

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051420\
 Data File : VV016080.D
 Acq On : 14 May 2020 20:27
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 15 06:32:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 15 06:27:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	157280	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	156316	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	79538	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	43538	5.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.00%
7) Chloroethane-d5	1.58	69	40892	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.20%
11) 1,1-Dichloroethene-d2	2.12	63	85962	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.80%
20) 2-Butanone-d5	3.96	46	131233	53.92	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.84%
24) Chloroform-d	4.38	84	82832	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
26) 1,2-Dichloroethane-d4	5.06	65	51890	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.08	84	180122	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.10	67	55031	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	7.34	98	168803	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
45) trans-1,3-Dichloropropene-	7.65	79	20301	4.56	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.20%
48) 2-Hexanone-d5	8.12	63	103204	52.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.44%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	41543	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	60167	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	48035	3.986	ug/L 99
3) Chloromethane	1.25	50	53372	4.374	ug/L 99
5) Vinyl chloride	1.32	62	50700	4.345	ug/L 97
6) Bromomethane	1.53	94	26769	4.043	ug/L 98
8) Chloroethane	1.60	64	31717	3.815	ug/L 95
9) Trichlorofluoromethane	1.77	101	69684	4.354	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	39189	4.335	ug/L 97
12) 1,1-Dichloroethene	2.13	96	36994	4.274	ug/L 95
13) Acetone	2.24	43	70311	43.792	ug/L 64
14) Carbon disulfide	2.31	76	119131	4.169	ug/L 100
15) Methyl Acetate	2.47	43	16530	4.455	ug/L 97
16) Methylene chloride	2.53	84	49950	4.823	ug/L 97
17) Methyl tert-butyl Ether	2.79	73	97778	4.347	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	42568	4.450	ug/L 99
19) 1,1-Dichloroethane	3.22	63	82935	4.502	ug/L 99
21) 2-Butanone	4.04	43	110913	45.360	ug/L 92
22) cis-1,2-Dichloroethene	3.94	96	43979	4.392	ug/L 99

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 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 15 06:32:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 15 06:27:04 2020
 Response via : Initial Calibration

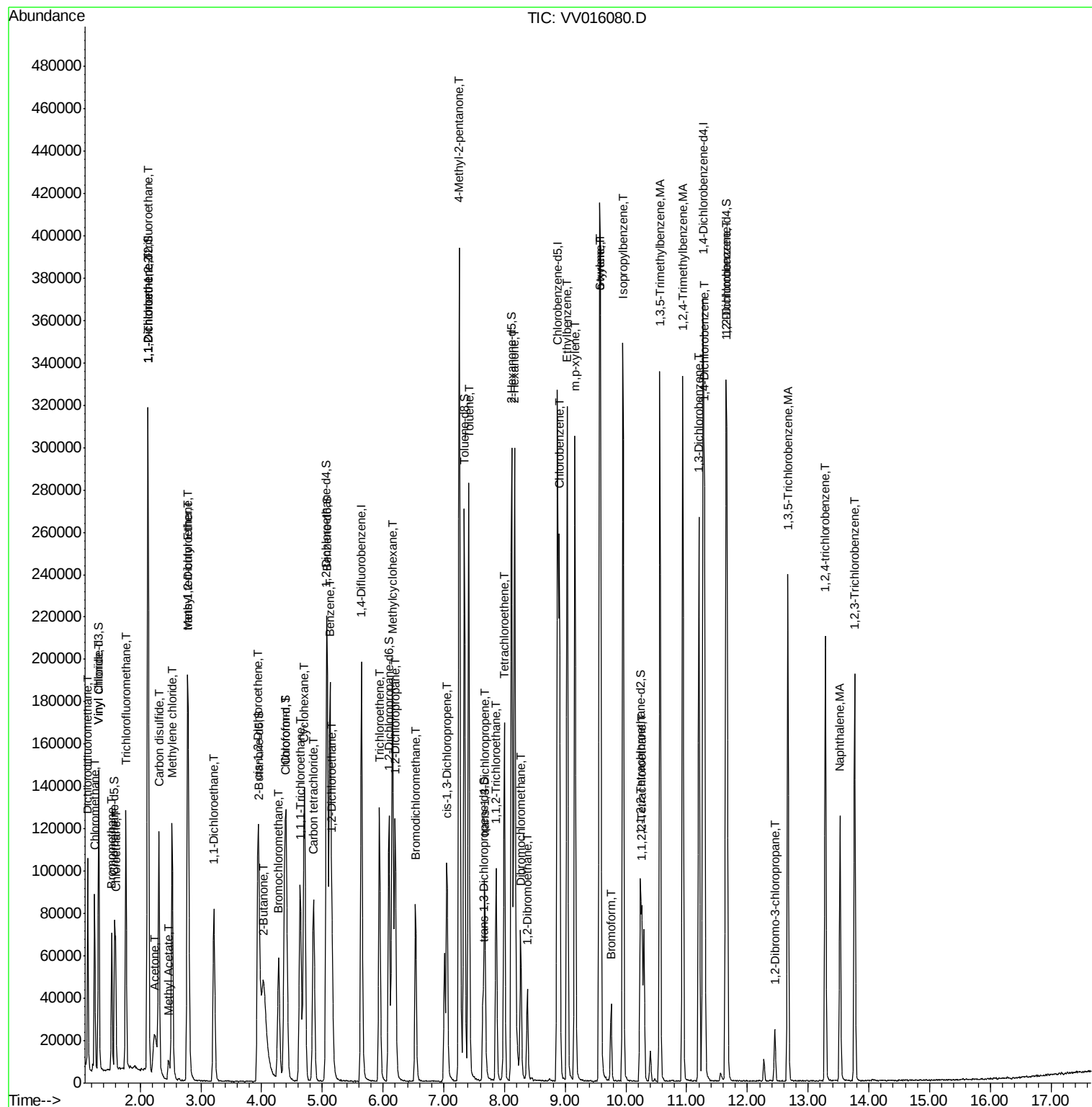
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	18772	4.392	ug/L	97
25) Chloroform	4.41	83	99012	4.880	ug/L	99
27) 1,2-Dichloroethane	5.16	62	55403	4.444	ug/L	99
29) 1,1,1-Trichloroethane	4.64	97	73608	4.270	ug/L	100
30) Cyclohexane	4.70	56	72537	4.199	ug/L	97
31) Carbon tetrachloride	4.86	117	63346	4.258	ug/L	99
33) Benzene	5.13	78	172581	4.388	ug/L	100
34) Trichloroethene	5.94	95	44920	4.002	ug/L	95
35) Methylcyclohexane	6.16	83	70460	4.150	ug/L	96
37) 1,2-Dichloropropane	6.20	63	44749	4.479	ug/L	99
38) Bromodichloromethane	6.53	83	54627	4.305	ug/L	96
39) cis-1,3-Dichloropropene	7.05	75	59211	4.193	ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	289100	46.422	ug/L	100
42) Toluene	7.41	91	192059	4.607	ug/L	97
43) 1,3,5-Trimethylbenzene	10.56	105	171692	4.487	ug/L #	100
44) 1,2,4-Trimethylbenzene	10.94	105	169401	4.430	ug/L #	100
46) trans-1,3-Dichloropropene	7.68	75	50535	4.236	ug/L	97
47) 1,1,2-Trichloroethane	7.86	97	29400	4.406	ug/L	99
49) Tetrachloroethene	8.00	164	34669	4.426	ug/L	98
50) 2-Hexanone	8.17	43	206503	46.889	ug/L	99
51) Dibromochloromethane	8.27	129	32370	4.317	ug/L	95
52) 1,2-Dibromoethane	8.38	107	27674	4.472	ug/L	97
53) Chlorobenzene	8.90	112	121790	4.543	ug/L	98
54) Ethylbenzene	9.04	91	212235	4.477	ug/L	99
55) m,p-xylene	9.16	106	79762	4.544	ug/L	98
56) o-xylene	9.57	106	78092	4.654	ug/L	96
57) Styrene	9.58	104	131828	4.697	ug/L	99
58) Isopropylbenzene	9.95	105	207868	4.509	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	35832	5.025	ug/L	96
62) Bromoform	9.76	173	15366	4.205	ug/L	96
63) 1,3-Dichlorobenzene	11.20	146	95899	4.475	ug/L	98
64) 1,4-Dichlorobenzene	11.30	146	96724	4.493	ug/L	100
66) 1,2-Dichlorobenzene	11.67	146	88059	4.540	ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.45	75	6106	4.824	ug/L	92
68) 1,3,5-Trichlorobenzene	12.67	180	66245	4.228	ug/L	99
69) 1,2,4-trichlorobenzene	13.28	180	55309	4.108	ug/L	100
70) Naphthalene	13.53	128	92759	4.332	ug/L	100
71) 1,2,3-Trichlorobenzene	13.77	180	52121	4.389	ug/L	98

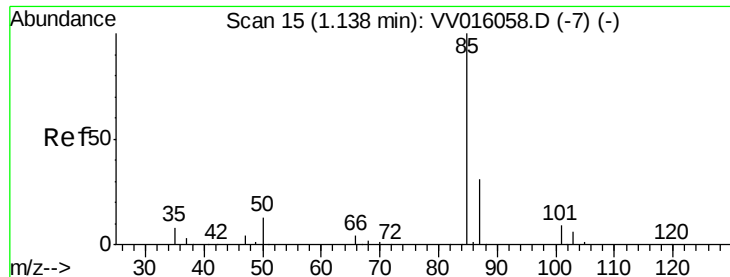
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VV016080.D
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Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: May 15 06:32:38 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 15 06:27:04 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 3.986 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV016080.D

Acq: 14 May 2020 20:27

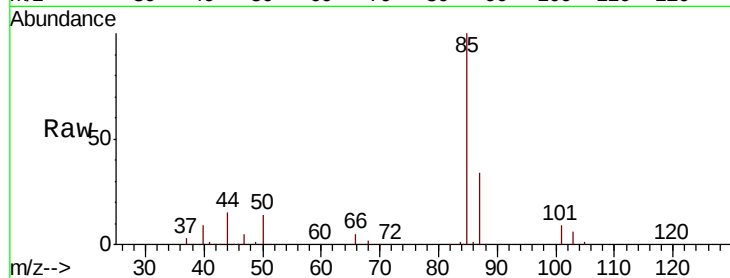
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 48035

Ion Ratio Lower Upper

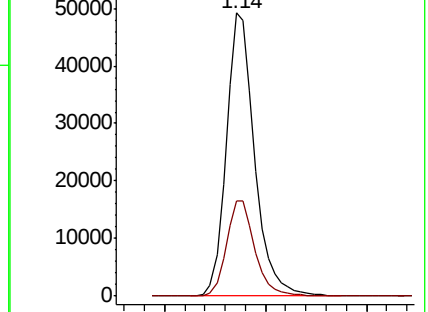
85 100

87 33.8 26.4 39.6

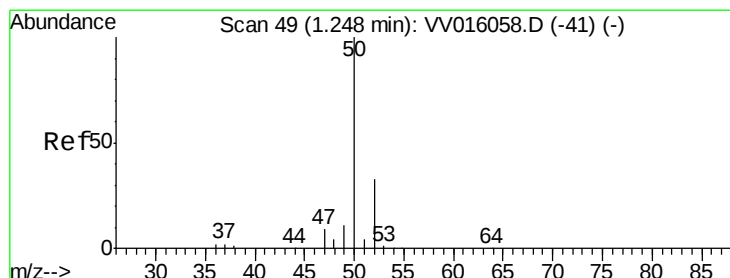
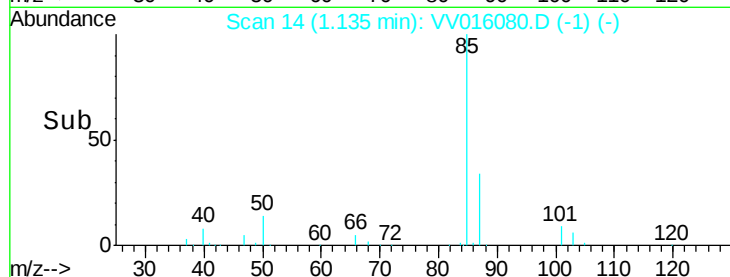


Abundance Ion 85.00 (84.70 to 85.70): VV016080.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV016080.D (-1) (-)



Time-->



#3

Chloromethane

Concen: 4.374 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV016080.D

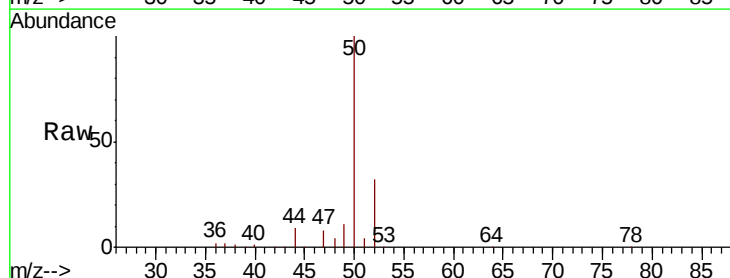
Acq: 14 May 2020 20:27

Tgt Ion: 50 Resp: 53372

Ion Ratio Lower Upper

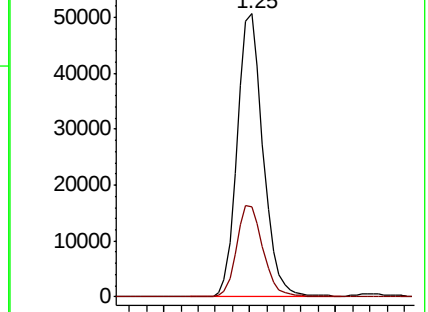
50 100

52 31.8 22.8 42.4

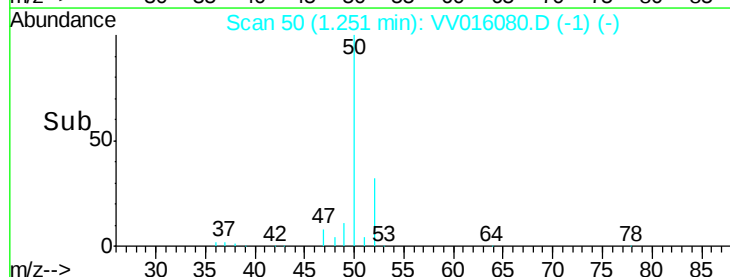


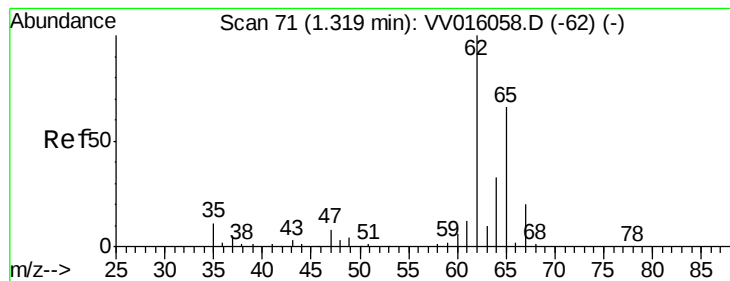
Abundance Ion 50.05 (49.75 to 50.75): VV016080.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV016080.D (-1) (-)



Time-->





#5

Vinyl chloride

Concen: 4.345 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016080.D

Acq: 14 May 2020 20:27

Instrument :

MSVOA_V

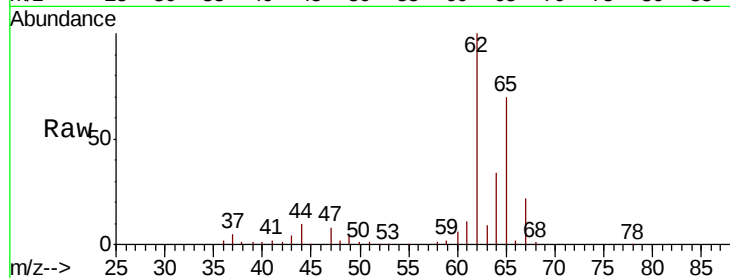
ClientSampled :

Tot Ion: 62 Resp: 50700

Ion Ratio Lower Upper

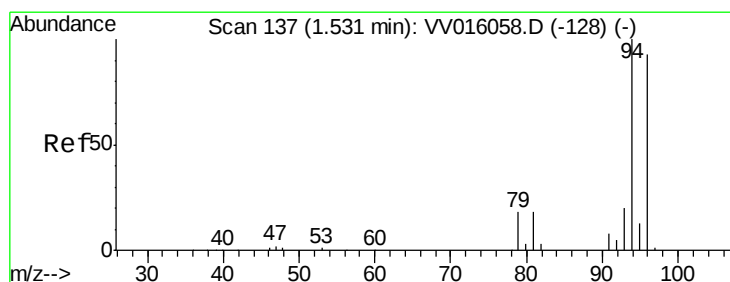
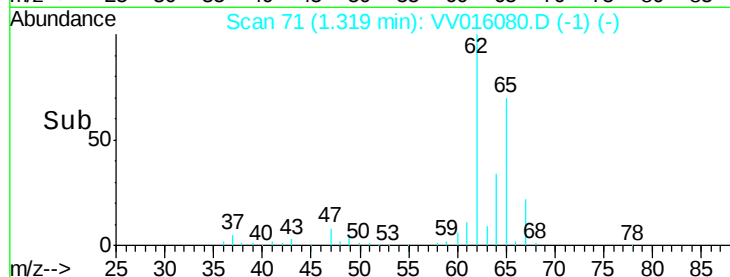
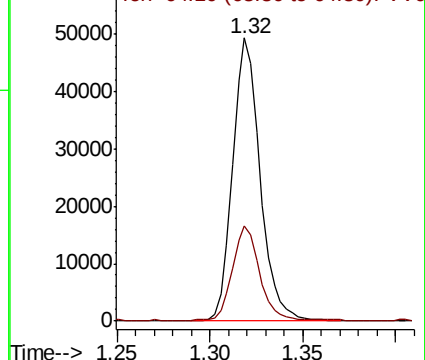
62 100

64 33.6 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: 4.043 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV016080.D

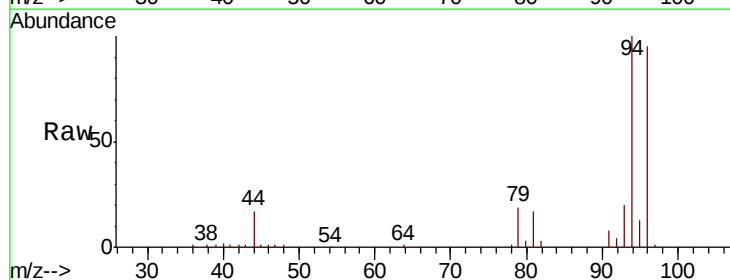
Acq: 14 May 2020 20:27

Tgt Ion: 94 Resp: 26769

Ion Ratio Lower Upper

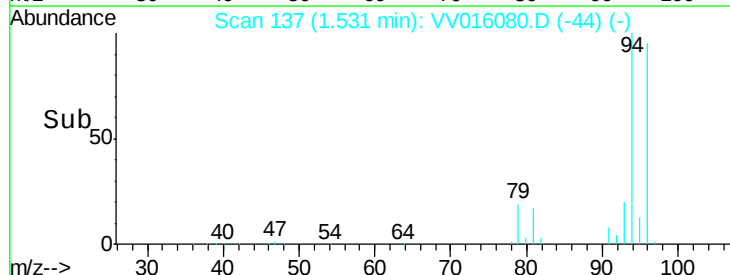
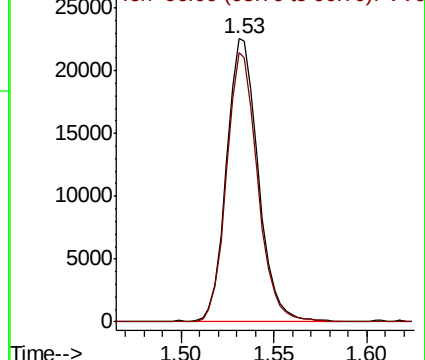
94 100

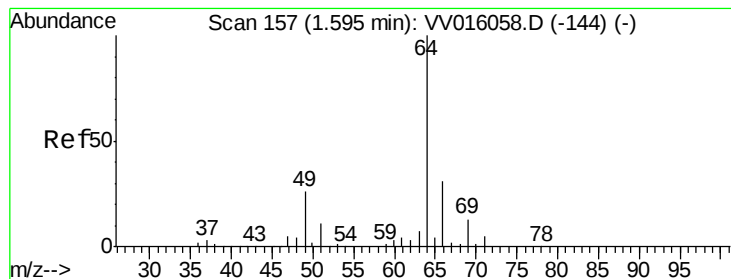
96 95.0 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 3.815 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV016080.D

Acq: 14 May 2020 20:27

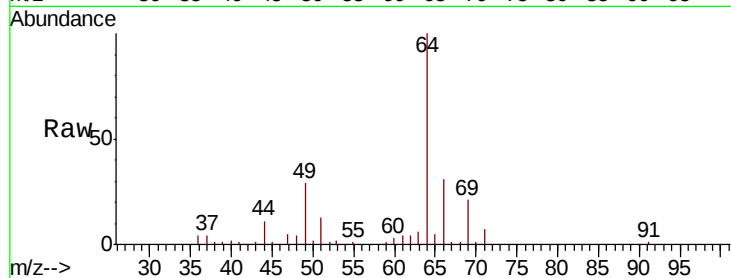
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 31717

Ion Ratio Lower Upper

64 100

66 30.6 23.6 43.8

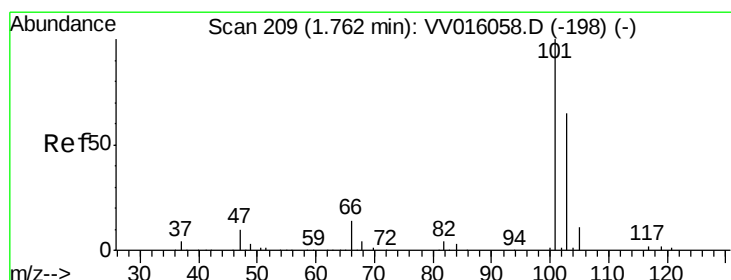
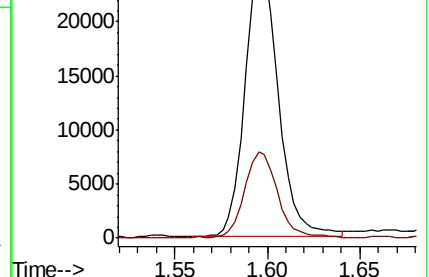
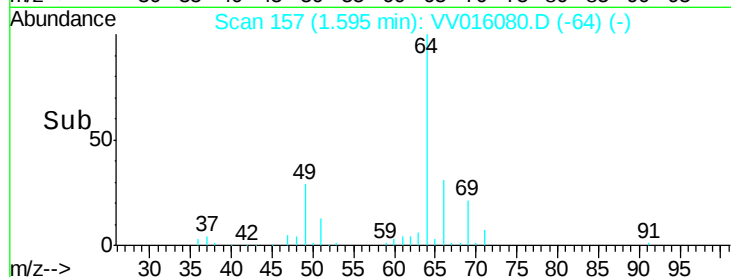


Abundance Ion 64.10 (63.80 to 64.80): VV016080.D (-64) (-)

Ion 66.05 (65.75 to 66.75): VV016080.D (-66) (-)

1.60

Time-->



#9

Trichlorofluoromethane

Concen: 4.354 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV016080.D

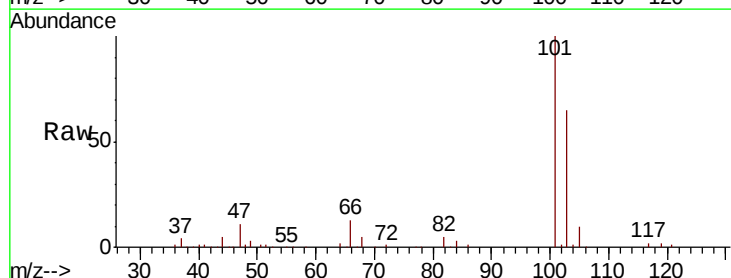
Acq: 14 May 2020 20:27

Tgt Ion: 101 Resp: 69684

Ion Ratio Lower Upper

101 100

103 64.5 51.4 77.2

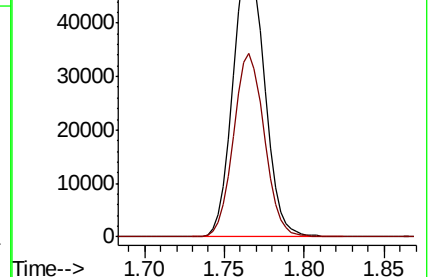
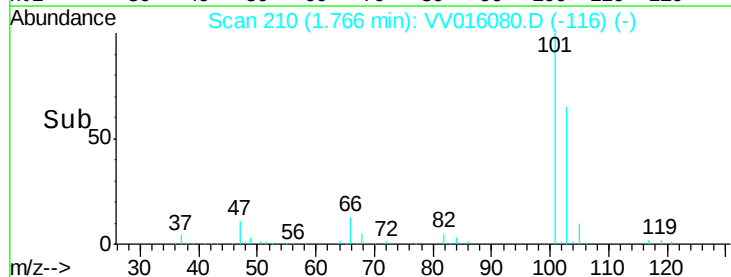


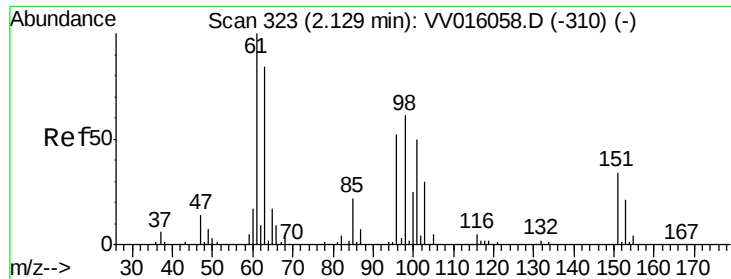
Abundance Ion 101.00 (100.70 to 101.70): VV016080.D (-116) (-)

Ion 103.00 (102.70 to 103.70): VV016080.D (-103) (-)

1.77

Time-->





#10

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

Concen: 4.335 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV016080.D

Acq: 14 May 2020 20:27

Instrument :

MSVOA_V

ClientSampled :

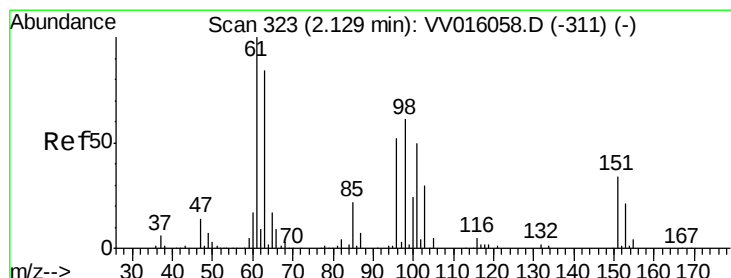
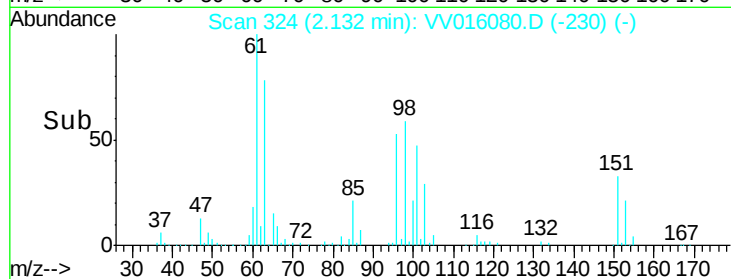
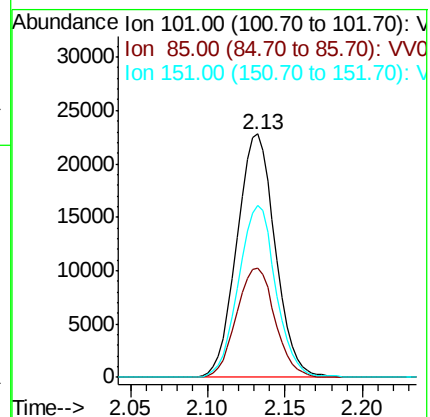
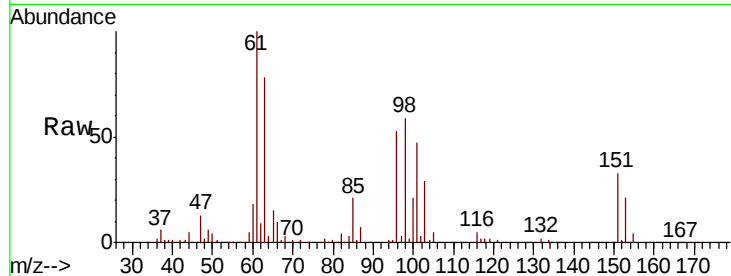
Tot Ion:101 Resp: 39189

Ion Ratio Lower Upper

101 100

85 45.1 35.7 53.5

151 68.9 58.0 87.0



#12

1,1-Dichloroethene

Concen: 4.274 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV016080.D

Acq: 14 May 2020 20:27

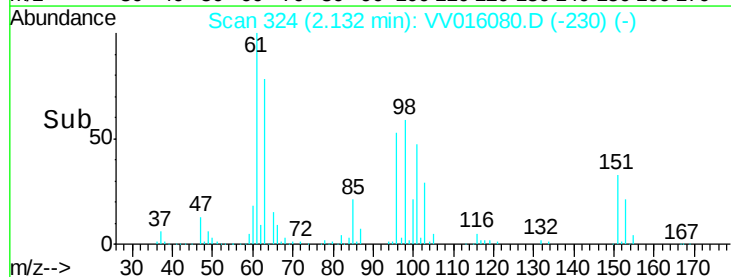
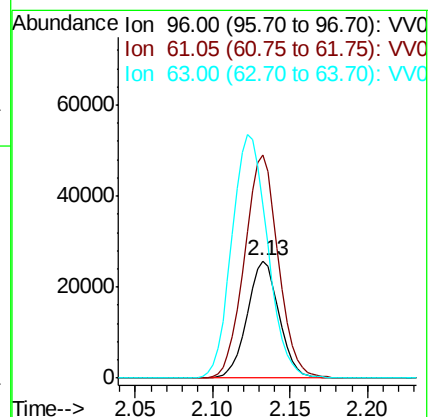
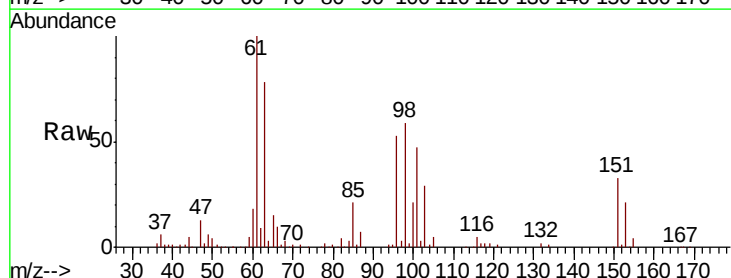
Tgt Ion: 96 Resp: 36994

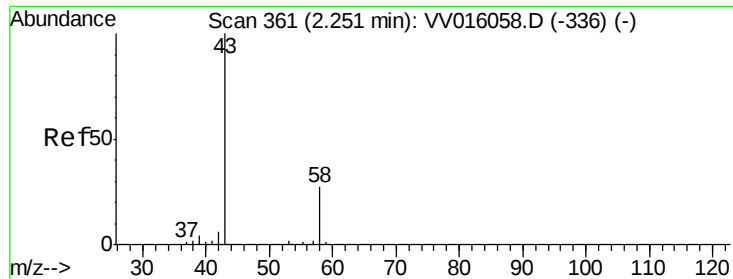
Ion Ratio Lower Upper

96 100

61 190.0 139.9 259.7

63 148.0 106.4 197.6





#13

Acetone

Concen: 43.792 ug/L

RT: 2.24 min Scan# 356

Delta R.T. -0.02 min

Lab File: VV016080.D

Acq: 14 May 2020 20:27

Instrument :

MSVOA_V

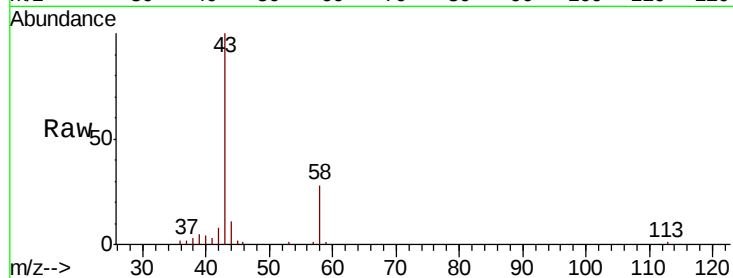
ClientSampled :

Tot Ion: 43 Resp: 70311

Ion Ratio Lower Upper

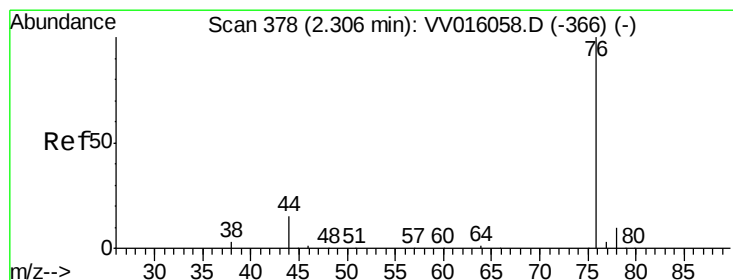
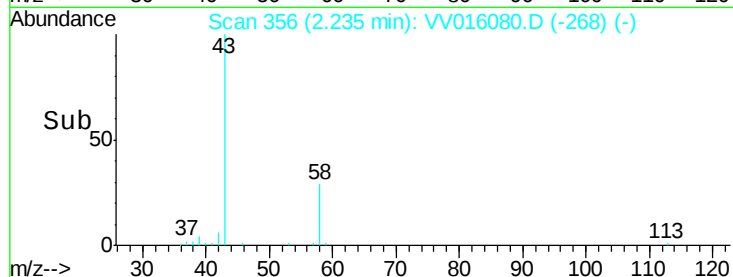
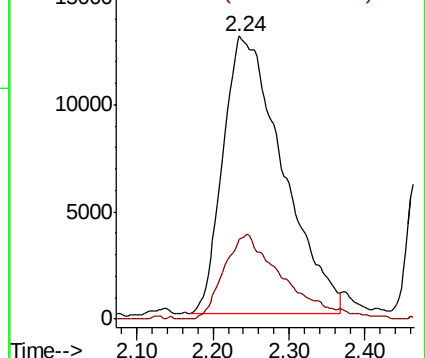
43 100

58 30.5 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 4.169 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV016080.D

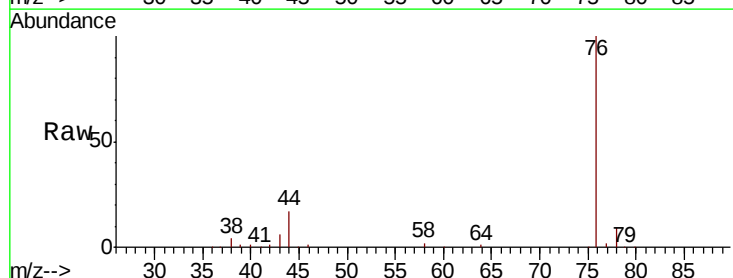
Acq: 14 May 2020 20:27

Tgt Ion: 76 Resp: 119131

Ion Ratio Lower Upper

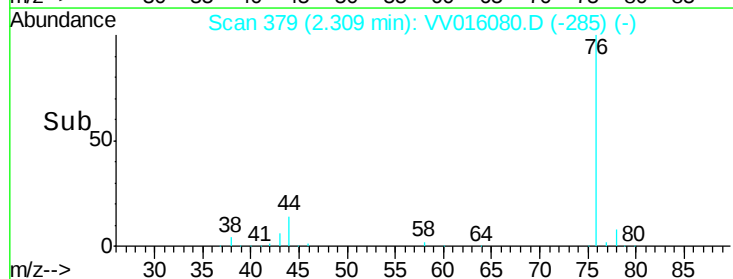
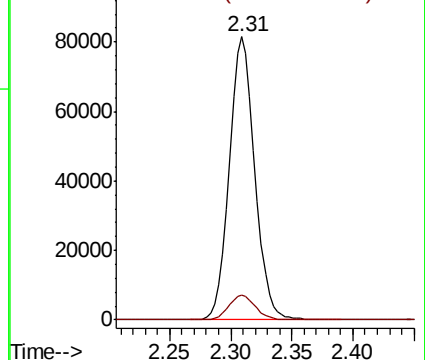
76 100

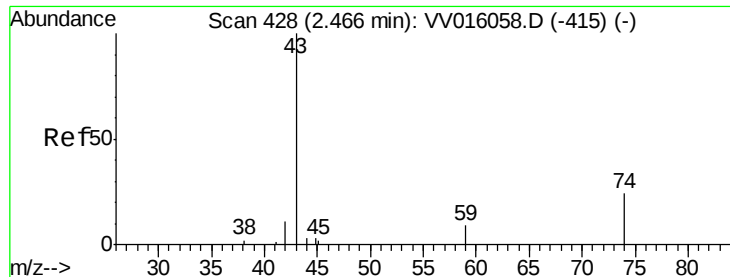
78 8.7 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

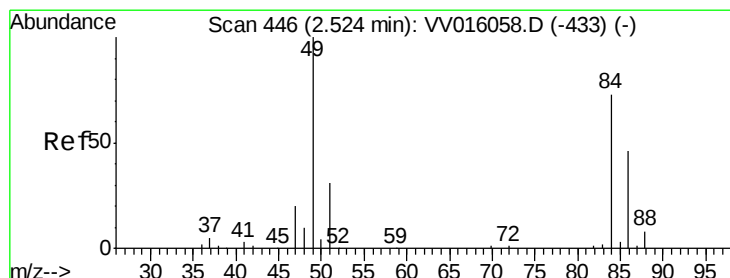
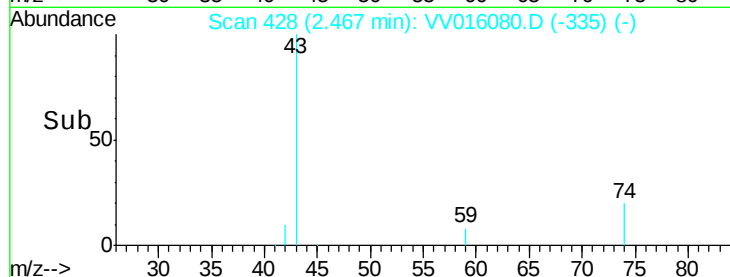
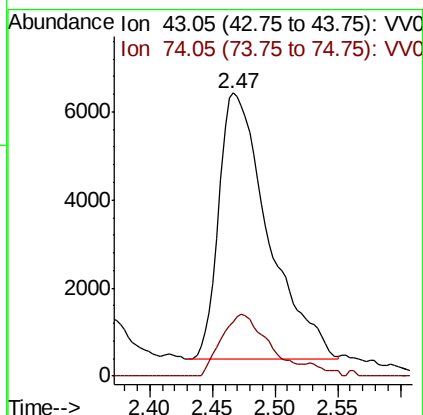
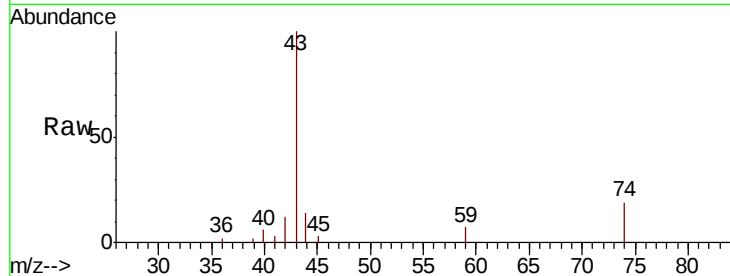




#15
Methvl Acetate
Concen: 4.455 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV016080.D
Acq: 14 May 2020 20:27

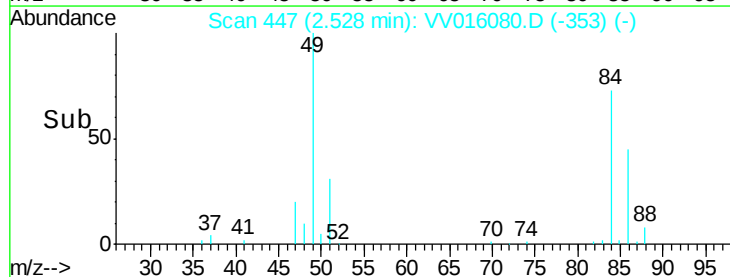
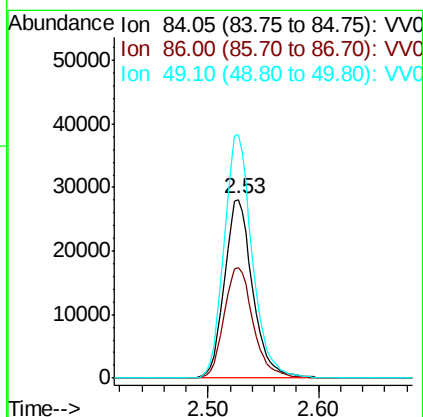
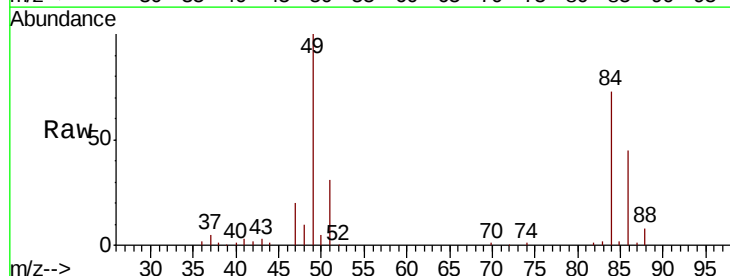
Instrument :
MSVOA_V
ClientSampleId :

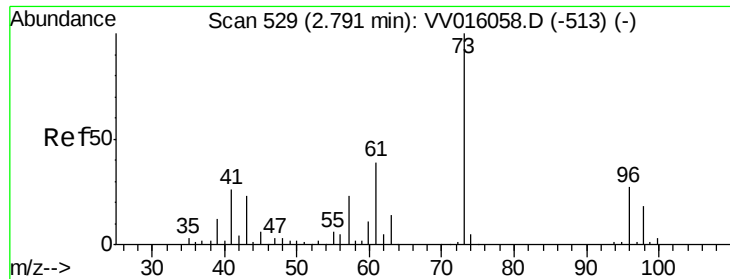
Tot Ion: 43 Resp: 16530
Ion Ratio Lower Upper
43 100
74 22.3 19.2 28.8



#16
Methylene chloride
Concen: 4.823 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV016080.D
Acq: 14 May 2020 20:27

Tgt Ion: 84 Resp: 49950
Ion Ratio Lower Upper
84 100
86 61.7 45.6 84.8
49 136.4 93.6 173.8

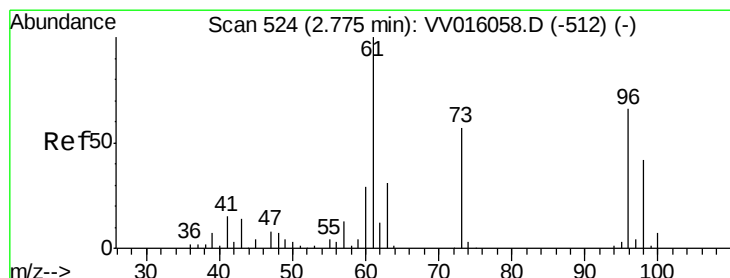
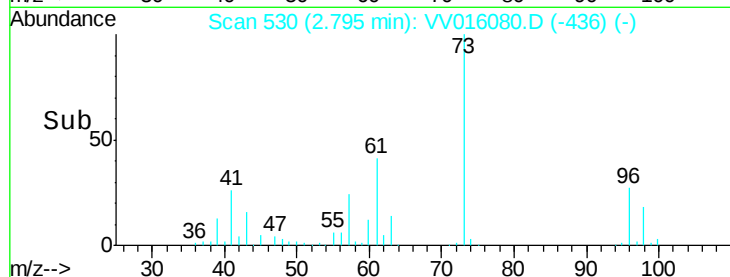
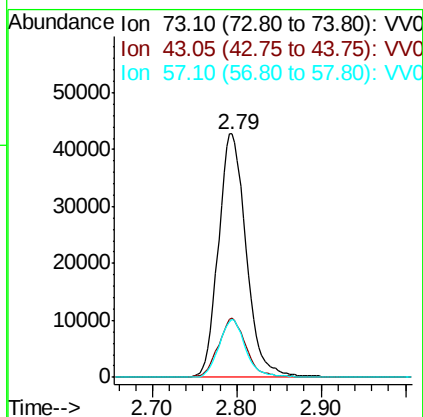
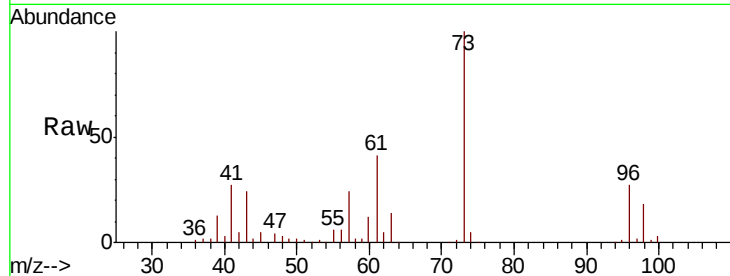




#17
Methvl tert-butvl Ether
Concen: 4.347 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV016080.D
Acq: 14 May 2020 20:27

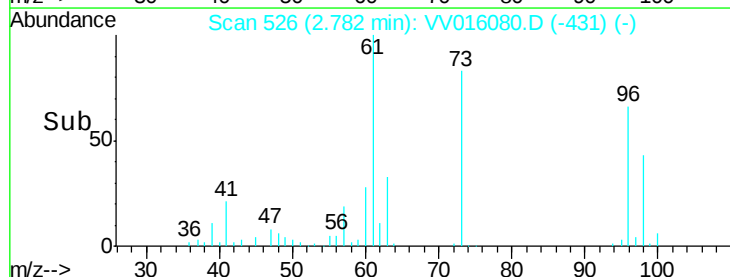
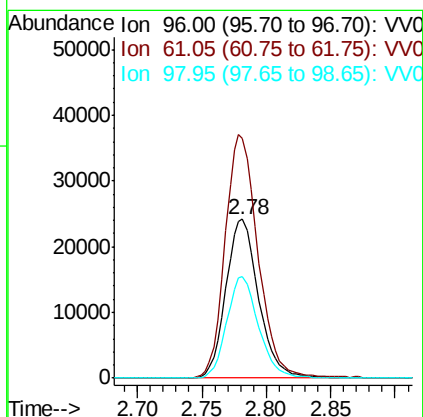
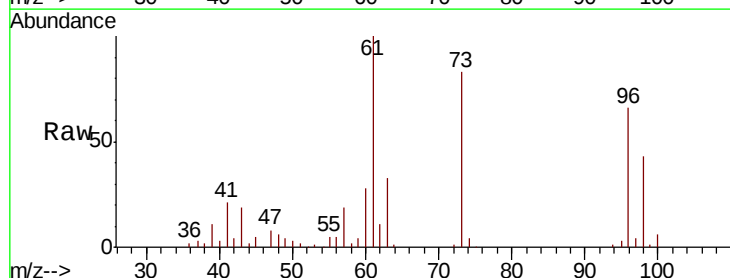
Instrument :
MSVOA_V
ClientSampled :

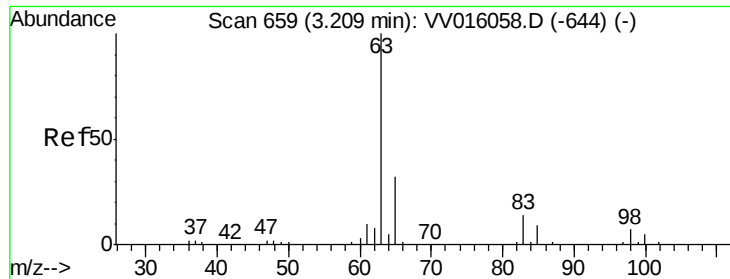
Tot Ion: 73 Resp: 97778
Ion Ratio Lower Upper
73 100
43 24.2 18.8 28.2
57 22.7 17.8 26.6



#18
trans-1,2-Dichloroethene
Concen: 4.450 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.01 min
Lab File: VV016080.D
Acq: 14 May 2020 20:27

Tgt Ion: 96 Resp: 42568
Ion Ratio Lower Upper
96 100
61 150.5 105.3 195.5
98 64.1 44.0 81.6

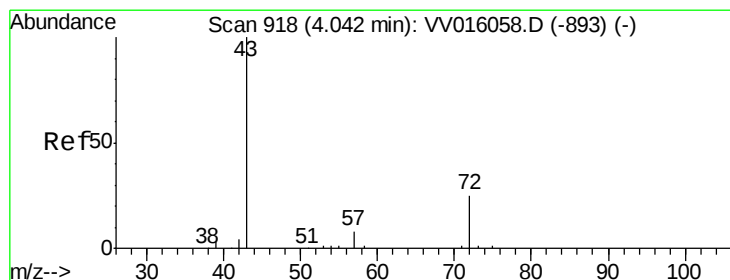
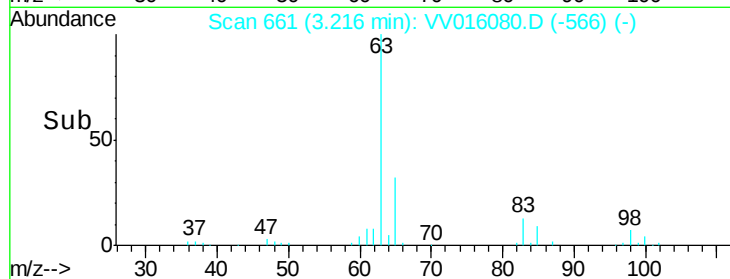
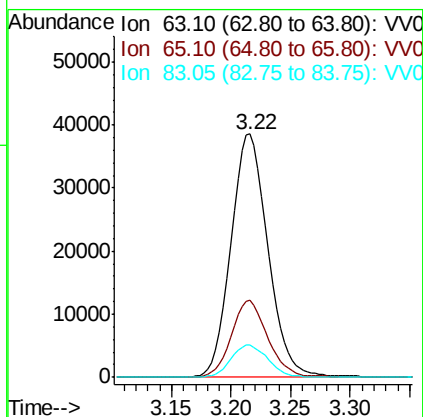
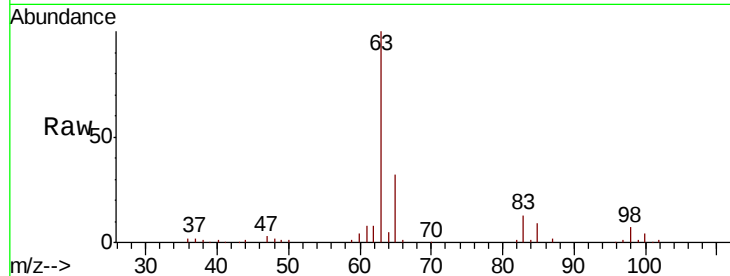




#19
 1,1-Dichloroethane
 Concen: 4.502 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: VV016080.D
 Acq: 14 May 2020 20:27

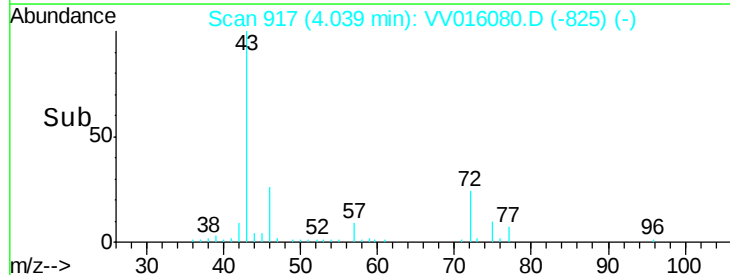
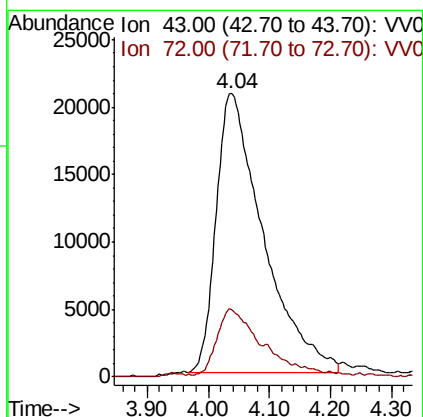
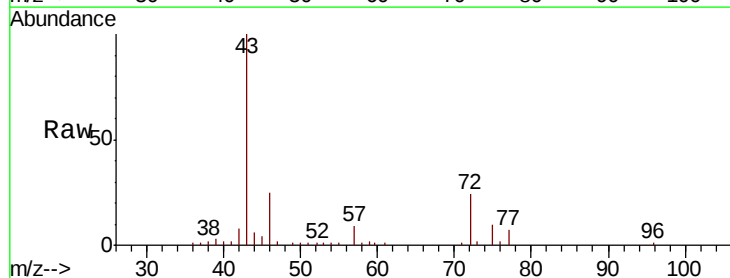
Instrument :
 MSVOA_V
 ClientSampled :

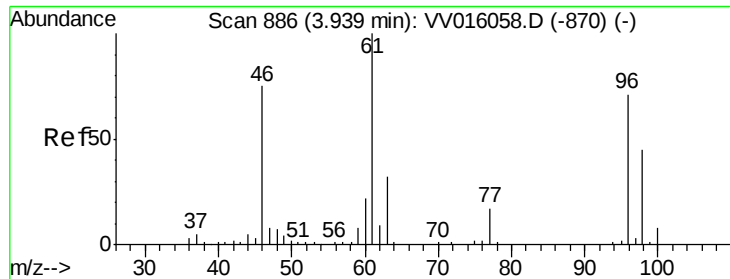
Tot Ion: 63 Resp: 82935
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.0 41.0
 83 13.4 9.8 18.2



#21
 2-Butanone
 Concen: 45.360 ug/L
 RT: 4.04 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: VV016080.D
 Acq: 14 May 2020 20:27

Tgt Ion: 43 Resp: 110913
 Ion Ratio Lower Upper
 43 100
 72 17.2 10.5 31.5



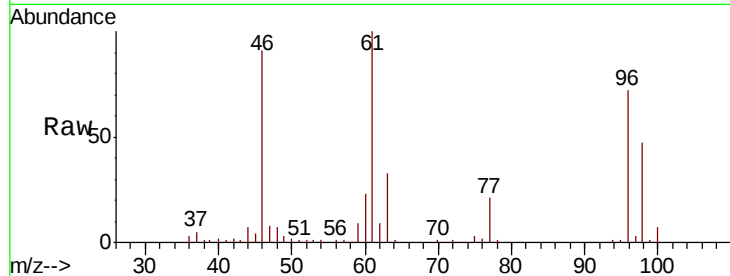


#22

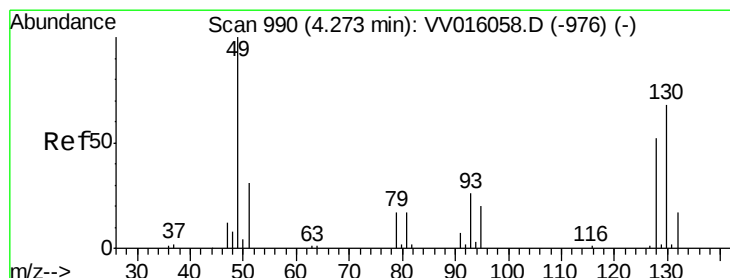
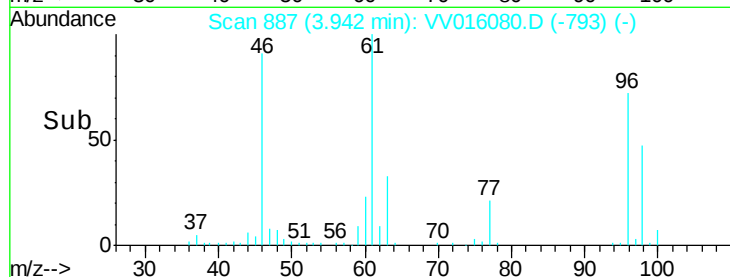
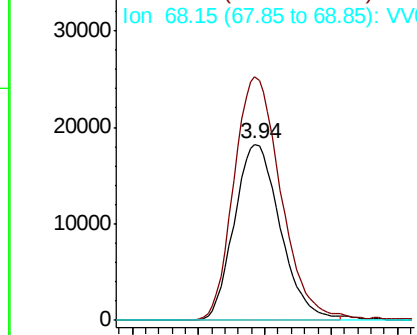
cis-1,2-Dichloroethene
Concen: 4.392 ug/L
RT: 3.94 min Scan# 887
Delta R.T. 0.00 min
Lab File: VV016080.D
Acq: 14 May 2020 20:27

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 43979
Ion Ratio Lower Upper
96 100
61 138.3 97.2 180.6
68 0.0 0.0 0.0



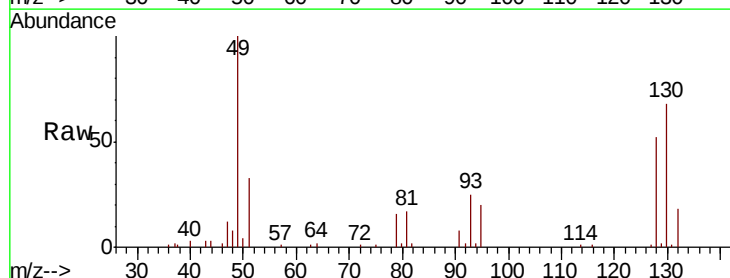
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



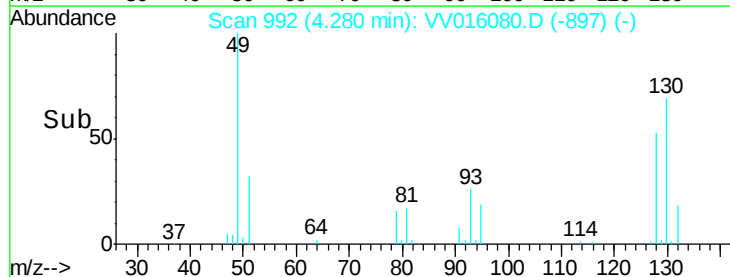
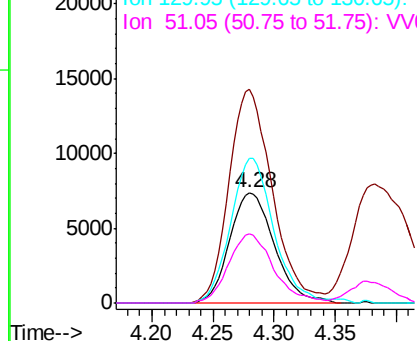
#23

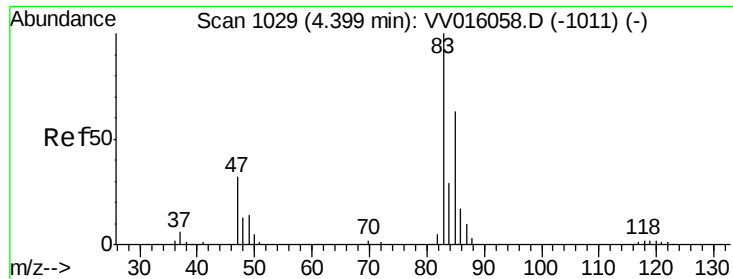
Bromochloromethane
Concen: 4.392 ug/L
RT: 4.28 min Scan# 992
Delta R.T. 0.01 min
Lab File: VV016080.D
Acq: 14 May 2020 20:27

Tgt Ion: 128 Resp: 18772
Ion Ratio Lower Upper
128 100
49 193.8 131.3 243.8
130 131.1 91.8 170.4
51 63.1 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

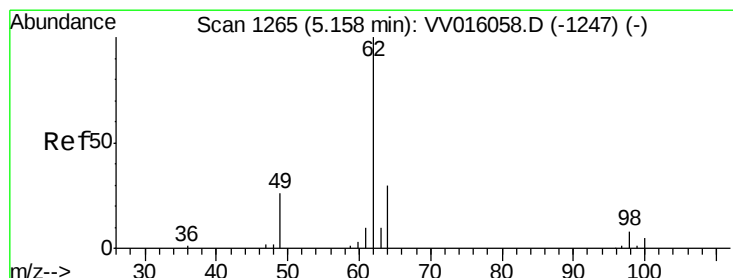
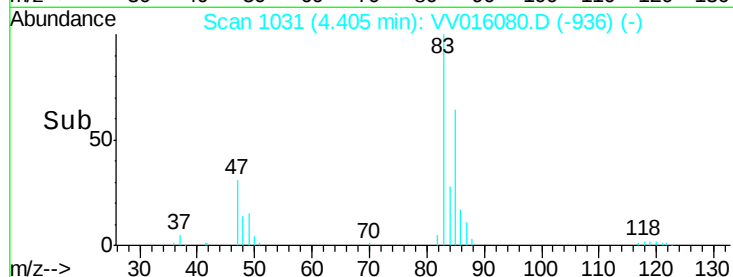
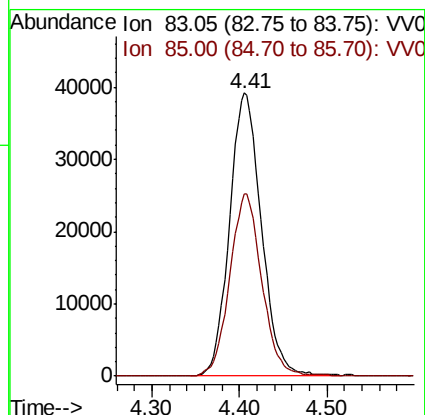
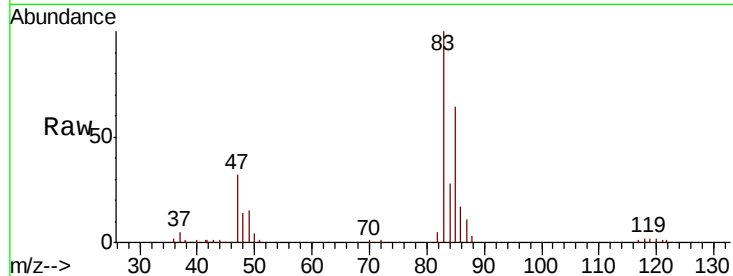




#25
Chloroform
Concen: 4.880 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV016080.D
Acq: 14 May 2020 20:27

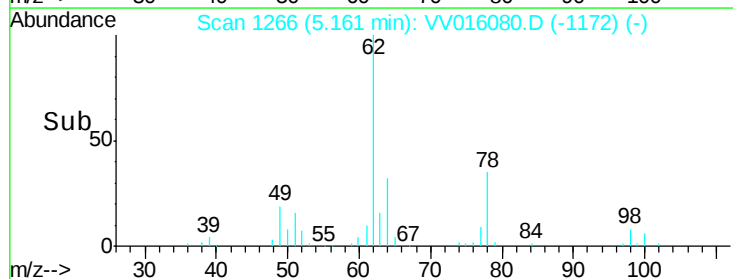
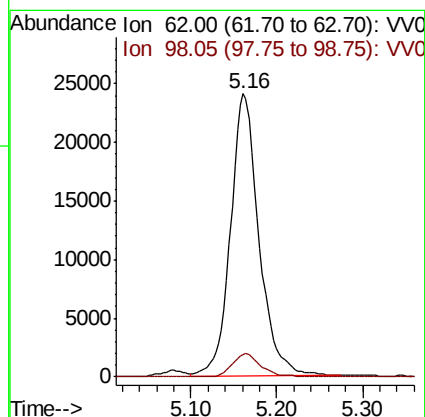
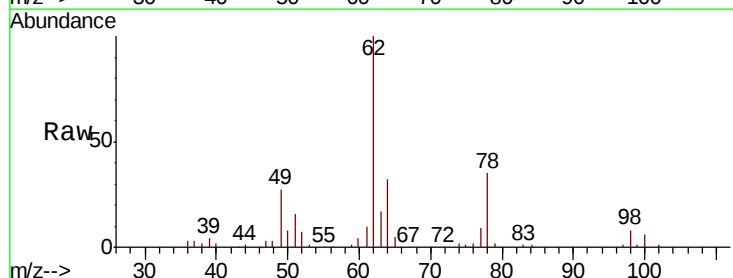
Instrument :
MSVOA_V
ClientSampleId :

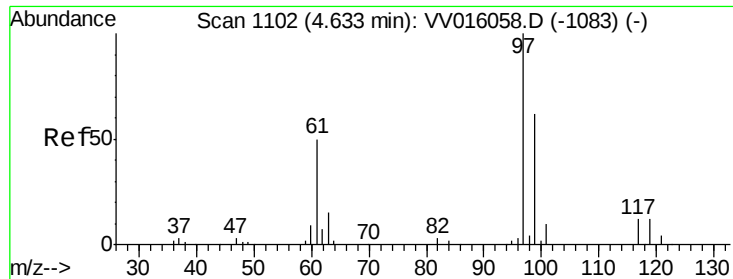
Tot Ion: 83 Resp: 99012
Ion Ratio Lower Upper
83 100
85 64.4 45.7 84.9



#27
1,2-Dichloroethane
Concen: 4.444 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV016080.D
Acq: 14 May 2020 20:27

Tgt Ion: 62 Resp: 55403
Ion Ratio Lower Upper
62 100
98 8.0 6.7 10.1

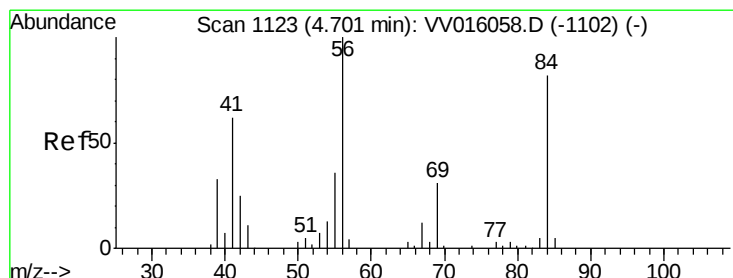
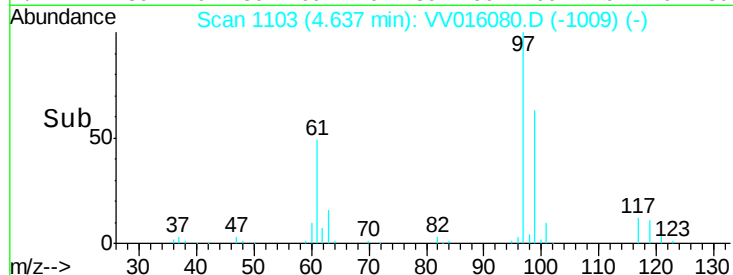
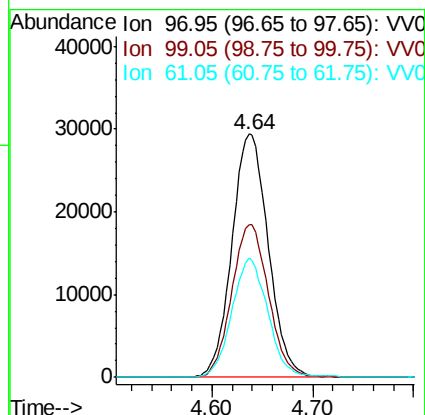
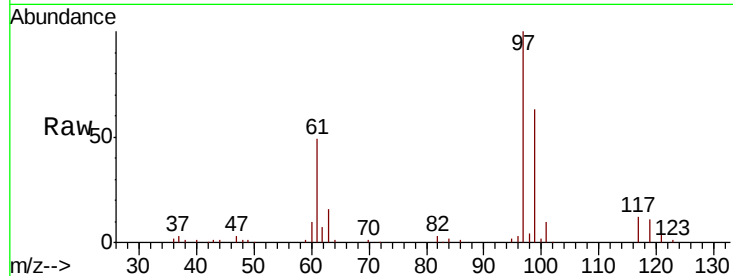




#29
 1,1,1-Trichloroethane
 Concen: 4.270 ug/L
 RT: 4.64 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VV016080.D
 Acq: 14 May 2020 20:27

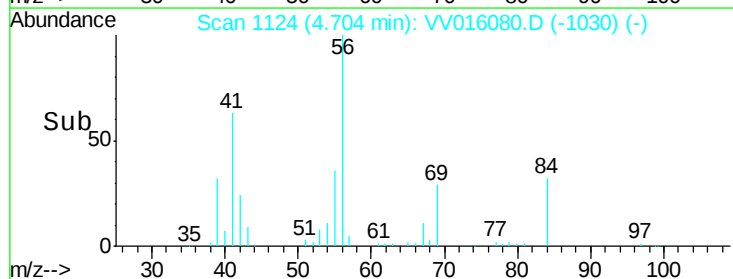
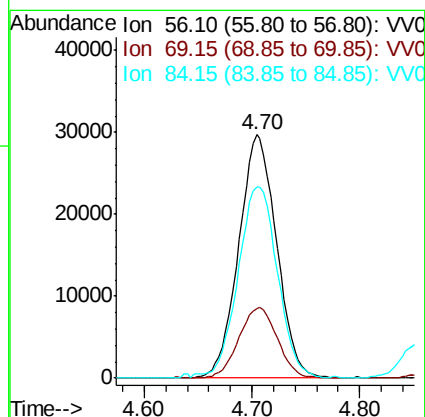
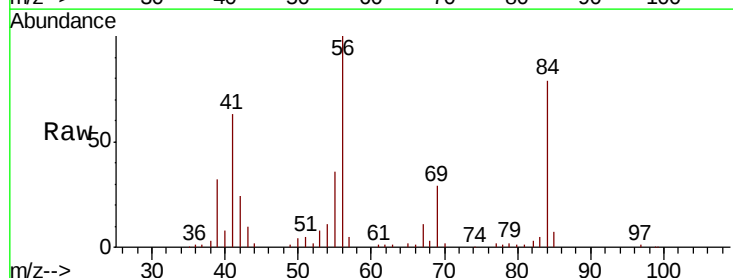
Instrument :
 MSVOA_V
 ClientSampleId :

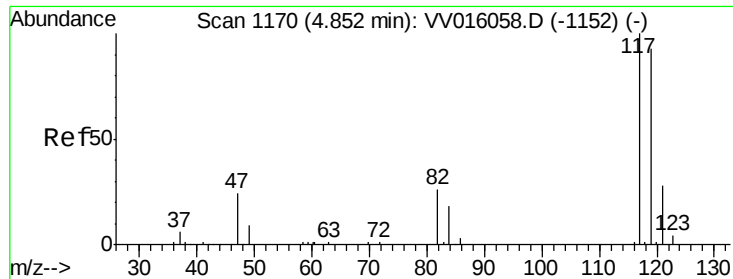
Tot Ion: 97 Resp: 73608
 Ion Ratio Lower Upper
 97 100
 99 63.5 50.7 76.1
 61 48.4 38.8 58.2



#30
 Cyclohexane
 Concen: 4.199 ug/L
 RT: 4.70 min Scan# 1124
 Delta R.T. 0.00 min
 Lab File: VV016080.D
 Acq: 14 May 2020 20:27

Tgt Ion: 56 Resp: 72537
 Ion Ratio Lower Upper
 56 100
 69 29.4 24.2 36.2
 84 82.2 68.3 102.5





#31

Carbon tetrachloride

Concen: 4.258 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV016080.D

Acq: 14 May 2020 20:27

Instrument :

MSVOA_V

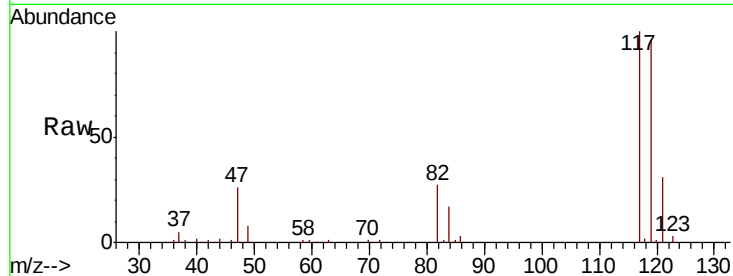
ClientSampled :

Tot Ion:117 Resp: 63346

Ion Ratio Lower Upper

117 100

119 95.8 77.3 115.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.86

25000

20000

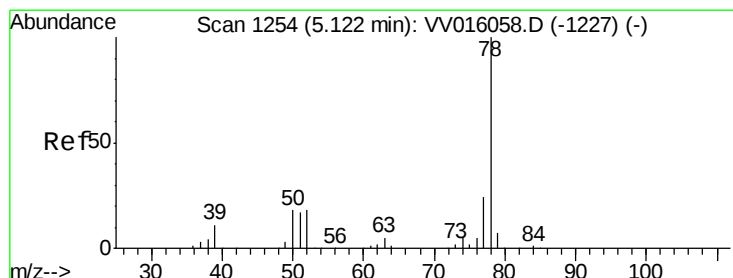
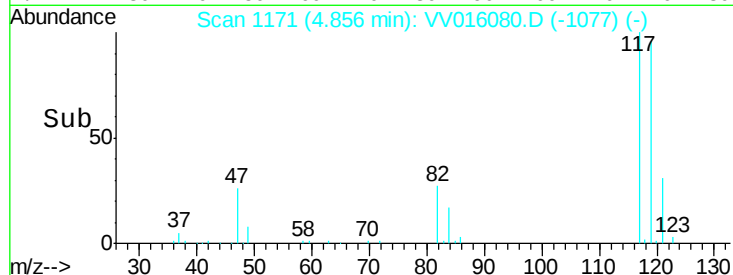
15000

10000

5000

0

Time-->



#33

Benzene

Concen: 4.388 ug/L

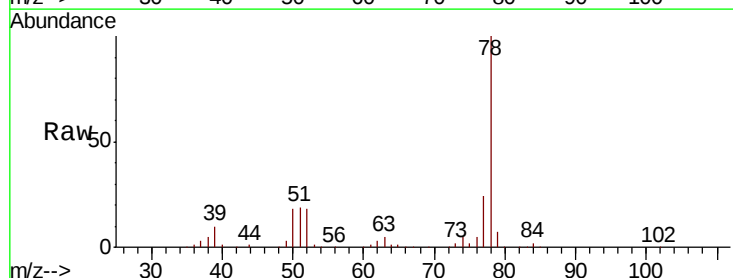
RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VV016080.D

Acq: 14 May 2020 20:27

Tgt Ion: 78 Resp: 172581



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.13

80000

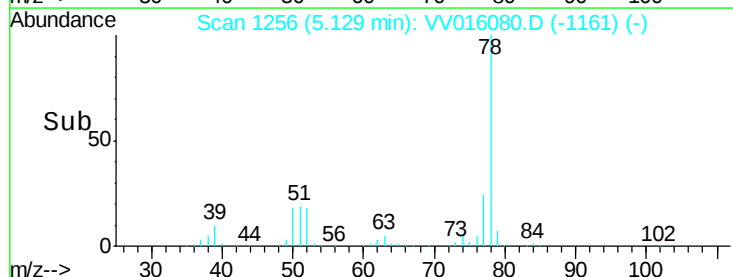
60000

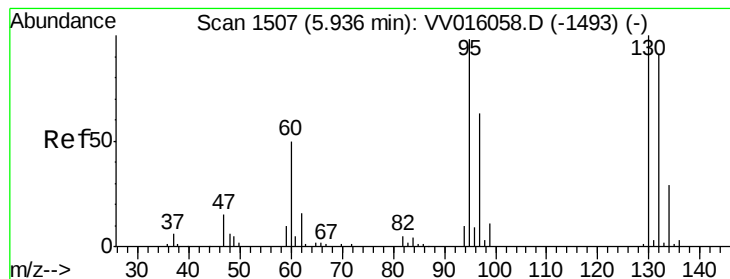
40000

20000

0

Time-->





#34

Trichloroethene

Concen: 4.002 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016080.D

Acq: 14 May 2020 20:27

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 44920

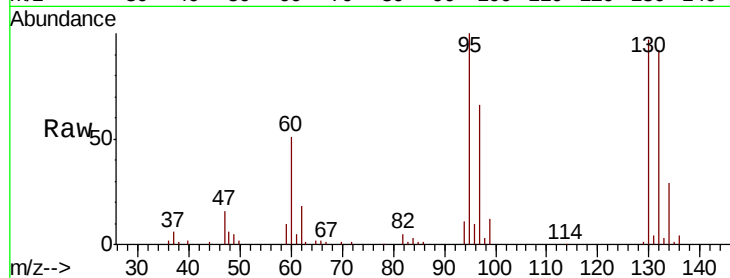
Ion Ratio Lower Upper

95 100

97 66.1 43.3 80.5

132 92.2 60.3 112.1

130 96.9 66.0 122.6

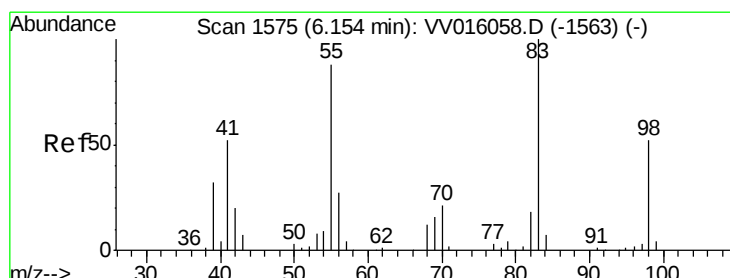
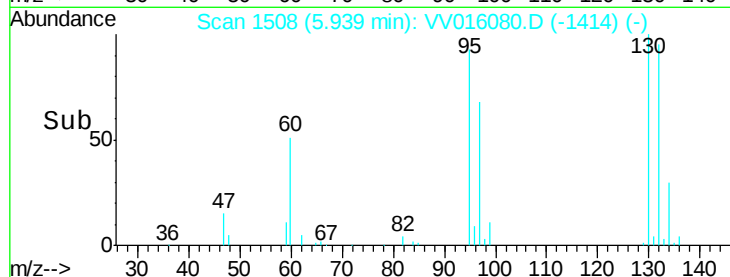
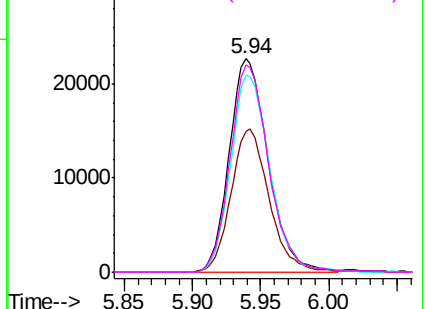


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.150 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV016080.D

Acq: 14 May 2020 20:27

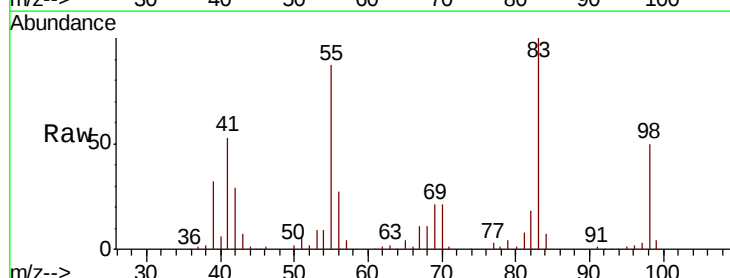
Tgt Ion: 83 Resp: 70460

Ion Ratio Lower Upper

83 100

55 86.8 66.2 99.2

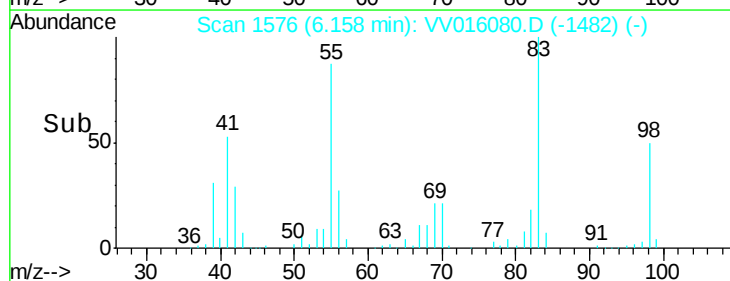
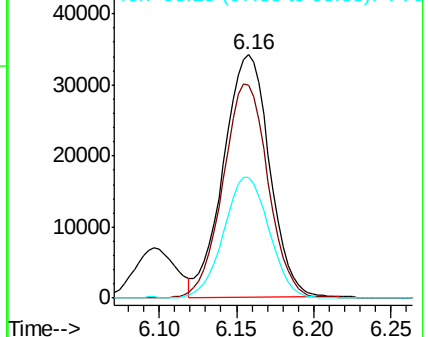
98 49.3 37.9 56.9

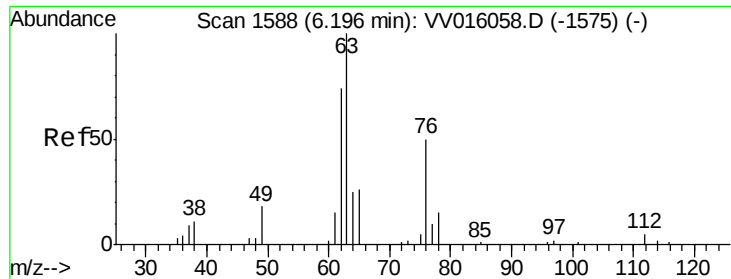


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

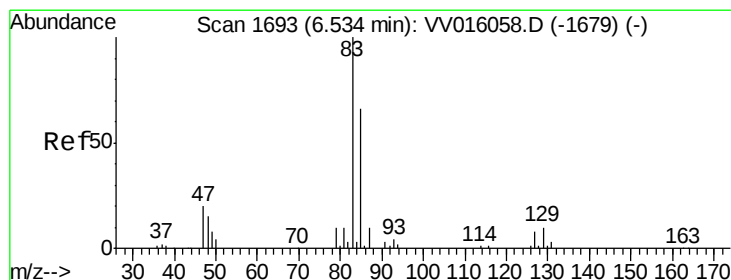
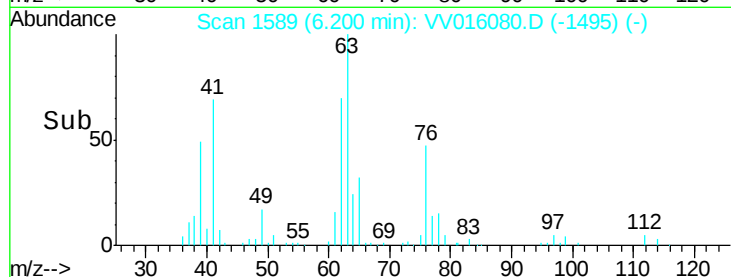
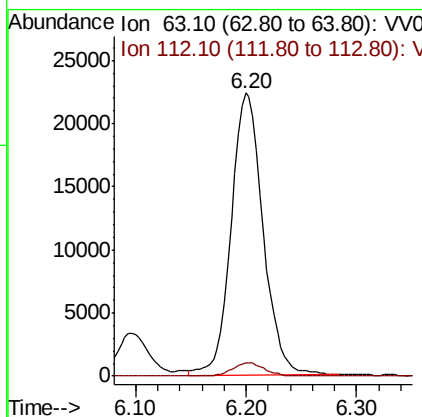
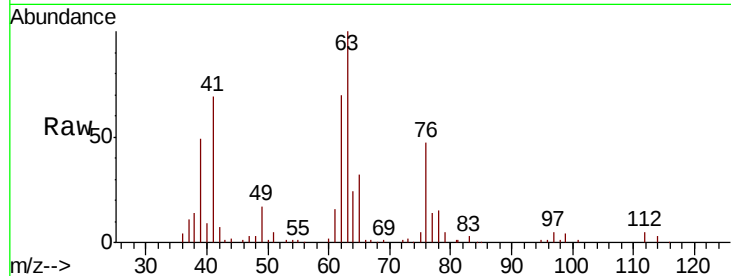




#37
 1,2-Dichloropropane
 Concen: 4.479 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV016080.D
 Acq: 14 May 2020 20:27

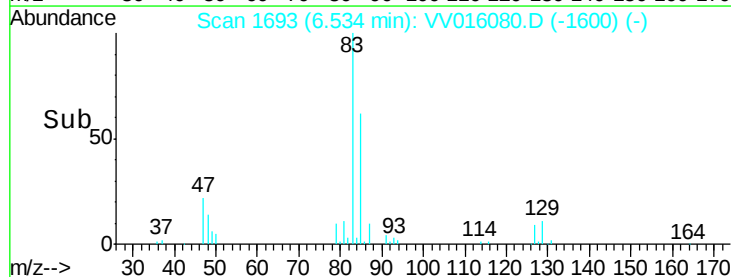
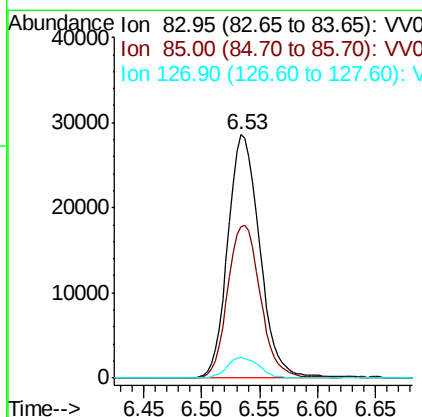
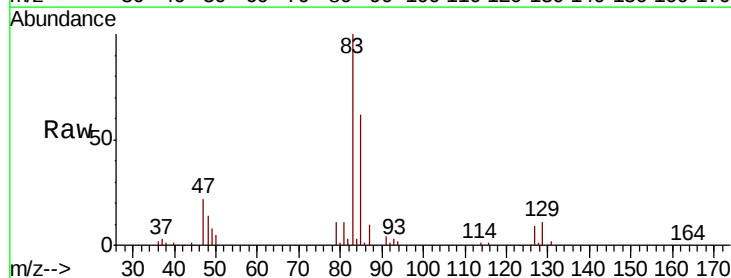
Instrument :
 MSVOA_V
 ClientSampled :

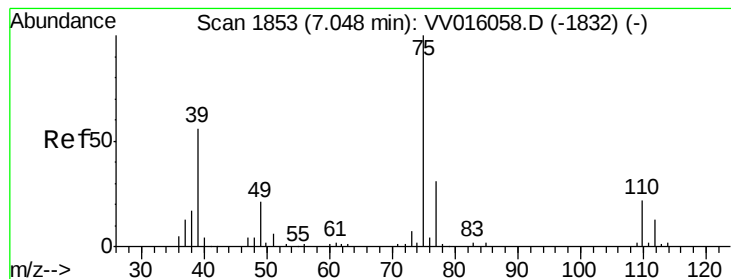
Tot Ion: 63 Resp: 44749
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.4 5.0



#38
 Bromodichloromethane
 Concen: 4.305 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV016080.D
 Acq: 14 May 2020 20:27

Tgt Ion: 83 Resp: 54627
 Ion Ratio Lower Upper
 83 100
 85 62.1 45.5 84.5
 127 8.6 6.2 9.4



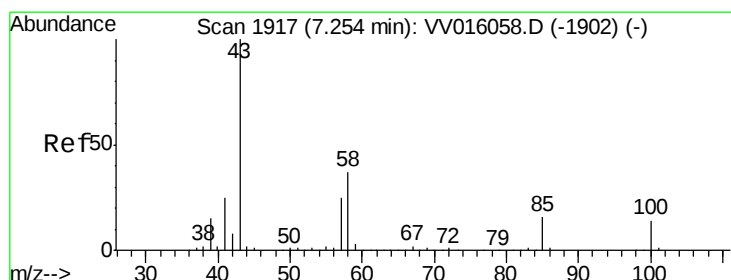
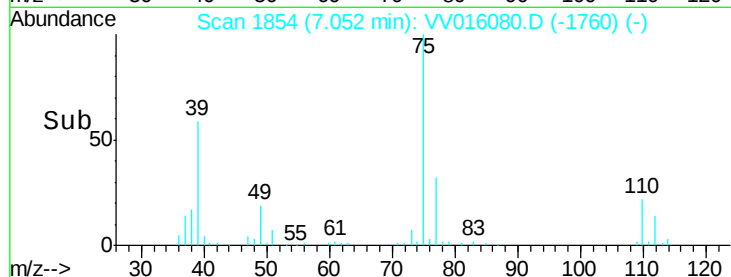
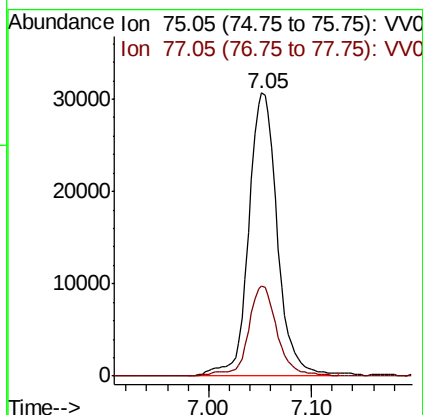
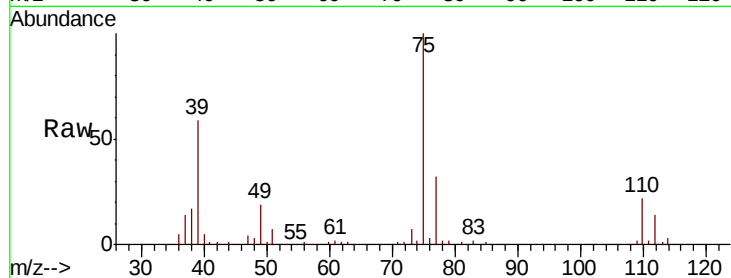


#39

cis-1,3-Dichloropropene
Concen: 4.193 ug/L
RT: 7.05 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VV016080.D
Acq: 14 May 2020 20:27

Instrument :
MSVOA_V
ClientSampleId :

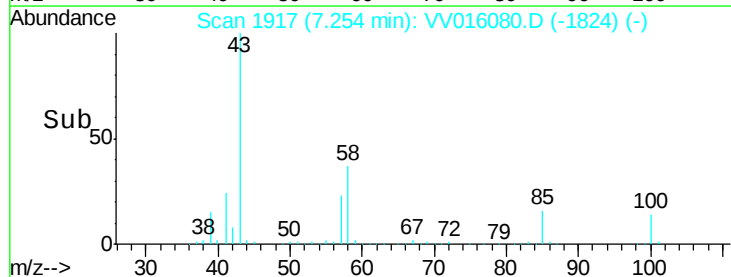
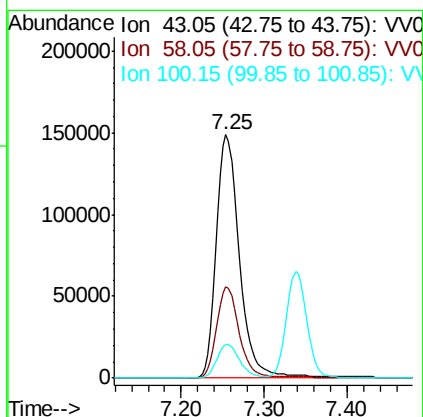
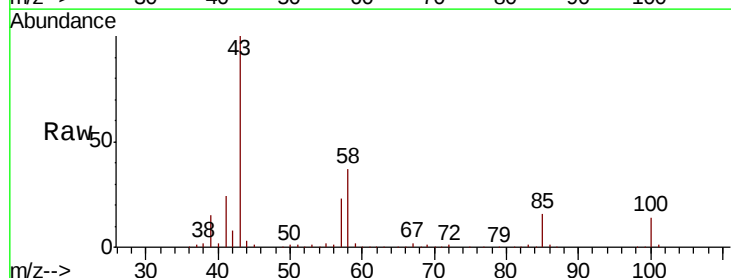
Tot Ion: 75 Resp: 59211
Ion Ratio Lower Upper
75 100
77 31.9 21.3 39.5

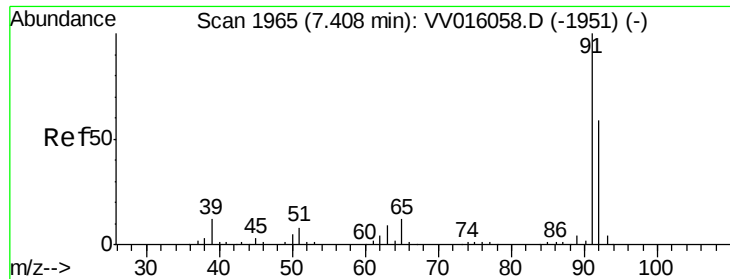


#40

4-Methyl-2-pentanone
Concen: 46.422 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VV016080.D
Acq: 14 May 2020 20:27

Tgt Ion: 43 Resp: 289100
Ion Ratio Lower Upper
43 100
58 36.1 29.0 43.4
100 13.6 10.9 16.3





#42

Toluene

Concen: 4.607 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV016080.D

Acq: 14 May 2020 20:27

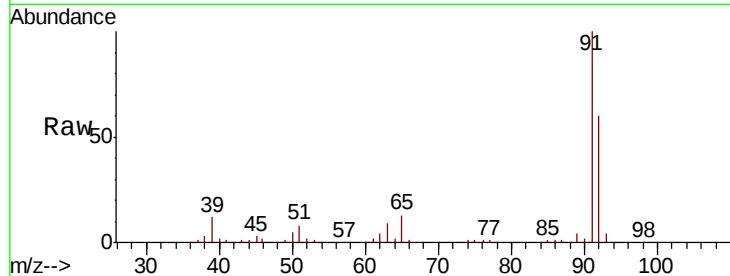
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 192059

Ion Ratio Lower Upper

91 100

92 59.8 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV016080.D (-1872) (-)

Ion 92.15 (91.85 to 92.85): VV016080.D (-1872) (-)

7.41

120000

100000

80000

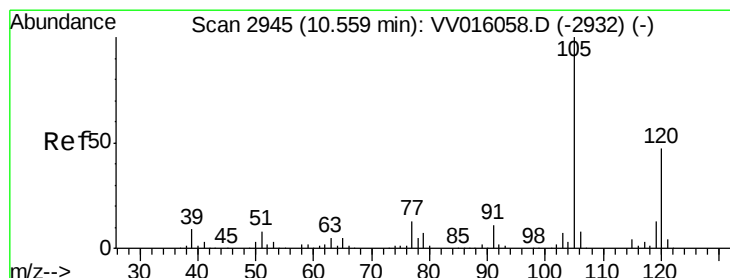
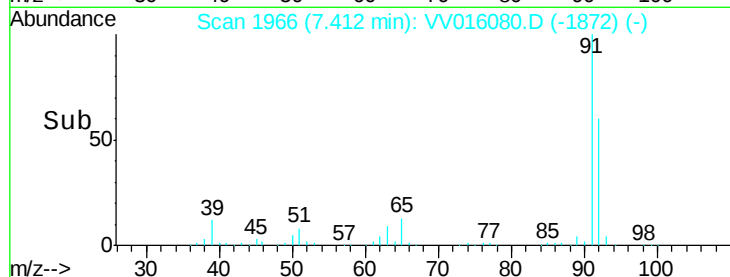
60000

40000

20000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 4.487 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV016080.D

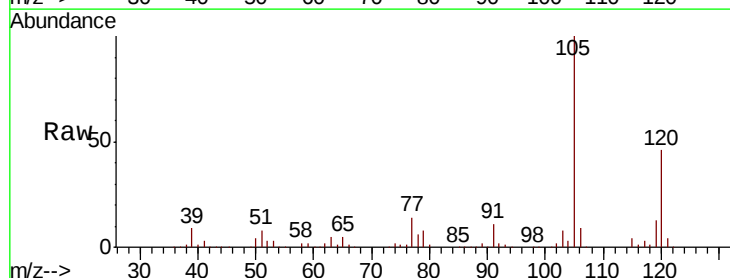
Acq: 14 May 2020 20:27

Tgt Ion:105 Resp: 171692

Ion Ratio Lower Upper

105 100

120 46.4 0.0 0.0#



Abundance Ion 105.00 (104.70 to 105.70): VV016080.D (-2323) (-)

Ion 120.00 (119.70 to 120.70): VV016080.D (-2323) (-)

10.56

120000

100000

80000

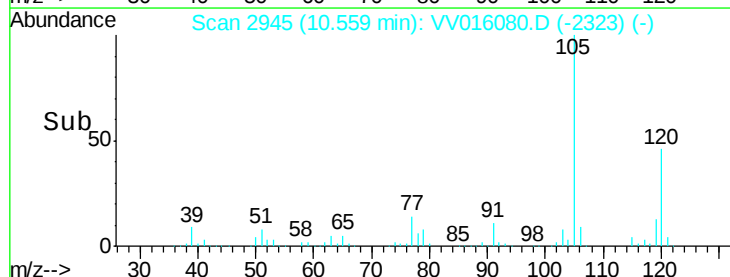
60000

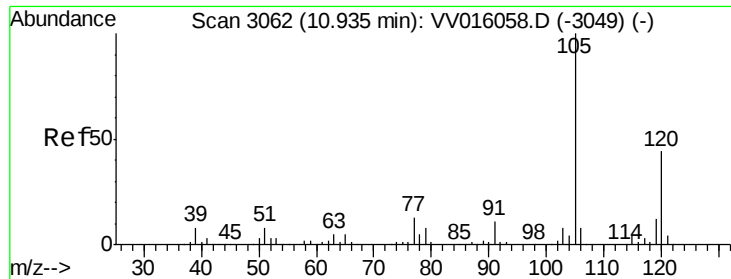
40000

20000

0

Time-->

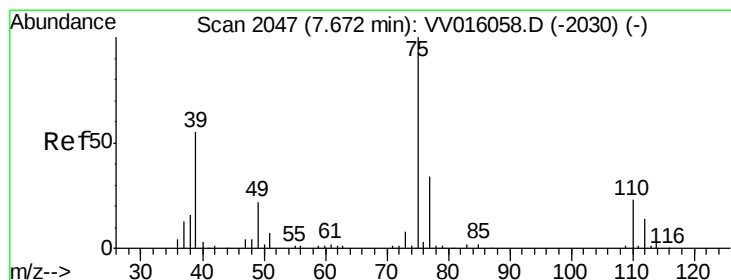
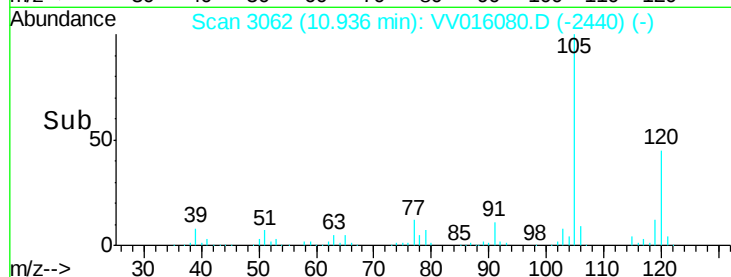
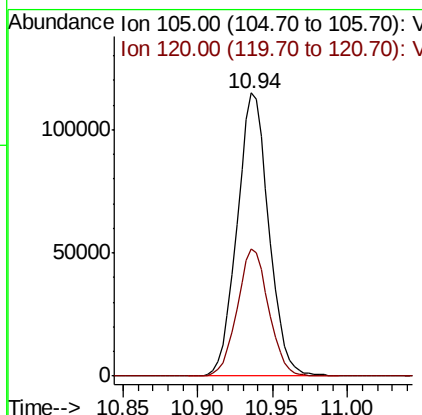
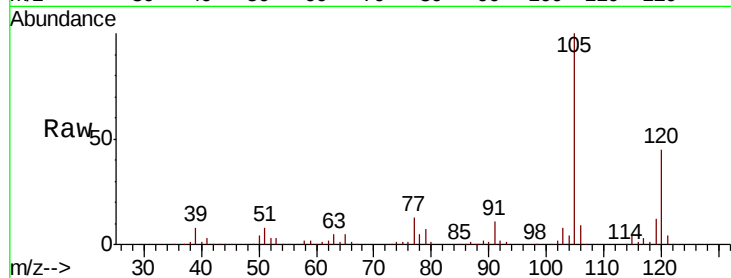




#44
 1,2,4-Trimethylbenzene
 Concen: 4.430 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV016080.D
 Acq: 14 May 2020 20:27

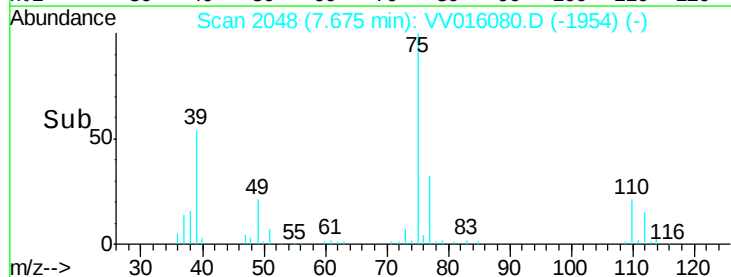
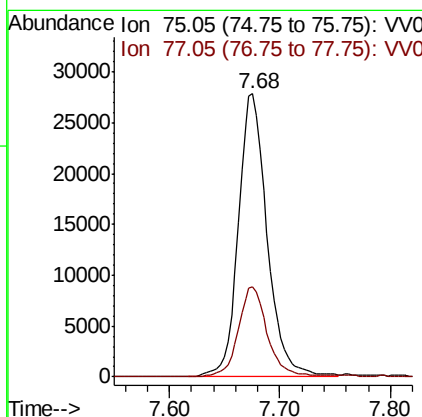
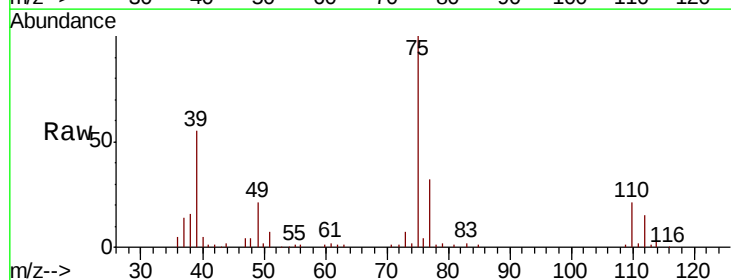
Instrument :
 MSVOA_V
 ClientSampleId :

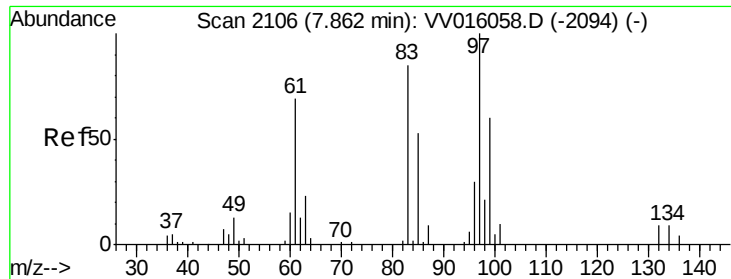
Tot Ion:105 Resp: 169401
 Ion Ratio Lower Upper
 105 100
 120 44.6 0.0 0.0#



#46
 trans-1,3-Dichloropropene
 Concen: 4.236 ug/L
 RT: 7.68 min Scan# 2048
 Delta R.T. 0.00 min
 Lab File: VV016080.D
 Acq: 14 May 2020 20:27

Tgt Ion: 75 Resp: 50535
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.3 39.6

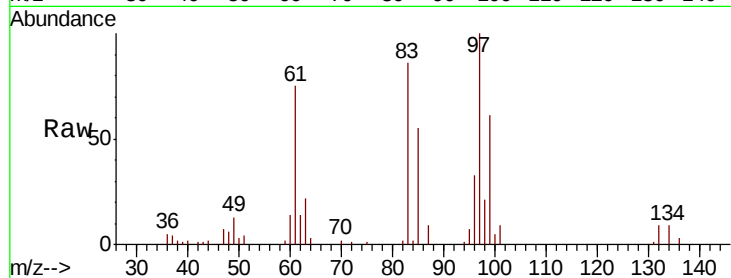




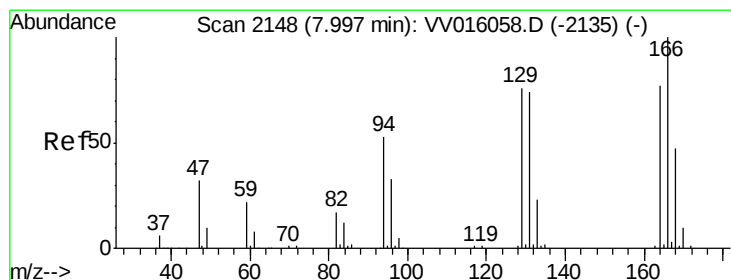
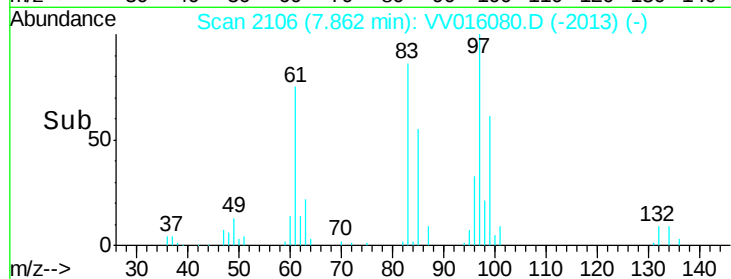
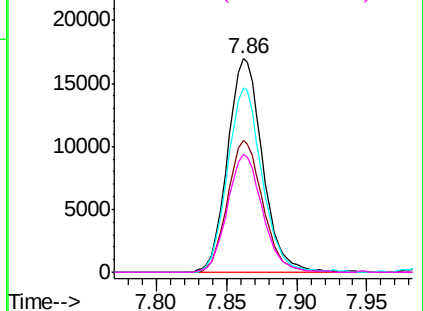
#47
 1,1,2-Trichloroethane
 Concen: 4.406 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV016080.D
 Acq: 14 May 2020 20:27

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	97	Resp:	29400
Ion	Ratio	Lower	Upper
97	100		
99	61.5	42.1	78.1
83	86.4	59.2	110.0
85	55.3	38.6	71.8

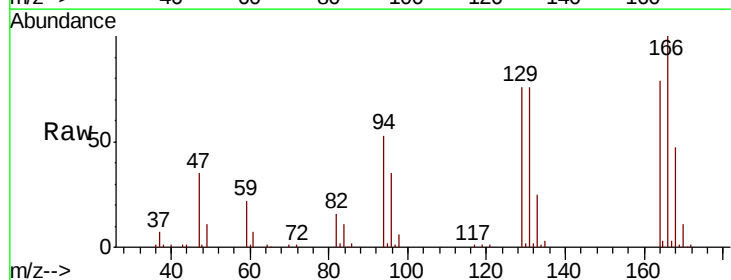


Abundance Ion 96.95 (96.65 to 97.65): VV016080.D (-2013) (-)
 Ion 99.05 (98.75 to 99.75): VV016080.D (-2013) (-)
 Ion 82.95 (82.65 to 83.65): VV016080.D (-2013) (-)
 Ion 85.00 (84.70 to 85.70): VV016080.D (-2013) (-)

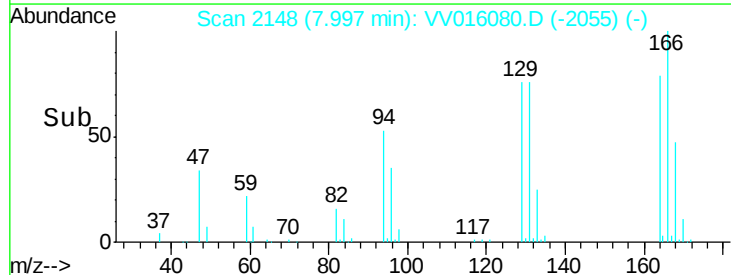
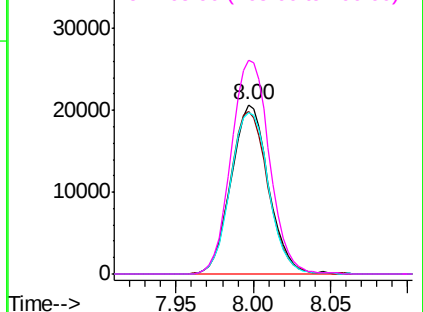


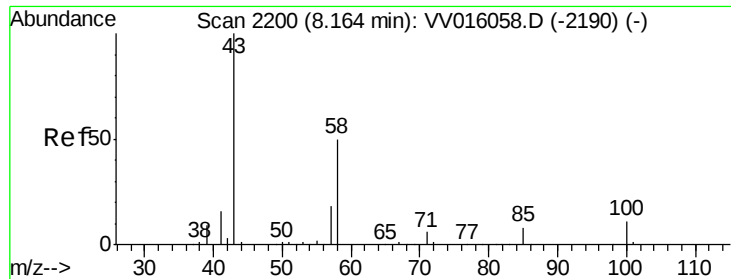
#49
 Tetrachloroethene
 Concen: 4.426 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV016080.D
 Acq: 14 May 2020 20:27

Tgt Ion:	164	Resp:	34669
Ion	Ratio	Lower	Upper
164	100		
129	95.9	69.7	129.4
131	95.7	66.8	124.2
166	126.4	89.1	165.5



Abundance Ion 163.90 (163.60 to 164.60): VV016080.D (-2055) (-)
 Ion 128.95 (128.65 to 129.65): VV016080.D (-2055) (-)
 Ion 130.95 (130.65 to 131.65): VV016080.D (-2055) (-)
 Ion 165.90 (165.60 to 166.60): VV016080.D (-2055) (-)

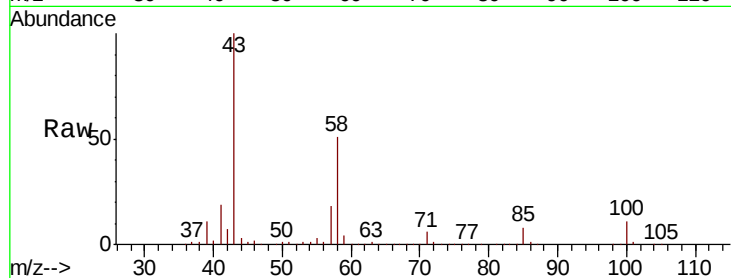




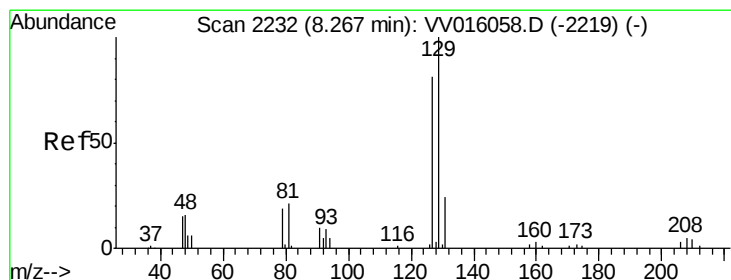
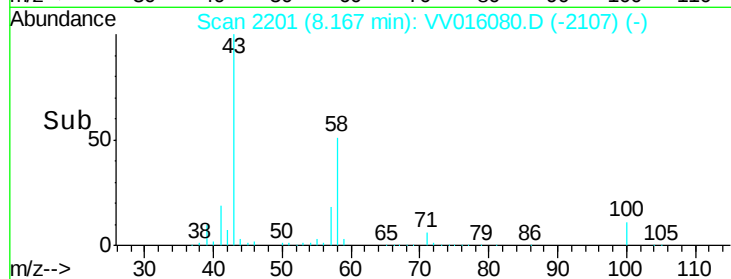
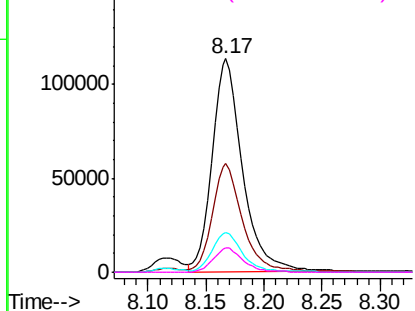
#50
2-Hexanone
Concen: 46.889 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VV016080.D
Acq: 14 May 2020 20:27

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 206503
Ion Ratio Lower Upper
43 100
58 51.4 40.8 61.2
57 18.5 14.7 22.1
100 11.6 9.0 13.6

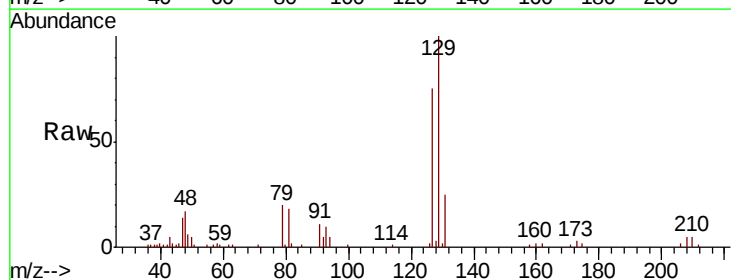


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

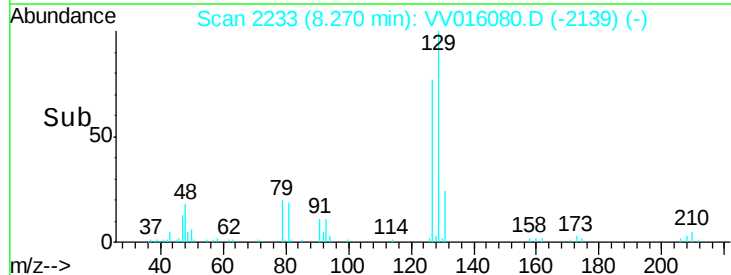
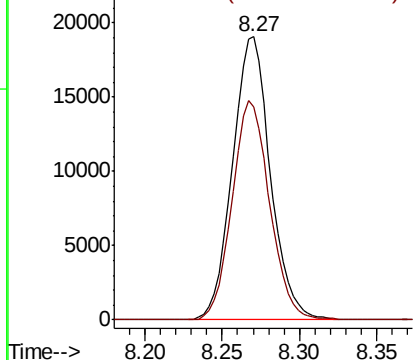


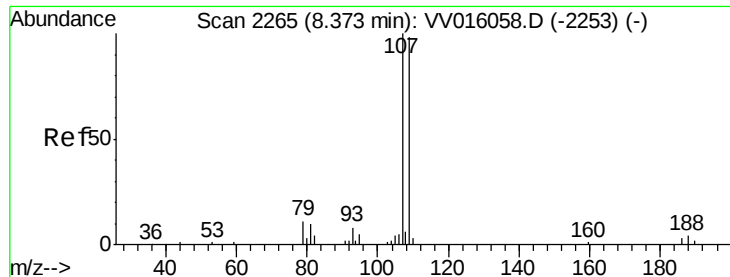
#51
Dibromochloromethane
Concen: 4.317 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV016080.D
Acq: 14 May 2020 20:27

Tgt Ion: 129 Resp: 32370
Ion Ratio Lower Upper
129 100
127 75.2 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: 4.472 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV016080.D

Acq: 14 May 2020 20:27

Instrument :

MSVOA_V

ClientSampleId :

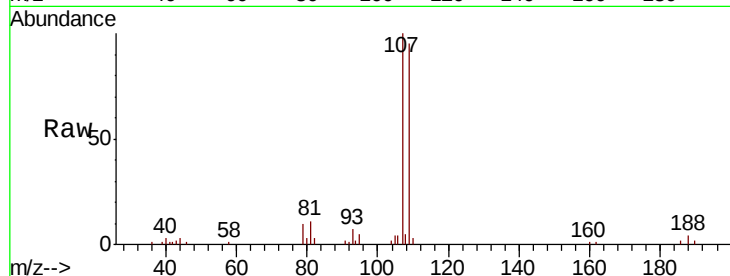
Tot Ion:107 Resp: 27674

Ion Ratio Lower Upper

107 100

109 95.4 68.9 127.9

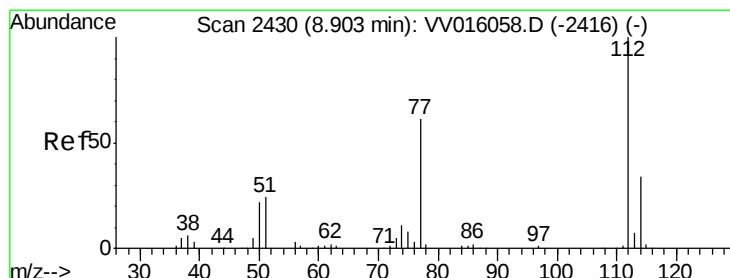
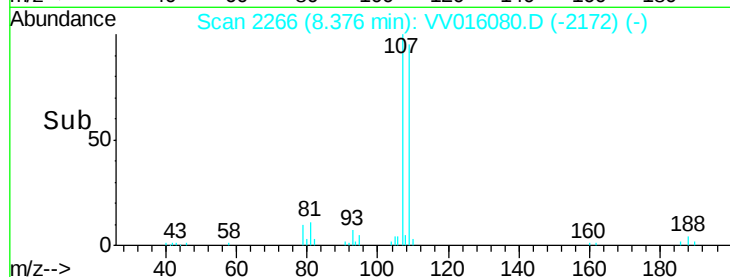
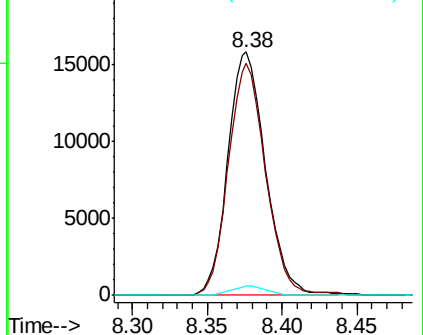
188 3.8 2.7 4.1



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: 4.543 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV016080.D

Acq: 14 May 2020 20:27

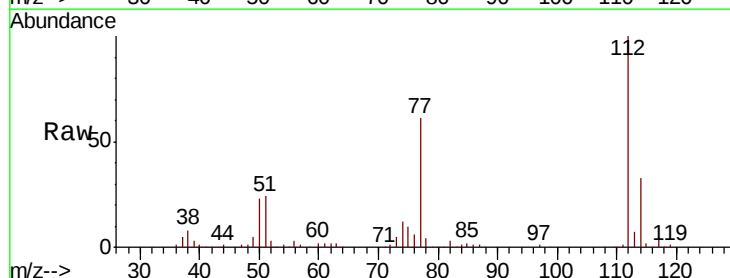
Tgt Ion:112 Resp: 121790

Ion Ratio Lower Upper

112 100

114 32.8 21.6 40.0

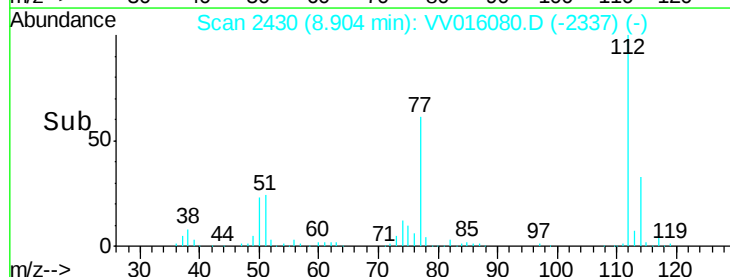
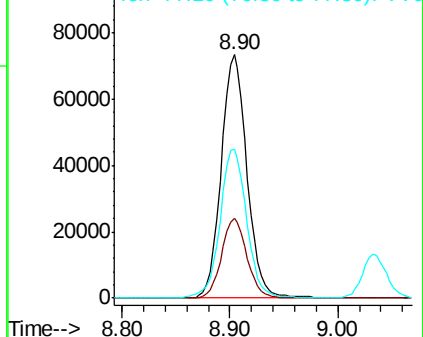
77 61.3 48.6 73.0

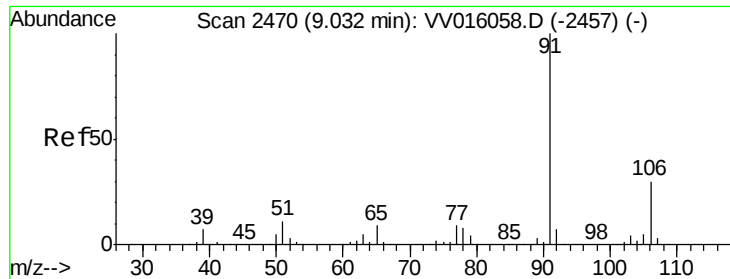


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0

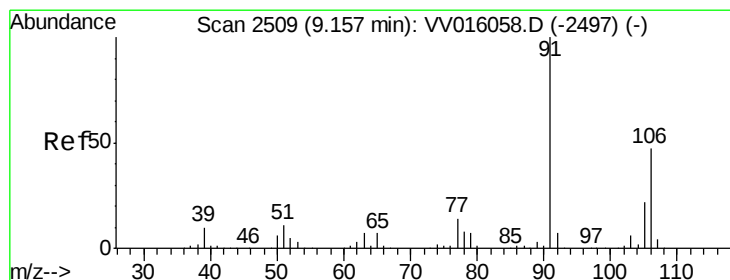
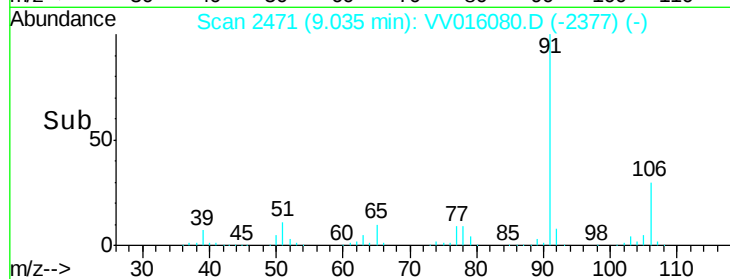
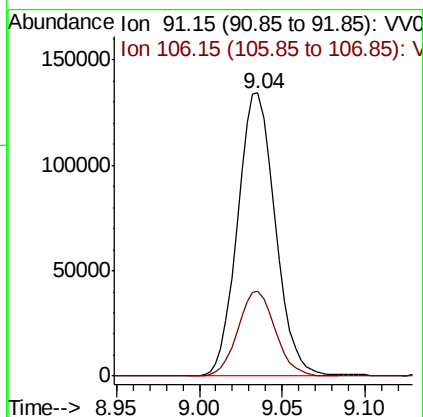
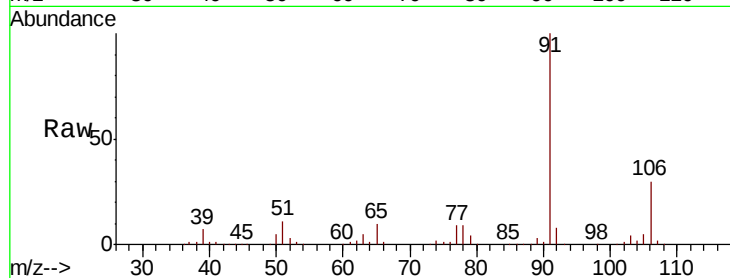




#54
Ethylbenzene
Concen: 4.477 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV016080.D
Acq: 14 May 2020 20:27

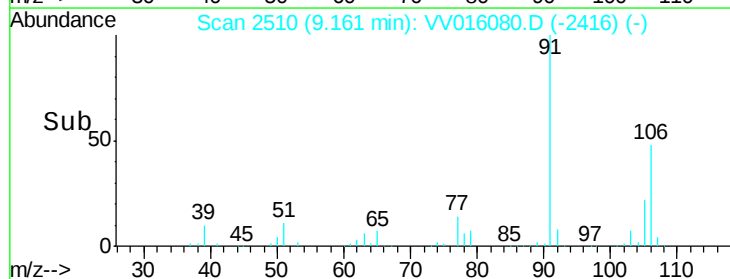
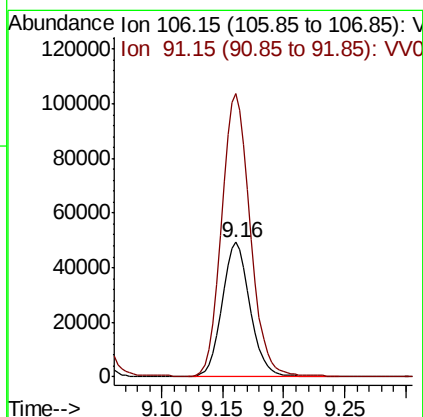
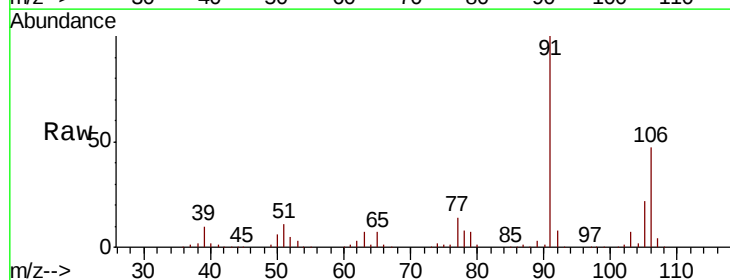
Instrument :
MSVOA_V
ClientSampleId :

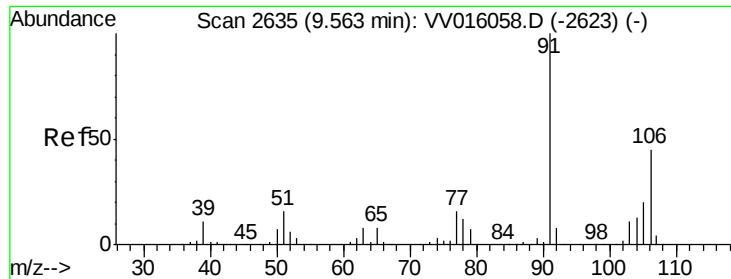
Tot Ion: 91 Resp: 212235
Ion Ratio Lower Upper
91 100
106 29.9 20.6 38.4



#55
m,p-xylene
Concen: 4.544 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV016080.D
Acq: 14 May 2020 20:27

Tgt Ion: 106 Resp: 79762
Ion Ratio Lower Upper
106 100
91 210.5 149.9 278.3

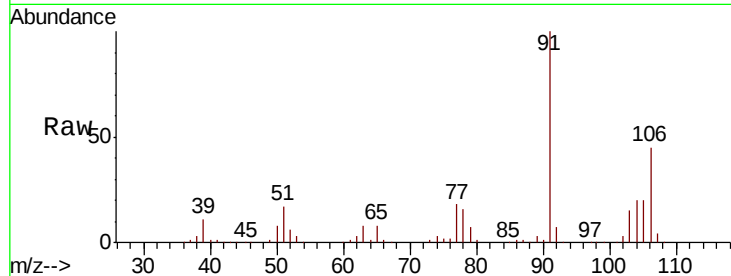




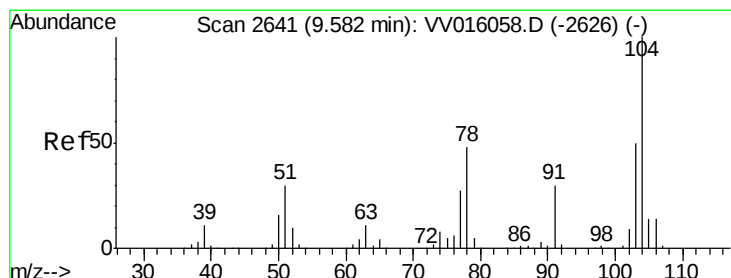
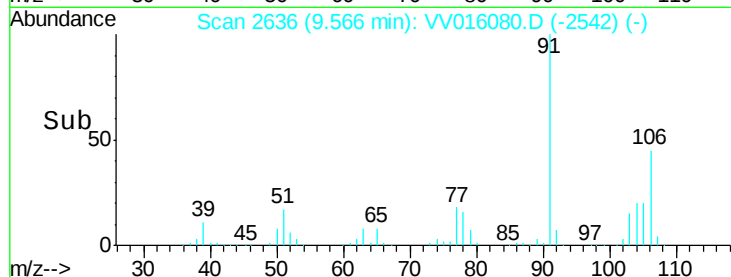
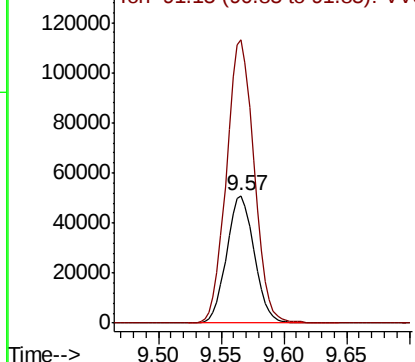
#56
o-xylene
Concen: 4.654 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV016080.D
Acq: 14 May 2020 20:27

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 78092
Ion Ratio Lower Upper
106 100
91 221.6 159.7 296.5

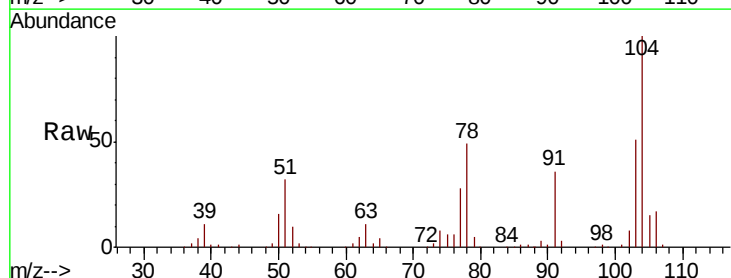


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

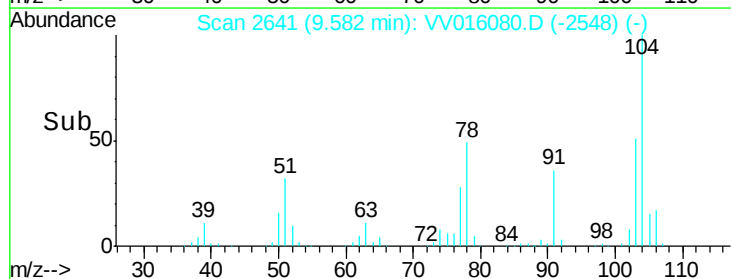
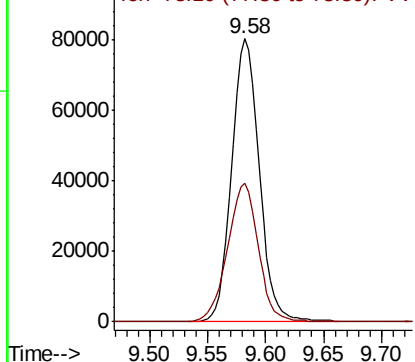


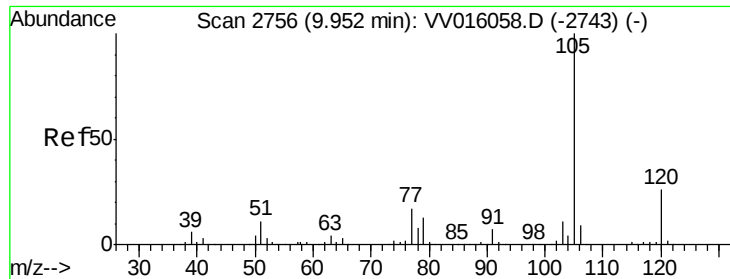
#57
Styrene
Concen: 4.697 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV016080.D
Acq: 14 May 2020 20:27

Tgt Ion:104 Resp: 131828
Ion Ratio Lower Upper
104 100
78 49.0 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: 4.509 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016080.D

Acq: 14 May 2020 20:27

Instrument :
MSVOA_V
ClientSampleId :

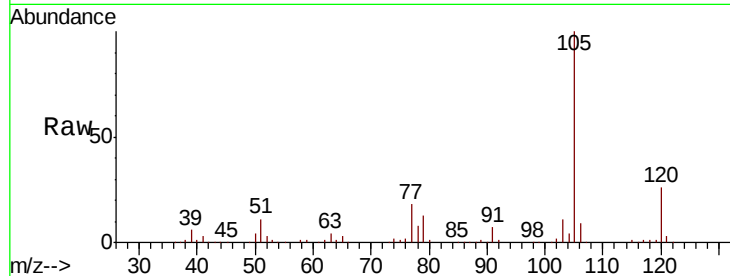
Tot Ion:105 Resp: 207868

Ion Ratio Lower Upper

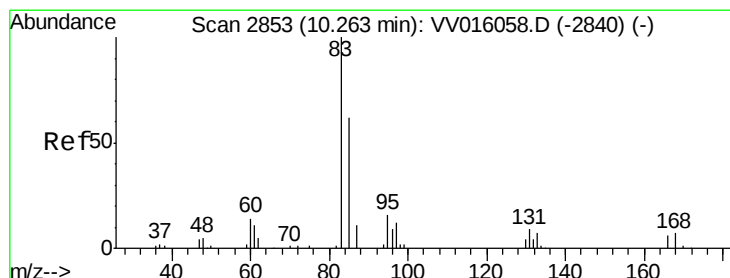
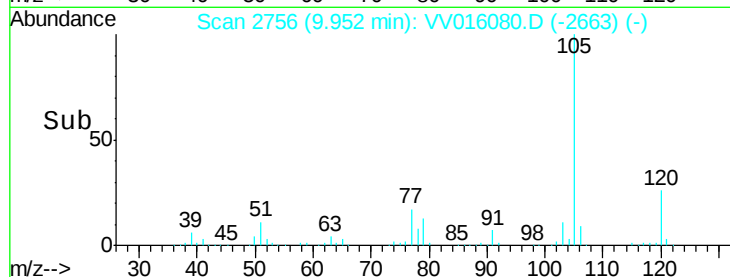
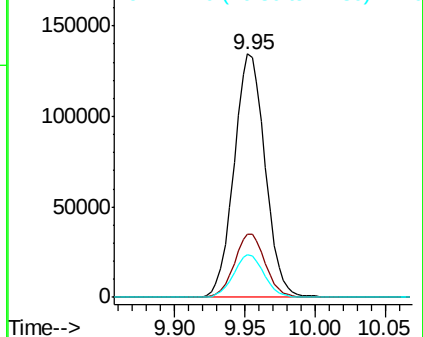
105 100

120 25.8 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: 5.025 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016080.D

Acq: 14 May 2020 20:27

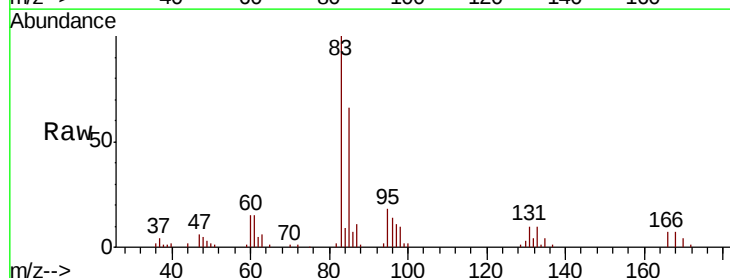
Tgt Ion: 83 Resp: 35832

Ion Ratio Lower Upper

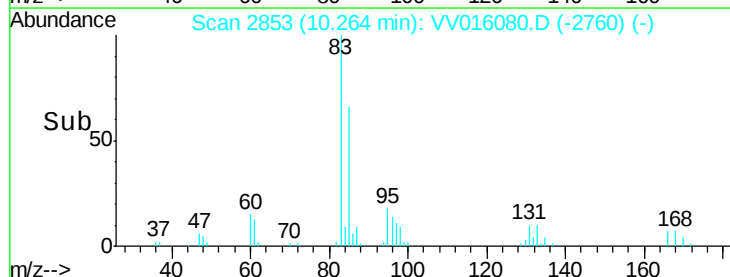
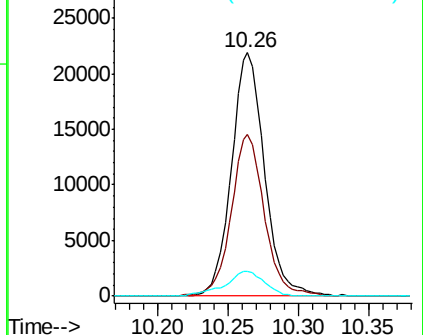
83 100

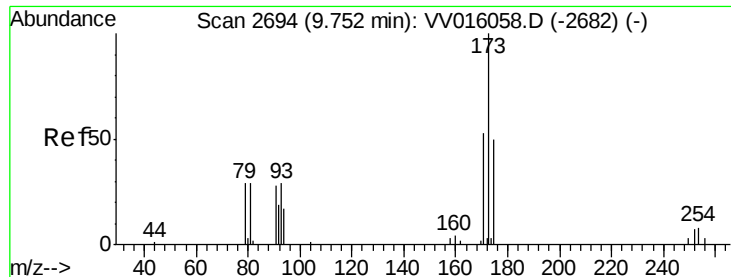
85 66.5 44.0 81.6

131 10.1 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: 4.205 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV016080.D

Acq: 14 May 2020 20:27

Instrument :
MSVOA_V
ClientSampleId :

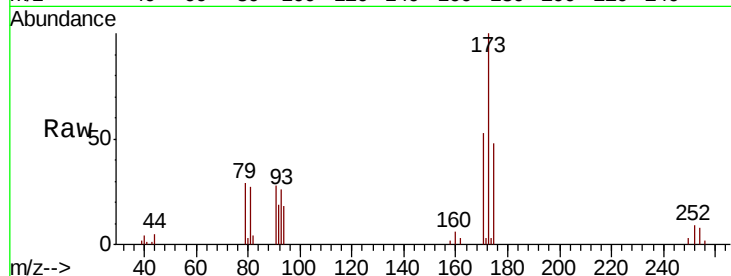
Tot Ion:173 Resp: 15366

Ion Ratio Lower Upper

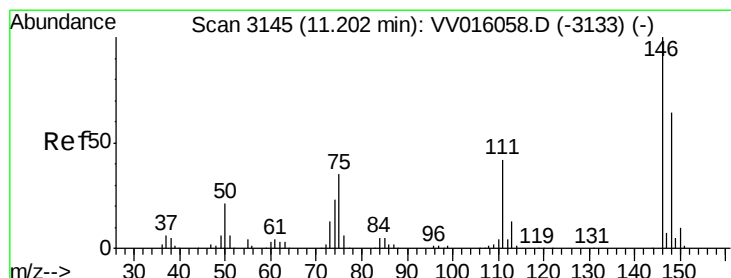
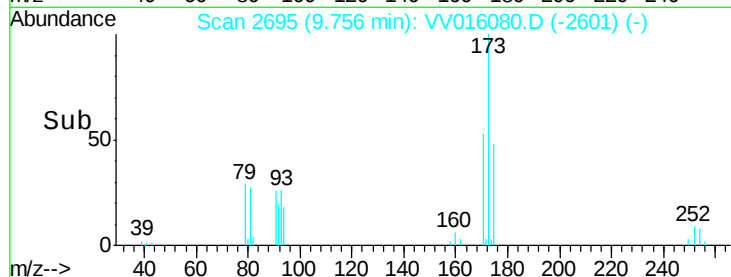
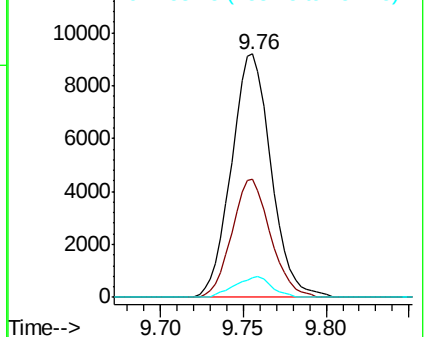
173 100

175 47.0 39.8 59.8

254 7.9 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: 4.475 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016080.D

Acq: 14 May 2020 20:27

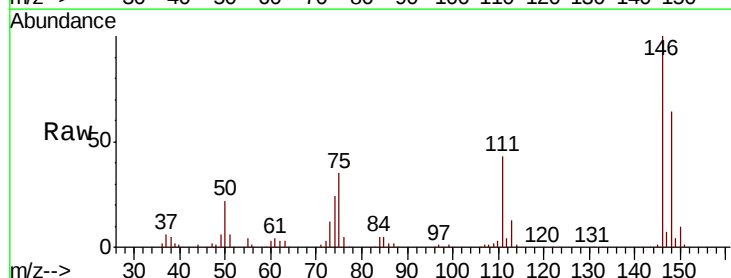
Tgt Ion:146 Resp: 95899

Ion Ratio Lower Upper

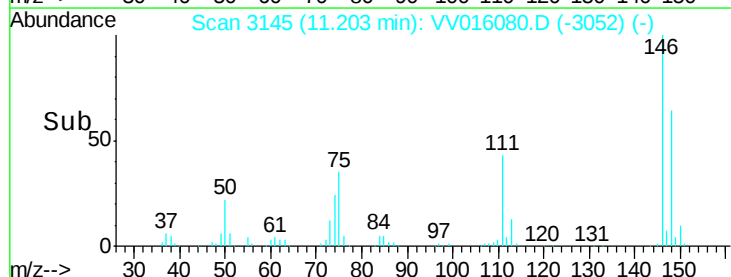
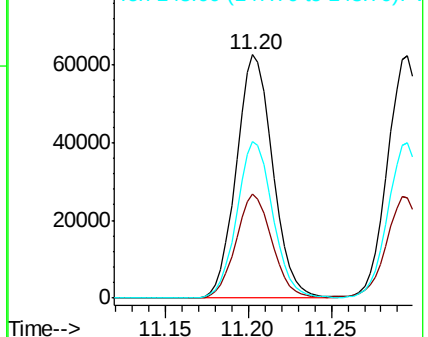
146 100

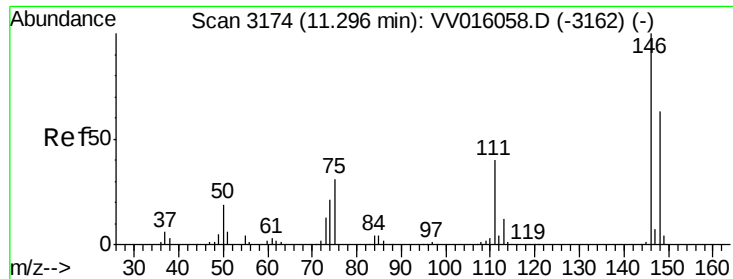
111 42.7 28.7 53.3

148 64.3 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: 4.493 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016080.D

Acq: 14 May 2020 20:27

Instrument :

MSVOA_V

ClientSampleId :

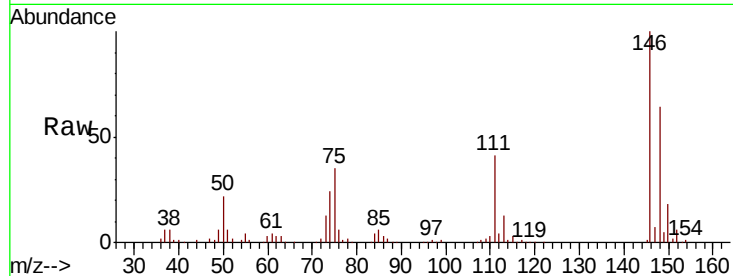
Tot Ion:146 Resp: 96724

Ion Ratio Lower Upper

146 100

111 41.5 28.9 53.7

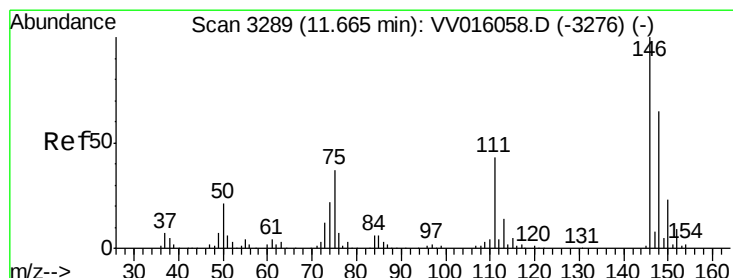
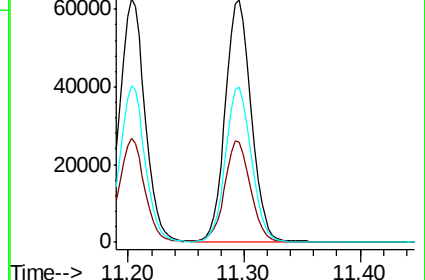
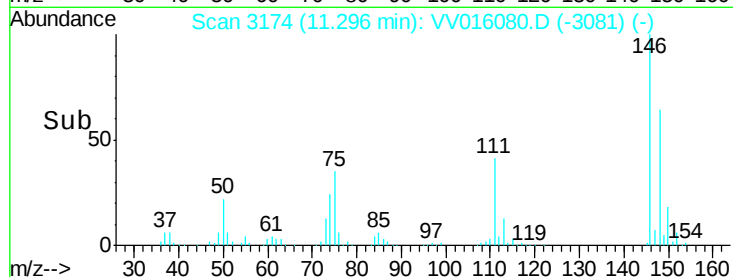
148 63.9 44.6 82.8



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



#66

1,2-Dichlorobenzene

Concen: 4.540 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016080.D

Acq: 14 May 2020 20:27

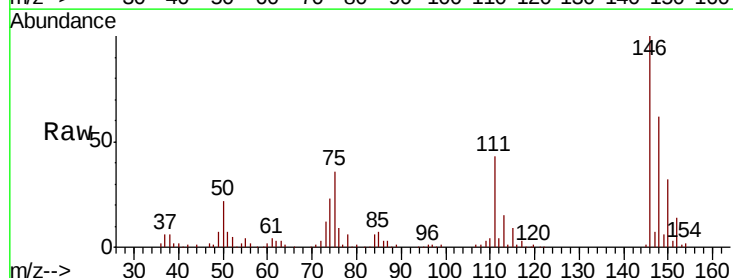
Tgt Ion:146 Resp: 88059

Ion Ratio Lower Upper

146 100

111 43.3 37.0 55.4

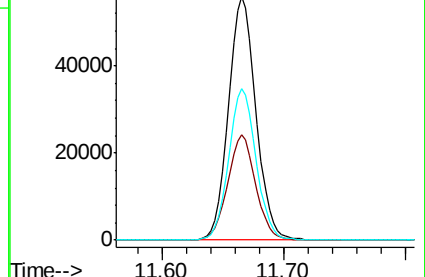
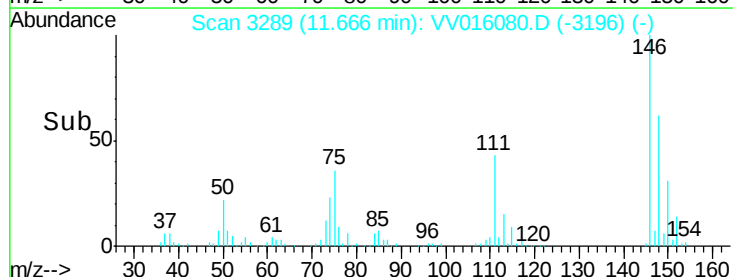
148 62.1 49.8 74.6

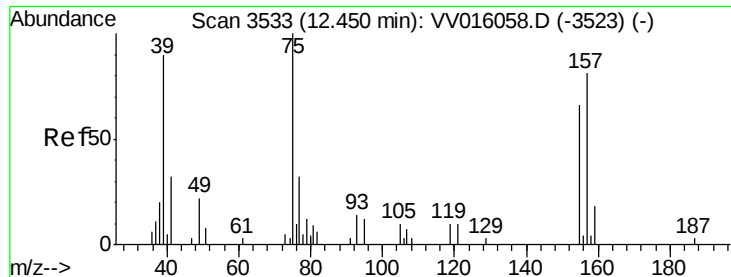


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

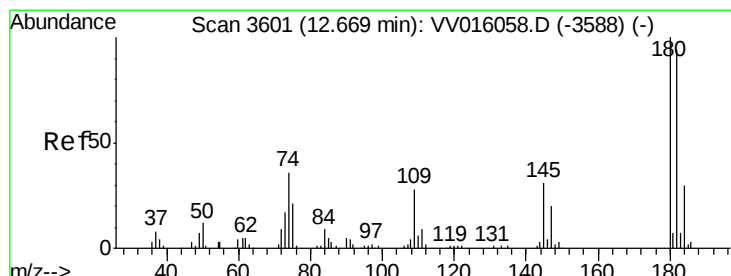
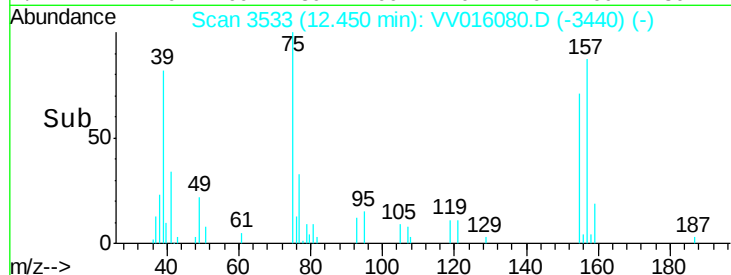
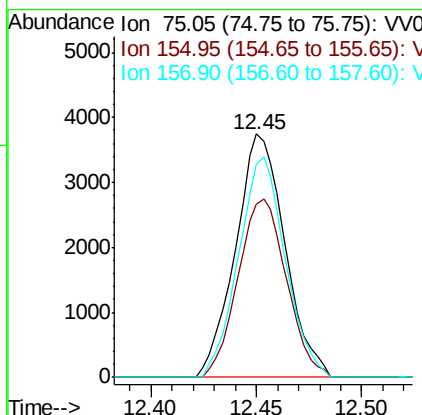
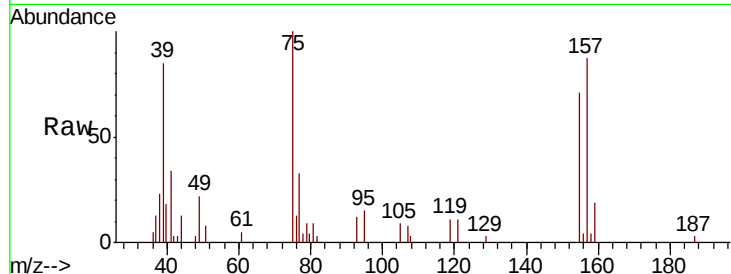




#67
 1,2-Dibromo-3-chloropropane
 Concen: 4.824 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV016080.D
 Acq: 14 May 2020 20:27

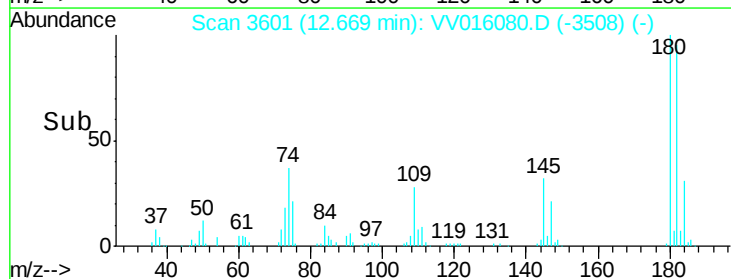
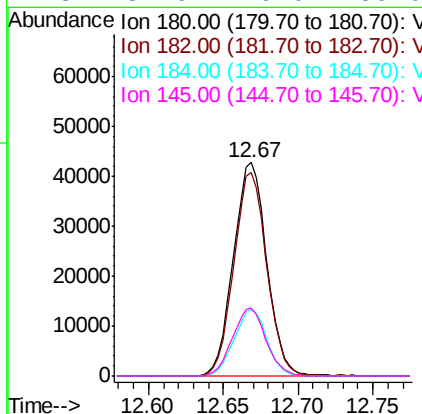
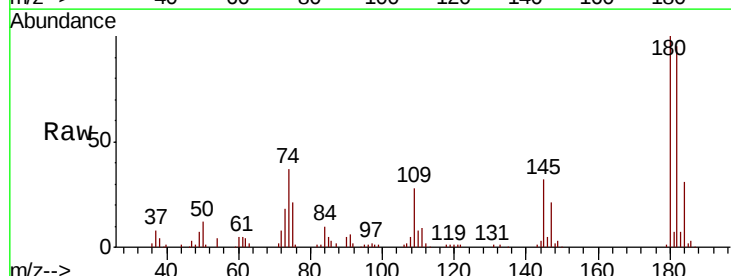
Instrument :
 MSVOA_V
 ClientSampleId :

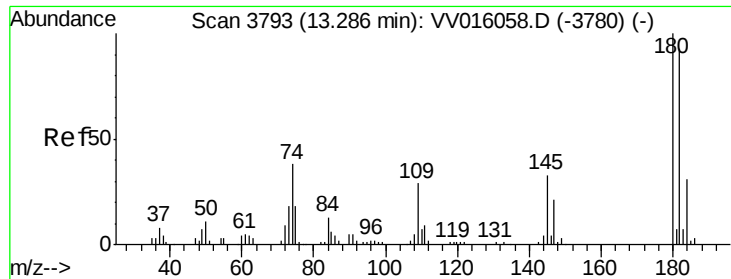
Tot Ion: 75 Resp: 6106
 Ion Ratio Lower Upper
 75 100
 155 71.3 58.2 87.4
 157 87.4 79.4 119.2



#68
 1,3,5-Trichlorobenzene
 Concen: 4.228 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016080.D
 Acq: 14 May 2020 20:27

Tgt Ion: 180 Resp: 66245
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.8 113.6
 184 30.5 24.6 36.8
 145 31.9 26.0 39.0

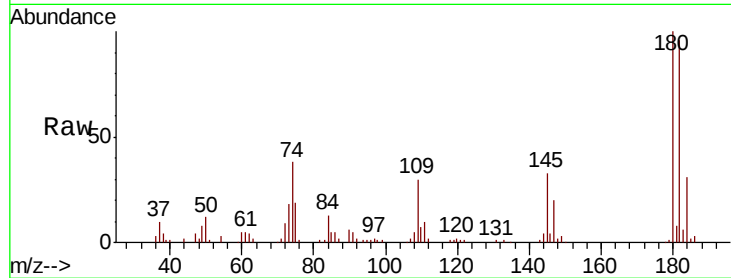




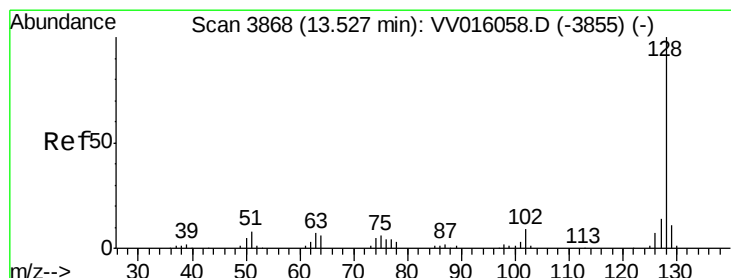
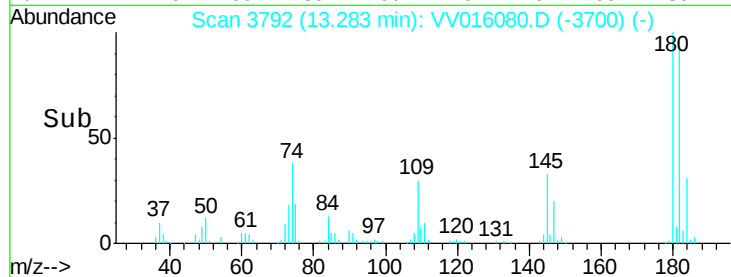
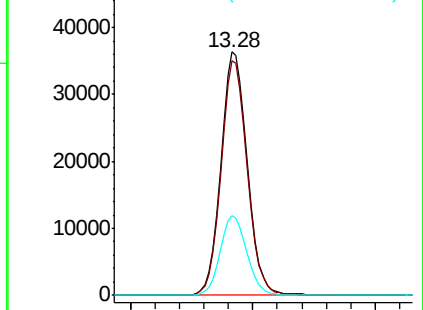
#69
 1,2,4-trichlorobenzene
 Concen: 4.108 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV016080.D
 Acq: 14 May 2020 20:27

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 55309
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.7 115.1
 145 33.2 26.4 39.6

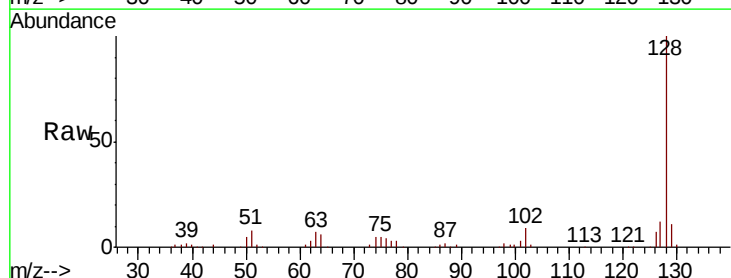


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

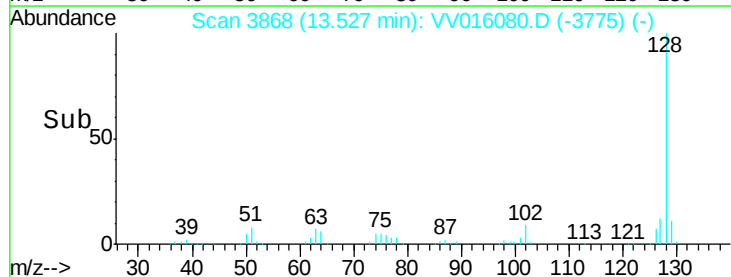
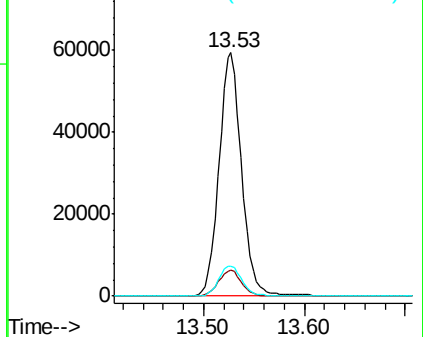


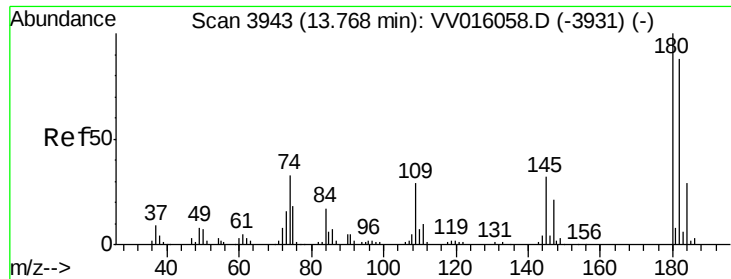
#70
 Naphthalene
 Concen: 4.332 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV016080.D
 Acq: 14 May 2020 20:27

Tgt Ion:128 Resp: 92759
 Ion Ratio Lower Upper
 128 100
 129 10.7 8.5 12.7
 127 12.7 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: 4.389 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV016080.D
 Acq: 14 May 2020 20:27

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 52121
 Ion Ratio Lower Upper
 180 100
 182 94.0 77.0 115.6
 145 33.8 28.3 42.5

