

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051320\
 Data File : VV016031.D
 Acq On : 13 May 2020 10:57
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 14 02:22:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 13 11:26:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	145560	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	142479	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	70918	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	49394	6.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	125.00%
7) Chloroethane-d5	1.58	69	45065	6.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	120.40%
11) 1,1-Dichloroethene-d2	2.12	63	94804	5.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	111.60%
20) 2-Butanone-d5	3.94	46	124094	55.09	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.18%
24) Chloroform-d	4.37	84	101323	5.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	117.40%
26) 1,2-Dichloroethane-d4	5.05	65	52500	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
32) Benzene-d6	5.07	84	189557	5.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.80%
36) 1,2-Dichloropropane-d6	6.09	67	56958	5.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.20%
41) Toluene-d8	7.33	98	179922	5.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.20%
45) trans-1,3-Dichloropropene-	7.64	79	21690	5.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.80%
48) 2-Hexanone-d5	8.11	63	95228	53.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.74%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	41331	5.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	61124	5.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	57317	5.139 ug/L	98
3) Chloromethane	1.25	50	59360	5.257 ug/L	100
5) Vinyl chloride	1.32	62	56843	5.264 ug/L	99
6) Bromomethane	1.53	94	34778	5.675 ug/L	96
8) Chloroethane	1.60	64	34663	4.505 ug/L	100
9) Trichlorofluoromethane	1.76	101	78827	5.322 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	44826	5.358 ug/L	99
12) 1,1-Dichloroethene	2.13	96	41950	5.237 ug/L	95
13) Acetone	2.22	43	76934	51.775 ug/L	73
14) Carbon disulfide	2.31	76	136771	5.172 ug/L	100
15) Methyl Acetate	2.46	43	17939	5.224 ug/L	97
16) Methylene chloride	2.52	84	49946	5.211 ug/L	97
17) Methyl tert-butyl Ether	2.78	73	103499	4.972 ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	47438	5.359 ug/L	99
19) 1,1-Dichloroethane	3.21	63	90309	5.297 ug/L	98
21) 2-Butanone	4.02	43	115514	51.046 ug/L	97
22) cis-1,2-Dichloroethene	3.94	96	49025	5.290 ug/L	100

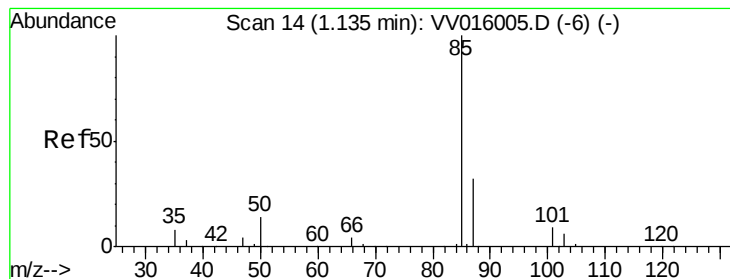
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051320\
 Data File : VV016031.D
 Acq On : 13 May 2020 10:57
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 14 02:22:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 13 11:26:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	20281	5.127	ug/L	97
25) Chloroform	4.40	83	92701	4.937	ug/L	100
27) 1,2-Dichloroethane	5.15	62	58881	5.103	ug/L	100
29) 1,1,1-Trichloroethane	4.63	97	82070	5.223	ug/L	99
30) Cyclohexane	4.70	56	80778	5.130	ug/L	99
31) Carbon tetrachloride	4.85	117	71262	5.255	ug/L	98
33) Benzene	5.12	78	195622	5.457	ug/L	100
34) Trichloroethene	5.94	95	50237	4.910	ug/L	95
35) Methylcyclohexane	6.15	83	81964	5.296	ug/L	99
37) 1,2-Dichloropropane	6.20	63	48415	5.316	ug/L	99
38) Bromodichloromethane	6.53	83	60275	5.212	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	67271	5.226	ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	291191	51.298	ug/L	99
42) Toluene	7.41	91	208915	5.498	ug/L	97
43) 1,3,5-Trimethylbenzene	10.56	105	190090	5.450	ug/L #	100
44) 1,2,4-Trimethylbenzene	10.94	105	188651	5.412	ug/L #	100
46) trans-1,3-Dichloropropene	7.67	75	57437	5.282	ug/L	97
47) 1,1,2-Trichloroethane	7.86	97	31797	5.228	ug/L	98
49) Tetrachloroethene	7.99	164	39554	5.540	ug/L	97
50) 2-Hexanone	8.16	43	214562	53.450	ug/L	98
51) Dibromochloromethane	8.27	129	36105	5.283	ug/L	94
52) 1,2-Dibromoethane	8.37	107	29185	5.174	ug/L	98
53) Chlorobenzene	8.90	112	131776	5.393	ug/L	97
54) Ethylbenzene	9.03	91	234937	5.438	ug/L	98
55) m,p-xylene	9.16	106	88746	5.547	ug/L	98
56) o-xylene	9.56	106	84242	5.508	ug/L	98
57) Styrene	9.58	104	141711	5.539	ug/L	97
58) Isopropylbenzene	9.95	105	230165	5.477	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	37894	5.831	ug/L	100
62) Bromoform	9.75	173	17118	5.254	ug/L	96
63) 1,3-Dichlorobenzene	11.20	146	103244	5.404	ug/L	97
64) 1,4-Dichlorobenzene	11.30	146	105301	5.486	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	94061	5.439	ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.45	75	6554	5.807	ug/L	95
68) 1,3,5-Trichlorobenzene	12.67	180	74360	5.323	ug/L	98
69) 1,2,4-trichlorobenzene	13.29	180	60626	5.051	ug/L	98
70) Naphthalene	13.53	128	100178	5.247	ug/L	98
71) 1,2,3-Trichlorobenzene	13.77	180	54015	5.101	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.139 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV016031.D

Acq: 13 May 2020 10:57

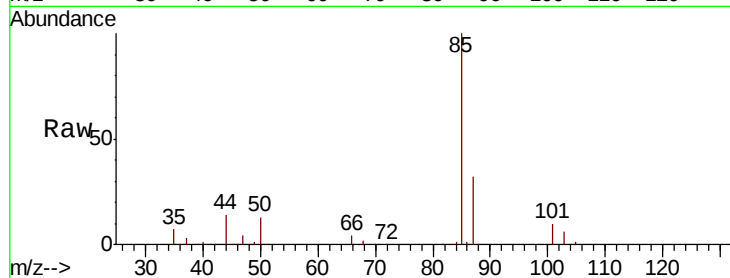
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 57317

Ion Ratio Lower Upper

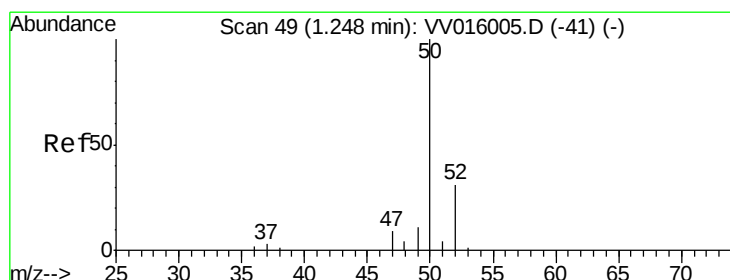
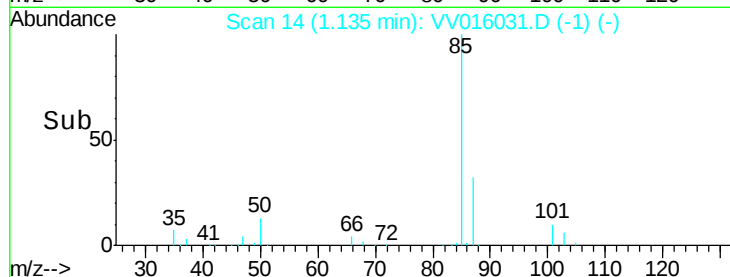
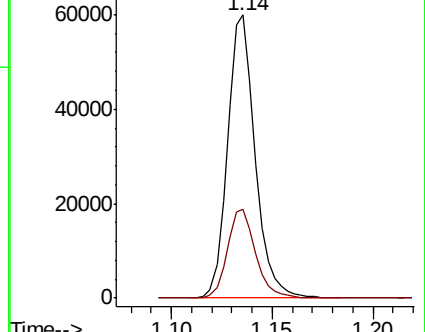
85 100

87 32.0 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV016031.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV016031.D (-1) (-)



#3

Chloromethane

Concen: 5.257 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016031.D

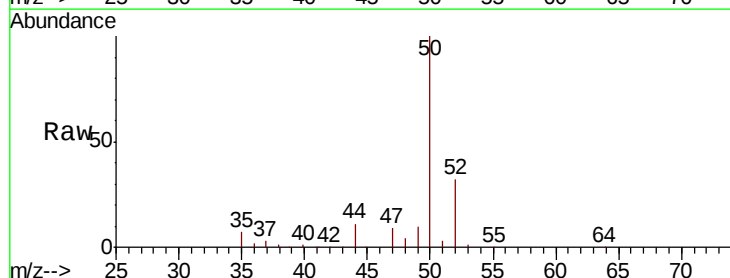
Acq: 13 May 2020 10:57

Tgt Ion: 50 Resp: 59360

Ion Ratio Lower Upper

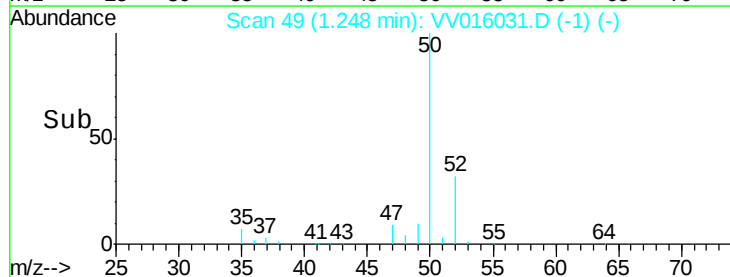
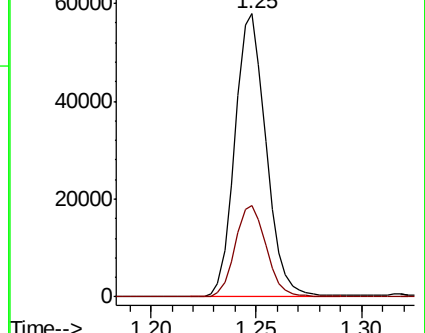
50 100

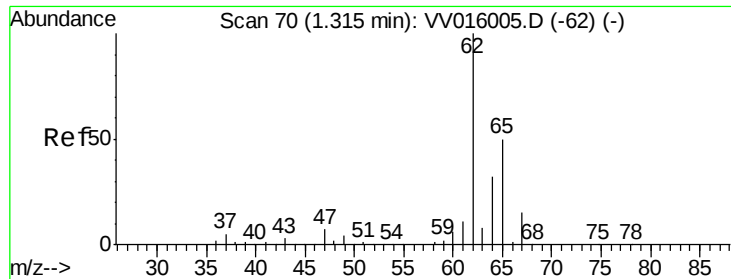
52 32.4 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV016031.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV016031.D (-1) (-)





#5

Vinyl chloride

Concen: 5.264 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV016031.D

Acq: 13 May 2020 10:57

Instrument :

MSVOA_V

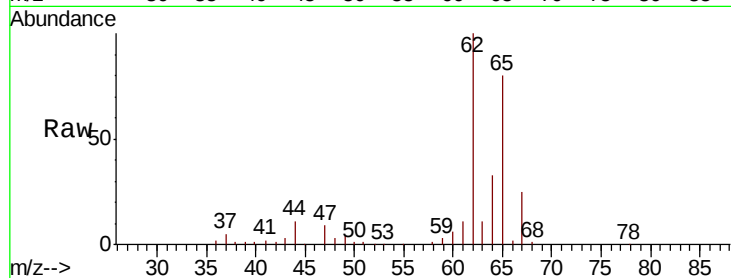
ClientSampled :

Tot Ion: 62 Resp: 56843

Ion Ratio Lower Upper

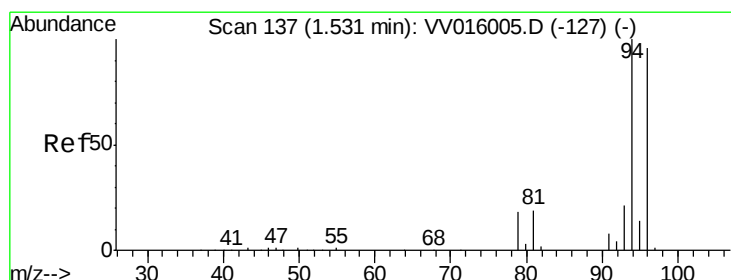
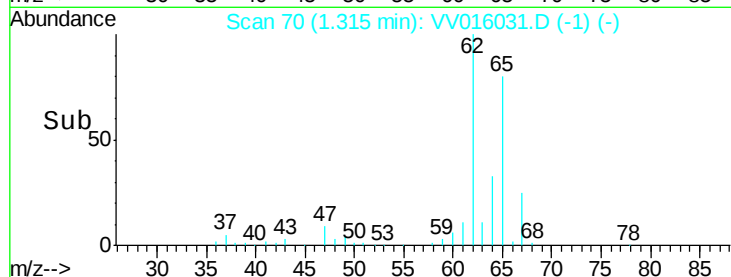
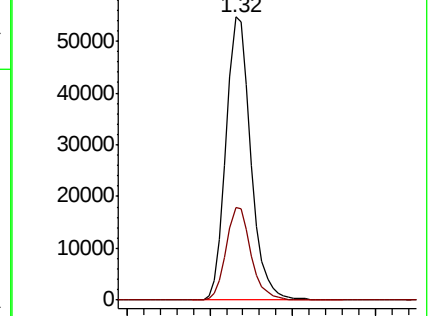
62 100

64 32.8 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: 5.675 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV016031.D

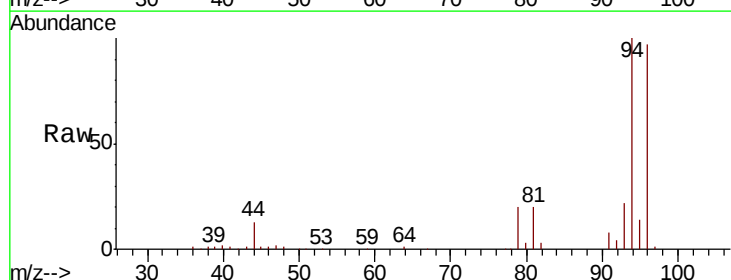
Acq: 13 May 2020 10:57

Tgt Ion: 94 Resp: 34778

Ion Ratio Lower Upper

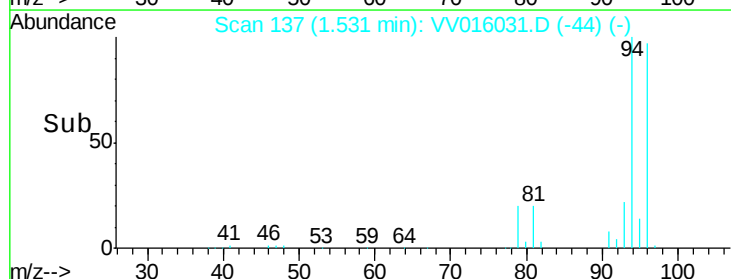
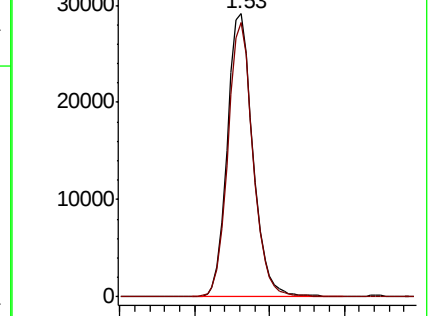
94 100

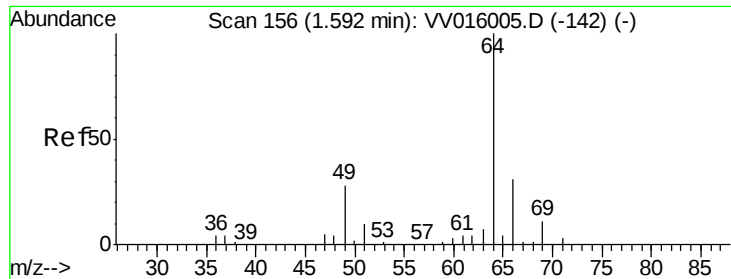
96 97.0 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

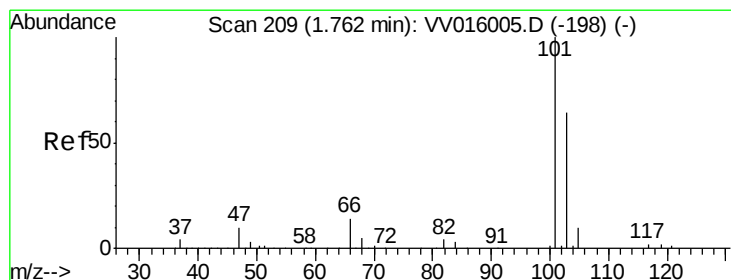
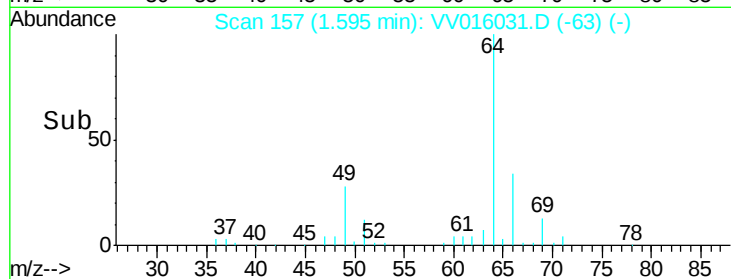
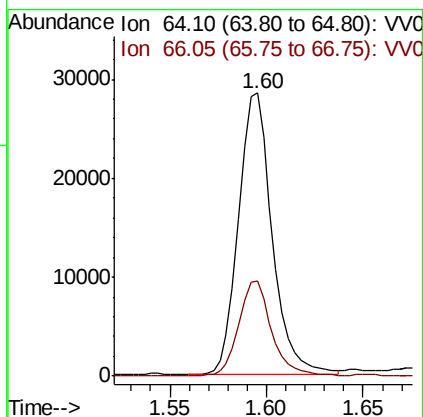
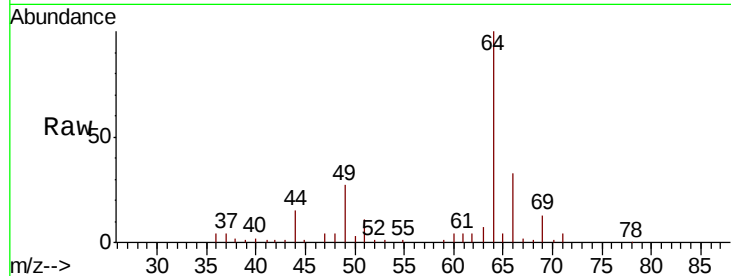




#8
Chloroethane
Concen: 4.505 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV016031.D
Acq: 13 May 2020 10:57

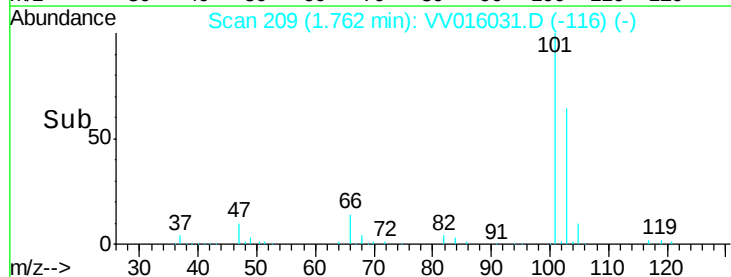
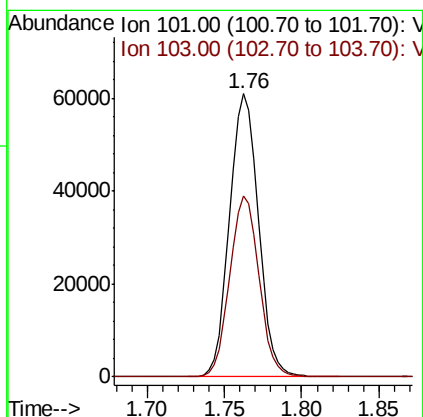
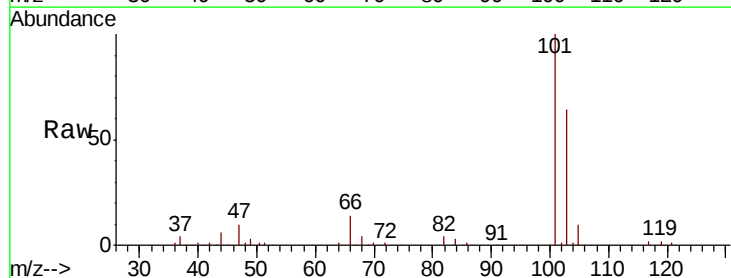
Instrument :
MSVOA_V
ClientSampleId :

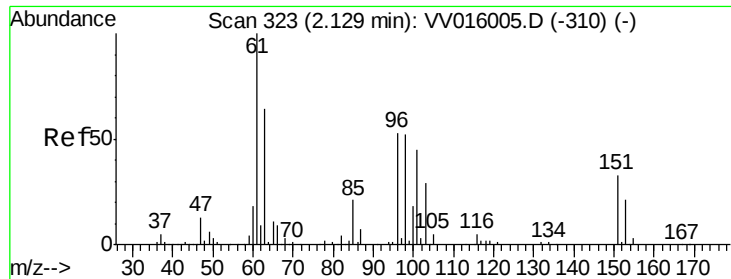
Tot Ion: 64 Resp: 34663
Ion Ratio Lower Upper
64 100
66 33.5 23.6 43.8



#9
Trichlorofluoromethane
Concen: 5.322 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV016031.D
Acq: 13 May 2020 10:57

Tgt Ion:101 Resp: 78827
Ion Ratio Lower Upper
101 100
103 64.8 51.4 77.2





#10

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

Concen: 5.358 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV016031.D

Acq: 13 May 2020 10:57

Instrument :

MSVOA_V

ClientSampleId :

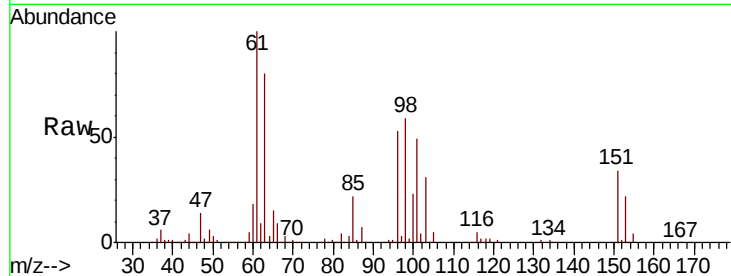
Tot Ion:101 Resp: 44826

Ion Ratio Lower Upper

101 100

85 45.0 35.7 53.5

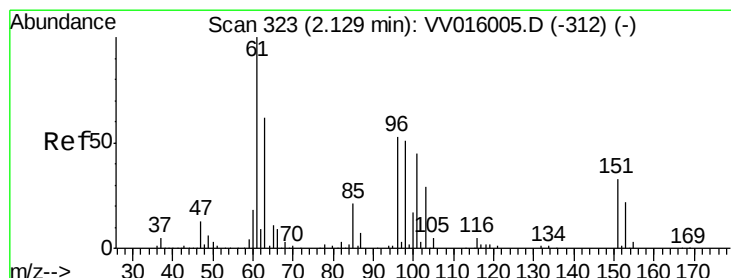
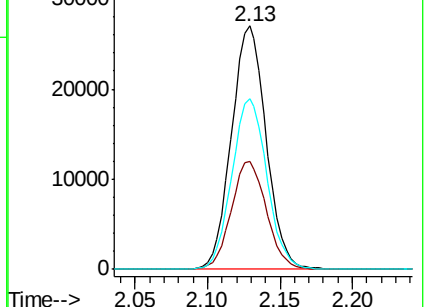
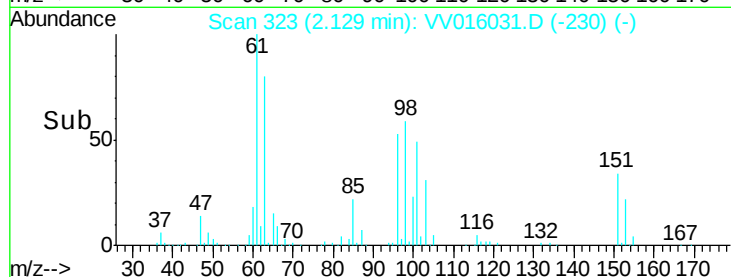
151 71.1 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): VV016031.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV016031.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV016031.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 5.237 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV016031.D

Acq: 13 May 2020 10:57

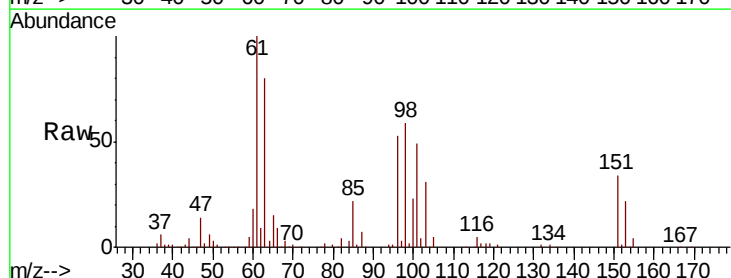
Tgt Ion: 96 Resp: 41950

Ion Ratio Lower Upper

96 100

61 188.0 139.9 259.7

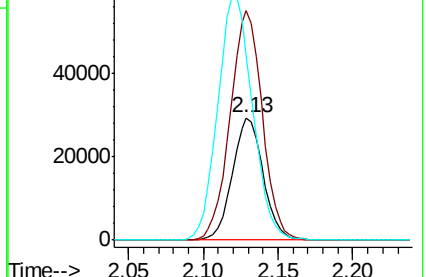
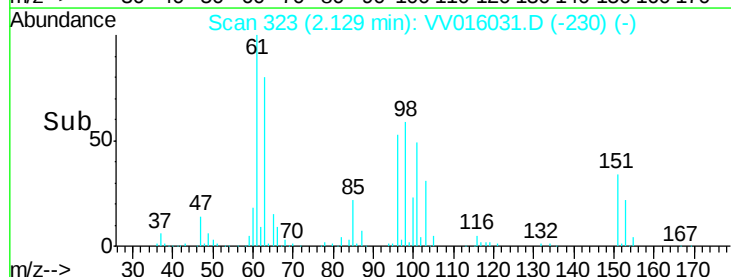
63 151.0 106.4 197.6

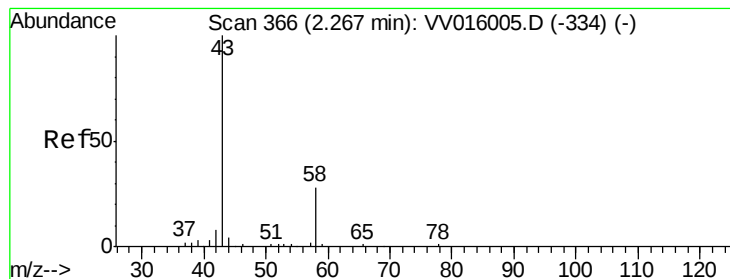


Abundance Ion 96.00 (95.70 to 96.70): VV016031.D (-230) (-)

Ion 61.05 (60.75 to 61.75): VV016031.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV016031.D (-230) (-)





#13

Acetone

Concen: 51.775 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.04 min

Lab File: VV016031.D

Acq: 13 May 2020 10:57

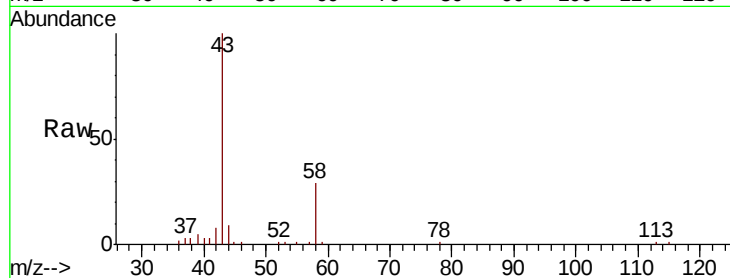
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 76934

Ion Ratio Lower Upper

43 100

58 26.7 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV016031.D (-273) (-)

Ion 58.05 (57.75 to 58.75): VV016031.D (-273) (-)

2.22

15000

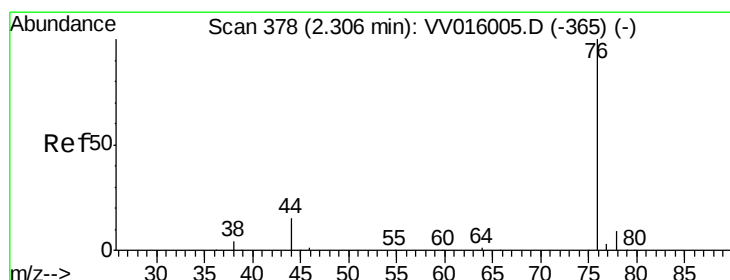
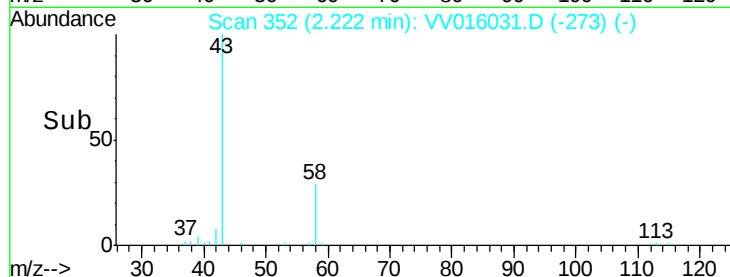
10000

5000

0

Time-->

2.10 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 5.172 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV016031.D

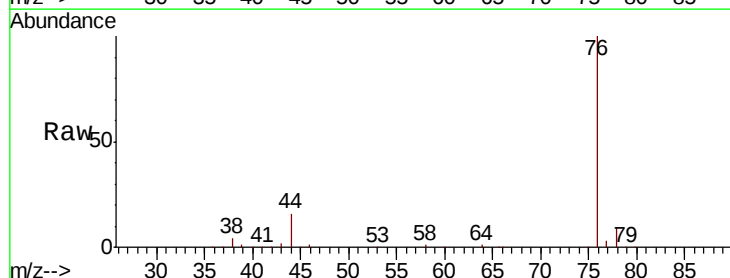
Acq: 13 May 2020 10:57

Tgt Ion: 76 Resp: 136771

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV016031.D (-285) (-)

Ion 78.00 (77.70 to 78.70): VV016031.D (-285) (-)

2.31

100000

80000

60000

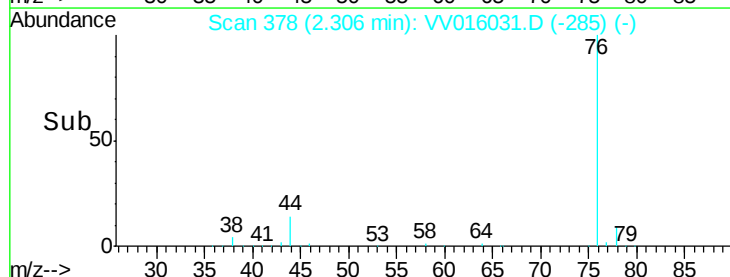
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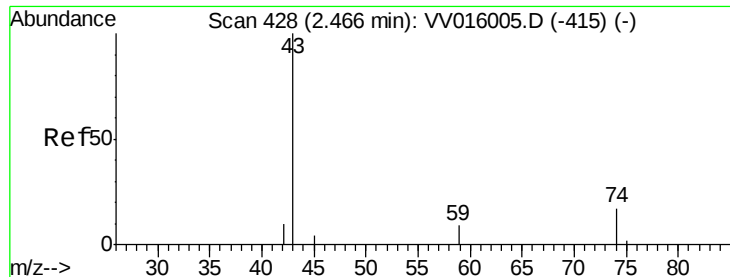
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Time-->

2.25 2.30 2.35 2.40

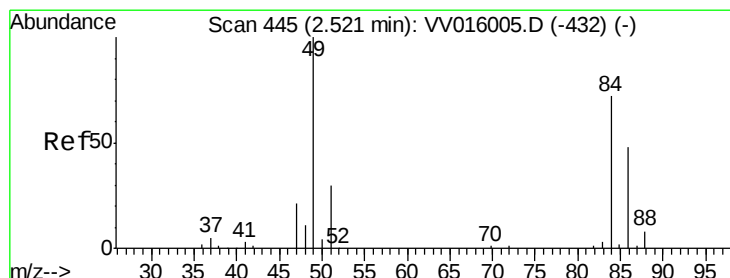
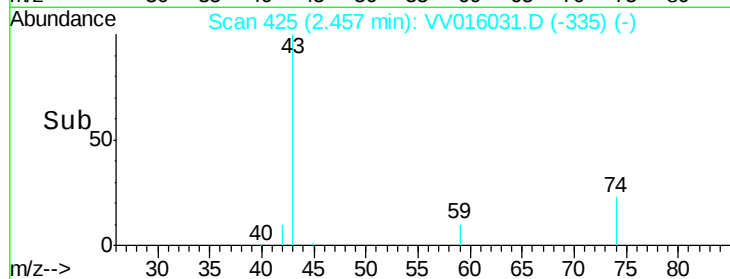
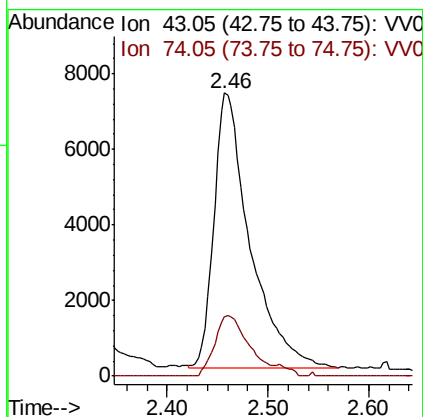
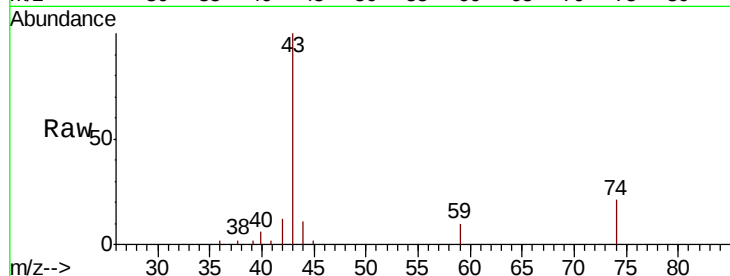




#15
Methvl Acetate
Concen: 5.224 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.01 min
Lab File: VV016031.D
Acq: 13 May 2020 10:57

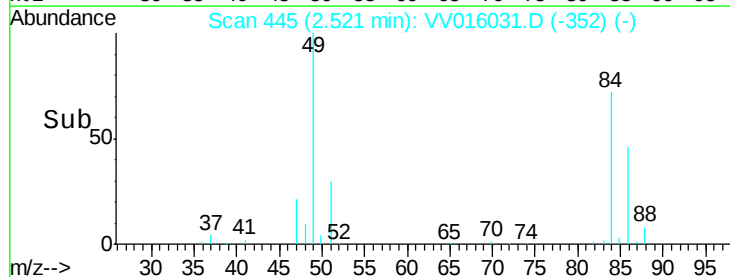
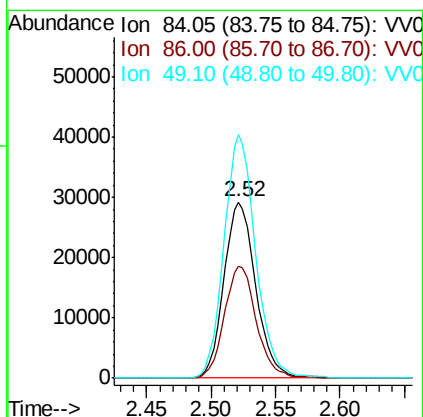
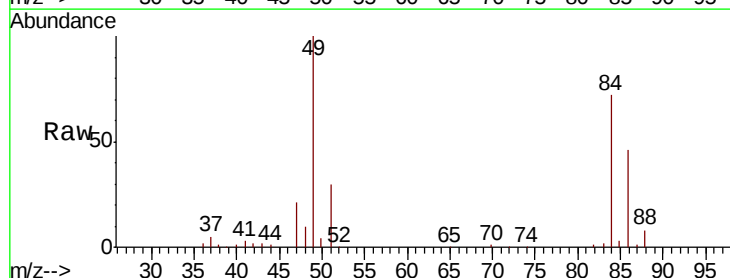
Instrument :
MSVOA_V
ClientSampleId :

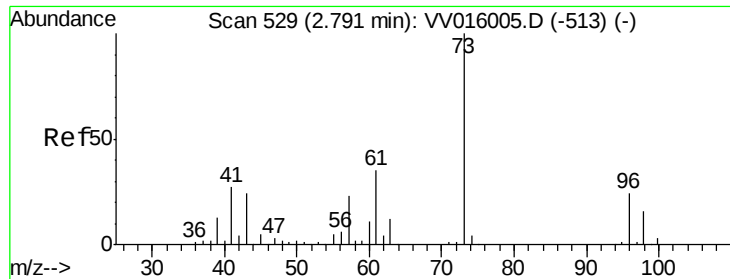
Tot Ion: 43 Resp: 17939
Ion Ratio Lower Upper
43 100
74 22.6 19.2 28.8



#16
Methylene chloride
Concen: 5.211 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV016031.D
Acq: 13 May 2020 10:57

Tgt Ion: 84 Resp: 49946
Ion Ratio Lower Upper
84 100
86 63.9 45.6 84.8
49 138.4 93.6 173.8

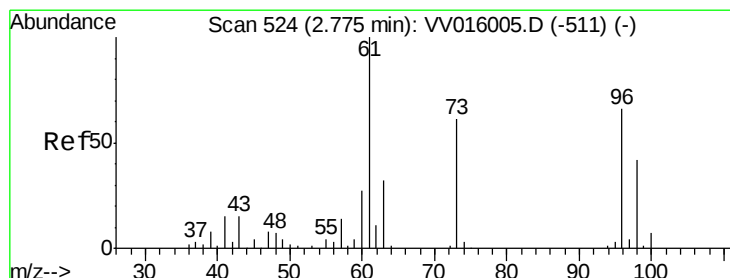
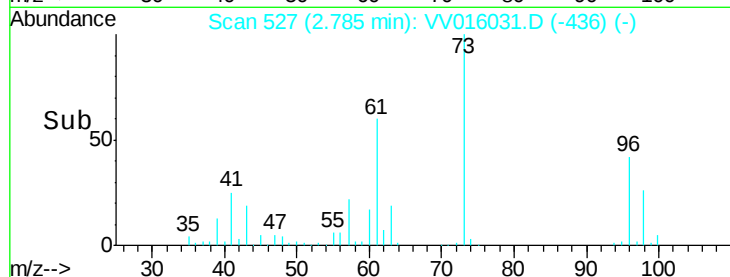
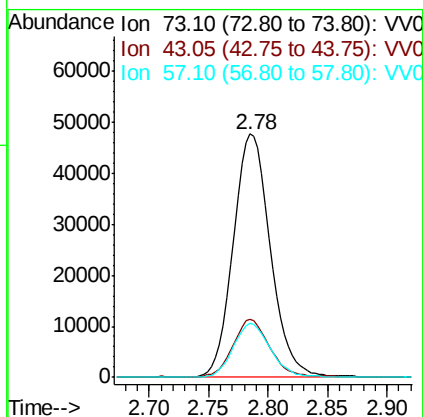
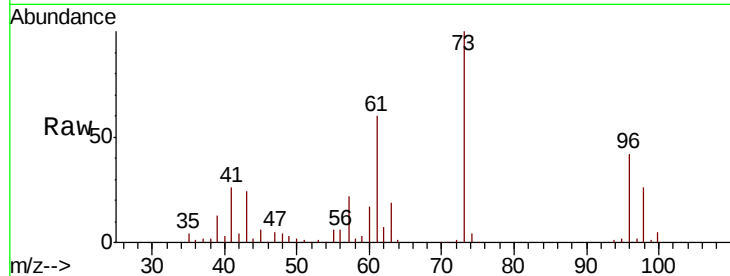




#17
Methvl tert-butvl Ether
Concen: 4.972 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.01 min
Lab File: VV016031.D
Acq: 13 May 2020 10:57

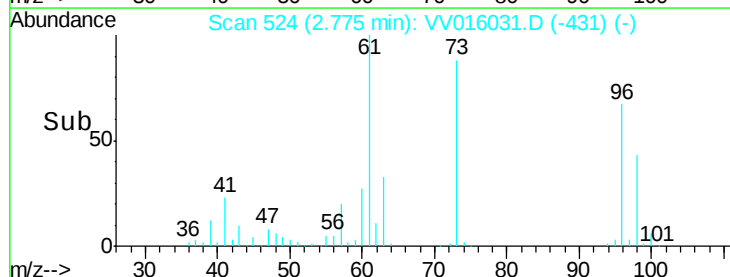
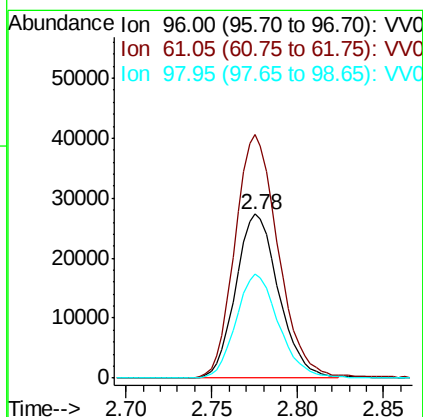
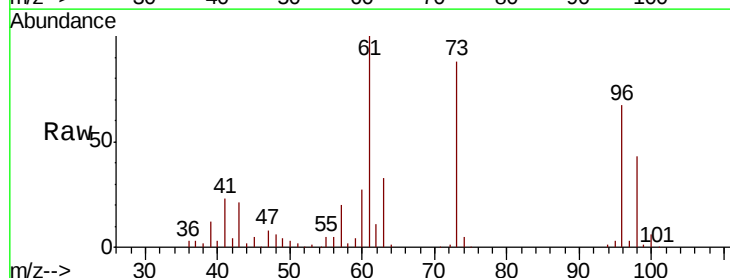
Instrument :
MSVOA_V
ClientSampleId :

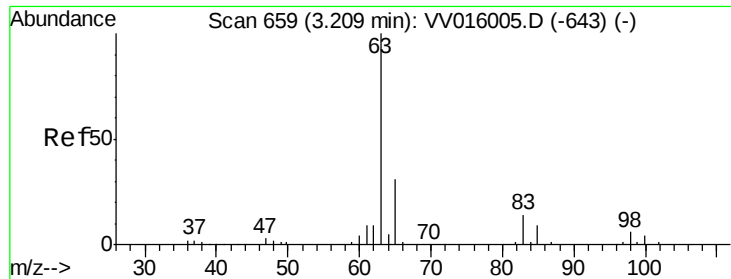
Tot Ion: 73 Resp: 103499
Ion Ratio Lower Upper
73 100
43 23.5 18.8 28.2
57 22.2 17.8 26.6



#18
trans-1,2-Dichloroethene
Concen: 5.359 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV016031.D
Acq: 13 May 2020 10:57

Tgt Ion: 96 Resp: 47438
Ion Ratio Lower Upper
96 100
61 148.3 105.3 195.5
98 63.3 44.0 81.6

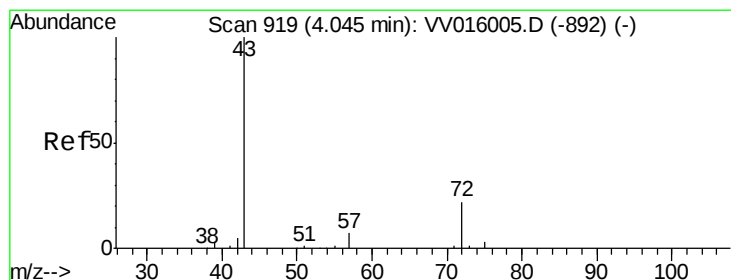
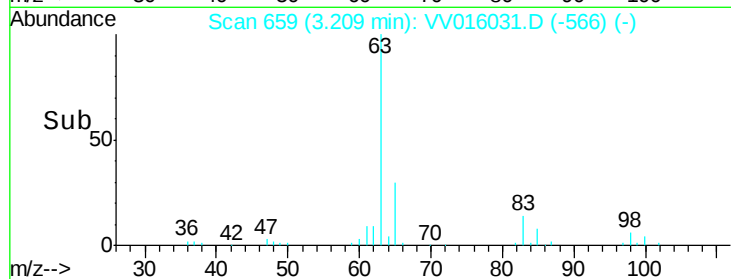
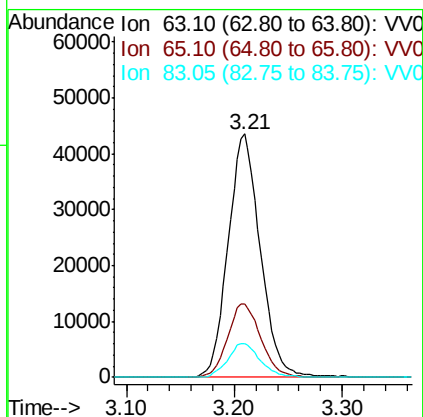
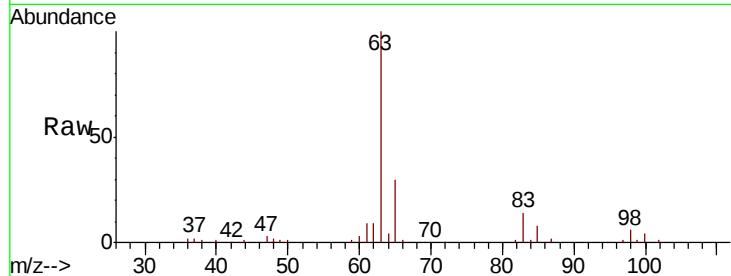




#19
 1,1-Dichloroethane
 Concen: 5.297 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV016031.D
 Acq: 13 May 2020 10:57

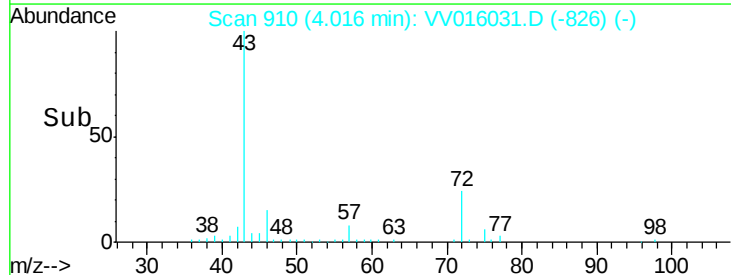
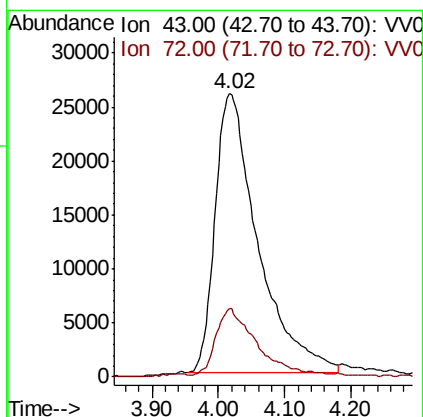
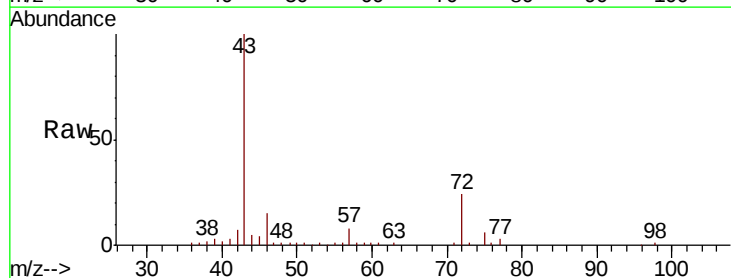
Instrument :
 MSVOA_V
 ClientSampled :

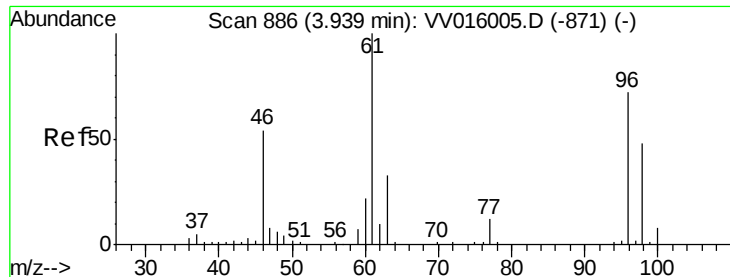
Tot Ion: 63 Resp: 90309
 Ion Ratio Lower Upper
 63 100
 65 30.0 22.0 41.0
 83 14.1 9.8 18.2



#21
 2-Butanone
 Concen: 51.046 ug/L
 RT: 4.02 min Scan# 910
 Delta R.T. -0.03 min
 Lab File: VV016031.D
 Acq: 13 May 2020 10:57

Tgt Ion: 43 Resp: 115514
 Ion Ratio Lower Upper
 43 100
 72 22.3 10.5 31.5

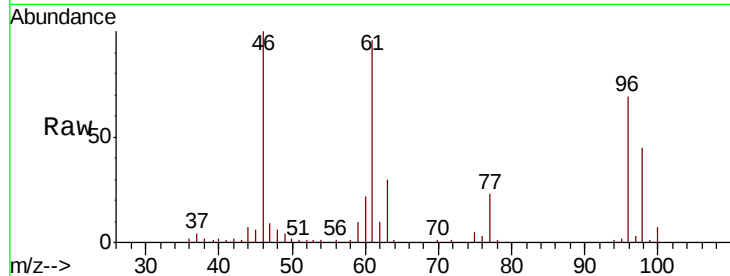




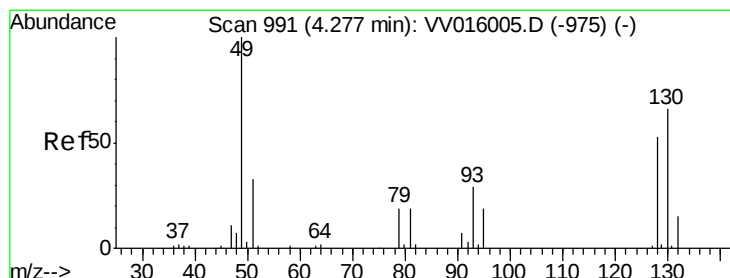
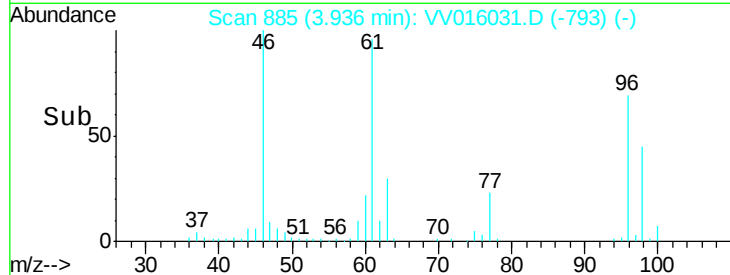
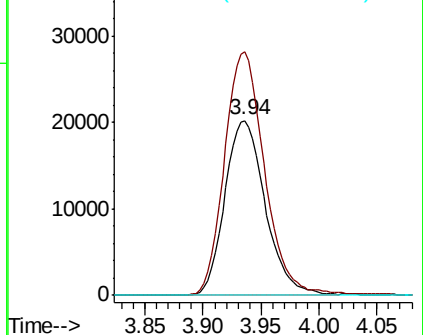
#22
 cis-1,2-Dichloroethene
 Concen: 5.290 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV016031.D
 Acq: 13 May 2020 10:57

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 49025
 Ion Ratio Lower Upper
 96 100
 61 139.3 97.2 180.6
 68 0.0 0.0 0.0

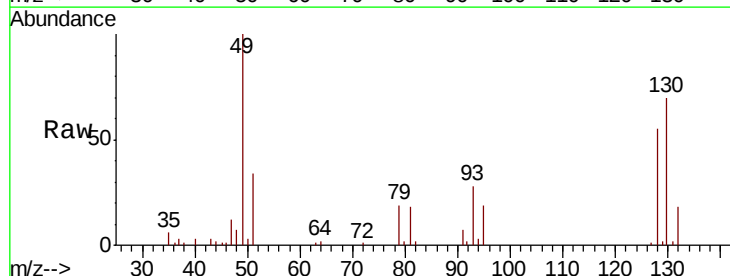


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

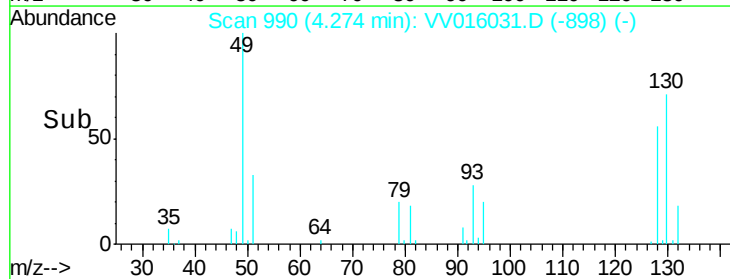
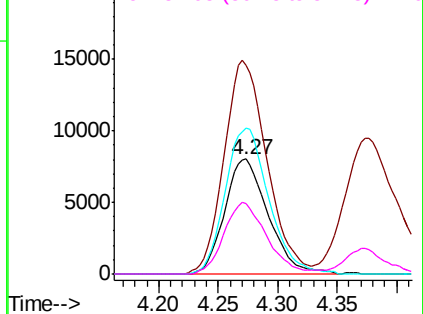


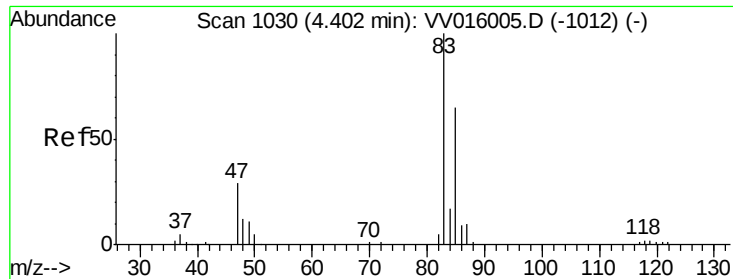
#23
 Bromochloromethane
 Concen: 5.127 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VV016031.D
 Acq: 13 May 2020 10:57

Tgt Ion: 128 Resp: 20281
 Ion Ratio Lower Upper
 128 100
 49 182.4 131.3 243.8
 130 127.1 91.8 170.4
 51 61.5 48.8 73.2



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

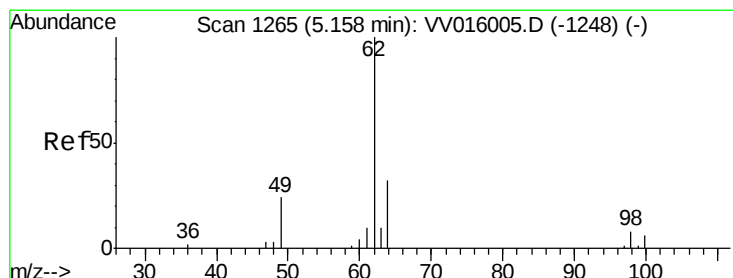
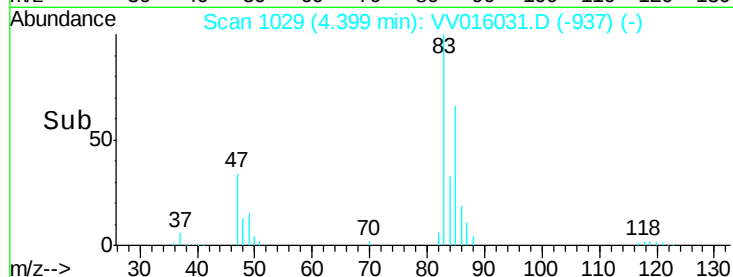
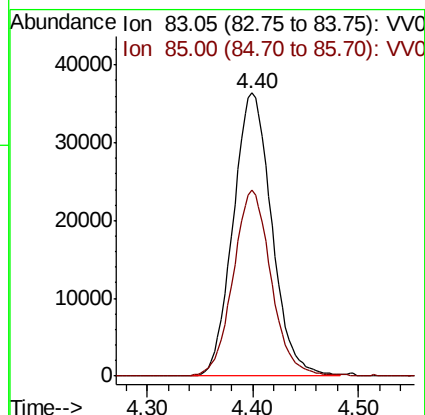
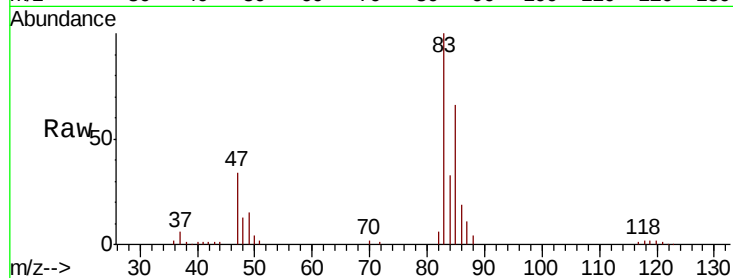




#25
Chloroform
Concen: 4.937 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV016031.D
Acq: 13 May 2020 10:57

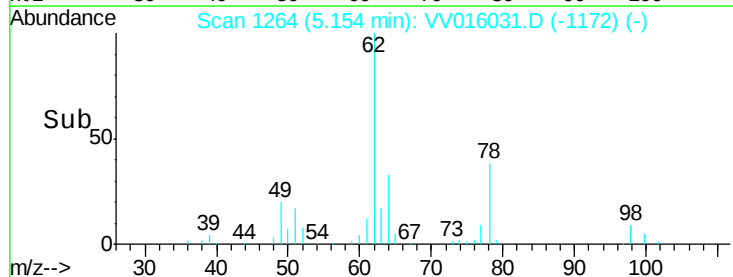
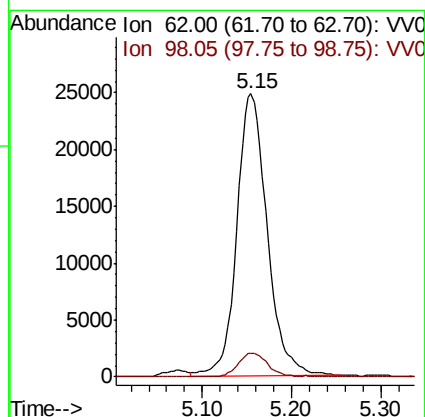
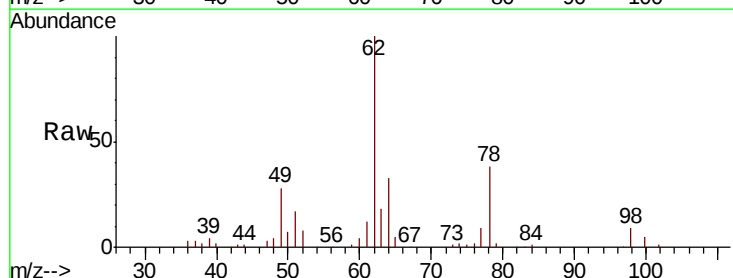
Instrument :
MSVOA_V
ClientSampleId :

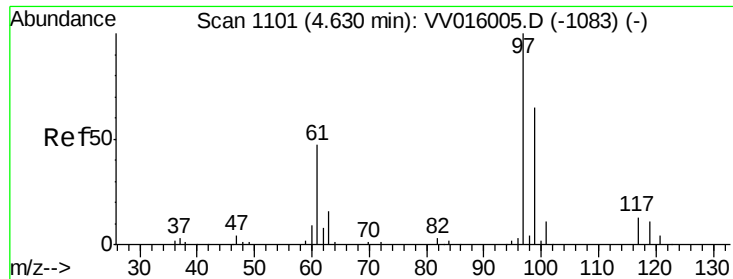
Tot Ion: 83 Resp: 92701
Ion Ratio Lower Upper
83 100
85 65.6 45.7 84.9



#27
1,2-Dichloroethane
Concen: 5.103 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV016031.D
Acq: 13 May 2020 10:57

Tgt Ion: 62 Resp: 58881
Ion Ratio Lower Upper
62 100
98 8.5 6.7 10.1

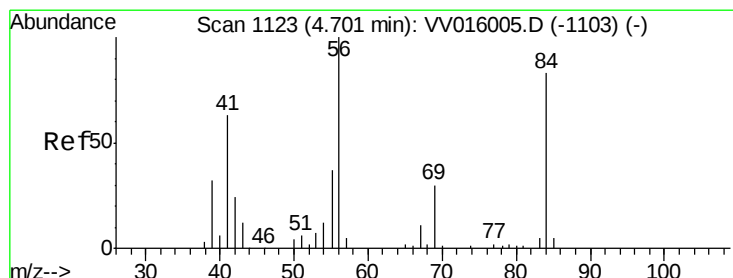
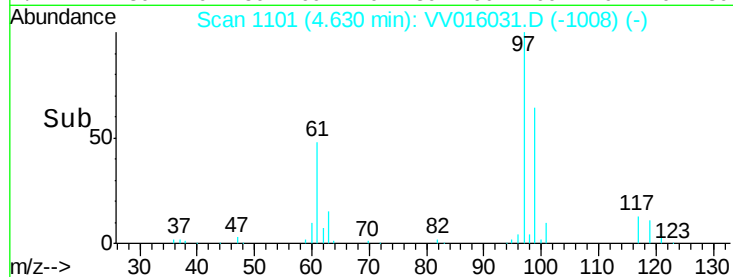
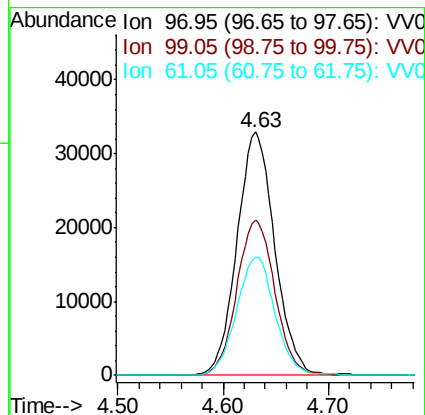
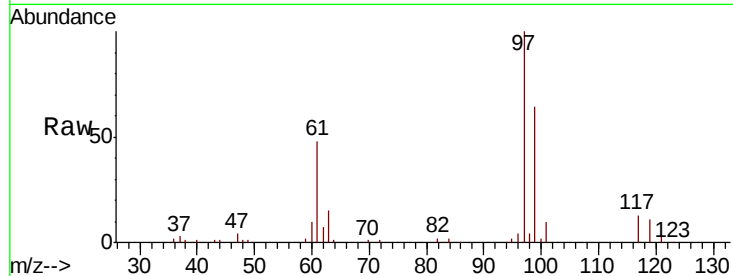




#29
 1,1,1-Trichloroethane
 Concen: 5.223 ug/L
 RT: 4.63 min Scan# 1101
 Delta R.T. 0.00 min
 Lab File: VV016031.D
 Acq: 13 May 2020 10:57

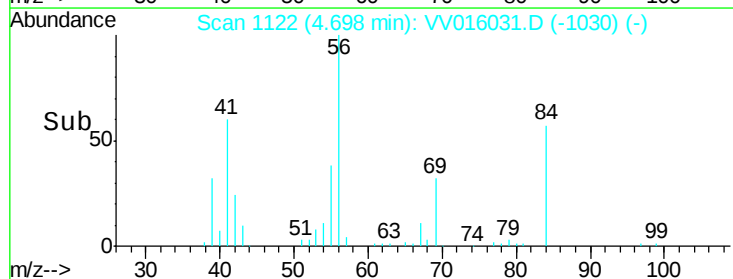
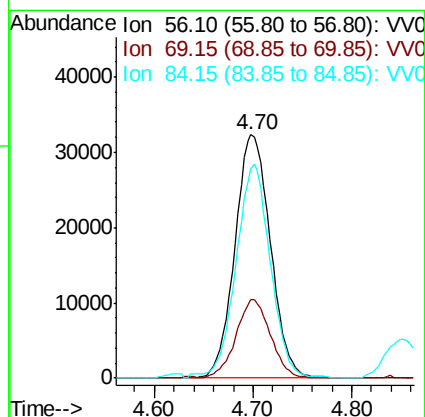
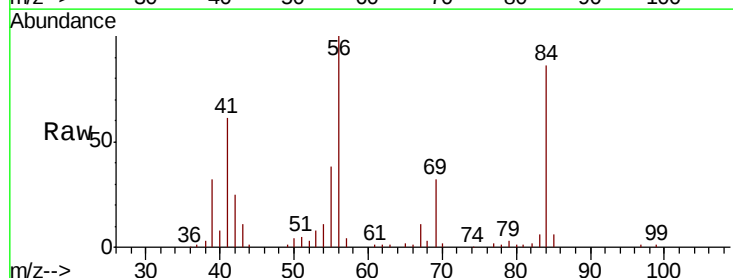
Instrument :
 MSVOA_V
 ClientSampled :

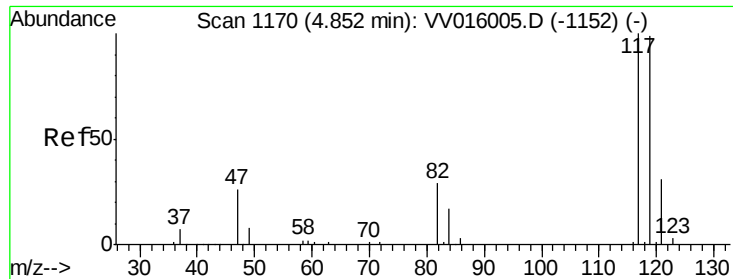
Tot Ion: 97 Resp: 82070
 Ion Ratio Lower Upper
 97 100
 99 64.3 50.7 76.1
 61 49.1 38.8 58.2



#30
 Cyclohexane
 Concen: 5.130 ug/L
 RT: 4.70 min Scan# 1122
 Delta R.T. -0.00 min
 Lab File: VV016031.D
 Acq: 13 May 2020 10:57

Tgt Ion: 56 Resp: 80778
 Ion Ratio Lower Upper
 56 100
 69 31.3 24.2 36.2
 84 85.3 68.3 102.5

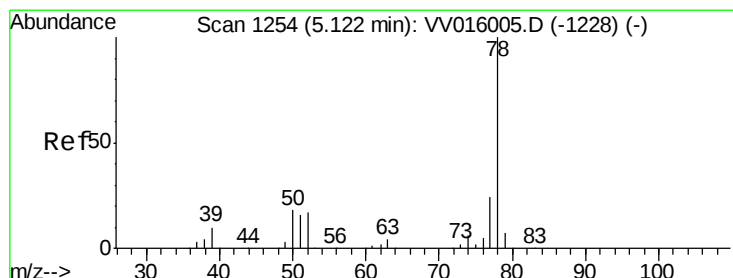
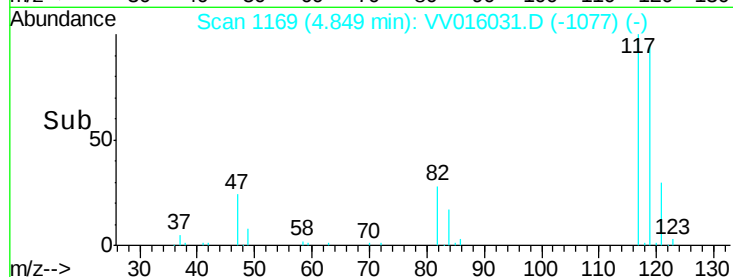
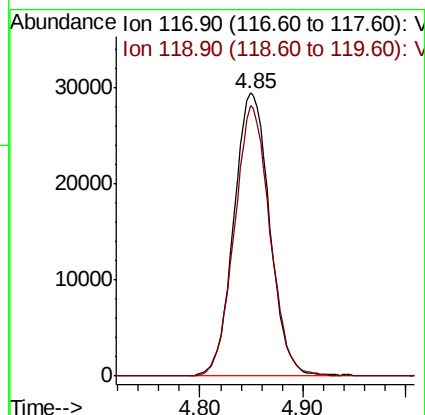
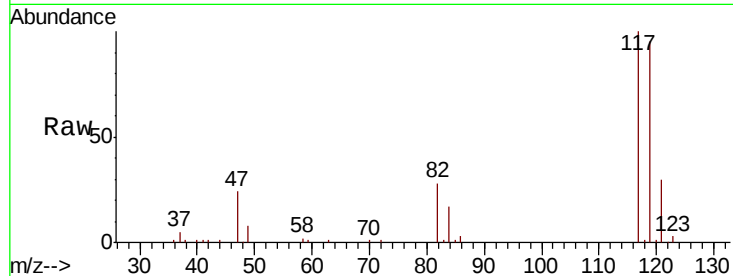




#31
 Carbon tetrachloride
 Concen: 5.255 ug/L
 RT: 4.85 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: VV016031.D
 Acq: 13 May 2020 10:57

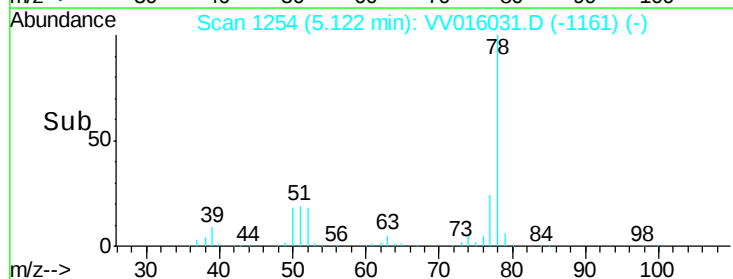
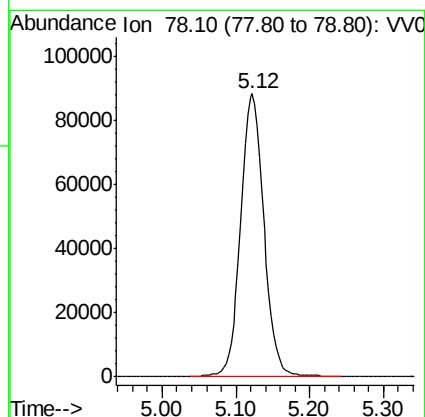
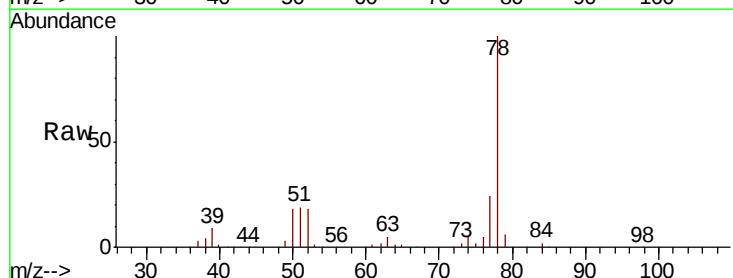
Instrument :
 MSVOA_V
 ClientSampleId :

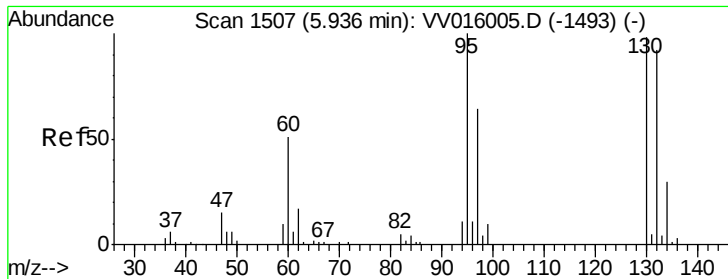
Tot Ion:117 Resp: 71262
 Ion Ratio Lower Upper
 117 100
 119 94.4 77.3 115.9



#33
 Benzene
 Concen: 5.457 ug/L
 RT: 5.12 min Scan# 1254
 Delta R.T. 0.00 min
 Lab File: VV016031.D
 Acq: 13 May 2020 10:57

Tgt Ion: 78 Resp: 195622





#34

Trichloroethene

Concen: 4.910 ug/L

RT: 5.94 min Scan# 1507

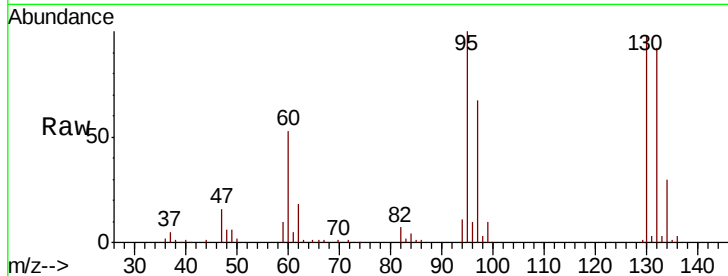
Delta R.T. 0.00 min

Lab File: VV016031.D

Acq: 13 May 2020 10:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	95	Resp:	50237
Ion	Ratio	Lower	Upper
95	100		
97	66.7	43.3	80.5
132	92.3	60.3	112.1
130	98.0	66.0	122.6

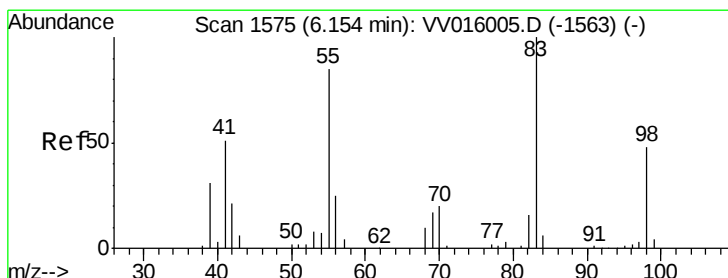
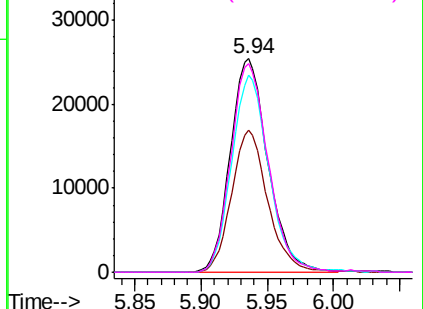
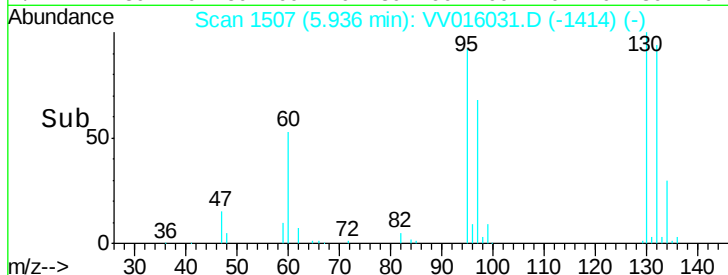


Abundance Ion 95.00 (94.70 to 95.70): VV016031.D (-1414) (-)

Ion 96.95 (96.65 to 97.65): VV016031.D (-1414) (-)

Ion 131.95 (131.65 to 132.65): VV016031.D (-1414) (-)

Ion 129.95 (129.65 to 130.65): VV016031.D (-1414) (-)



#35

Methylcyclohexane

Concen: 5.296 ug/L

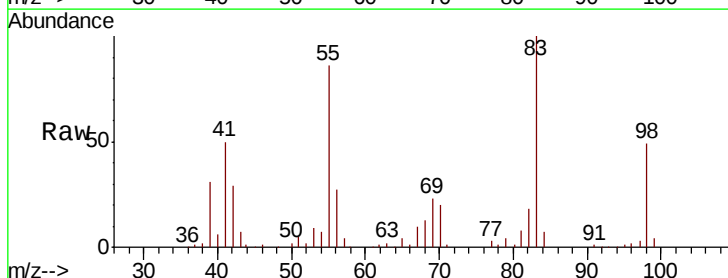
RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV016031.D

Acq: 13 May 2020 10:57

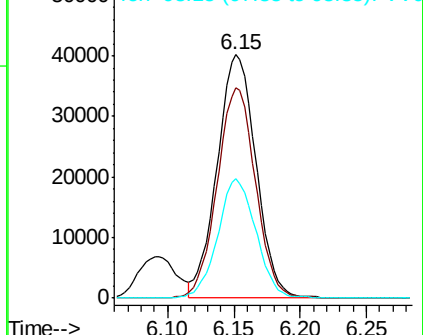
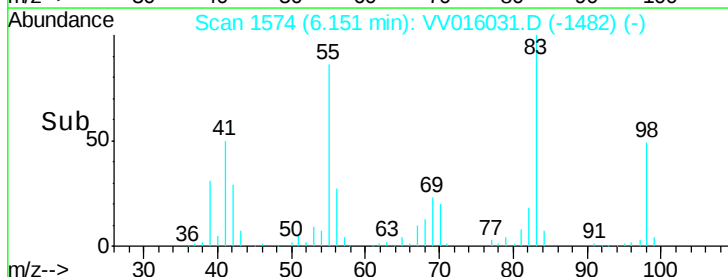
Tgt Ion:	83	Resp:	81964
Ion	Ratio	Lower	Upper
83	100		
55	84.2	66.2	99.2
98	48.1	37.9	56.9

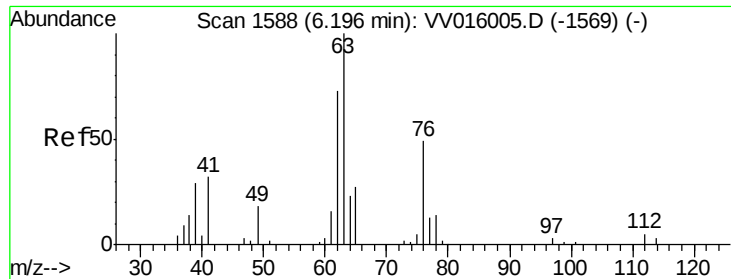


Abundance Ion 83.15 (82.85 to 83.85): VV016031.D (-1482) (-)

Ion 55.10 (54.80 to 55.80): VV016031.D (-1482) (-)

Ion 98.15 (97.85 to 98.85): VV016031.D (-1482) (-)

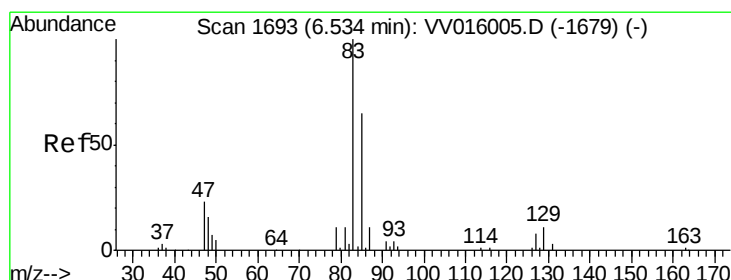
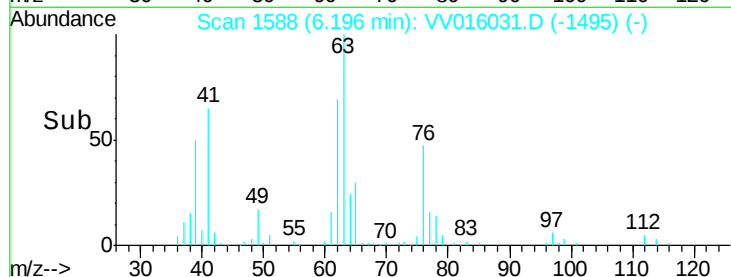
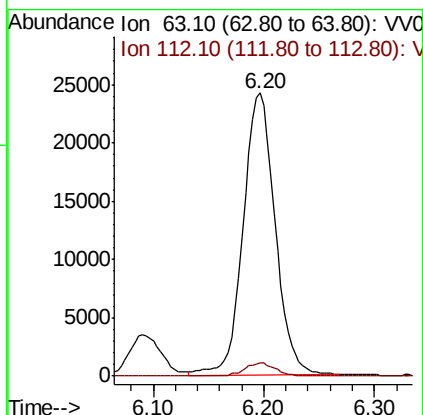
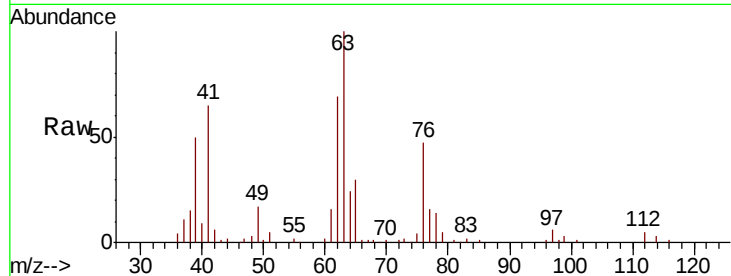




#37
 1,2-Dichloropropane
 Concen: 5.316 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV016031.D
 Acq: 13 May 2020 10:57

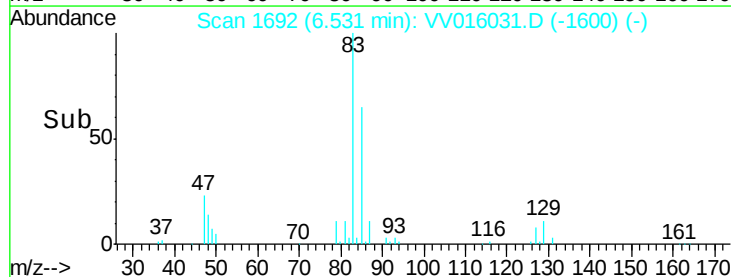
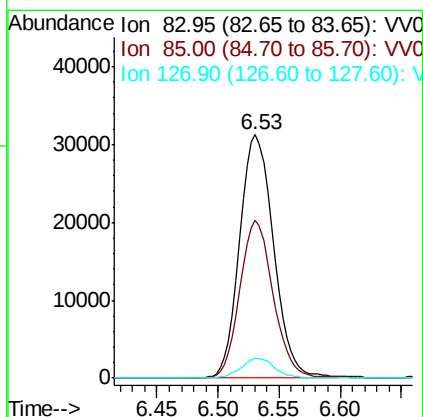
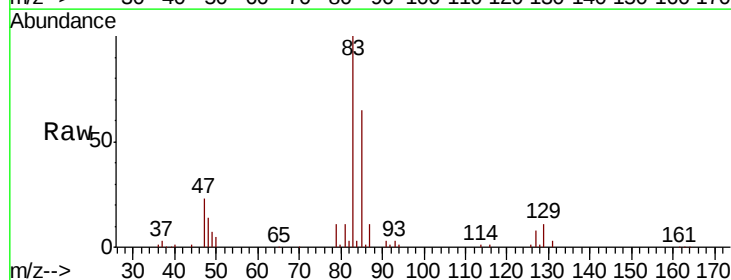
Instrument :
 MSVOA_V
 ClientSampled :

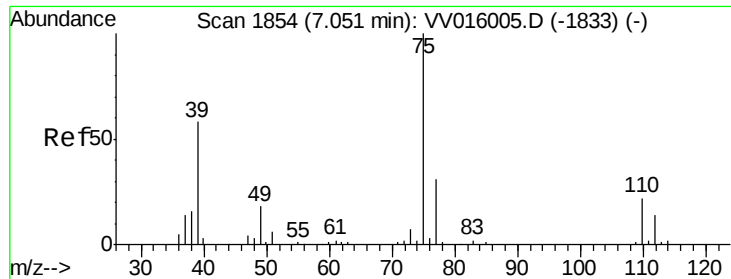
Tot Ion: 63 Resp: 48415
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.4 5.0



#38
 Bromodichloromethane
 Concen: 5.212 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV016031.D
 Acq: 13 May 2020 10:57

Tgt Ion: 83 Resp: 60275
 Ion Ratio Lower Upper
 83 100
 85 65.1 45.5 84.5
 127 8.1 6.2 9.4

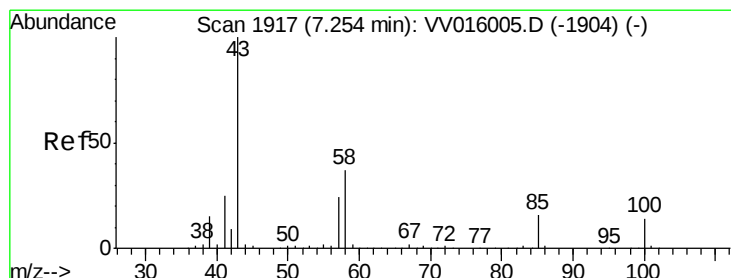
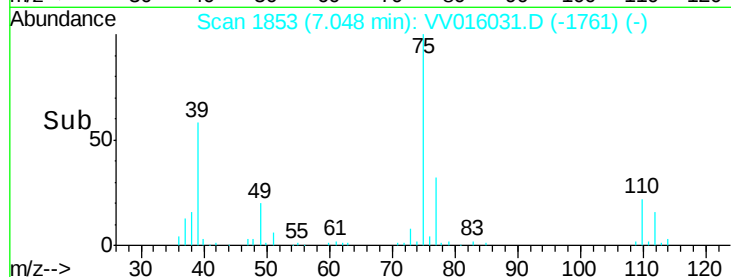
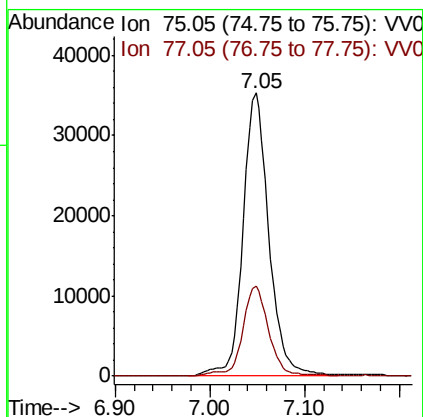
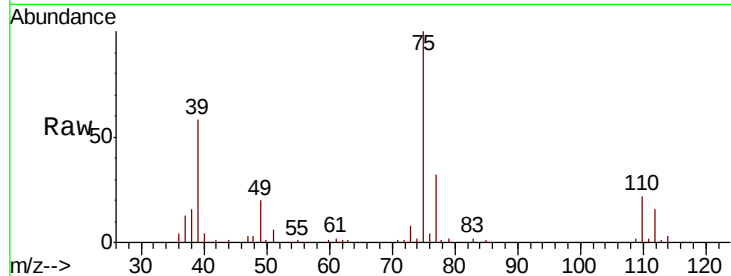




#39
 cis-1,3-Dichloropropene
 Concen: 5.226 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV016031.D
 Acq: 13 May 2020 10:57

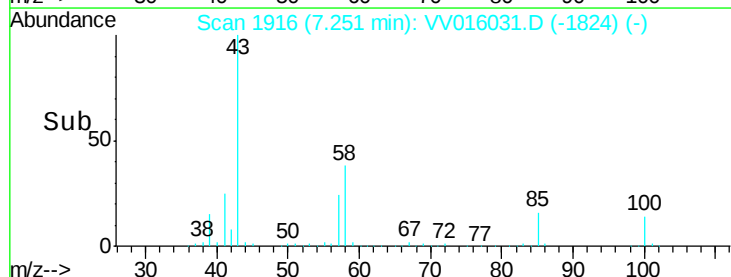
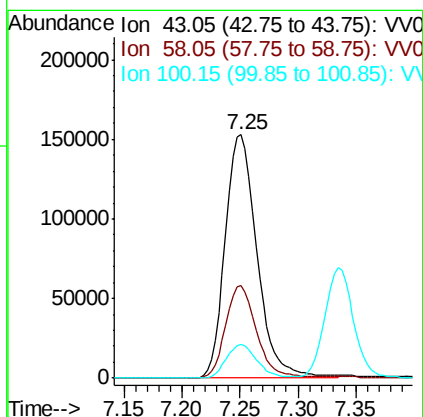
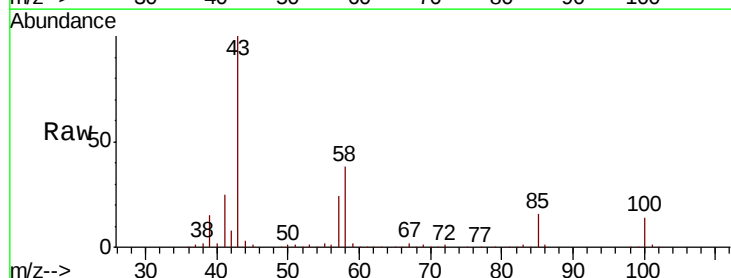
Instrument :
 MSVOA_V
 ClientSampled :

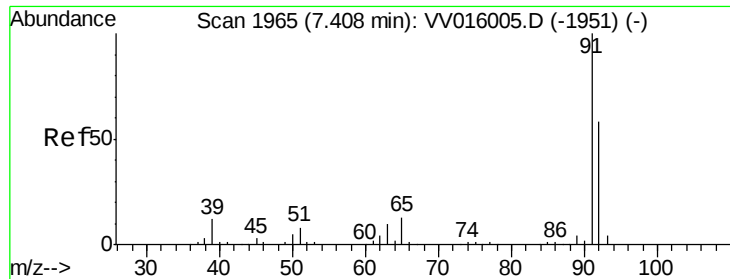
Tot Ion: 75 Resp: 67271
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.3 39.5



#40
 4-Methyl-2-pentanone
 Concen: 51.298 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VV016031.D
 Acq: 13 May 2020 10:57

Tgt Ion: 43 Resp: 291191
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.0 43.4
 100 13.4 10.9 16.3





#42

Toluene

Concen: 5.498 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016031.D

Acq: 13 May 2020 10:57

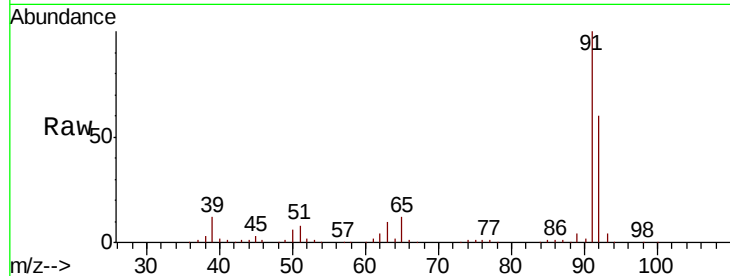
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 208915

Ion Ratio Lower Upper

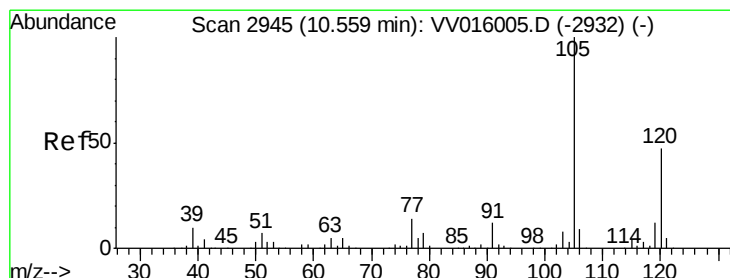
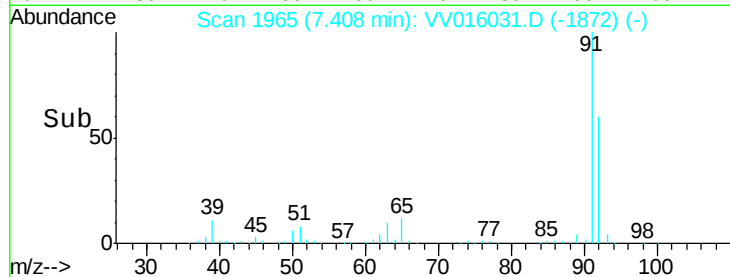
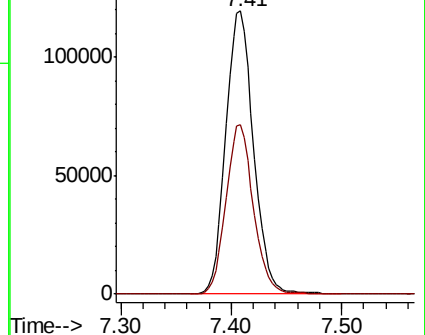
91 100

92 59.7 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV016031.D (-1872) (-)

Ion 92.15 (91.85 to 92.85): VV016031.D (-1872) (-)



#43

1,3,5-Trimethylbenzene

Concen: 5.450 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV016031.D

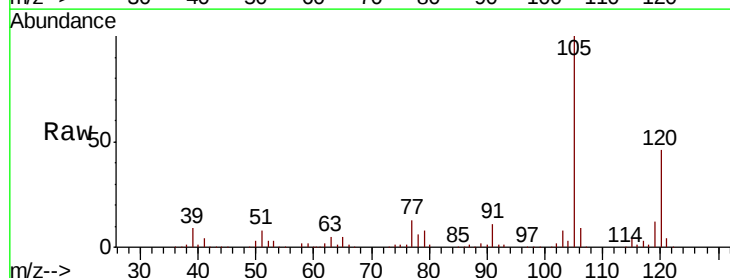
Acq: 13 May 2020 10:57

Tgt Ion:105 Resp: 190090

Ion Ratio Lower Upper

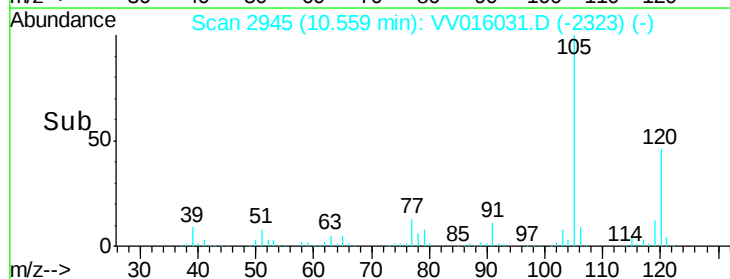
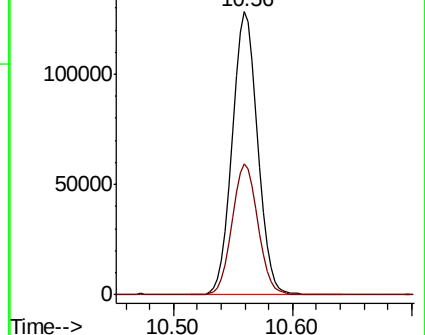
105 100

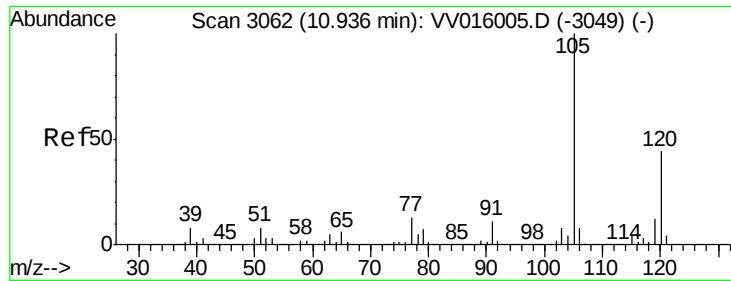
120 47.1 0.0 0.0#



Abundance Ion 105.00 (104.70 to 105.70): VV016031.D (-2323) (-)

Ion 120.00 (119.70 to 120.70): VV016031.D (-2323) (-)

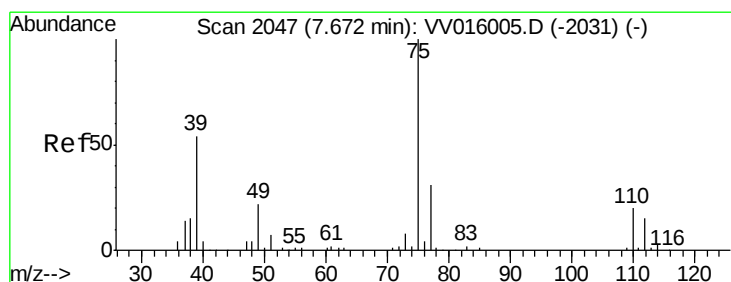
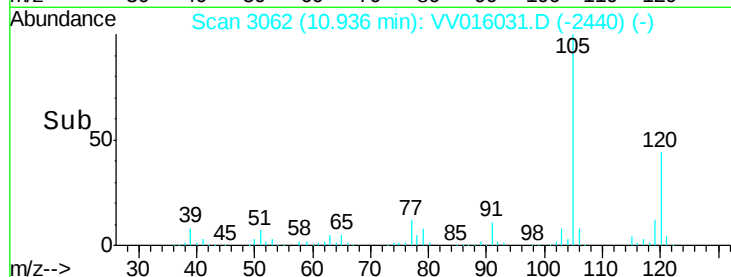
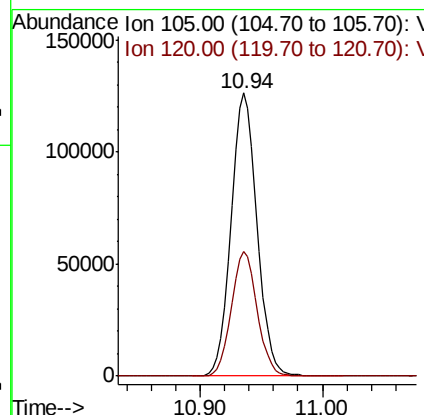
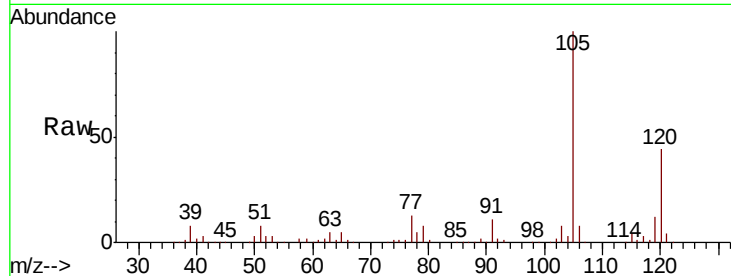




#44
 1,2,4-Trimethylbenzene
 Concen: 5.412 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV016031.D
 Acq: 13 May 2020 10:57

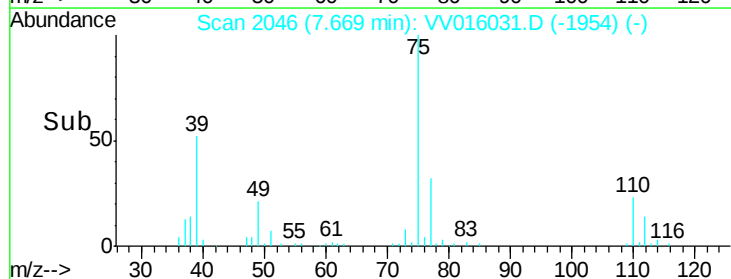
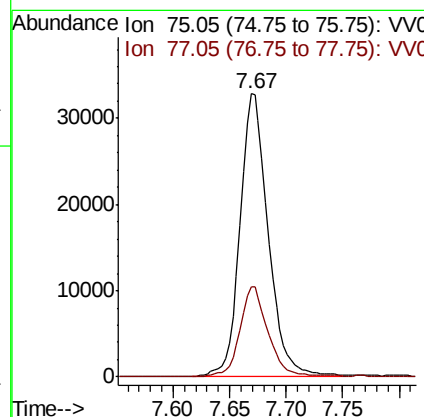
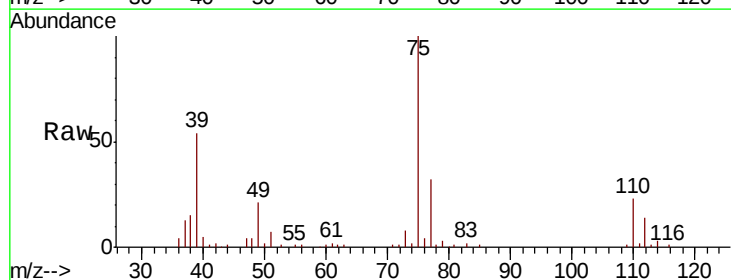
Instrument :
 MSVOA_V
 ClientSampled :

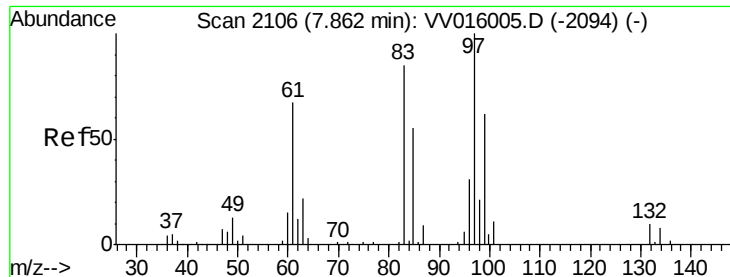
Tot Ion:105 Resp: 188651
 Ion Ratio Lower Upper
 105 100
 120 43.8 0.0 0.0#



#46
 trans-1,3-Dichloropropene
 Concen: 5.282 ug/L
 RT: 7.67 min Scan# 2046
 Delta R.T. -0.00 min
 Lab File: VV016031.D
 Acq: 13 May 2020 10:57

Tgt Ion: 75 Resp: 57437
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.3 39.6

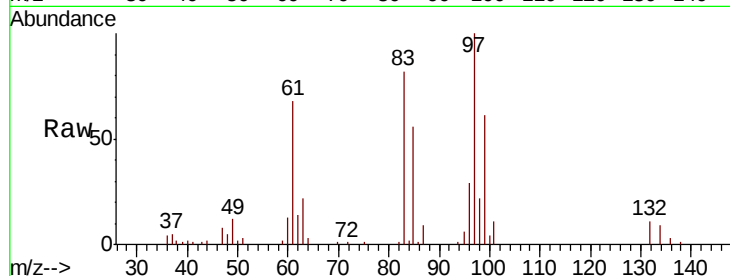




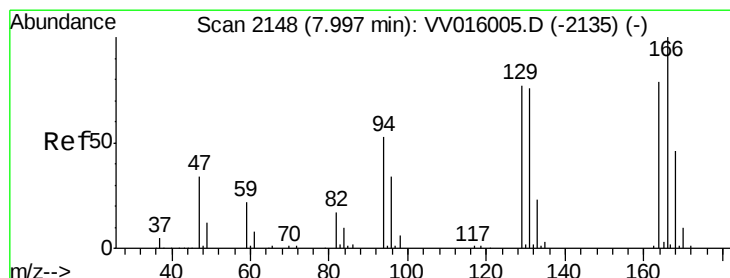
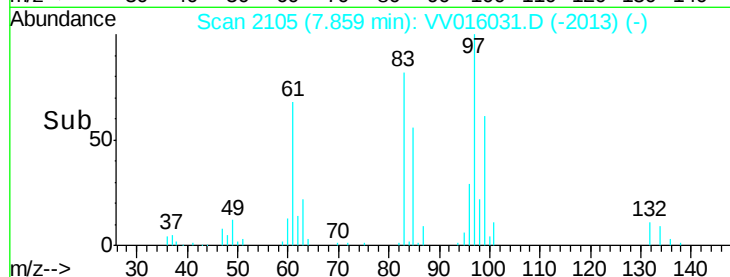
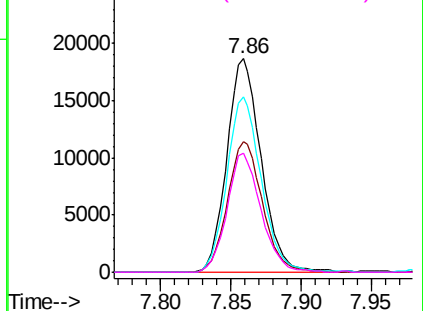
#47
 1,1,2-Trichloroethane
 Concen: 5.228 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV016031.D
 Acq: 13 May 2020 10:57

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	31797
Ion	Ratio	Lower	Upper
97	100		
99	61.2	42.1	78.1
83	82.2	59.2	110.0
85	55.6	38.6	71.8

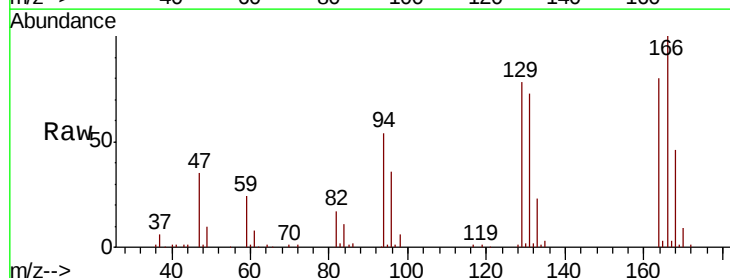


Abundance Ion 96.95 (96.65 to 97.65): VV016031.D (-2013) (-)

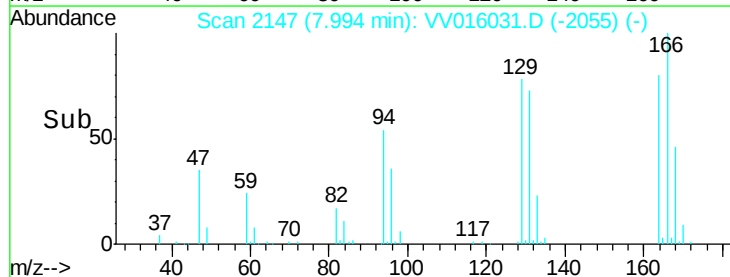
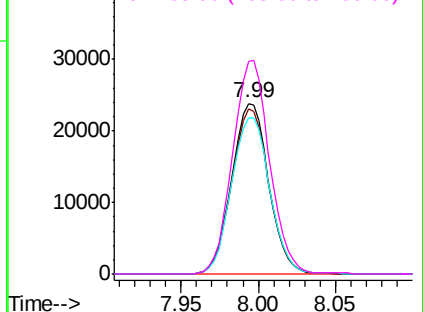


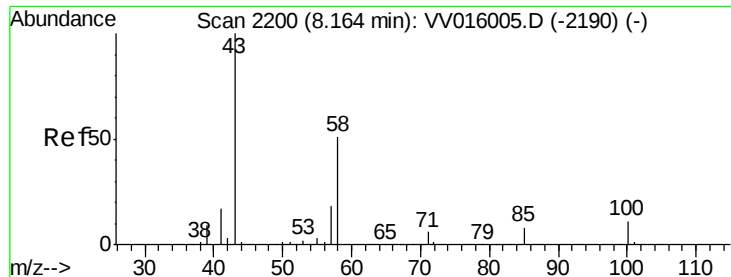
#49
 Tetrachloroethene
 Concen: 5.540 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV016031.D
 Acq: 13 May 2020 10:57

Tgt Ion:	164	Resp:	39554
Ion	Ratio	Lower	Upper
164	100		
129	96.8	69.7	129.4
131	91.5	66.8	124.2
166	124.6	89.1	165.5



Abundance Ion 163.90 (163.60 to 164.60): VV016031.D (-2055) (-)

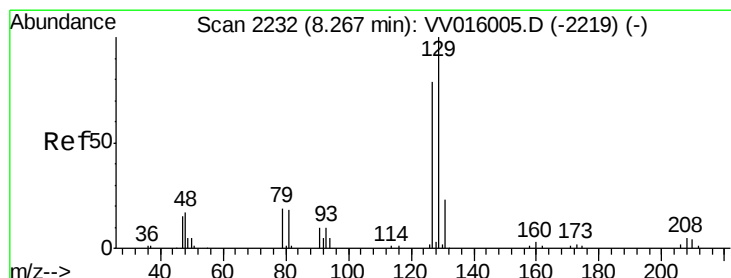
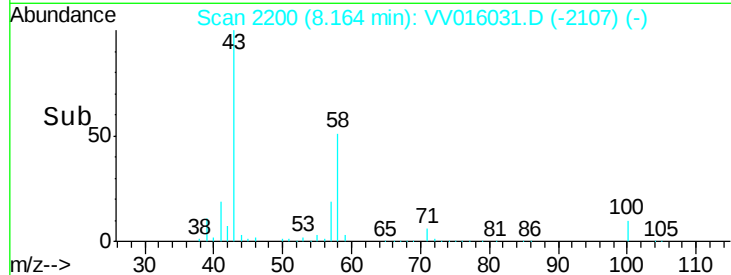
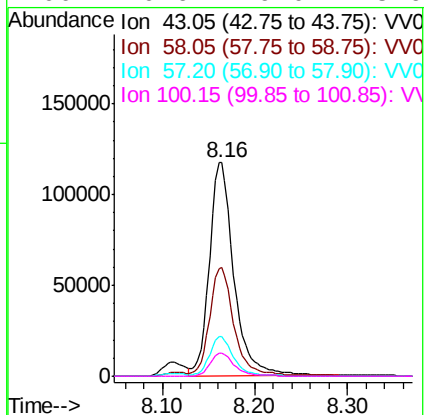
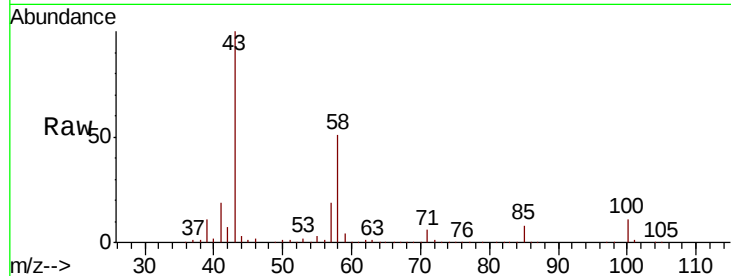




#50
2-Hexanone
Concen: 53.450 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV016031.D
Acq: 13 May 2020 10:57

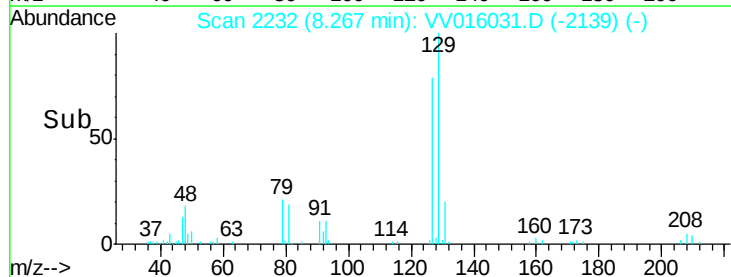
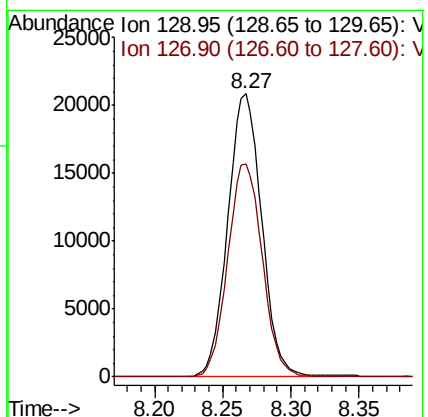
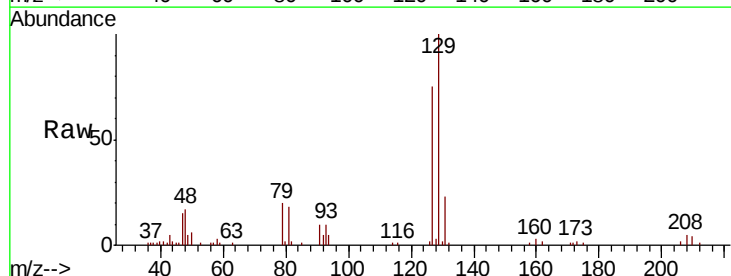
Instrument :
MSVOA_V
ClientSampled :

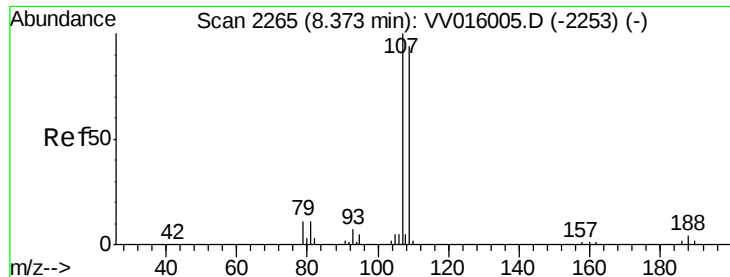
Tot Ion: 43 Resp: 214562
Ion Ratio Lower Upper
43 100
58 49.6 40.8 61.2
57 18.4 14.7 22.1
100 10.6 9.0 13.6



#51
Dibromochloromethane
Concen: 5.283 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV016031.D
Acq: 13 May 2020 10:57

Tgt Ion: 129 Resp: 36105
Ion Ratio Lower Upper
129 100
127 75.1 56.0 104.0

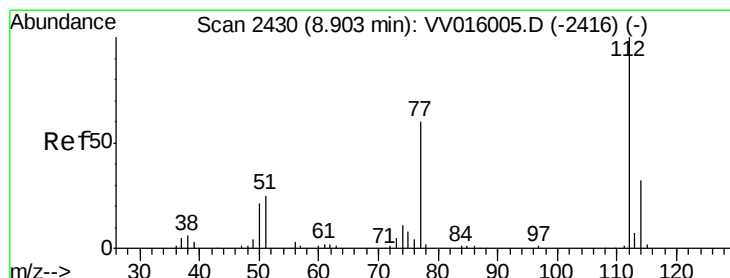
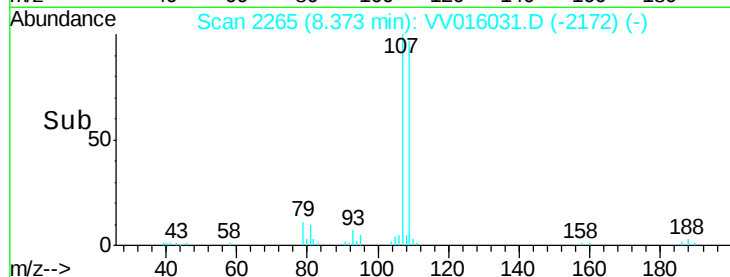
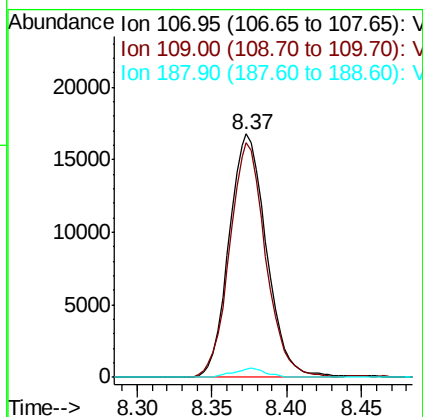
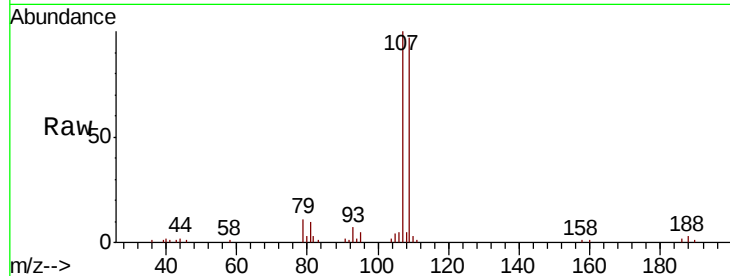




#52
1,2-Dibromoethane
Concen: 5.174 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV016031.D
Acq: 13 May 2020 10:57

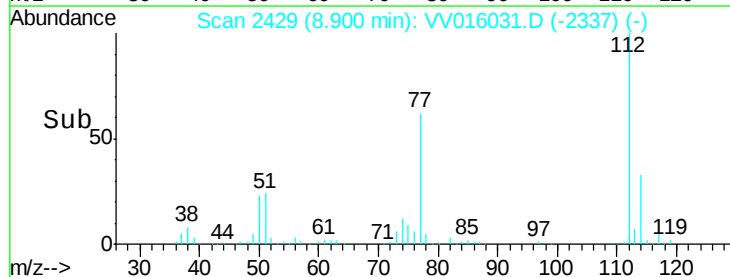
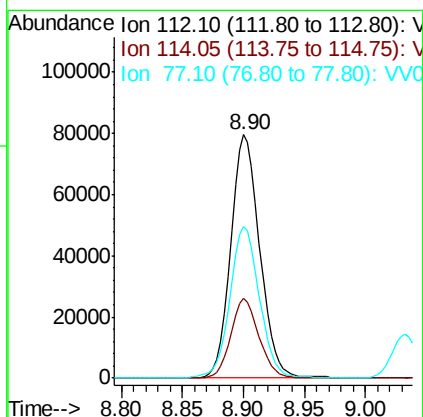
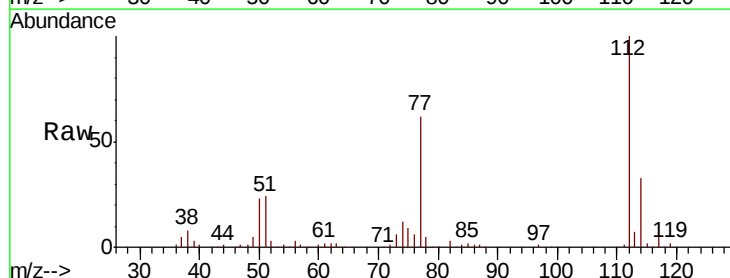
Instrument :
MSVOA_V
ClientSampleId :

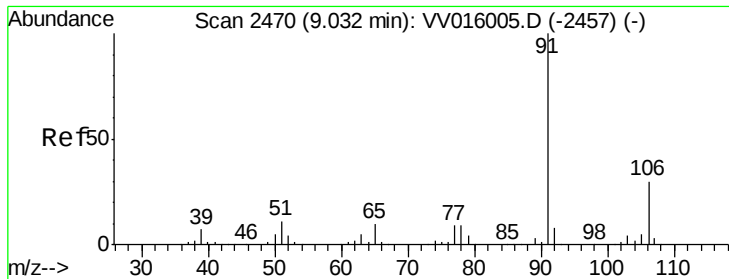
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.5	68.9	127.9
188	3.4	2.7	4.1



#53
Chlorobenzene
Concen: 5.393 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV016031.D
Acq: 13 May 2020 10:57

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	21.6	40.0
77	62.4	48.6	73.0

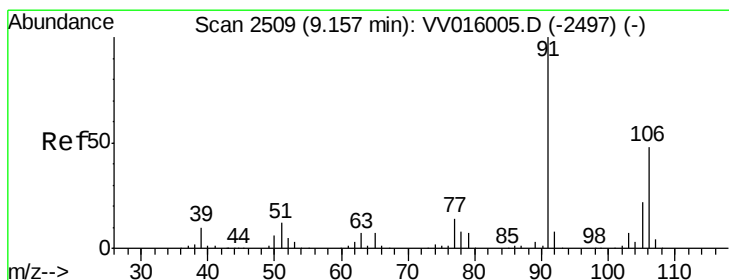
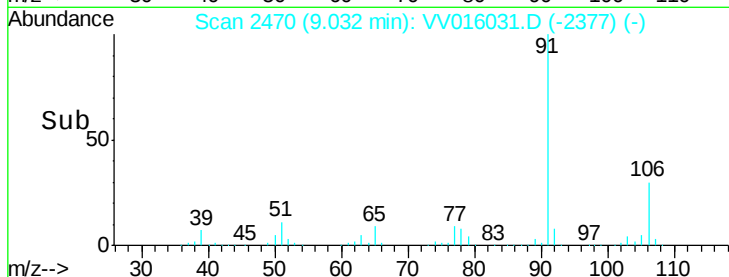
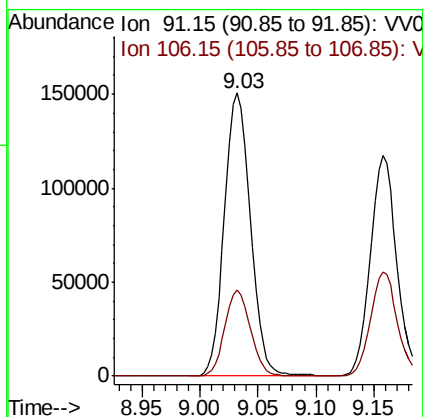
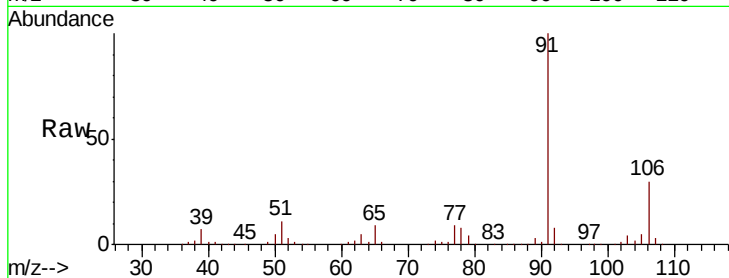




#54
Ethylbenzene
Concen: 5.438 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV016031.D
Acq: 13 May 2020 10:57

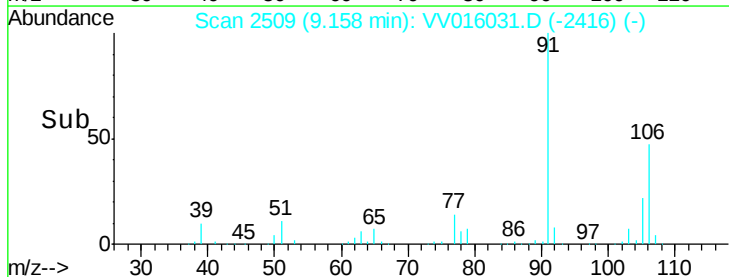
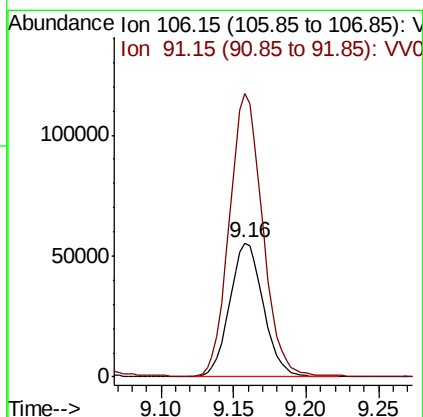
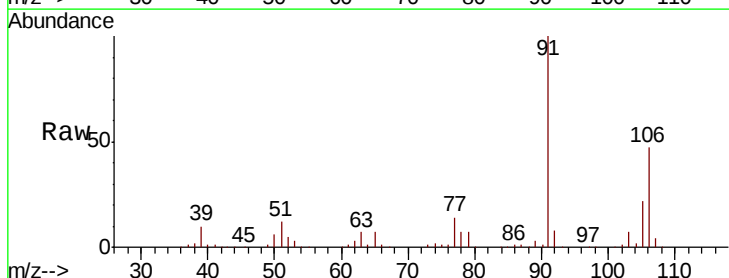
Instrument :
MSVOA_V
ClientSampleId :

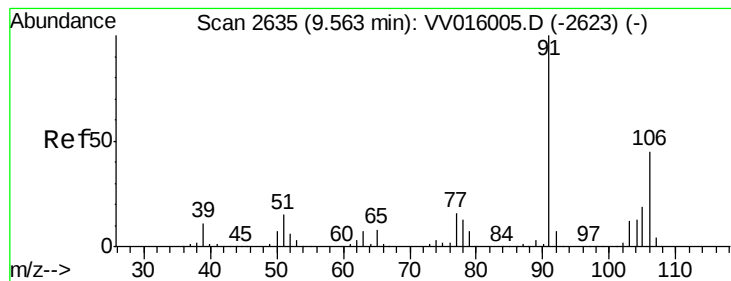
Tot Ion: 91 Resp: 234937
Ion Ratio Lower Upper
91 100
106 30.3 20.6 38.4



#55
m,p-xylene
Concen: 5.547 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV016031.D
Acq: 13 May 2020 10:57

Tgt Ion: 106 Resp: 88746
Ion Ratio Lower Upper
106 100
91 211.5 149.9 278.3





#56

o-xylene

Concen: 5.508 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV016031.D

Acq: 13 May 2020 10:57

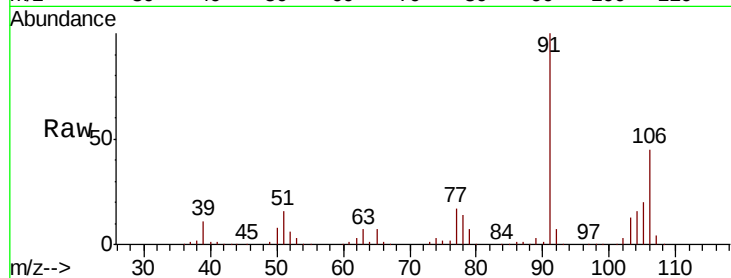
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 84242

Ion Ratio Lower Upper

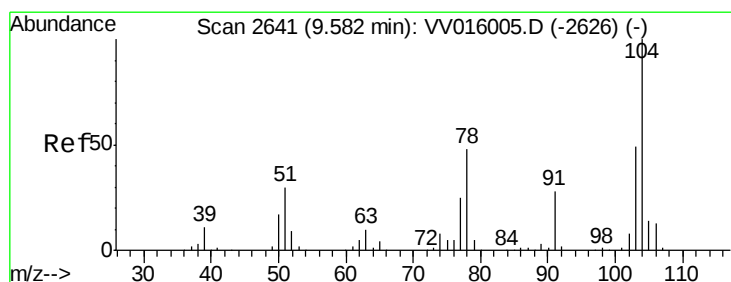
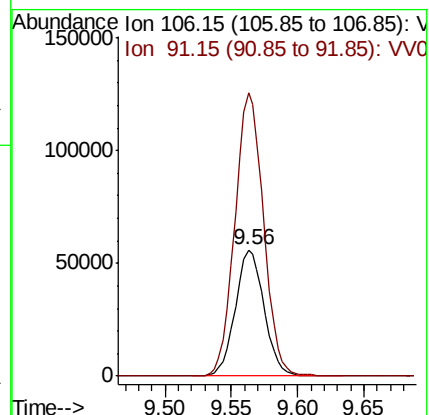
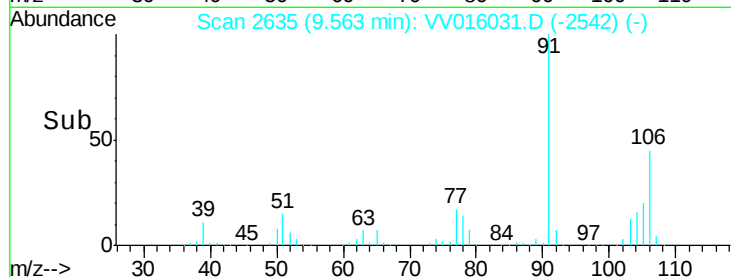
106 100

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: 5.539 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV016031.D

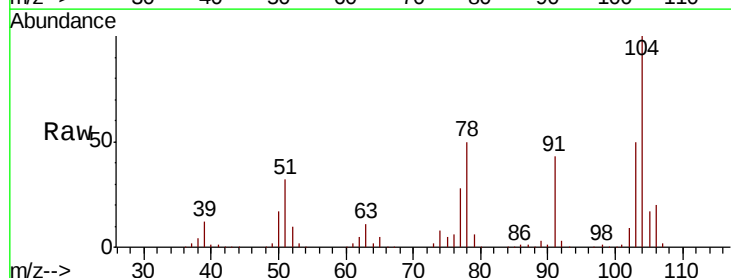
Acq: 13 May 2020 10:57

Tgt Ion:104 Resp: 141711

Ion Ratio Lower Upper

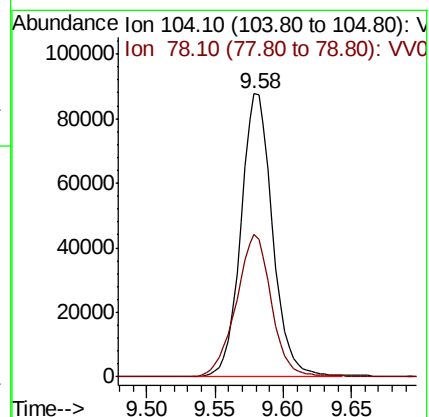
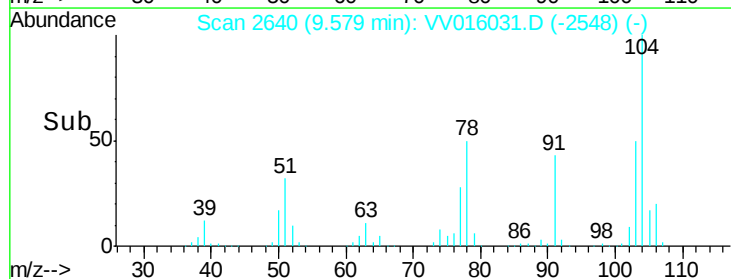
104 100

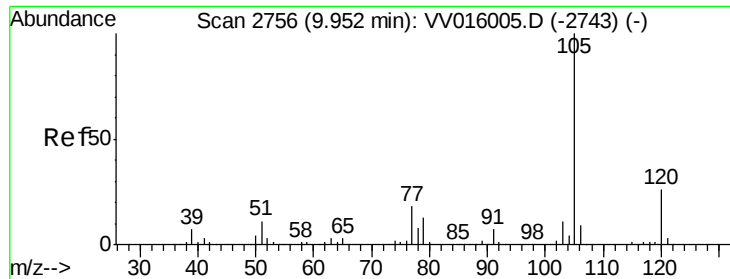
78 50.3 33.9 63.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#58

Isopropylbenzene

Concen: 5.477 ug/L

RT: 9.95 min Scan# 2756

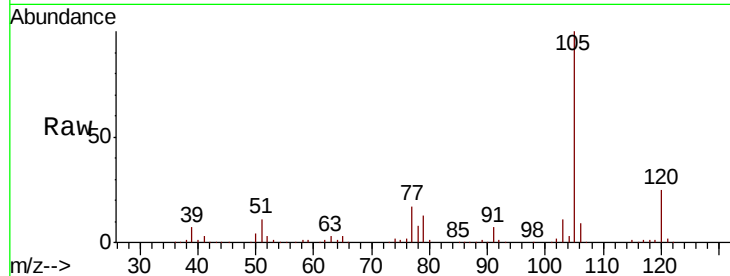
Delta R.T. 0.00 min

Lab File: VV016031.D

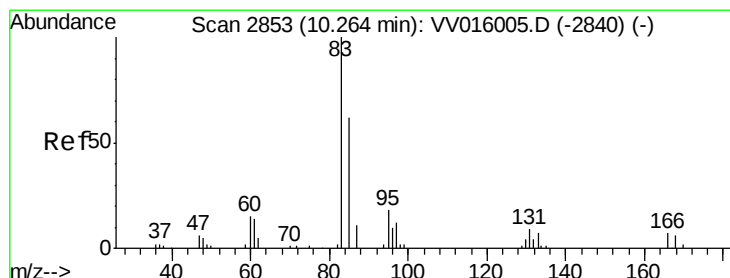
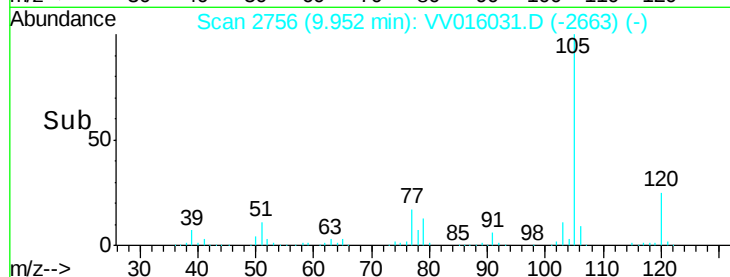
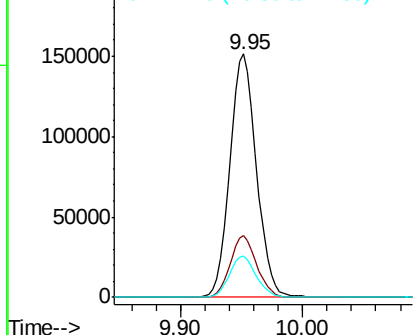
Acq: 13 May 2020 10:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	105	Resp:	230165
Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.8	31.2
77	17.1	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: 5.831 ug/L

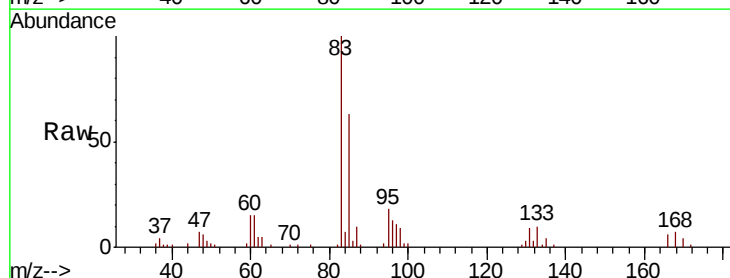
RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

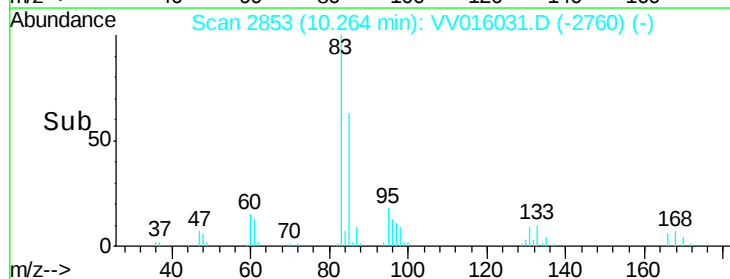
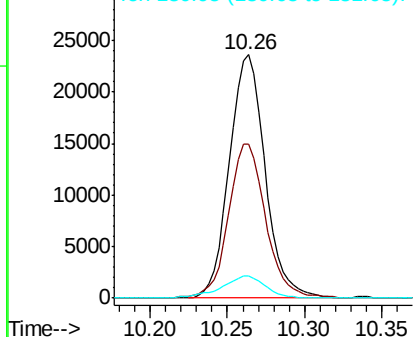
Lab File: VV016031.D

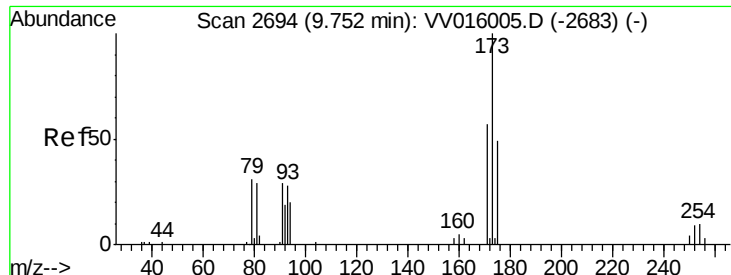
Acq: 13 May 2020 10:57

Tgt Ion:	83	Resp:	37894
Ion	Ratio	Lower	Upper
83	100		
85	63.0	44.0	81.6
131	9.1	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: 5.254 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016031.D

Acq: 13 May 2020 10:57

Instrument :
MSVOA_V
ClientSampled :

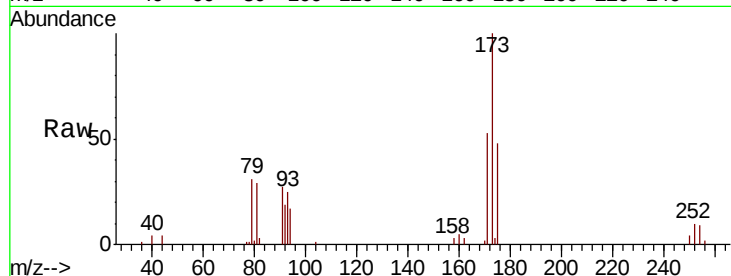
Tot Ion:173 Resp: 17118

Ion Ratio Lower Upper

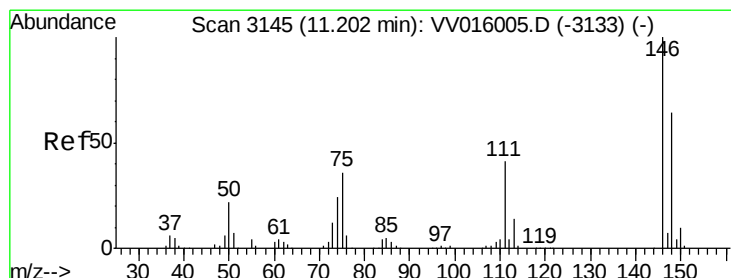
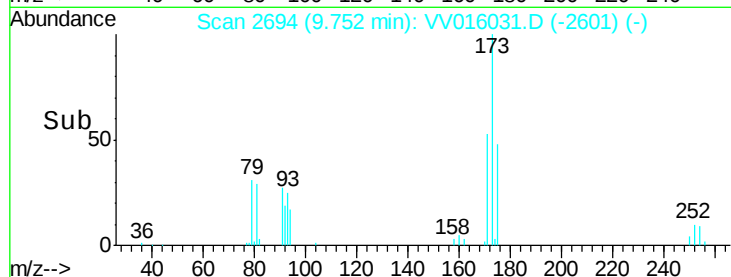
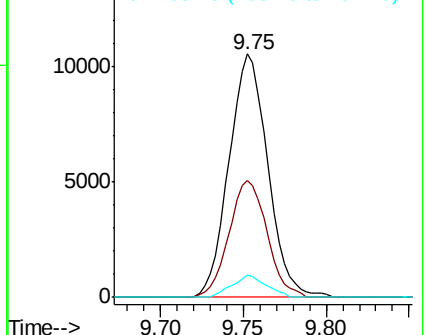
173 100

175 47.1 39.8 59.8

254 8.1 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: 5.404 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016031.D

Acq: 13 May 2020 10:57

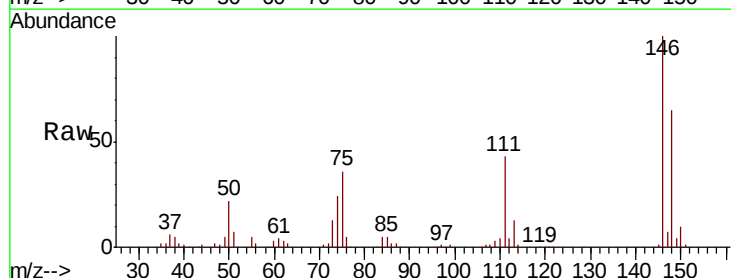
Tgt Ion:146 Resp: 103244

Ion Ratio Lower Upper

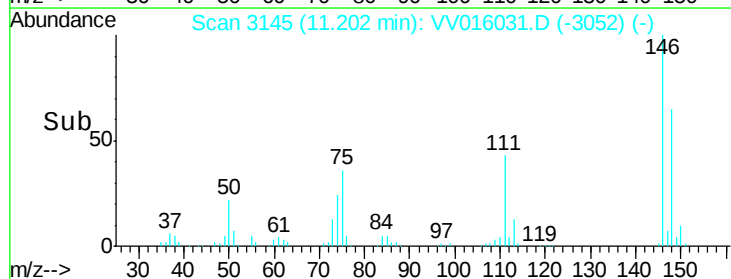
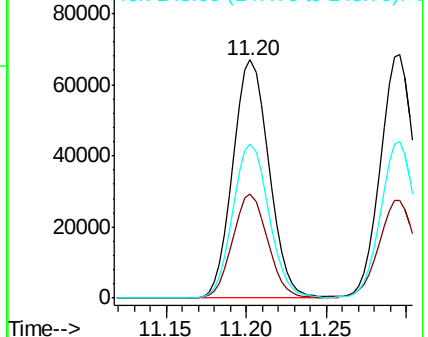
146 100

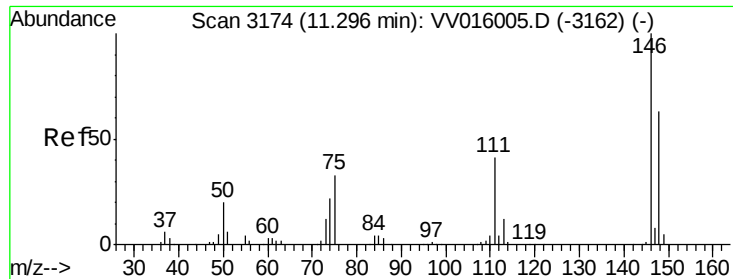
111 43.5 28.7 53.3

148 64.6 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: 5.486 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016031.D

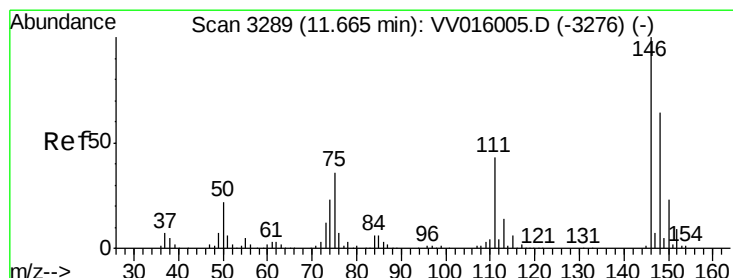
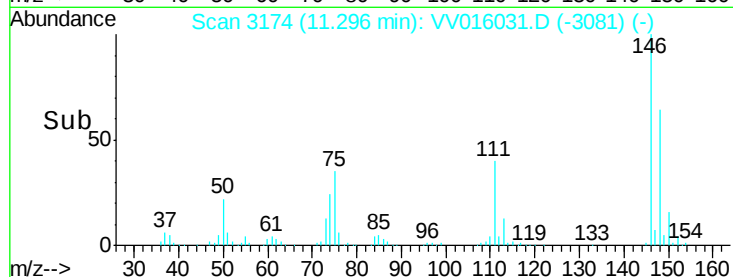
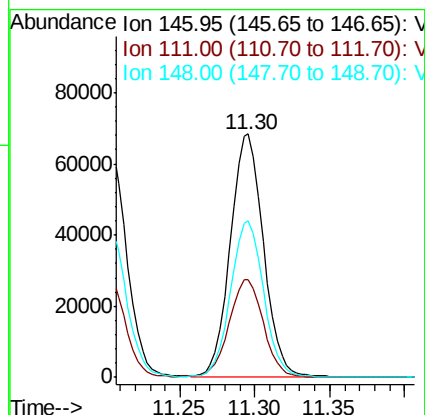
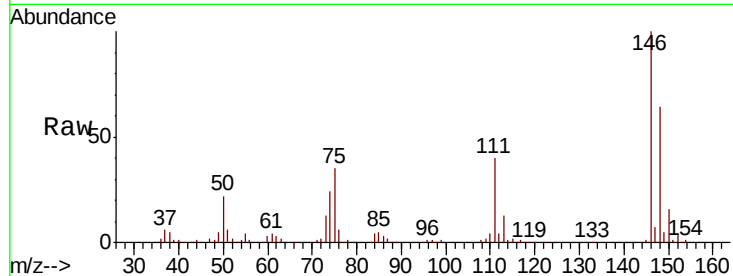
Acq: 13 May 2020 10:57

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:146	Resp:	105301
Ion	Ratio	Lower Upper
146	100	
111	40.0	28.9 53.7
148	64.3	44.6 82.8



#66

1,2-Dichlorobenzene

Concen: 5.439 ug/L

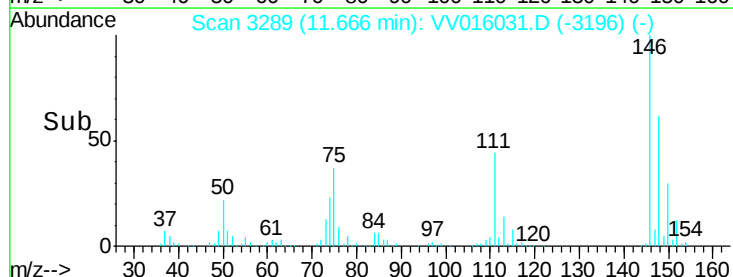
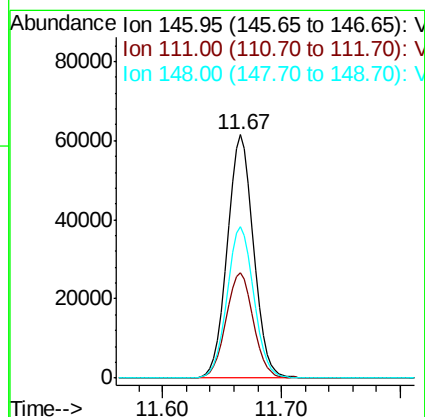
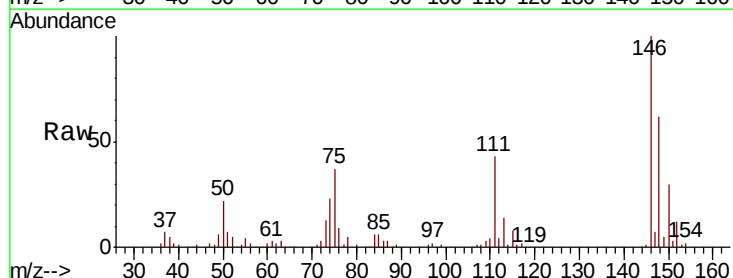
RT: 11.67 min Scan# 3289

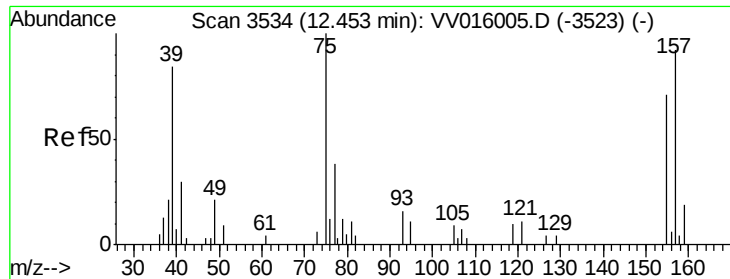
Delta R.T. 0.00 min

Lab File: VV016031.D

Acq: 13 May 2020 10:57

Tgt Ion:146	Resp:	94061
Ion	Ratio	Lower Upper
146	100	
111	43.4	37.0 55.4
148	62.2	49.8 74.6

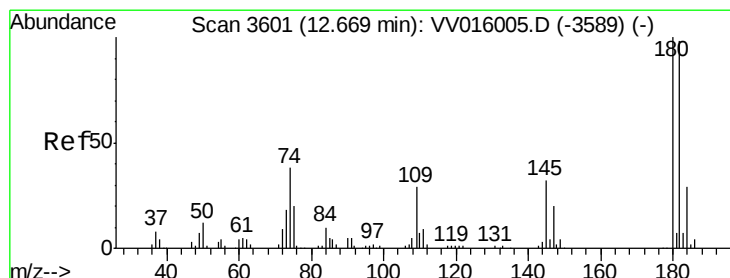
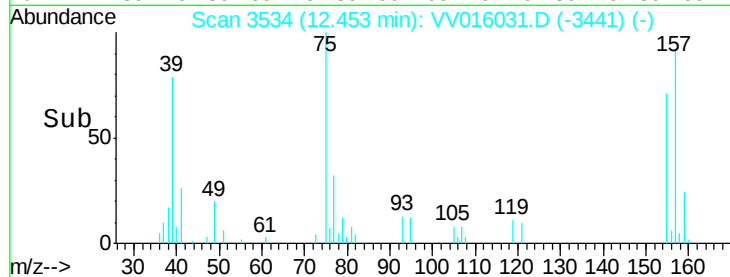
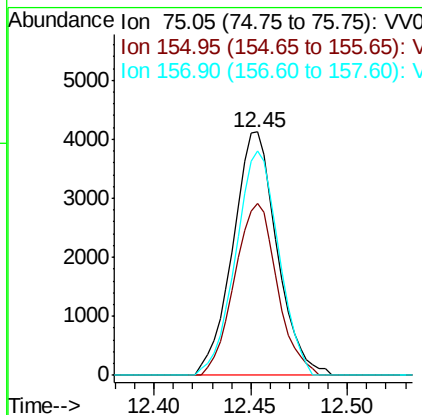
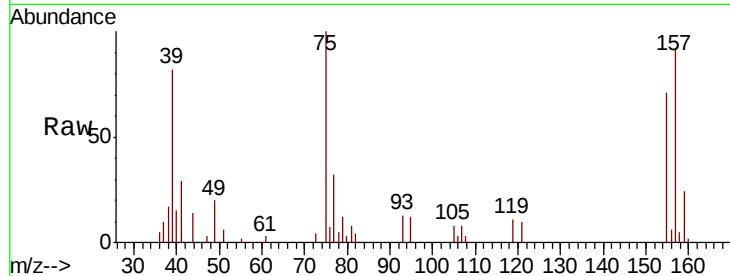




#67
 1,2-Dibromo-3-chloropropane
 Concen: 5.807 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV016031.D
 Acq: 13 May 2020 10:57

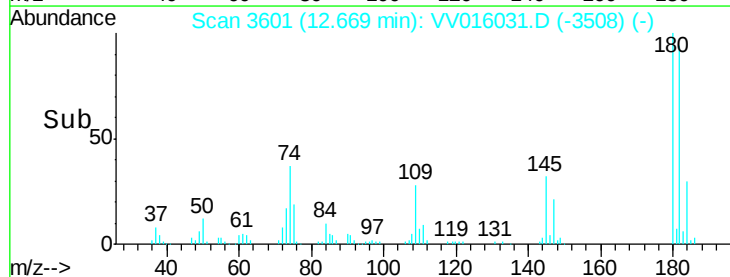
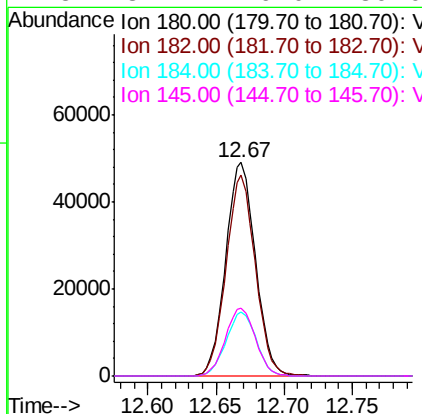
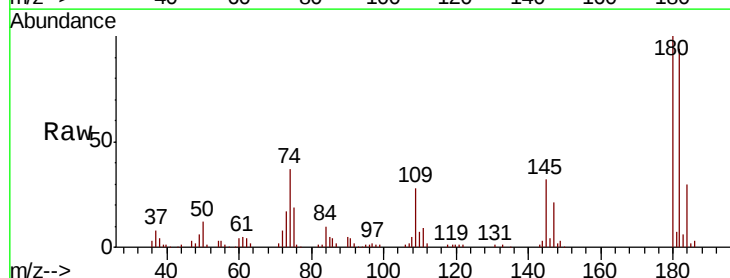
Instrument :
 MSVOA_V
 ClientSampleId :

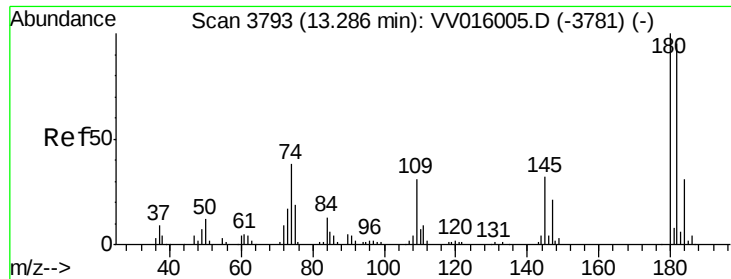
Tot Ion: 75 Resp: 6554
 Ion Ratio Lower Upper
 75 100
 155 70.8 58.2 87.4
 157 92.4 79.4 119.2



#68
 1,3,5-Trichlorobenzene
 Concen: 5.323 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016031.D
 Acq: 13 May 2020 10:57

Tgt Ion: 180 Resp: 74360
 Ion Ratio Lower Upper
 180 100
 182 92.5 75.8 113.6
 184 30.0 24.6 36.8
 145 32.2 26.0 39.0





#69

1,2,4-trichlorobenzene

Concen: 5.051 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.00 min

Lab File: VV016031.D

Acq: 13 May 2020 10:57

Instrument :

MSVOA_V

ClientSampleId :

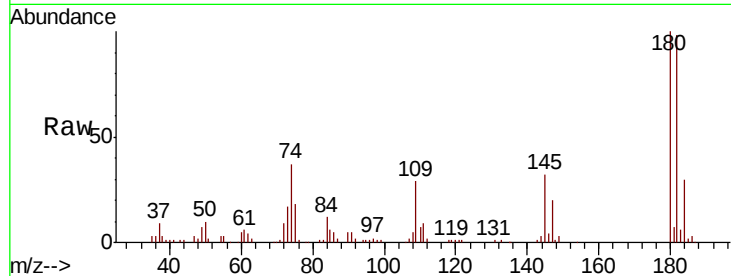
Tot Ion:180 Resp: 60626

Ion Ratio Lower Upper

180 100

182 97.8 76.7 115.1

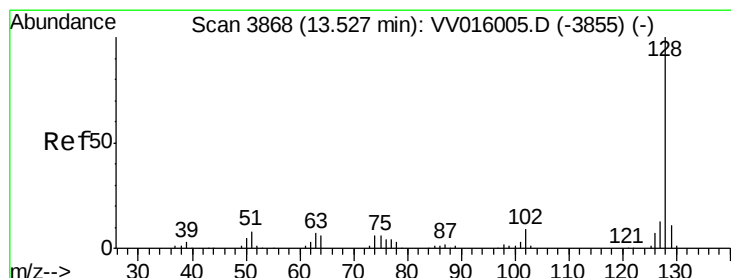
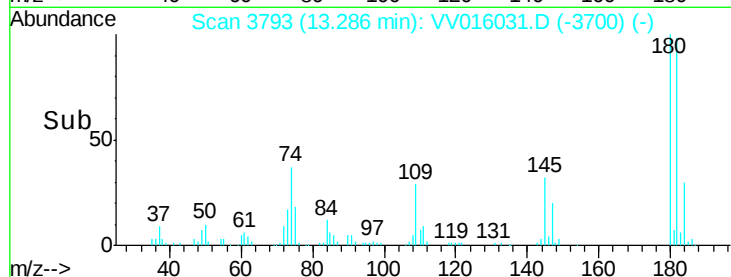
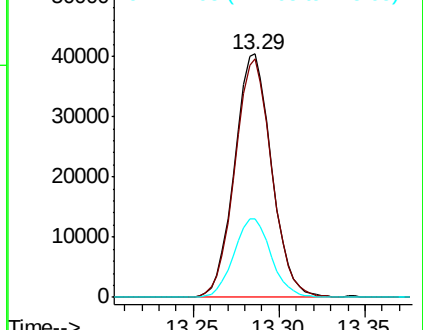
145 32.6 26.4 39.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V



#70

Naphthalene

Concen: 5.247 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016031.D

Acq: 13 May 2020 10:57

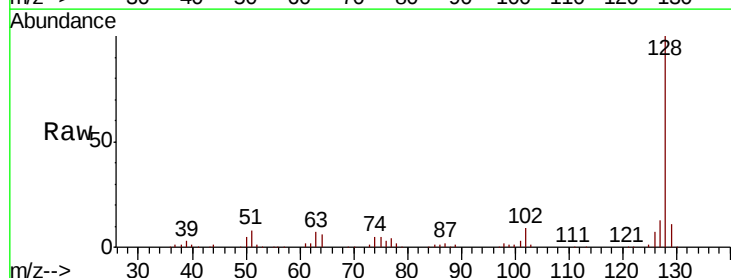
Tgt Ion:128 Resp: 100178

Ion Ratio Lower Upper

128 100

129 11.5 8.5 12.7

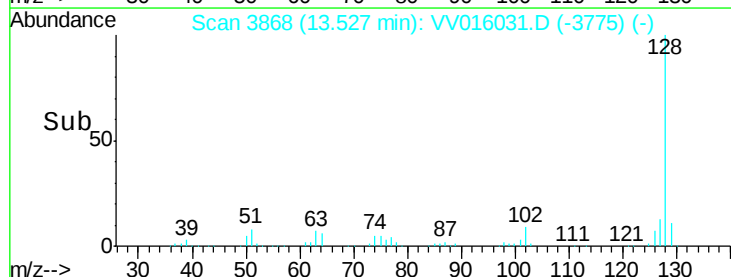
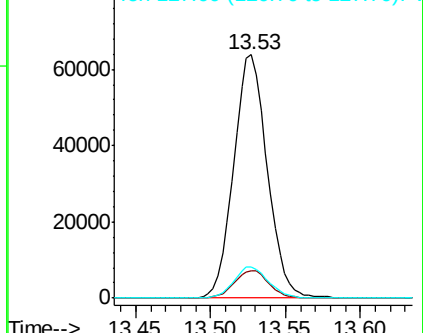
127 13.0 10.2 15.2

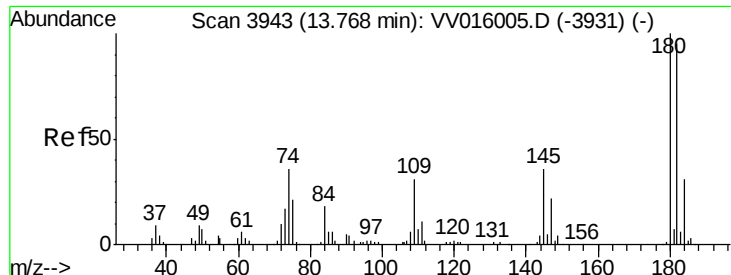


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

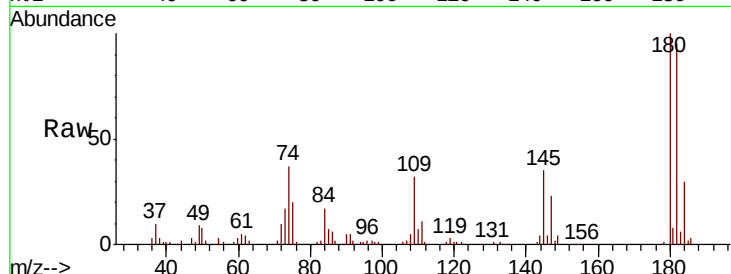




#71
 1,2,3-Trichlorobenzene
 Concen: 5.101 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV016031.D
 Acq: 13 May 2020 10:57

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.0	115.6
145	34.4	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

