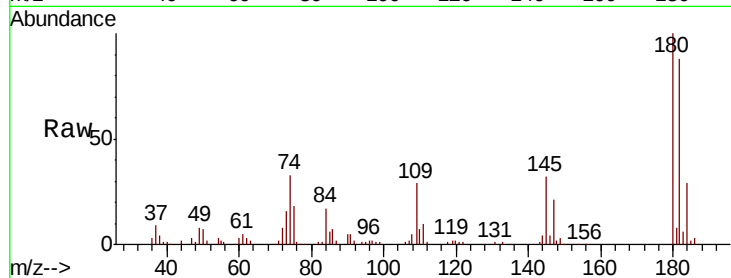
Lab File: VV016058.D

Acq: 14 May 2020 09:36

Instrument :

MSVOA_V

ClientSampleId :



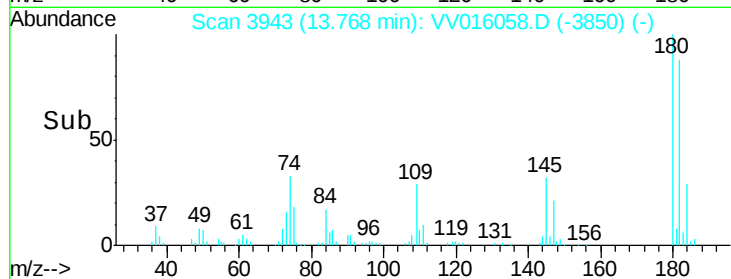
Tot Ion:180 Resp: 52575

Ion Ratio Lower Upper

180 100

182 91.3 77.0 115.6

145 33.0 28.3 42.5



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

