

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070720\
 Data File : VV017365.D
 Acq On : 07 Jul 2020 09:28
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 08 01:24:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 07 01:14:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	169313	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	162634	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	86409	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	44070	4.34	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.80%
7) Chloroethane-d5	1.58	69	35558	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.20%
11) 1,1-Dichloroethene-d2	2.12	63	94086	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.20%
20) 2-Butanone-d5	3.96	46	98649	38.09	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	76.18%
24) Chloroform-d	4.37	84	106589	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.05	65	57499	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.07	84	186769	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	6.09	67	51218	4.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.00%
41) Toluene-d8	7.33	98	179294	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
45) trans-1,3-Dichloropropene-	7.64	79	24328	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
48) 2-Hexanone-d5	8.11	63	79778	39.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.60%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	38754	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	71864	4.50	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	62349	4.613	ug/L 99
3) Chloromethane	1.25	50	44897	3.920	ug/L 98
5) Vinyl chloride	1.32	62	49907	4.492	ug/L 98
6) Bromomethane	1.53	94	25822	3.988	ug/L 98
8) Chloroethane	1.60	64	30364	4.945	ug/L 97
9) Trichlorofluoromethane	1.76	101	97775	5.434	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	47805	5.331	ug/L 99
12) 1,1-Dichloroethene	2.13	96	40092	4.934	ug/L 89
13) Acetone	2.23	43	18001	13.750	ug/L 49
14) Carbon disulfide	2.31	76	105797	4.345	ug/L 98
15) Methyl Acetate	2.46	43	14453	4.515	ug/L 97
16) Methylene chloride	2.52	84	44272	5.087	ug/L 96
17) Methyl tert-butyl Ether	2.79	73	108757	5.330	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	43936	5.102	ug/L 93
19) 1,1-Dichloroethane	3.21	63	94705	4.895	ug/L 97
21) 2-Butanone	4.04	43	103806	42.063	ug/L 93
22) cis-1,2-Dichloroethene	3.94	96	54884	4.661	ug/L 94

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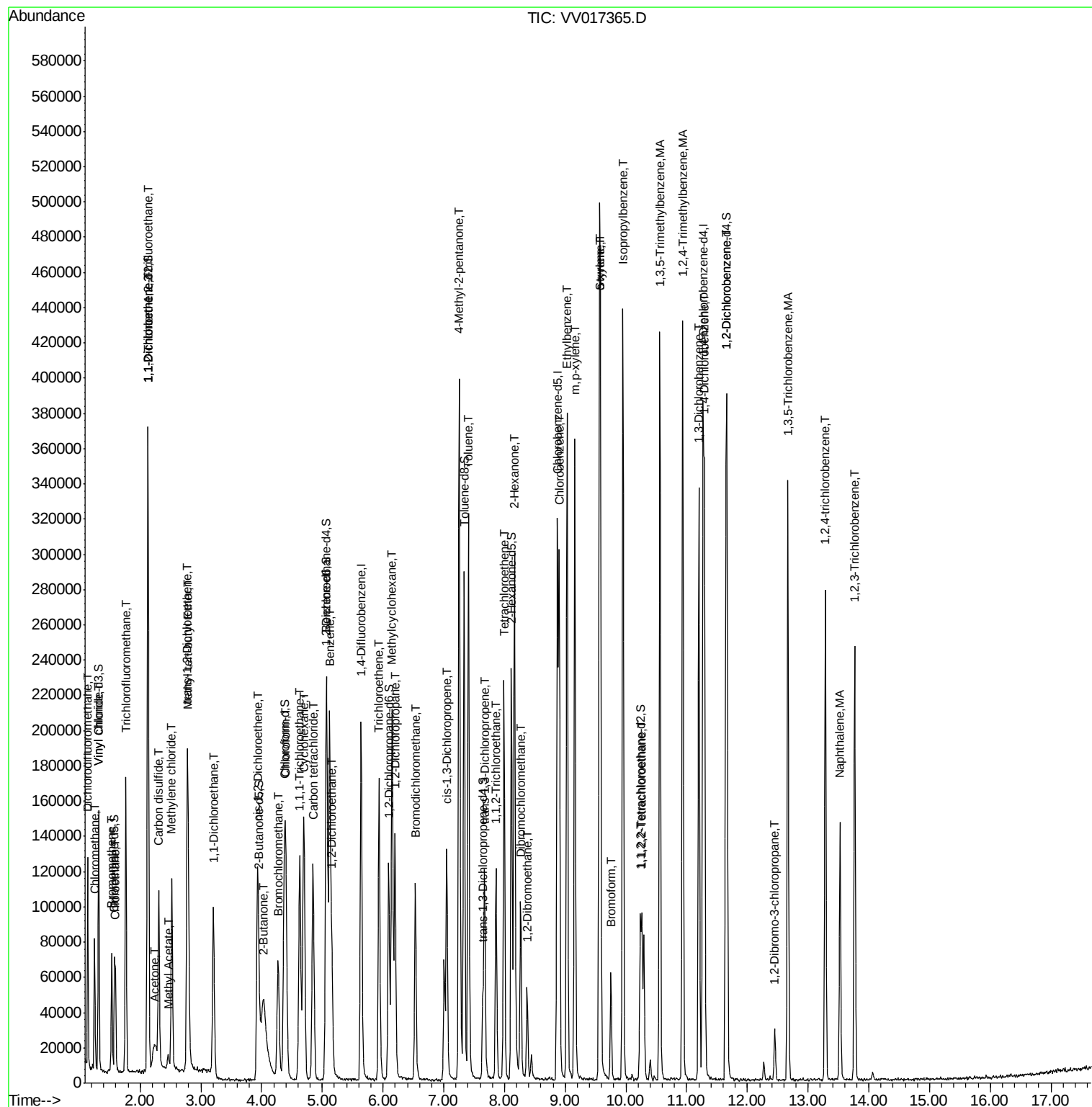
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	24058	4.808	ug/L	90
25) Chloroform	4.40	83	106187	5.025	ug/L	96
27) 1,2-Dichloroethane	5.16	62	65492	4.988	ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	101830	5.226	ug/L	97
30) Cyclohexane	4.69	56	73900	3.986	ug/L	95
31) Carbon tetrachloride	4.85	117	91600	5.210	ug/L	98
33) Benzene	5.12	78	199212	4.677	ug/L	100
34) Trichloroethene	5.93	95	56971	4.568	ug/L	98
35) Methylcyclohexane	6.15	83	80471	4.151	ug/L	98
37) 1,2-Dichloropropane	6.20	63	45461	4.312	ug/L	99
38) Bromodichloromethane	6.53	83	71438	4.988	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	74300	4.743	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	262631	43.143	ug/L	97
42) Toluene	7.41	91	221664	4.477	ug/L	99
43) 1,3,5-Trimethylbenzene	10.56	105	219770	4.963	ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	225142	4.993	ug/L	100
46) trans-1,3-Dichloropropene	7.67	75	63999	4.723	ug/L	99
47) 1,1,2-Trichloroethane	7.86	97	35778	4.784	ug/L	97
49) Tetrachloroethene	7.99	164	50149	4.996	ug/L	98
50) 2-Hexanone	8.16	43	188303	43.467	ug/L	94
51) Dibromochloromethane	8.27	129	49368	5.446	ug/L	96
52) 1,2-Dibromoethane	8.37	107	33065	4.662	ug/L	95
53) Chlorobenzene	8.90	112	146363	4.742	ug/L	98
54) Ethylbenzene	9.03	91	253378	4.794	ug/L	99
55) m,p-xylene	9.16	106	98821	4.767	ug/L	99
56) o-xylene	9.56	106	92550	4.784	ug/L	99
57) Styrene	9.58	104	160296	5.001	ug/L	100
58) Isopropylbenzene	9.95	105	259483	4.874	ug/L	100
60) 1,1,2,2-Tetrachloroethane	10.26	83	38199	4.938	ug/L	91
62) Bromoform	9.75	173	26383	5.707	ug/L	99
63) 1,3-Dichlorobenzene	11.20	146	131309	5.048	ug/L	95
64) 1,4-Dichlorobenzene	11.29	146	129369	4.893	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	117507	4.977	ug/L	97
67) 1,2-Dibromo-3-chloropropan	12.45	75	7095	5.433	ug/L	96
68) 1,3,5-Trichlorobenzene	12.67	180	103013	4.929	ug/L	99
69) 1,2,4-trichlorobenzene	13.28	180	83878	4.875	ug/L	99
70) Naphthalene	13.53	128	115519	4.755	ug/L	100
71) 1,2,3-Trichlorobenzene	13.77	180	72422	5.161	ug/L	97

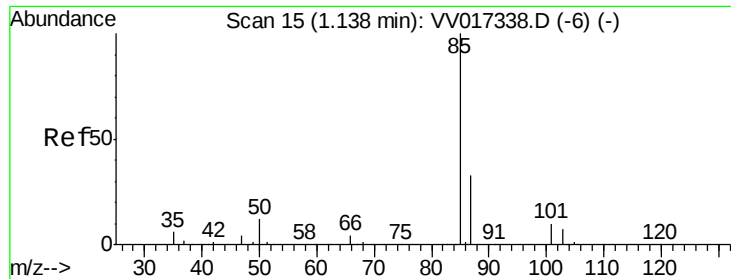
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.613 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017365.D

Acq: 07 Jul 2020 09:28

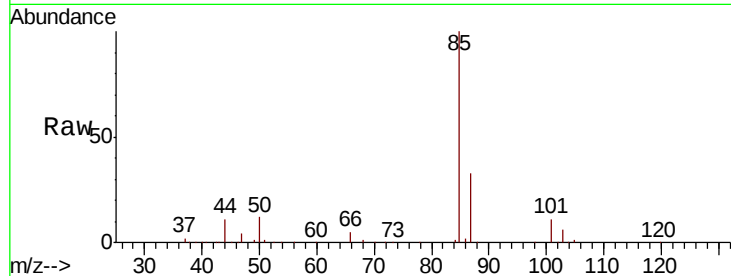
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 62349

Ion Ratio Lower Upper

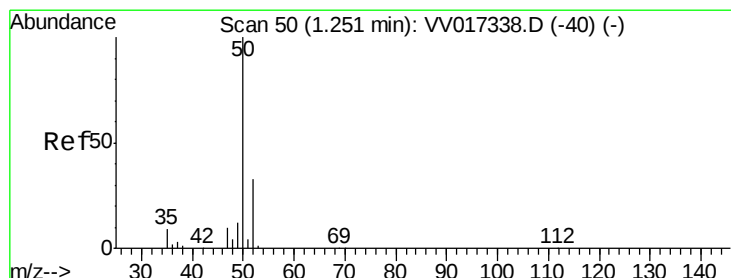
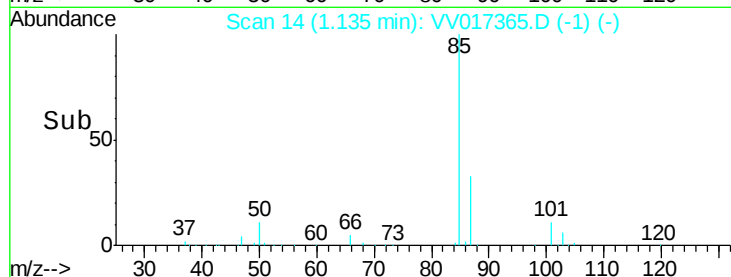
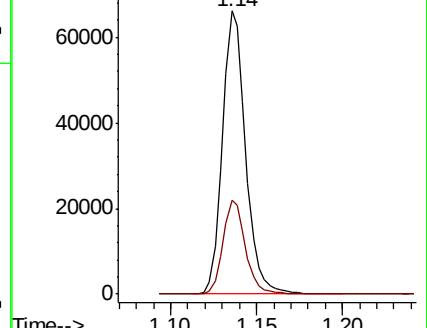
85 100

87 32.2 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV017338.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV017338.D (-6) (-)



#3

Chloromethane

Concen: 3.920 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017365.D

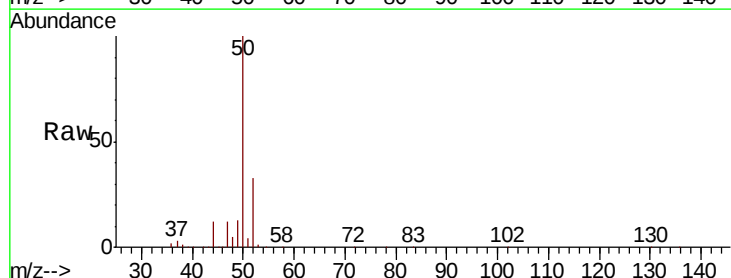
Acq: 07 Jul 2020 09:28

Tgt Ion: 50 Resp: 44897

Ion Ratio Lower Upper

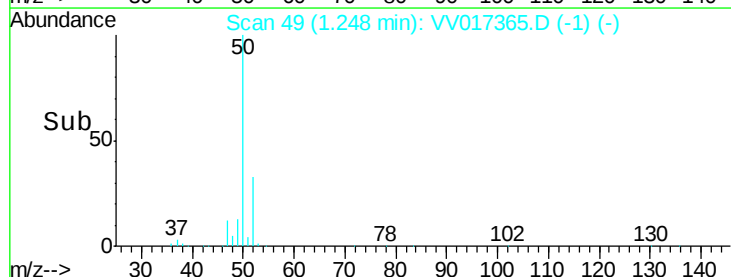
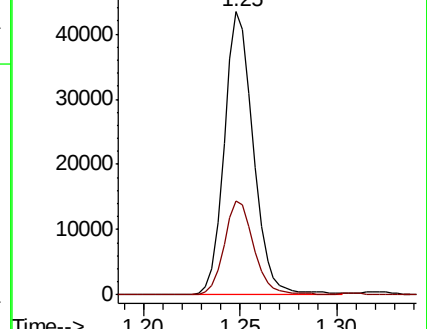
50 100

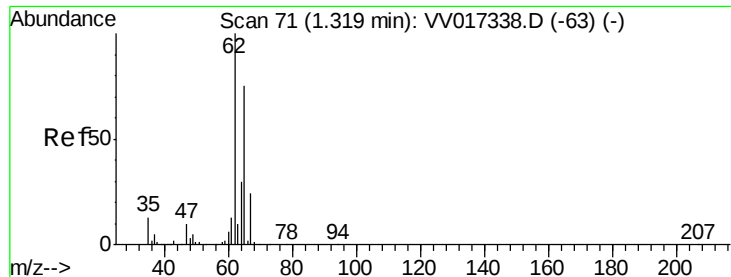
52 33.2 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV017338.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV017338.D (-40) (-)





#5

Vinyl chloride

Concen: 4.492 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017365.D

Acq: 07 Jul 2020 09:28

Instrument :

MSVOA_V

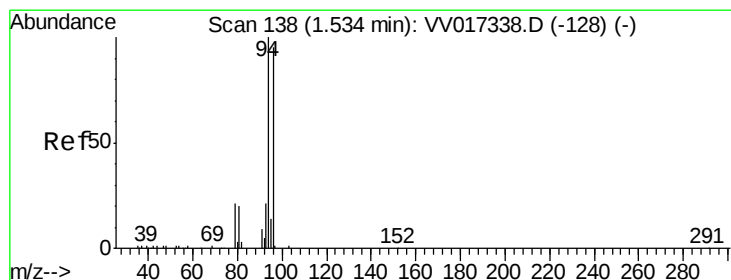
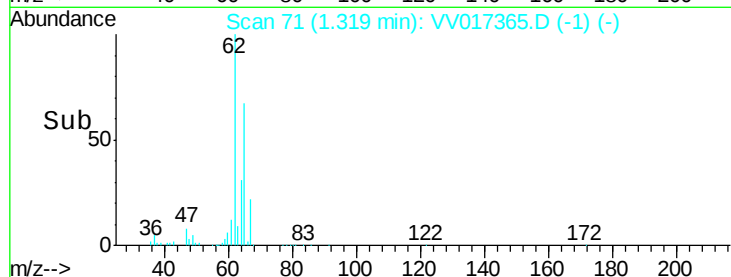
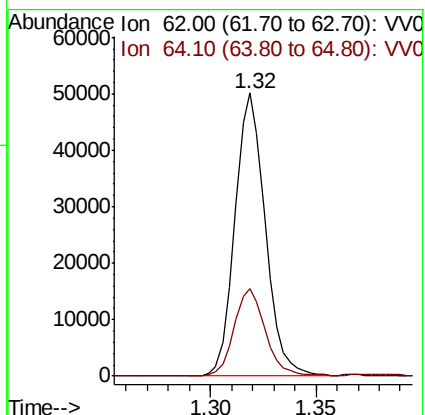
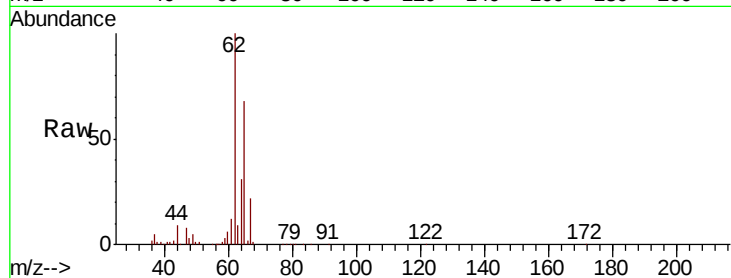
ClientSampled :

Tot Ion: 62 Resp: 49907

Ion Ratio Lower Upper

62 100

64 30.8 22.5 41.7



#6

Bromomethane

Concen: 3.988 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017365.D

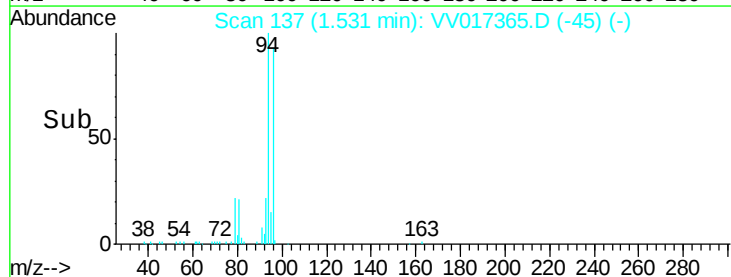
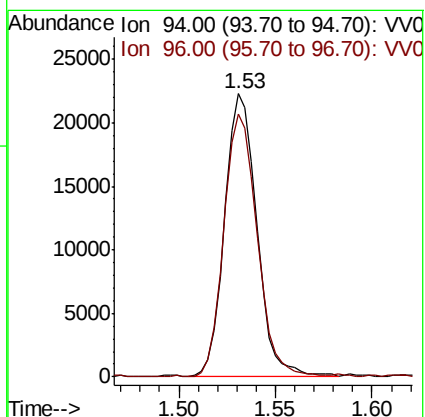
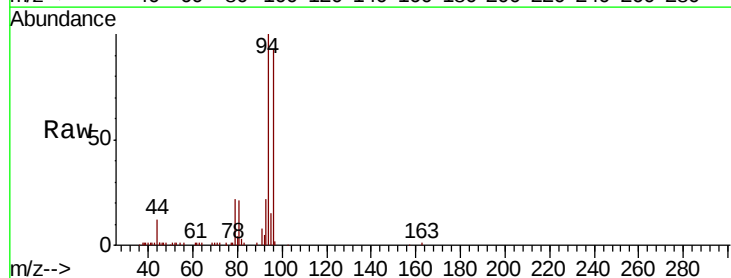
Acq: 07 Jul 2020 09:28

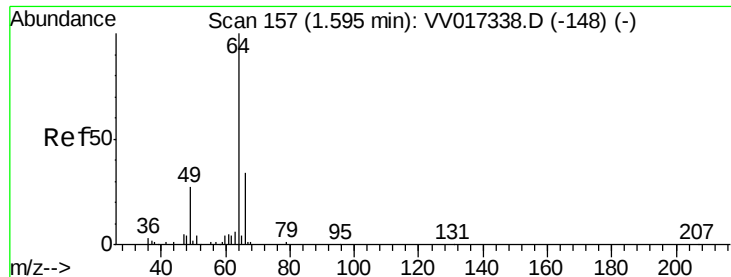
Tgt Ion: 94 Resp: 25822

Ion Ratio Lower Upper

94 100

96 93.0 66.2 123.0

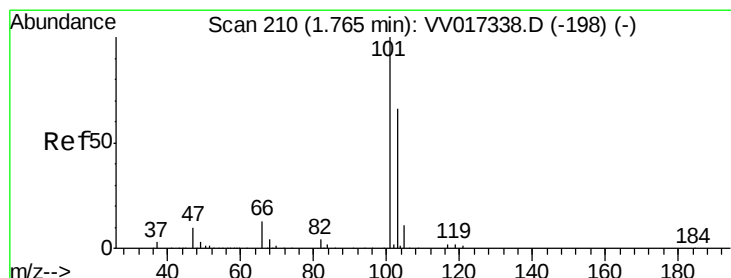
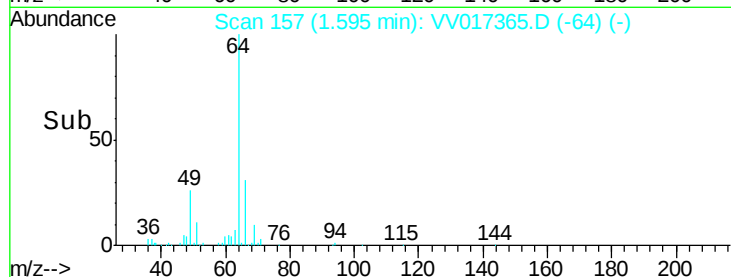
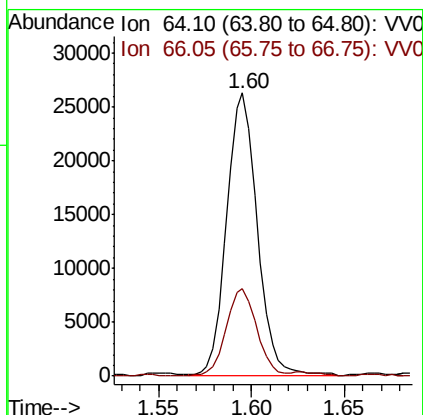
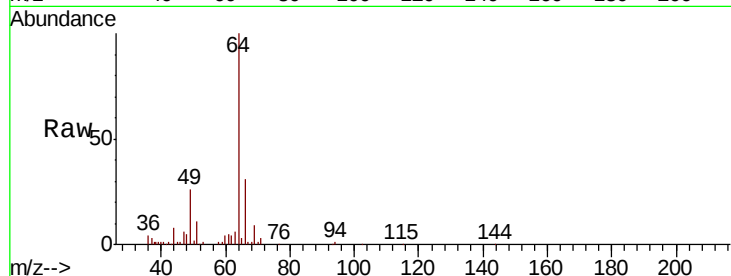




#8
Chloroethane
Concen: 4.945 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV017365.D
Acq: 07 Jul 2020 09:28

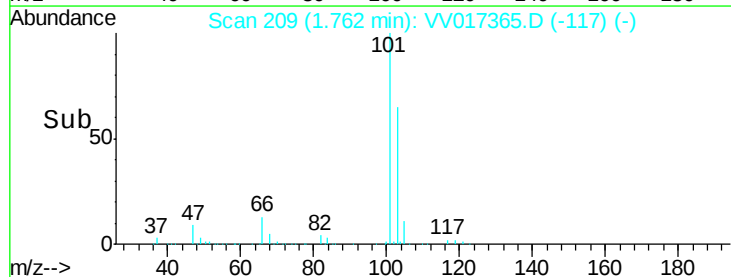
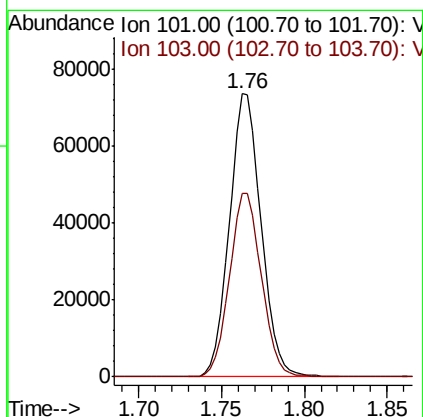
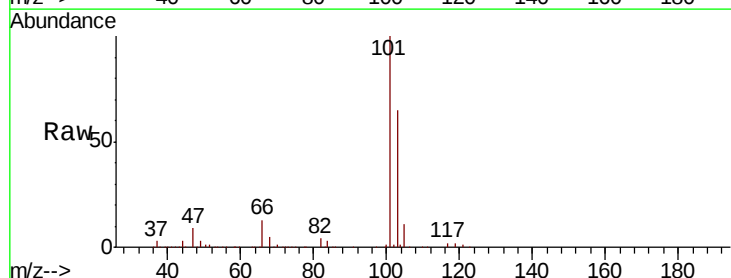
Instrument :
MSVOA_V
ClientSampleId :

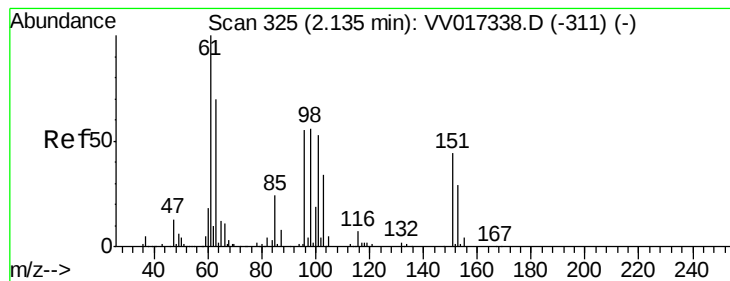
Tot Ion: 64 Resp: 30364
Ion Ratio Lower Upper
64 100
66 30.8 22.8 42.4



#9
Trichlorofluoromethane
Concen: 5.434 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV017365.D
Acq: 07 Jul 2020 09:28

Tgt Ion: 101 Resp: 97775
Ion Ratio Lower Upper
101 100
103 65.4 50.9 76.3





#10

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

Concen: 5.331 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV017365.D

Acq: 07 Jul 2020 09:28

Instrument :

MSVOA_V

ClientSampleId :

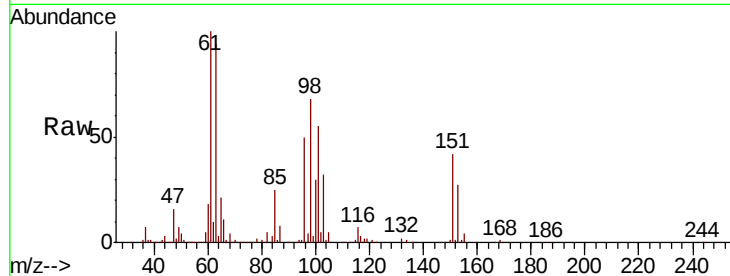
Tot Ion:101 Resp: 47805

Ion Ratio Lower Upper

101 100

85 45.4 35.4 53.2

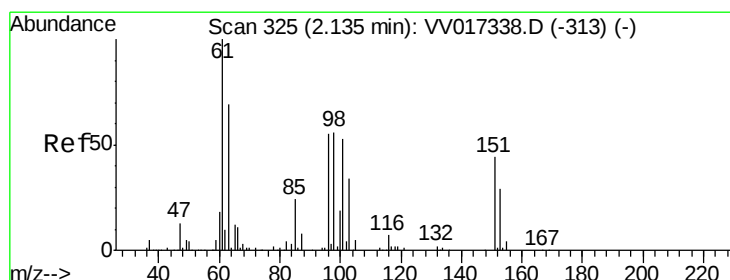
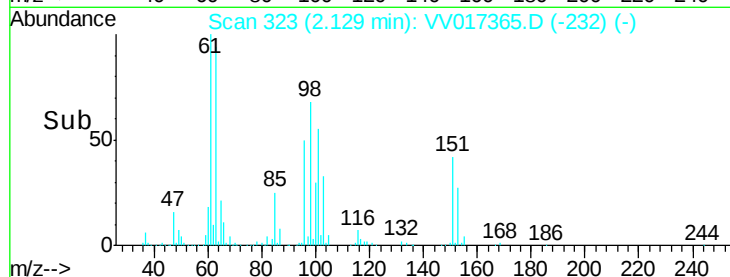
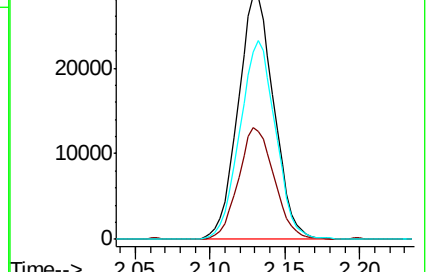
151 80.7 63.9 95.9



Abundance Ion 101.00 (100.70 to 101.70): VV017338.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV017338.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV017338.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 4.934 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017365.D

Acq: 07 Jul 2020 09:28

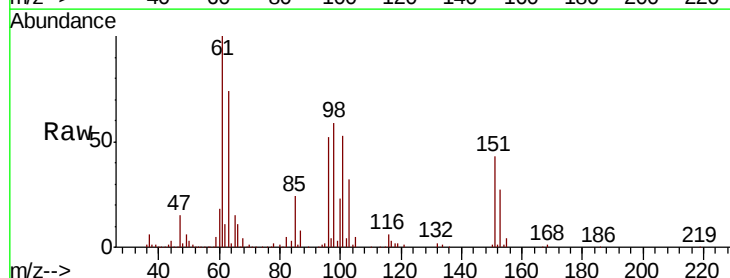
Tgt Ion: 96 Resp: 40092

Ion Ratio Lower Upper

96 100

61 192.0 125.0 232.2

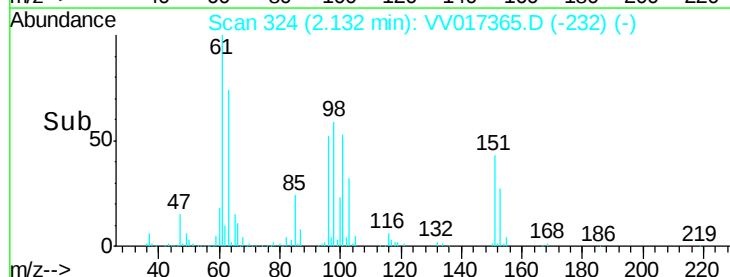
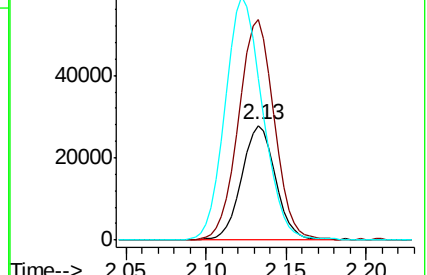
63 141.4 109.8 203.8

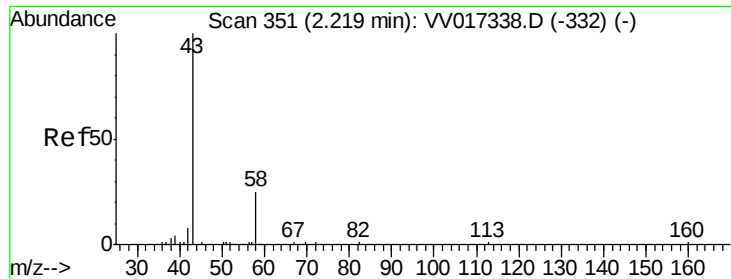


Abundance Ion 96.00 (95.70 to 96.70): VV017365.D (-232) (-)

Ion 61.05 (60.75 to 61.75): VV017365.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV017365.D (-232) (-)





#13

Acetone

Concen: 13.750 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.01 min

Lab File: VV017365.D

Acq: 07 Jul 2020 09:28

Instrument :

MSVOA_V

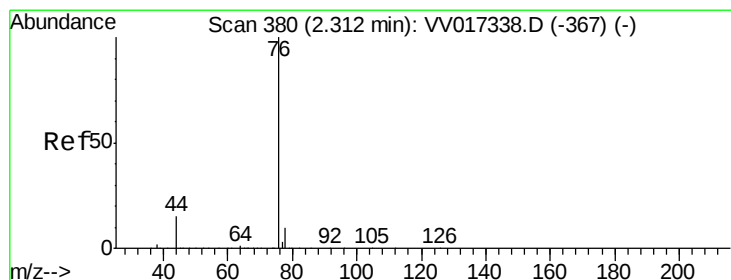
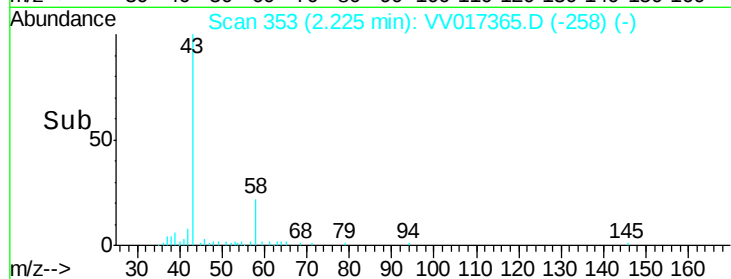
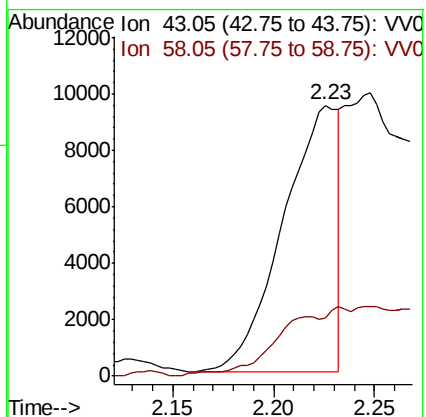
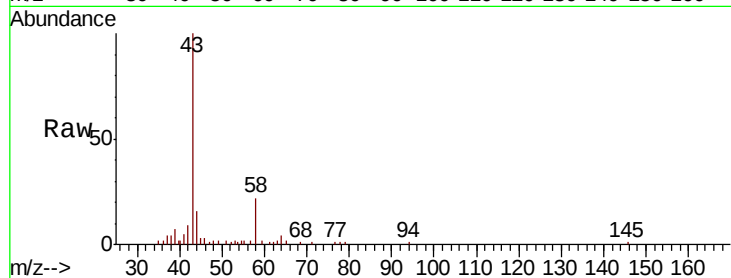
ClientSampleId :

Tot Ion: 43 Resp: 18001

Ion Ratio Lower Upper

43 100

58 1.6 0.0 58.4



#14

Carbon disulfide

Concen: 4.345 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.01 min

Lab File: VV017365.D

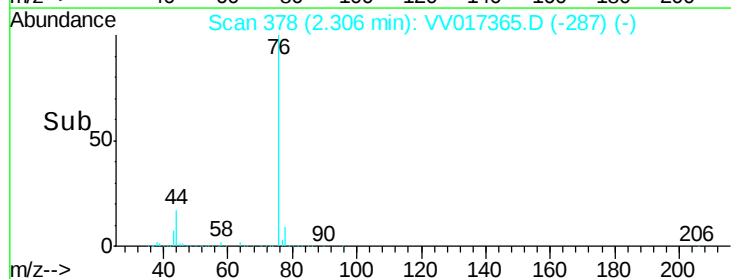
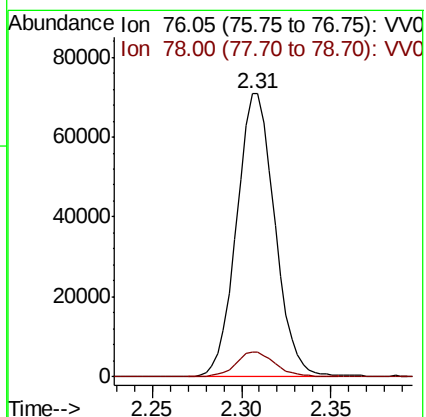
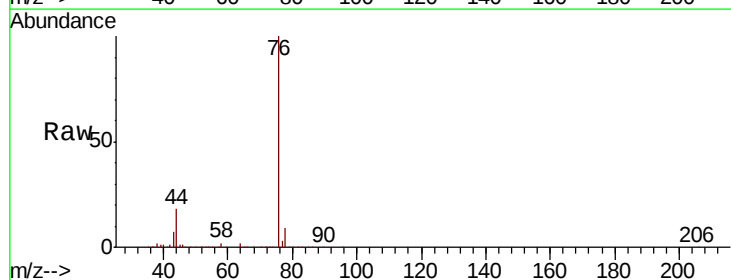
Acq: 07 Jul 2020 09:28

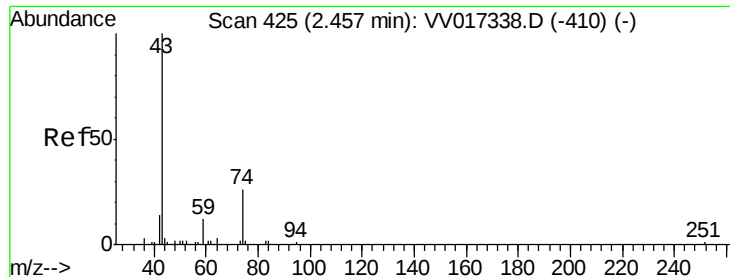
Tgt Ion: 76 Resp: 105797

Ion Ratio Lower Upper

76 100

78 8.9 7.7 11.5

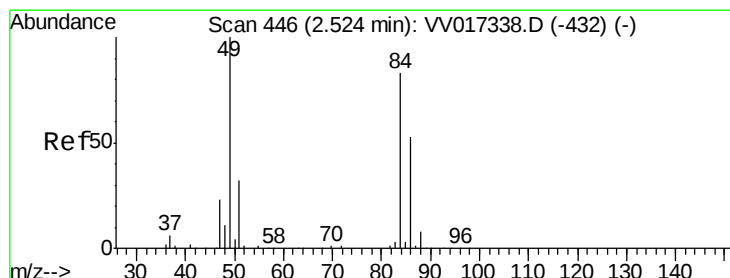
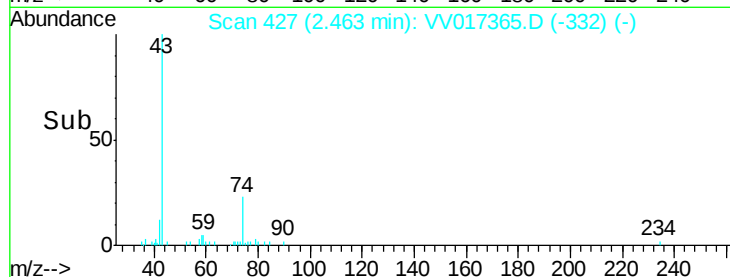
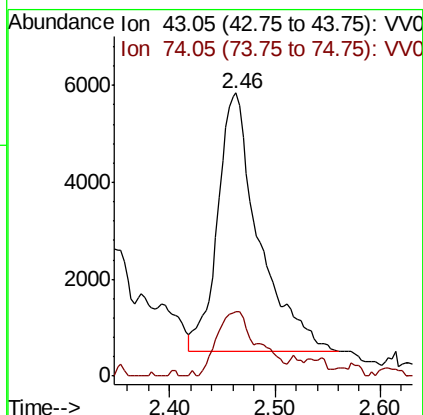
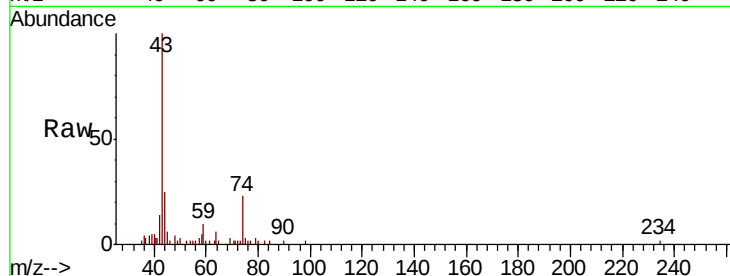




#15
Methvl Acetate
Concen: 4.515 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.01 min
Lab File: VV017365.D
Acq: 07 Jul 2020 09:28

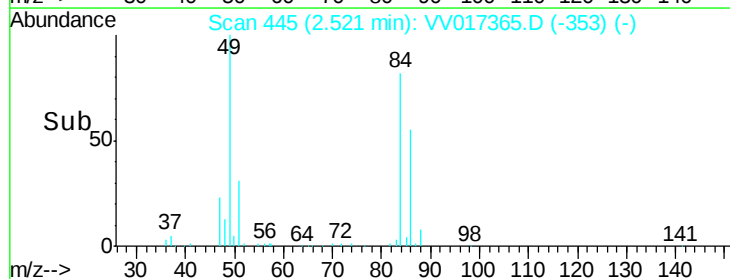
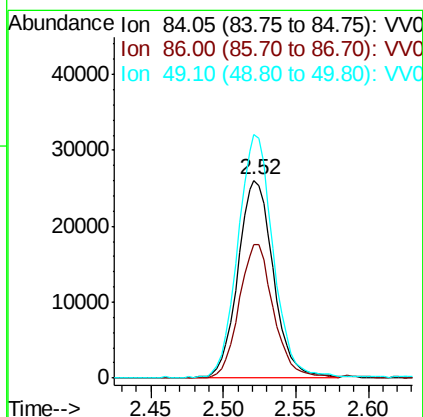
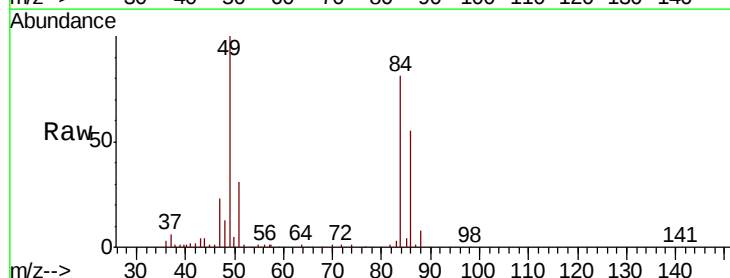
Instrument :
MSVOA_V
ClientSampleId :

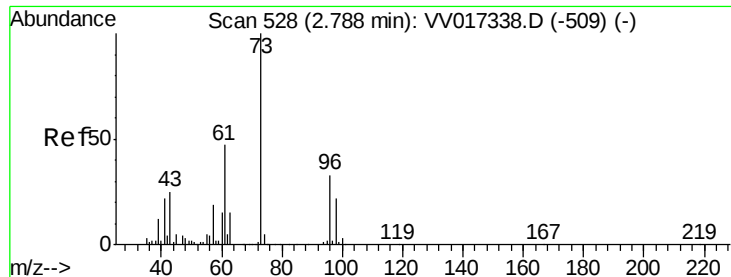
Tot Ion: 43 Resp: 14453
Ion Ratio Lower Upper
43 100
74 25.6 19.1 28.7



#16
Methylene chloride
Concen: 5.087 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV017365.D
Acq: 07 Jul 2020 09:28

Tgt Ion: 84 Resp: 44272
Ion Ratio Lower Upper
84 100
86 67.4 45.8 85.0
49 123.2 89.6 166.4

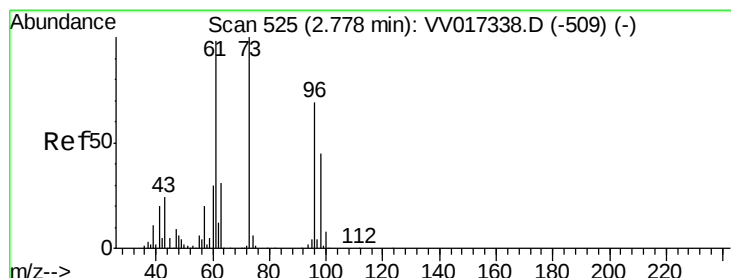
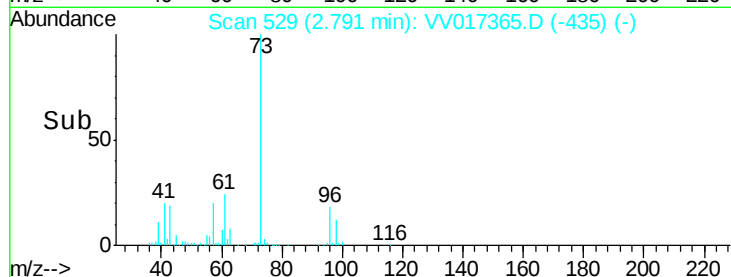
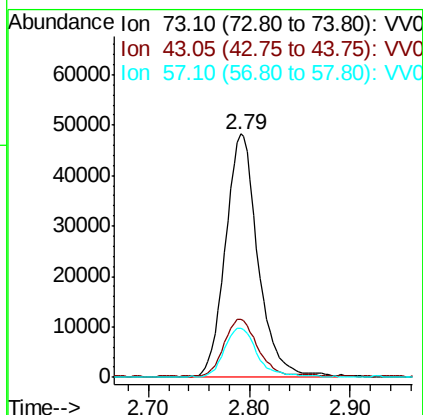
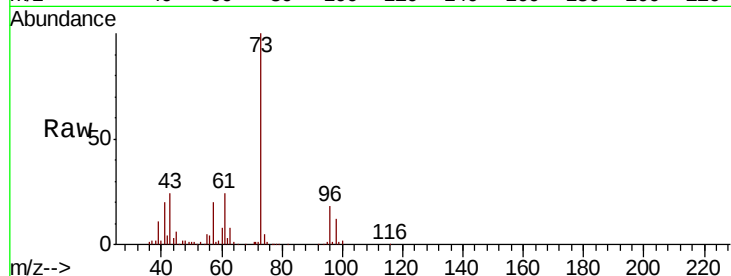




#17
Methvl tert-butvl Ether
Concen: 5.330 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV017365.D
Acq: 07 Jul 2020 09:28

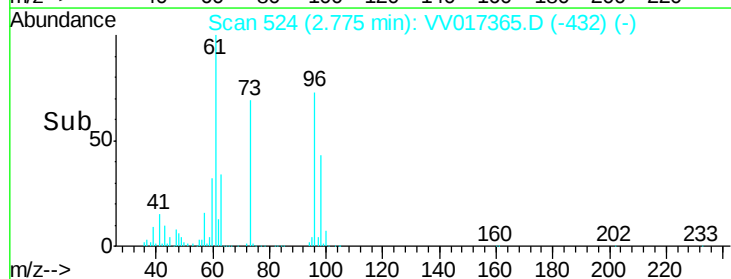
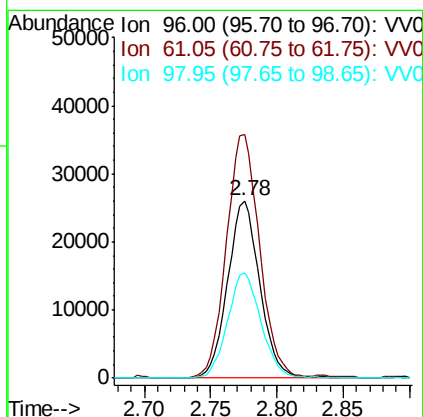
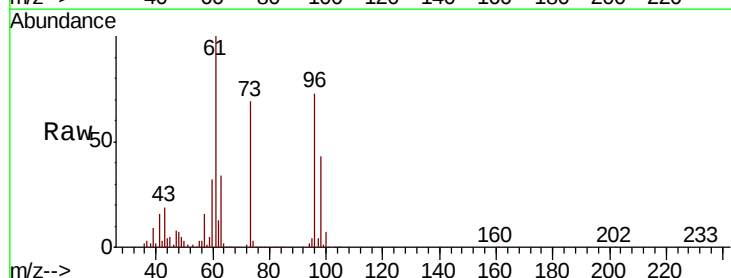
Instrument :
MSVOA_V
ClientSampled :

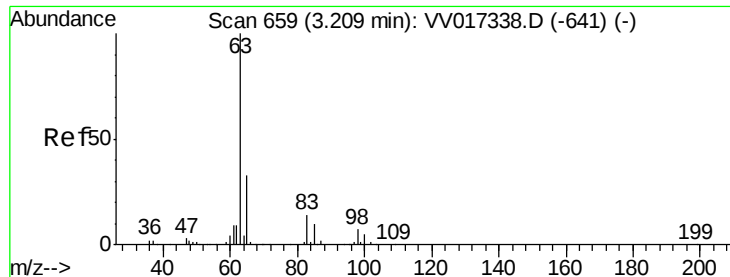
Tot Ion: 73 Resp: 108757
Ion Ratio Lower Upper
73 100
43 23.5 18.6 28.0
57 19.7 16.4 24.6



#18
trans-1,2-Dichloroethene
Concen: 5.102 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV017365.D
Acq: 07 Jul 2020 09:28

Tgt Ion: 96 Resp: 43936
Ion Ratio Lower Upper
96 100
61 137.1 102.3 189.9
98 59.4 44.7 82.9

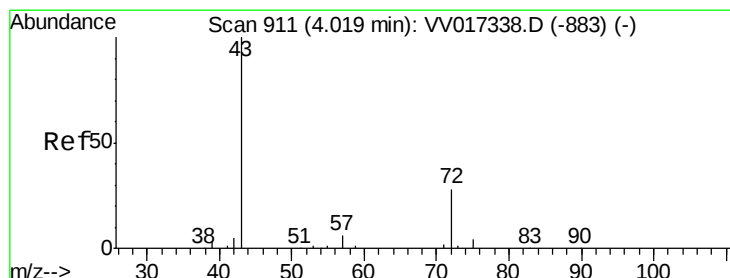
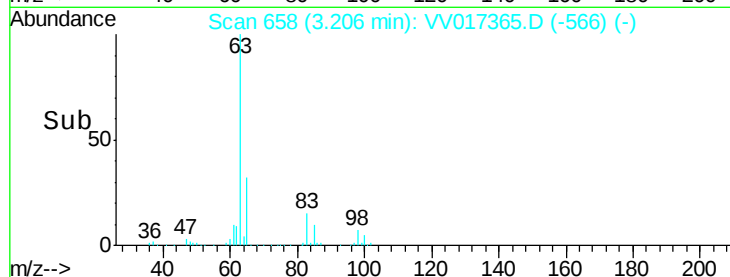
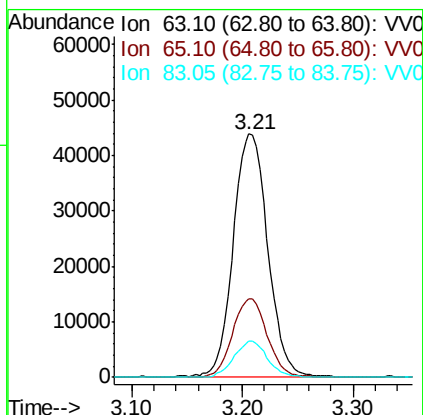
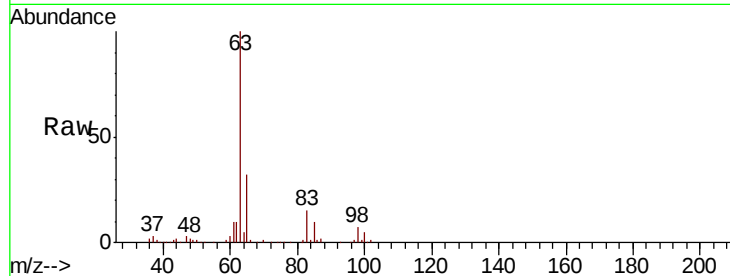




#19
 1,1-Dichloroethane
 Concen: 4.895 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VV017365.D
 Acq: 07 Jul 2020 09:28

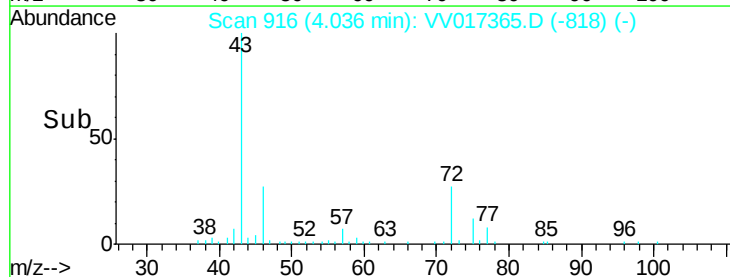
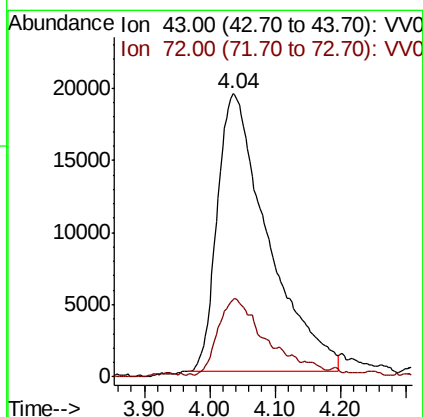
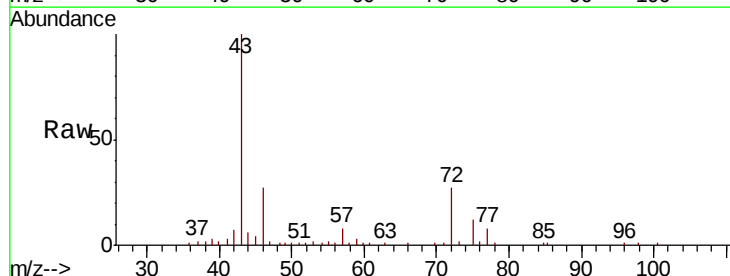
Instrument :
 MSVOA_V
 ClientSampled :

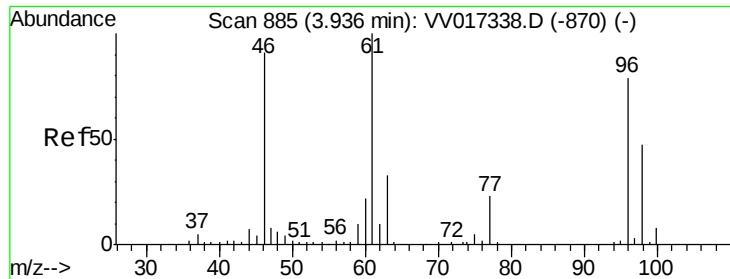
Tot Ion	63	Resp	94705
Ion Ratio	Lower	Upper	
63	100		
65	32.4	21.8	40.4
83	15.1	9.7	17.9



#21
 2-Butanone
 Concen: 42.063 ug/L
 RT: 4.04 min Scan# 916
 Delta R.T. 0.02 min
 Lab File: VV017365.D
 Acq: 07 Jul 2020 09:28

Tgt Ion	43	Resp	103806
Ion Ratio	Lower	Upper	
43	100		
72	21.3	12.4	37.4



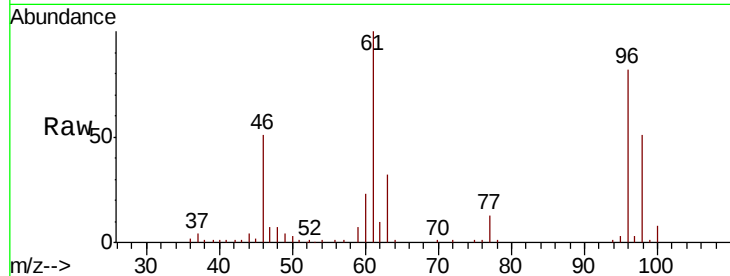


#22

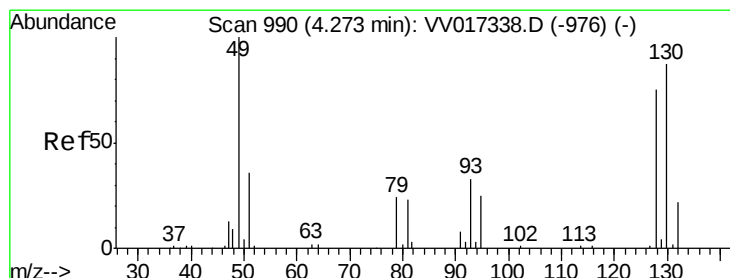
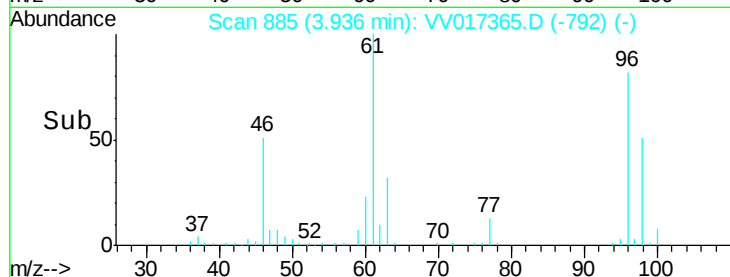
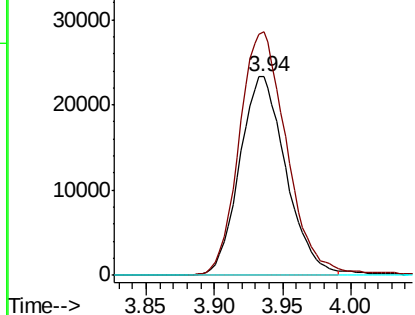
cis-1,2-Dichloroethene
Concen: 4.661 ug/L
RT: 3.94 min Scan# 885
Delta R.T. 0.00 min
Lab File: VV017365.D
Acq: 07 Jul 2020 09:28

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 54884
Ion Ratio Lower Upper
96 100
61 122.5 91.0 169.0
68 0.0 0.0 0.0



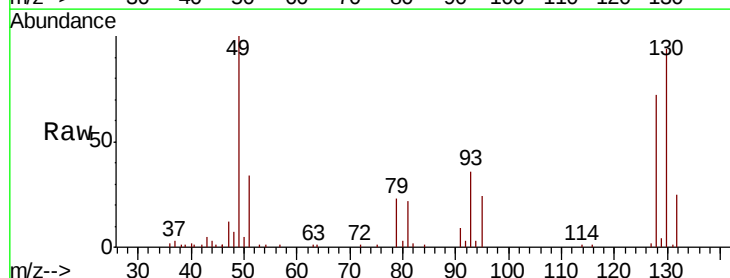
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



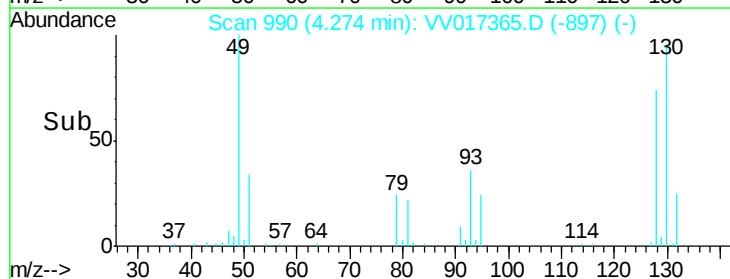
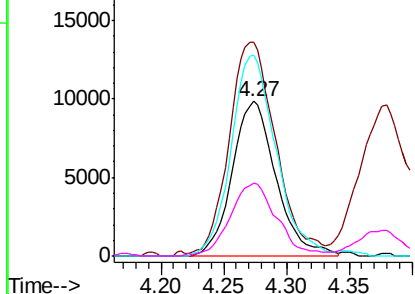
#23

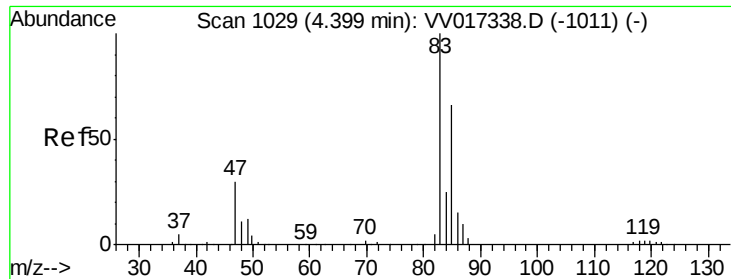
Bromochloromethane
Concen: 4.808 ug/L
RT: 4.27 min Scan# 990
Delta R.T. 0.00 min
Lab File: VV017365.D
Acq: 07 Jul 2020 09:28

Tgt Ion: 128 Resp: 24058
Ion Ratio Lower Upper
128 100
49 138.0 110.8 205.8
130 129.9 86.0 159.8
51 47.5 39.4 59.2



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

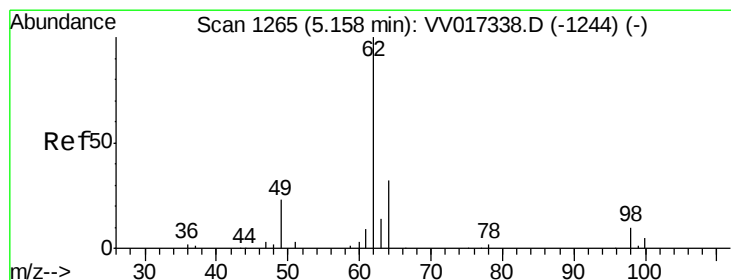
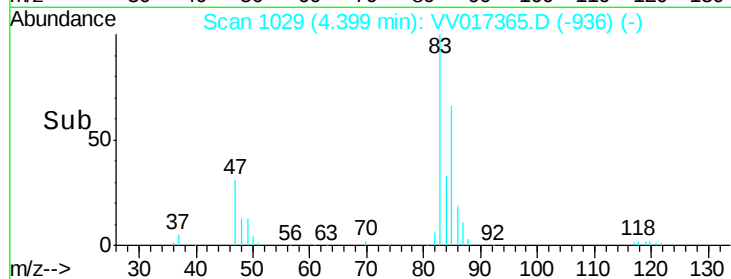
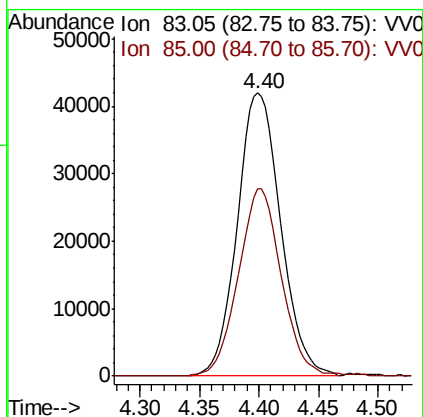
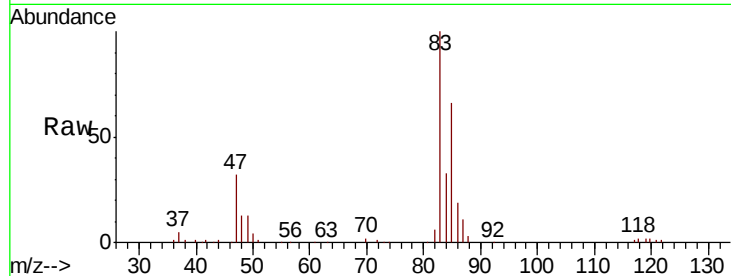




#25
Chloroform
Concen: 5.025 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV017365.D
Acq: 07 Jul 2020 09:28

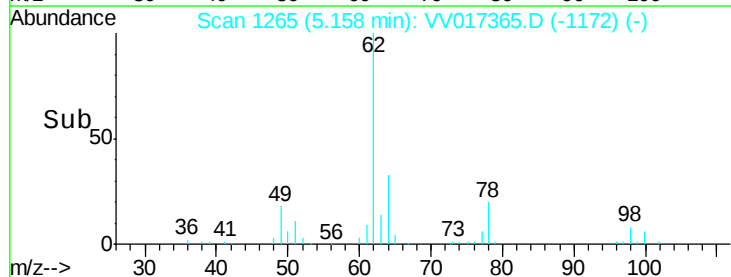
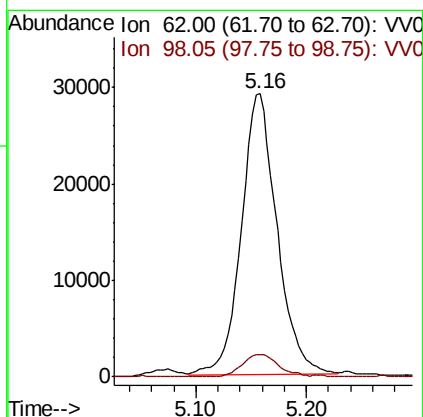
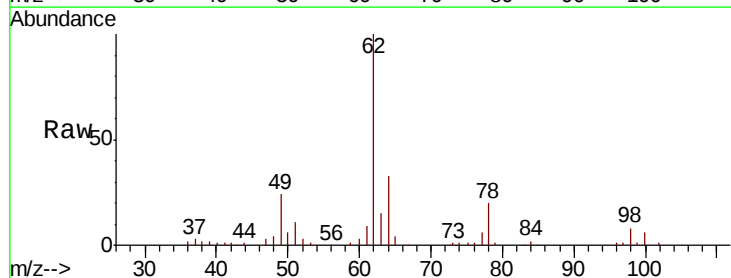
Instrument :
MSVOA_V
ClientSampleId :

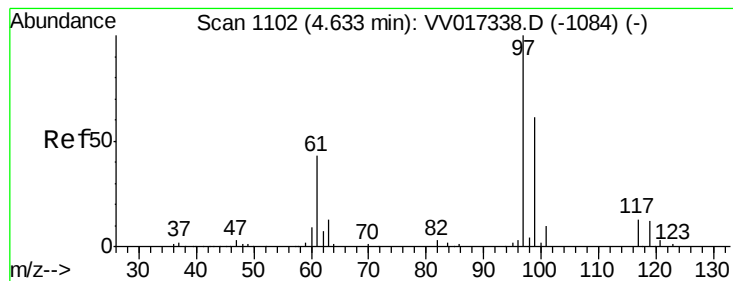
Tot Ion: 83 Resp: 106187
Ion Ratio Lower Upper
83 100
85 66.2 44.2 82.2



#27
1,2-Dichloroethane
Concen: 4.988 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV017365.D
Acq: 07 Jul 2020 09:28

Tgt Ion: 62 Resp: 65492
Ion Ratio Lower Upper
62 100
98 8.0 6.7 10.1





#29

1,1,1-Trichloroethane

Concen: 5.226 ug/L

RT: 4.63 min Scan# 1100

Delta R.T. -0.01 min

Lab File: VV017365.D

Acq: 07 Jul 2020 09:28

Instrument :
MSVOA_V
ClientSampled :

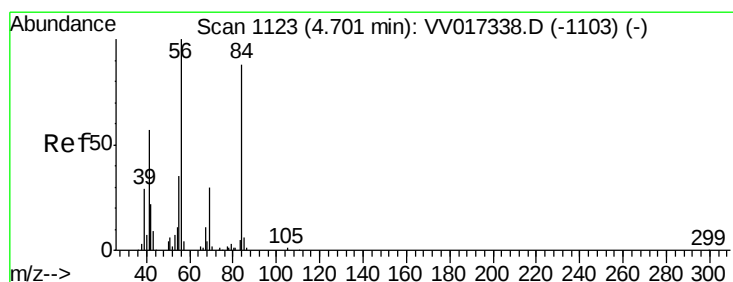
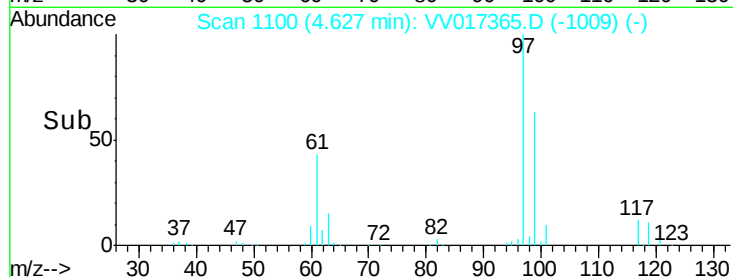
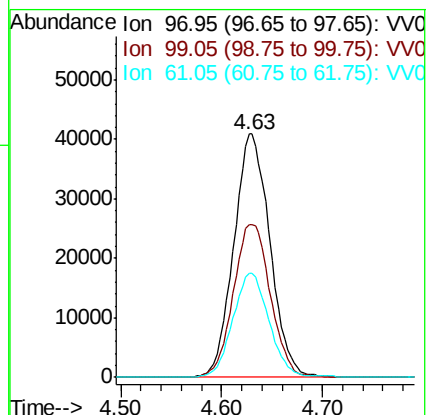
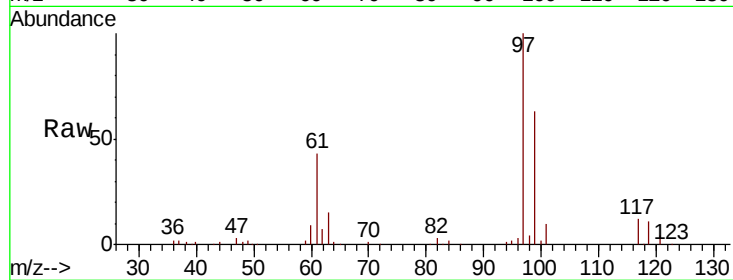
Tot Ion: 97 Resp: 101830

Ion Ratio Lower Upper

97 100

99 64.5 50.3 75.5

61 42.9 36.0 54.0



#30

Cyclohexane

Concen: 3.986 ug/L

RT: 4.69 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VV017365.D

Acq: 07 Jul 2020 09:28

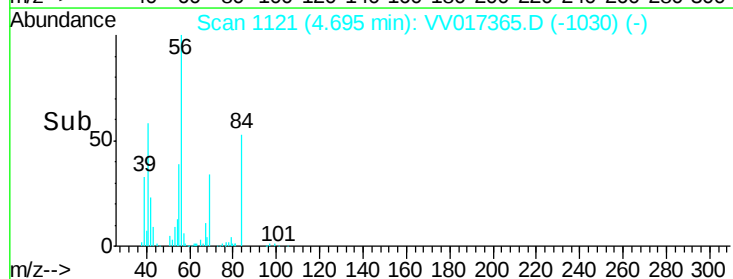
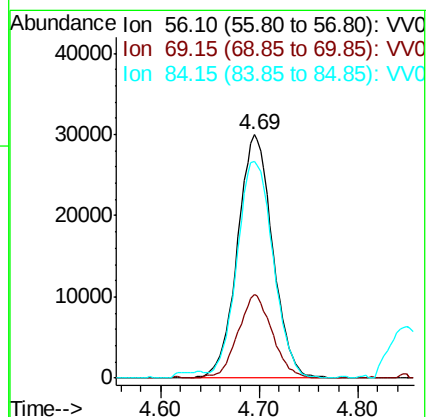
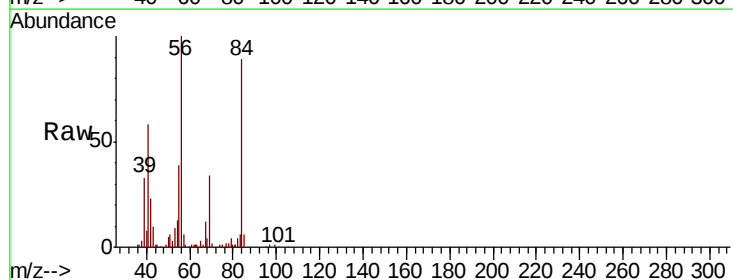
Tgt Ion: 56 Resp: 73900

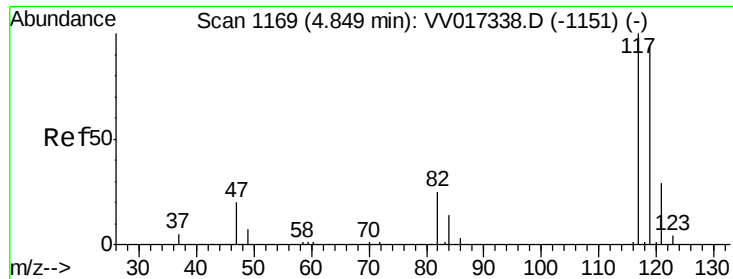
Ion Ratio Lower Upper

56 100

69 33.5 24.4 36.6

84 92.0 69.9 104.9

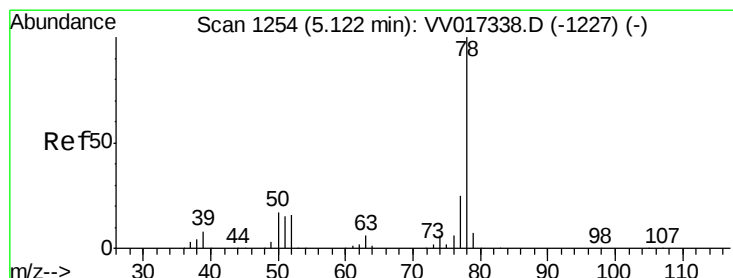
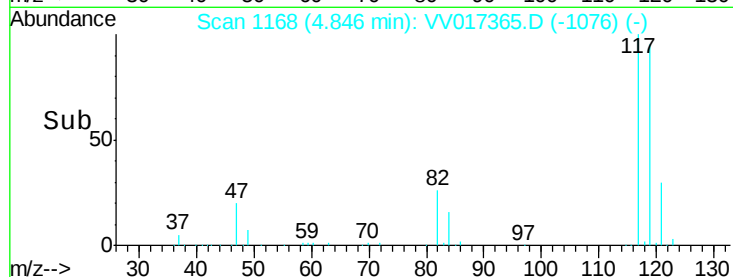
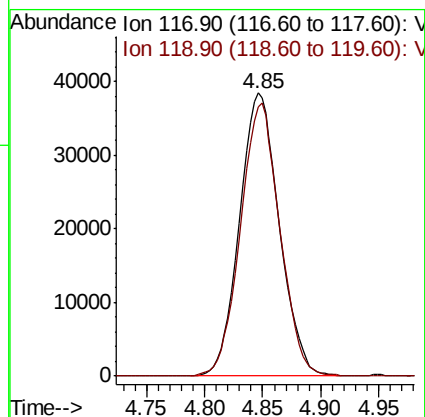
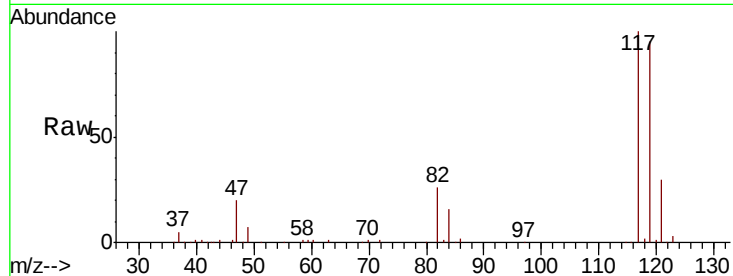




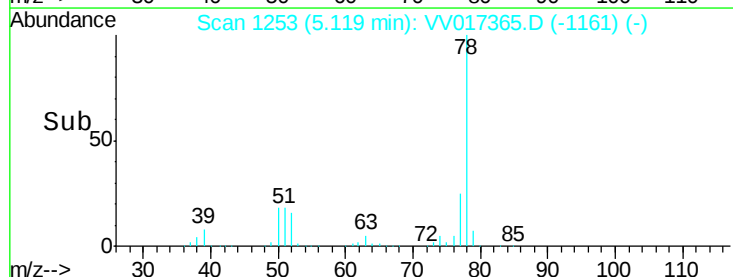
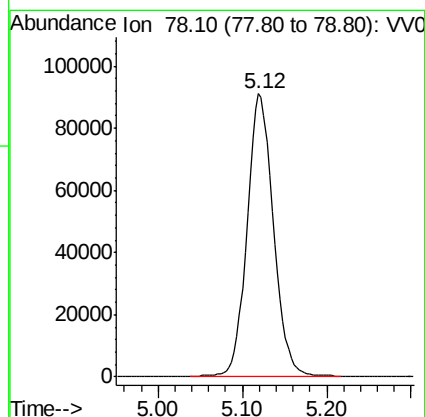
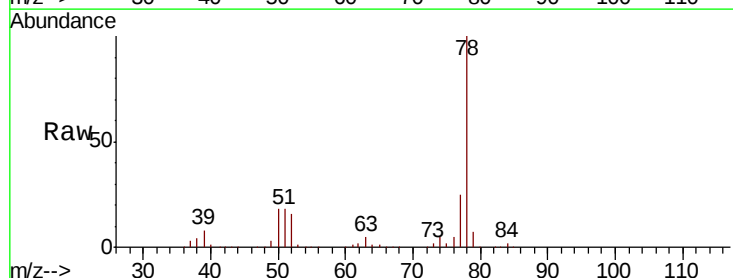
#31
Carbon tetrachloride
Concen: 5.210 ug/L
RT: 4.85 min Scan# 1168
Delta R.T. -0.00 min
Lab File: VV017365.D
Acq: 07 Jul 2020 09:28

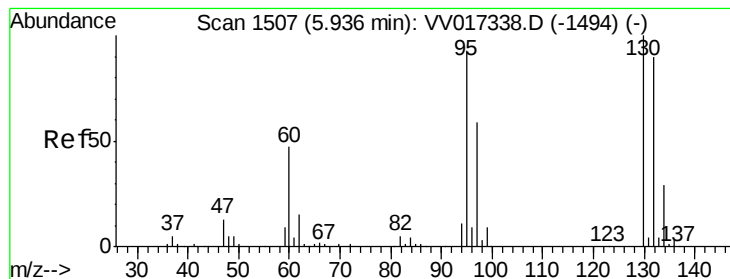
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 91600
Ion Ratio Lower Upper
117 100
119 95.7 77.8 116.8



#33
Benzene
Concen: 4.677 ug/L
RT: 5.12 min Scan# 1253
Delta R.T. -0.00 min
Lab File: VV017365.D
Acq: 07 Jul 2020 09:28
Tgt Ion: 78 Resp: 199212





#34

Trichloroethene

Concen: 4.568 ug/L

RT: 5.93 min Scan# 1506

Delta R.T. -0.00 min

Lab File: VV017365.D

Acq: 07 Jul 2020 09:28

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 56971

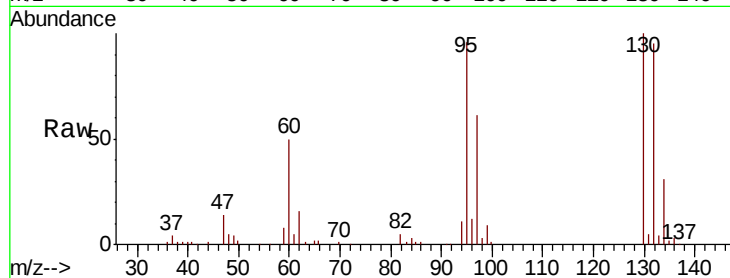
Ion Ratio Lower Upper

95 100

97 63.6 45.3 84.1

132 99.0 68.8 127.8

130 104.1 70.2 130.4

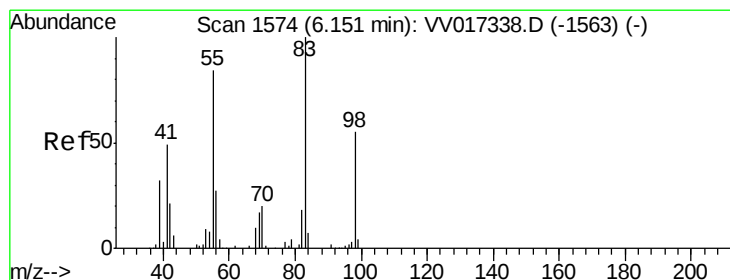
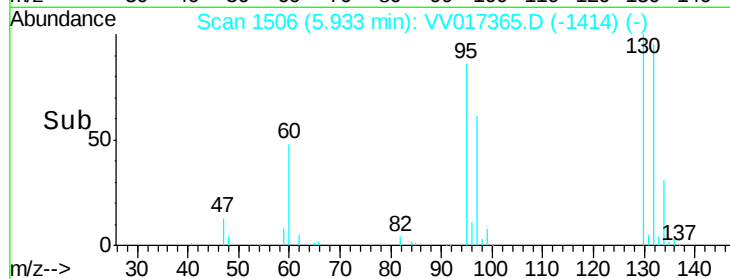
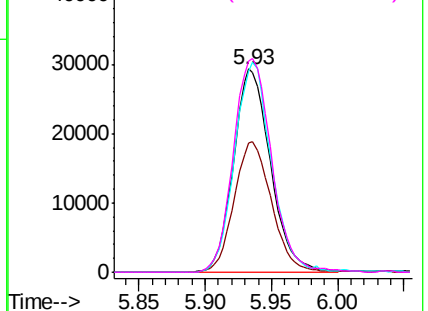


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.151 ug/L

RT: 6.15 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VV017365.D

Acq: 07 Jul 2020 09:28

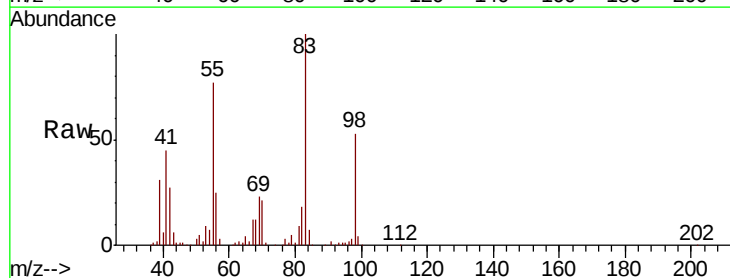
Tgt Ion: 83 Resp: 80471

Ion Ratio Lower Upper

83 100

55 79.0 63.6 95.4

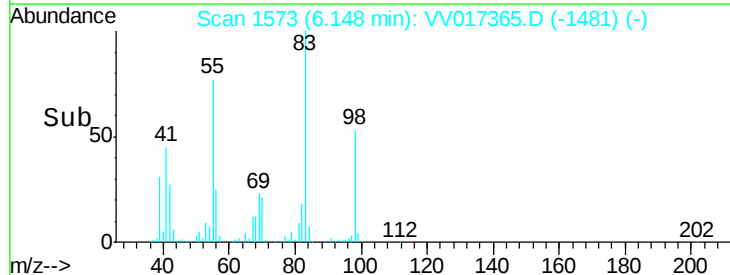
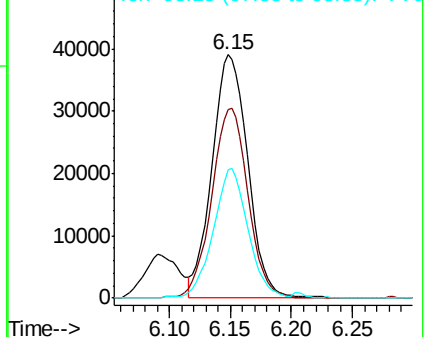
98 51.5 38.8 58.2

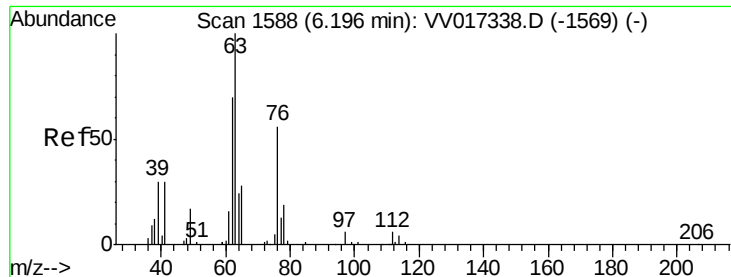


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

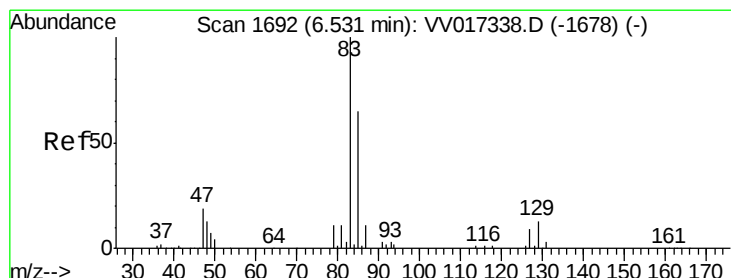
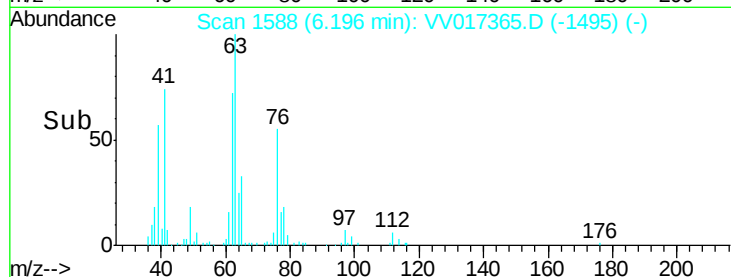
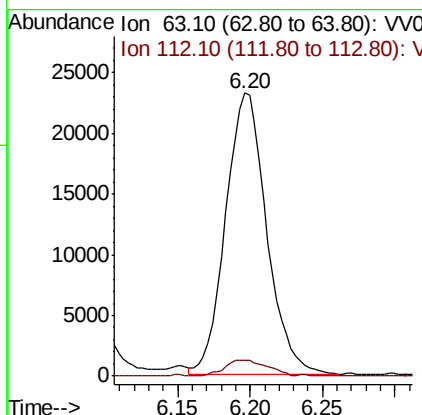
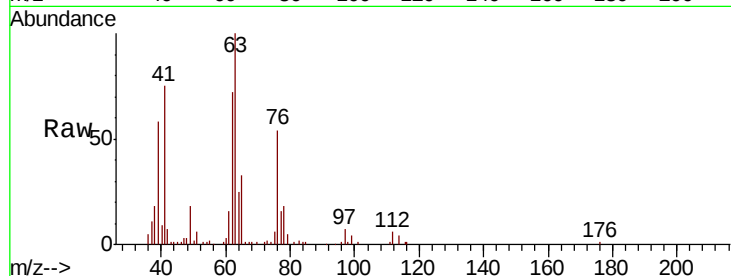




#37
 1,2-Dichloropropane
 Concen: 4.312 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV017365.D
 Acq: 07 Jul 2020 09:28

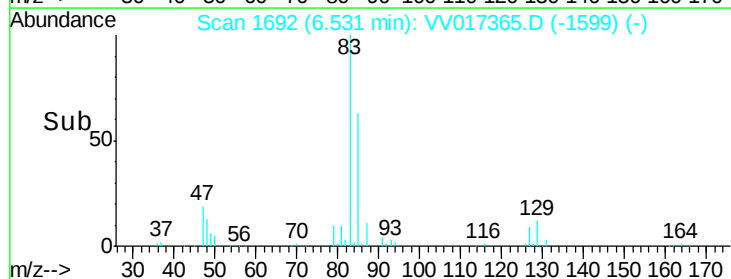
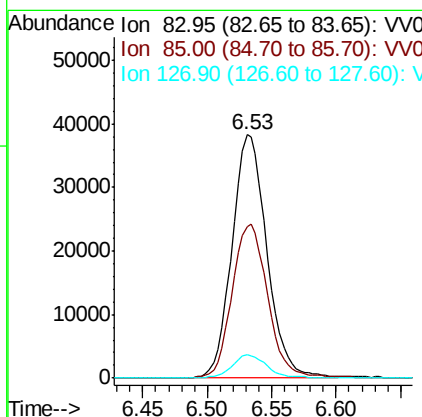
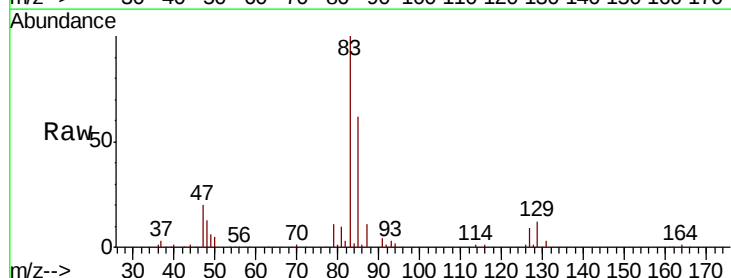
Instrument :
 MSVOA_V
 ClientSampled :

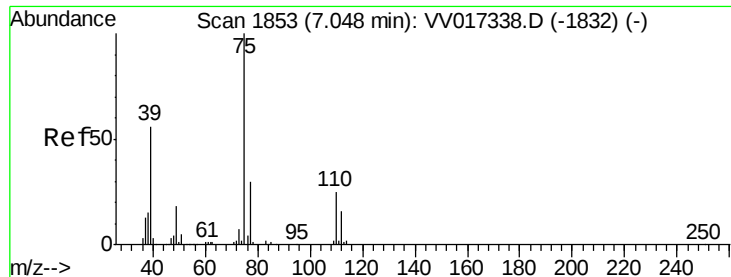
Tot Ion: 63 Resp: 45461
 Ion Ratio Lower Upper
 63 100
 112 5.9 4.4 6.6



#38
 Bromodichloromethane
 Concen: 4.988 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV017365.D
 Acq: 07 Jul 2020 09:28

Tgt Ion: 83 Resp: 71438
 Ion Ratio Lower Upper
 83 100
 85 62.5 43.4 80.6
 127 9.5 7.9 11.9



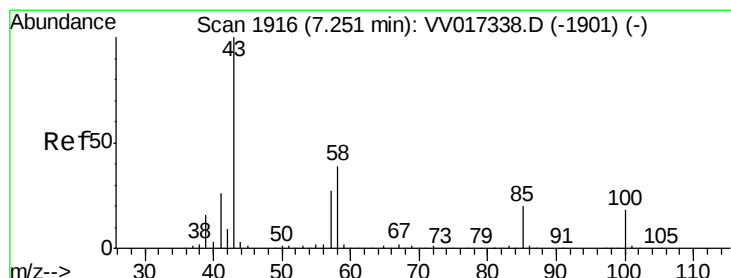
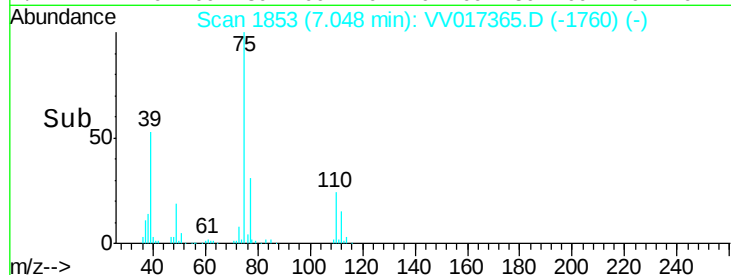
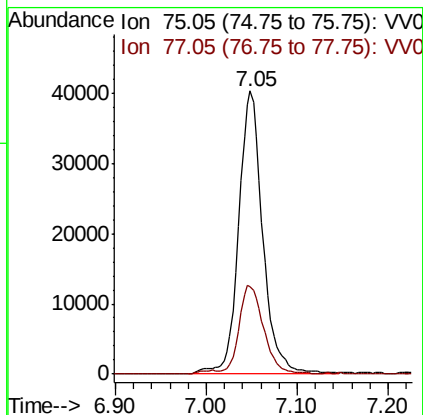
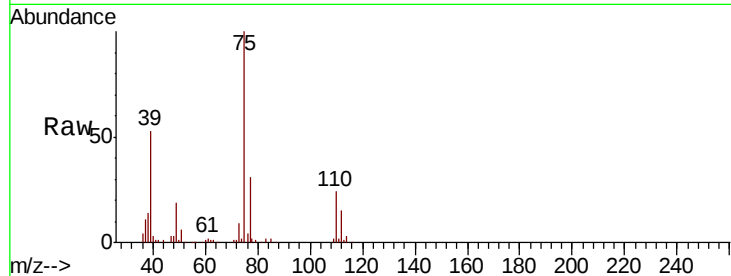


#39

cis-1,3-Dichloropropene
Concen: 4.743 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV017365.D
Acq: 07 Jul 2020 09:28

Instrument :
MSVOA_V
ClientSampleId :

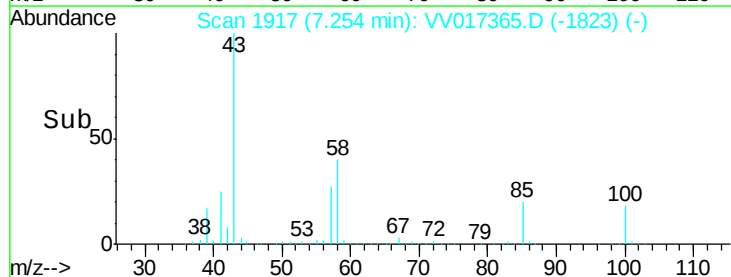
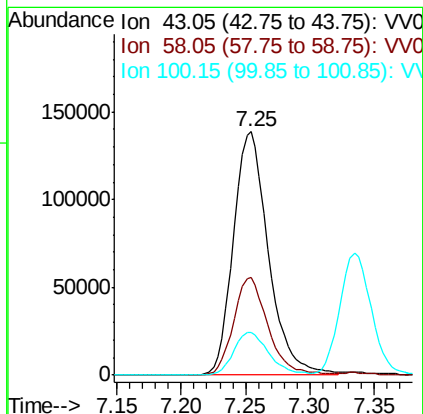
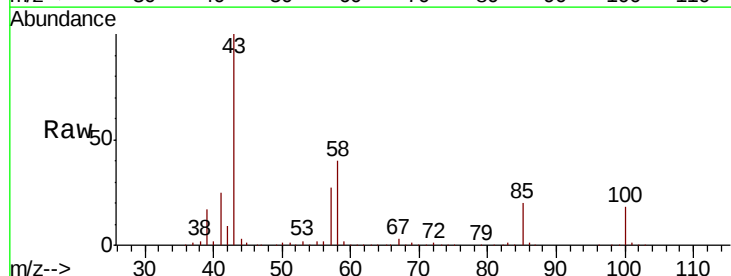
Tot Ion: 75 Resp: 74300
Ion Ratio Lower Upper
75 100
77 30.9 22.3 41.5

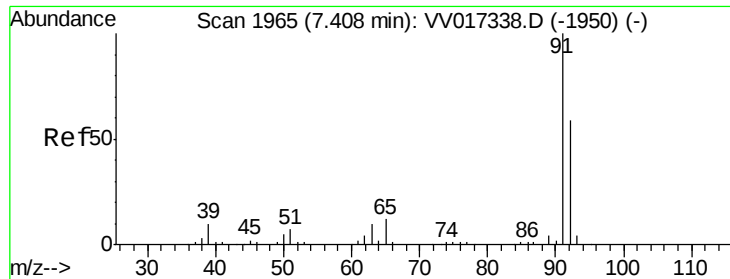


#40

4-Methyl-2-pentanone
Concen: 43.143 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VV017365.D
Acq: 07 Jul 2020 09:28

Tgt Ion: 43 Resp: 262631
Ion Ratio Lower Upper
43 100
58 39.4 30.4 45.6
100 17.8 12.7 19.1





#42

Toluene

Concen: 4.477 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV017365.D

Acq: 07 Jul 2020 09:28

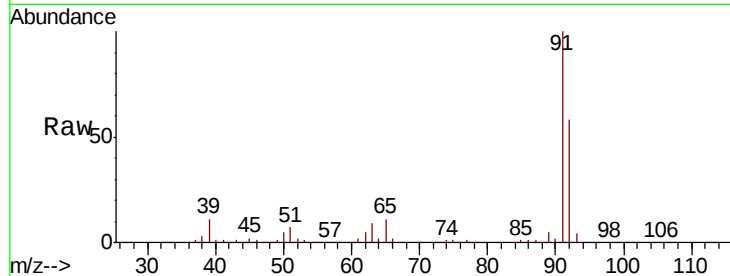
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 221664

Ion Ratio Lower Upper

91 100

92 57.8 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV017338.D (-1950) (-)

Ion 92.15 (91.85 to 92.85): VV017338.D (-1950) (-)

7.41

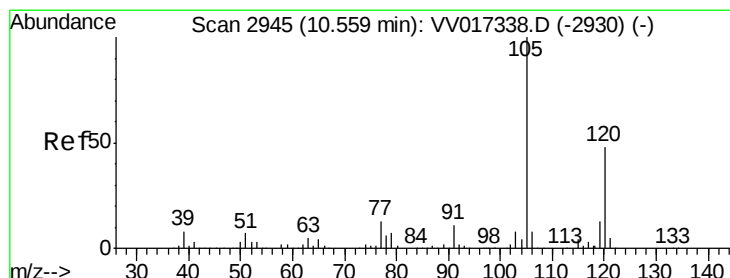
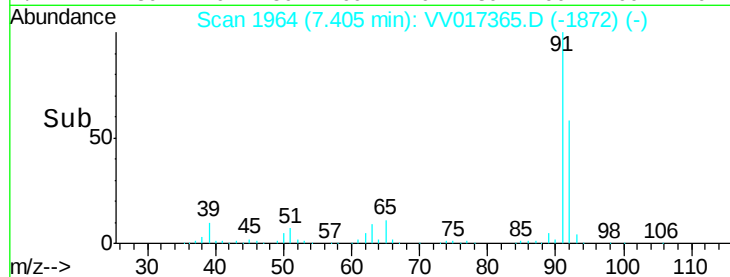
150000

100000

50000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 4.963 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV017365.D

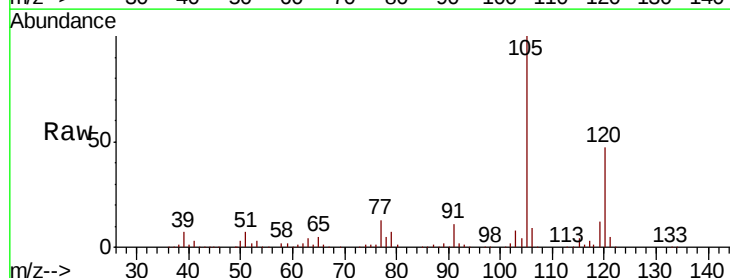
Acq: 07 Jul 2020 09:28

Tgt Ion:105 Resp: 219770

Ion Ratio Lower Upper

105 100

120 47.5 38.6 57.8



Abundance Ion 105.00 (104.70 to 105.70): VV017338.D (-2930) (-)

Ion 120.00 (119.70 to 120.70): VV017338.D (-2930) (-)

10.56

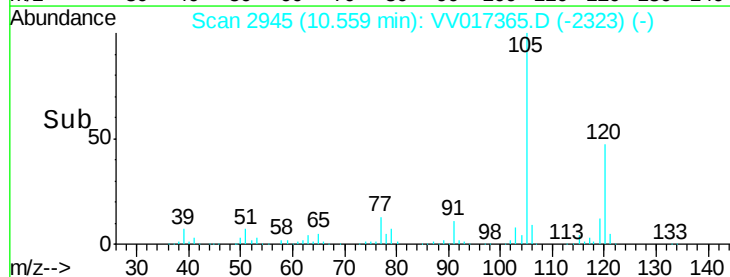
150000

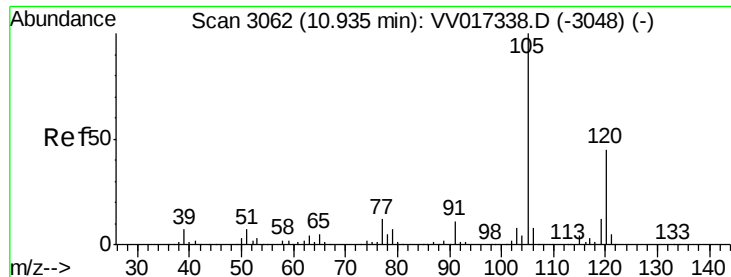
100000

50000

0

Time-->

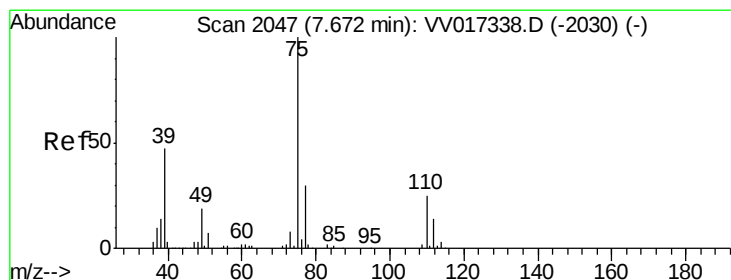
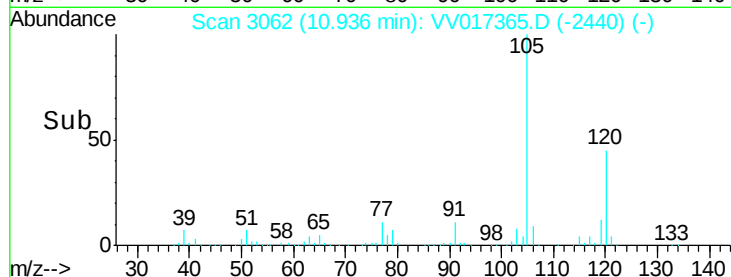
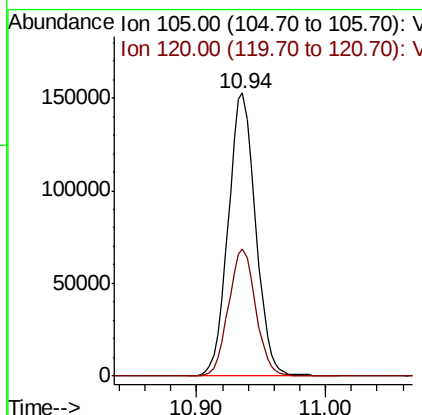
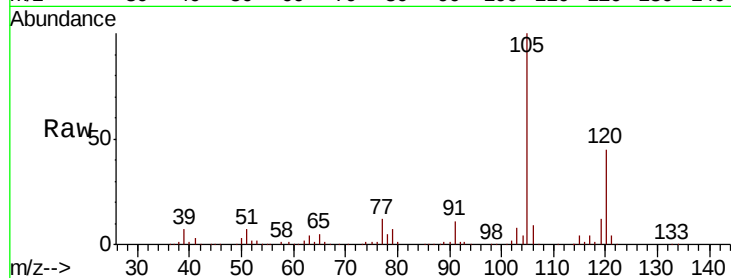




#44
 1,2,4-Trimethylbenzene
 Concen: 4.993 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV017365.D
 Acq: 07 Jul 2020 09:28

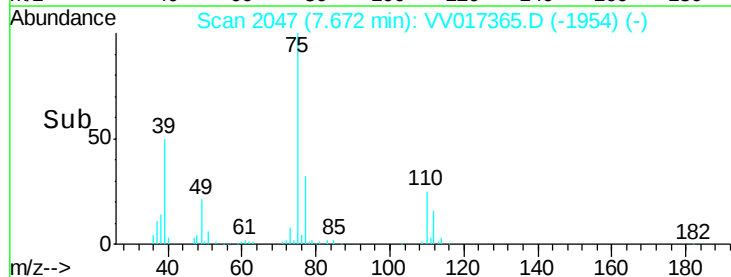
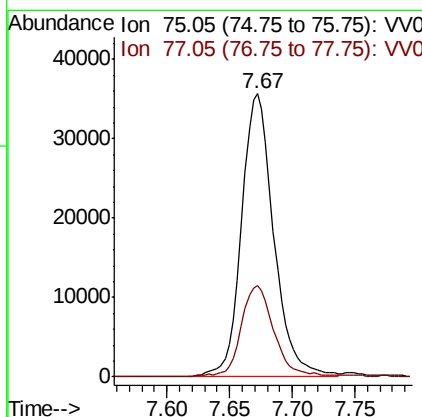
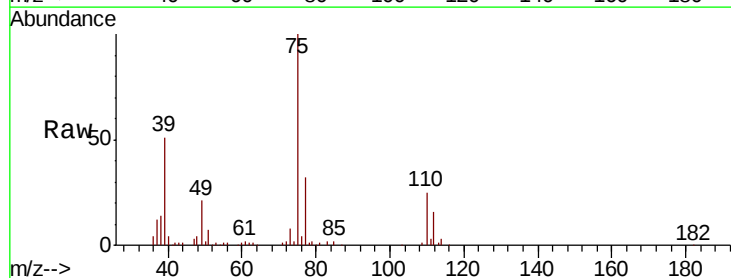
Instrument :
 MSVOA_V
 ClientSampleId :

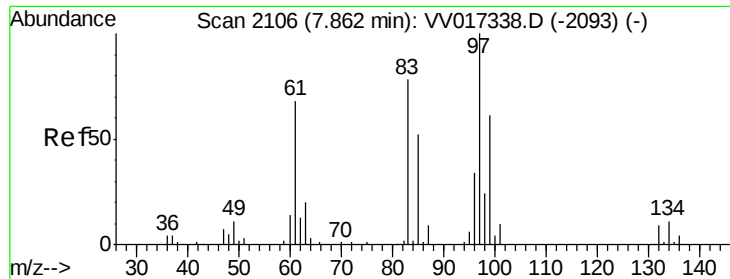
Tot Ion:105 Resp: 225142
 Ion Ratio Lower Upper
 105 100
 120 44.9 35.8 53.8



#46
 trans-1,3-Dichloropropene
 Concen: 4.723 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. 0.00 min
 Lab File: VV017365.D
 Acq: 07 Jul 2020 09:28

Tgt Ion: 75 Resp: 63999
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.3 41.3

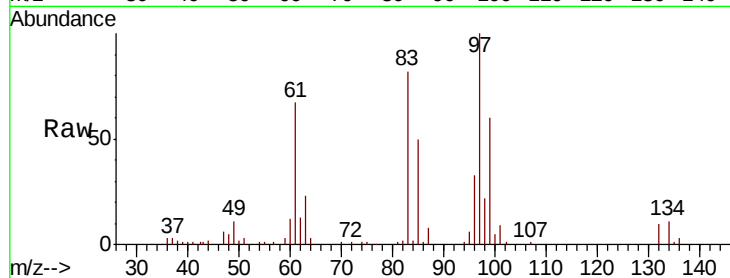




#47
 1,1,2-Trichloroethane
 Concen: 4.784 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV017365.D
 Acq: 07 Jul 2020 09:28

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	35778
Ion	Ratio	Lower	Upper
97	100		
99	59.8	43.6	81.0
83	81.5	57.4	106.6
85	49.7	38.8	72.0



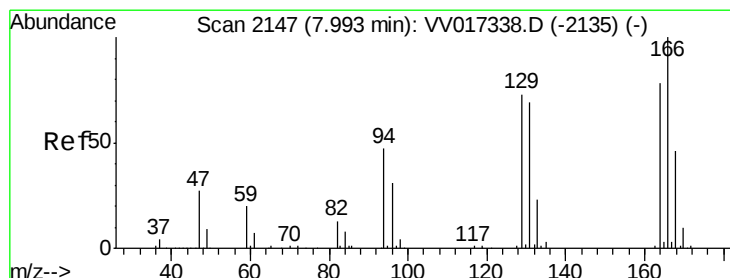
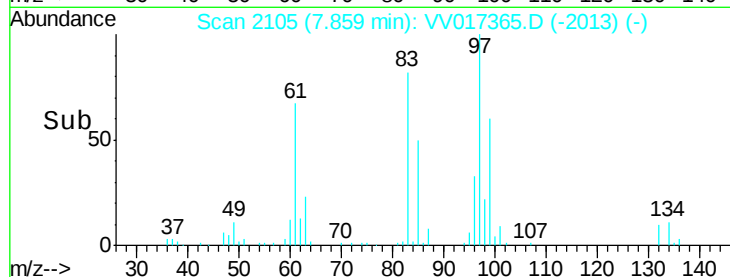
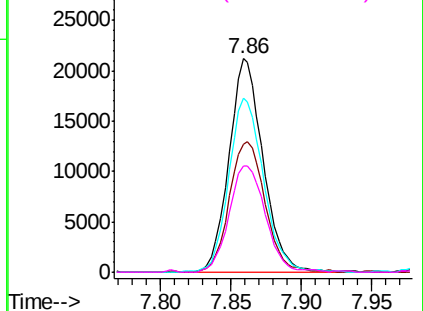
Abundance

Ion 96.95 (96.65 to 97.65): VV017338.D (-2093) (-)

Ion 99.05 (98.75 to 99.75): VV017338.D (-2093) (-)

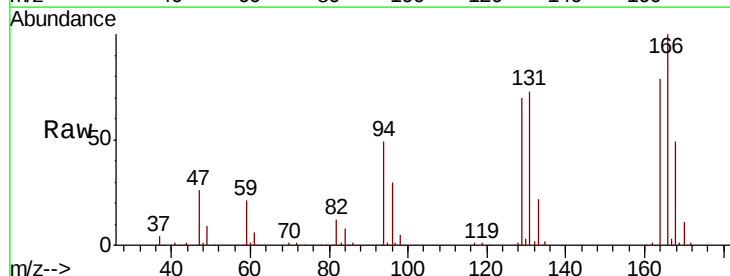
Ion 82.95 (82.65 to 83.65): VV017338.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV017338.D (-2093) (-)



#49
 Tetrachloroethene
 Concen: 4.996 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. 0.00 min
 Lab File: VV017365.D
 Acq: 07 Jul 2020 09:28

Tgt Ion:	164	Resp:	50149
Ion	Ratio	Lower	Upper
164	100		
129	88.7	65.2	121.0
131	92.0	64.1	119.1
166	126.7	90.2	167.4



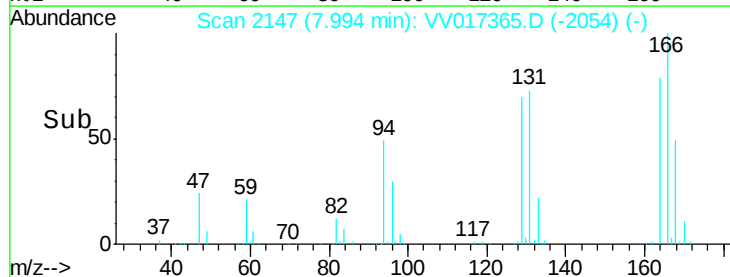
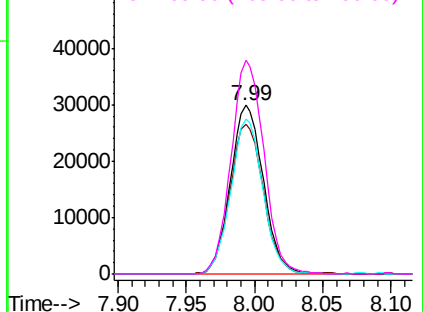
Abundance

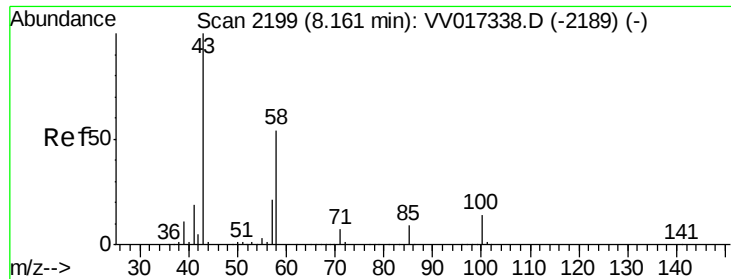
Ion 163.90 (163.60 to 164.60): VV017338.D (-2135) (-)

Ion 128.95 (128.65 to 129.65): VV017338.D (-2135) (-)

Ion 130.95 (130.65 to 131.65): VV017338.D (-2135) (-)

Ion 165.90 (165.60 to 166.60): VV017338.D (-2135) (-)

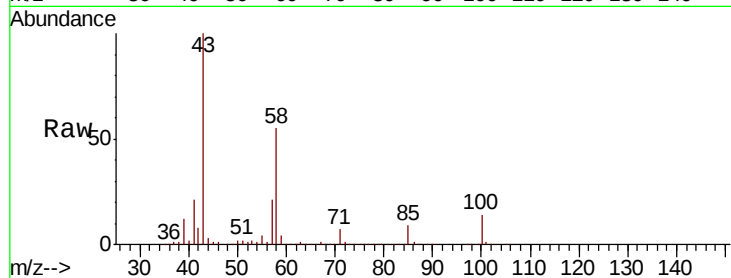




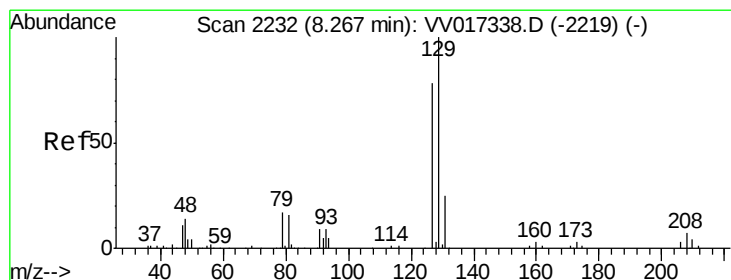
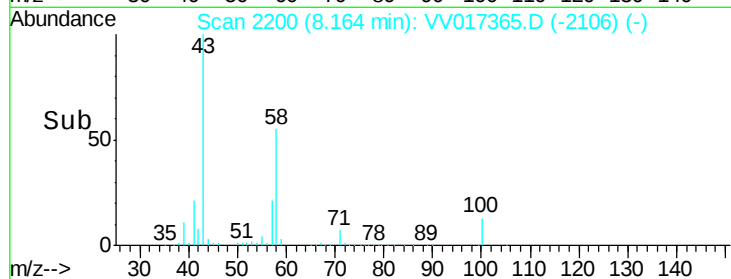
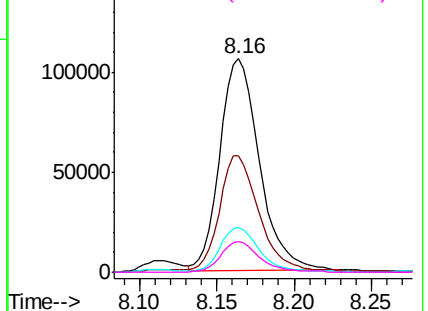
#50
2-Hexanone
Concen: 43.467 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV017365.D
Acq: 07 Jul 2020 09:28

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 188303
Ion Ratio Lower Upper
43 100
58 56.8 41.6 62.4
57 20.7 15.4 23.0
100 14.5 10.1 15.1

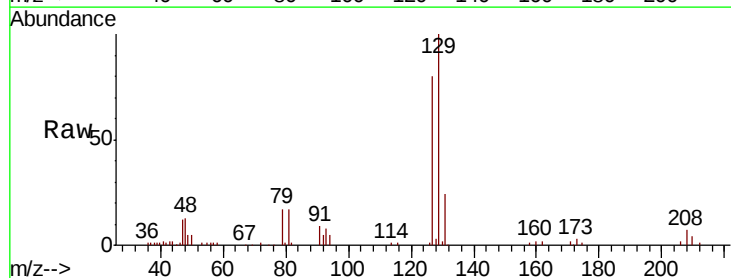


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

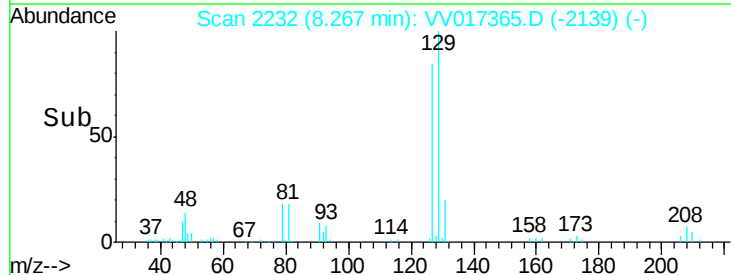
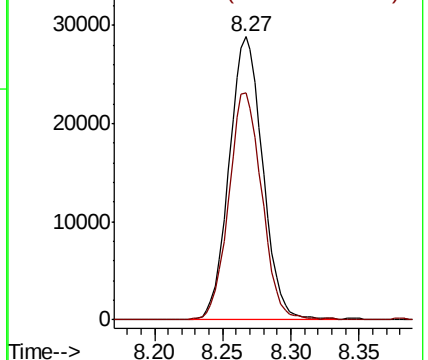


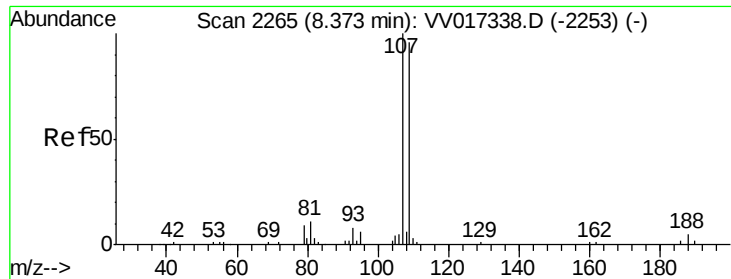
#51
Dibromochloromethane
Concen: 5.446 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017365.D
Acq: 07 Jul 2020 09:28

Tgt Ion: 129 Resp: 49368
Ion Ratio Lower Upper
129 100
127 80.4 54.1 100.5



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





#52

1,2-Dibromoethane

Concen: 4.662 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. 0.00 min

Lab File: VV017365.D

Acq: 07 Jul 2020 09:28

Instrument :

MSVOA_V

ClientSampleId :

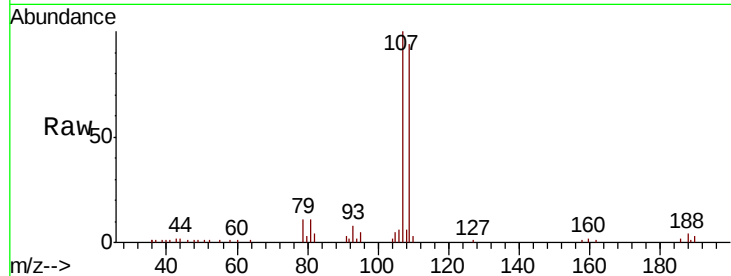
Tot Ion:107 Resp: 33065

Ion Ratio Lower Upper

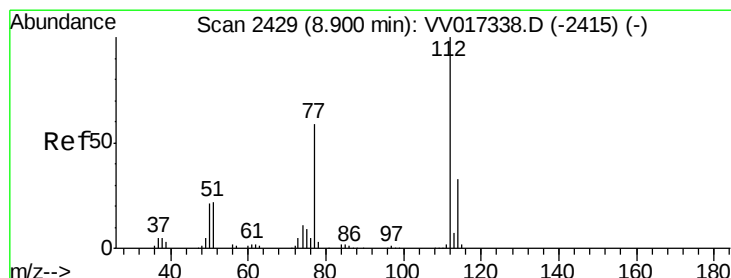
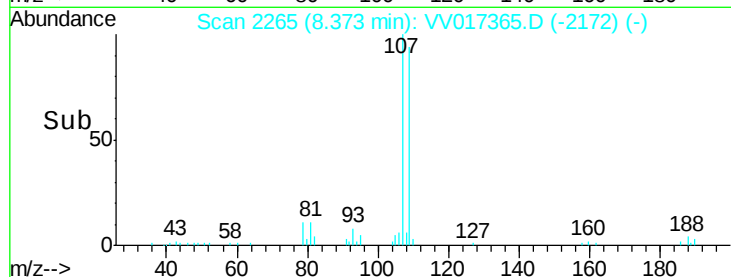
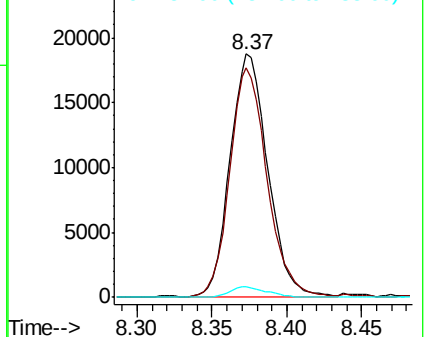
107 100

109 94.2 69.4 128.8

188 4.2 3.9 5.9



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: 4.742 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. 0.00 min

Lab File: VV017365.D

Acq: 07 Jul 2020 09:28

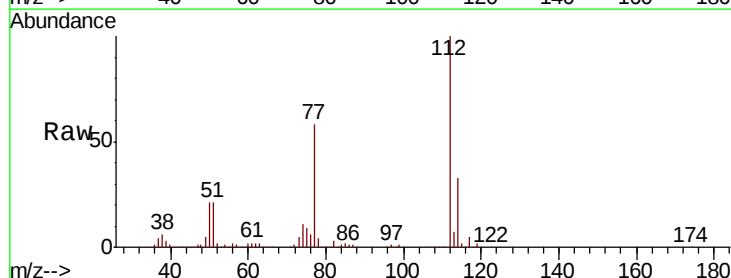
Tgt Ion:112 Resp: 146363

Ion Ratio Lower Upper

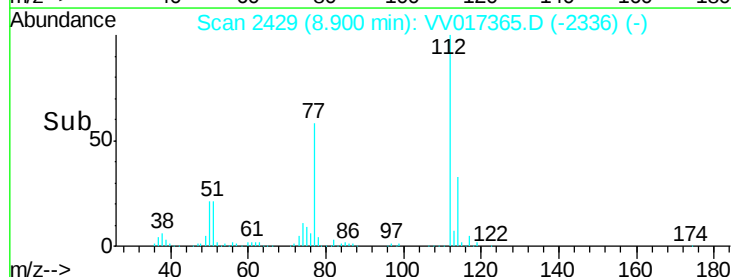
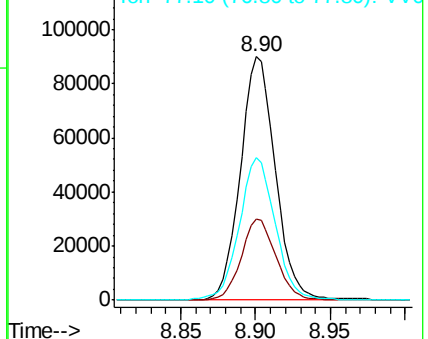
112 100

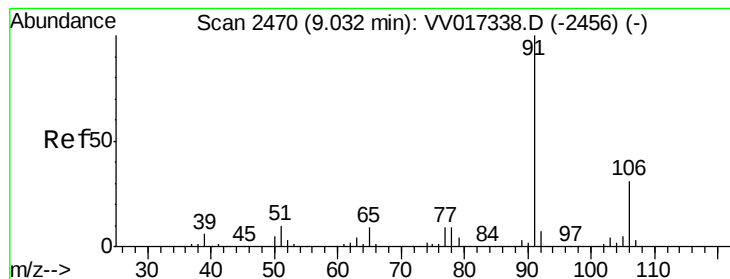
114 33.3 22.0 41.0

77 58.4 46.0 69.0



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





#54

Ethylbenzene

Concen: 4.794 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017365.D

Acq: 07 Jul 2020 09:28

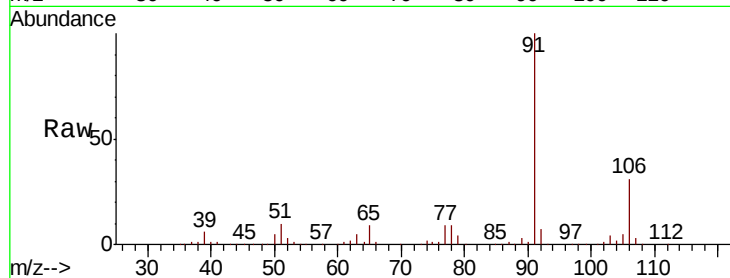
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 253378

Ion Ratio Lower Upper

91 100

106 30.6 21.1 39.1



Abundance Ion 91.15 (90.85 to 91.85): VV017338.D (-2456) (-)

Ion 106.15 (105.85 to 106.85): VV017338.D (-2456) (-)

9.03

150000

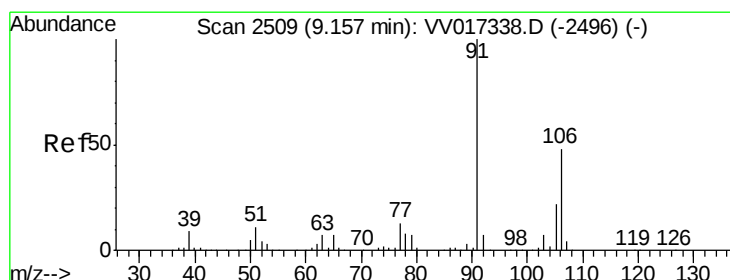
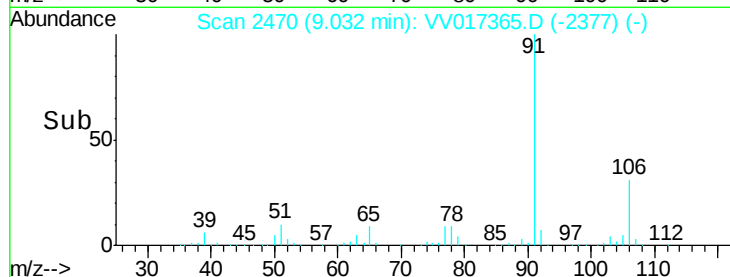
100000

50000

0

8.95 9.00 9.05 9.10 9.15

Time-->



#55

m,p-xylene

Concen: 4.767 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017365.D

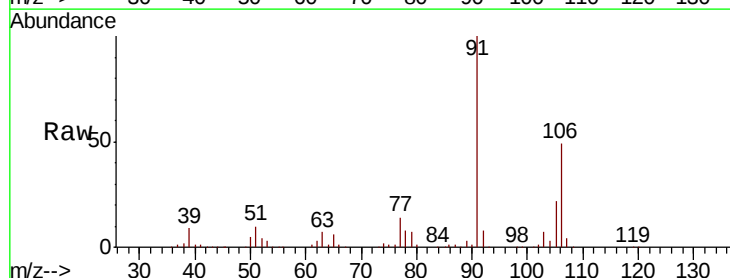
Acq: 07 Jul 2020 09:28

Tgt Ion: 106 Resp: 98821

Ion Ratio Lower Upper

106 100

91 205.5 142.7 264.9



Abundance Ion 106.15 (105.85 to 106.85): VV017338.D (-2496) (-)

Ion 91.15 (90.85 to 91.85): VV017338.D (-2496) (-)

9.16

150000

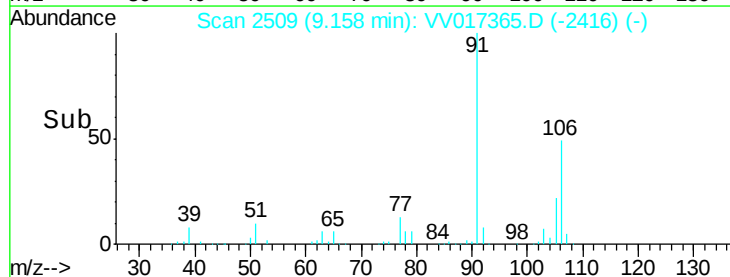
100000

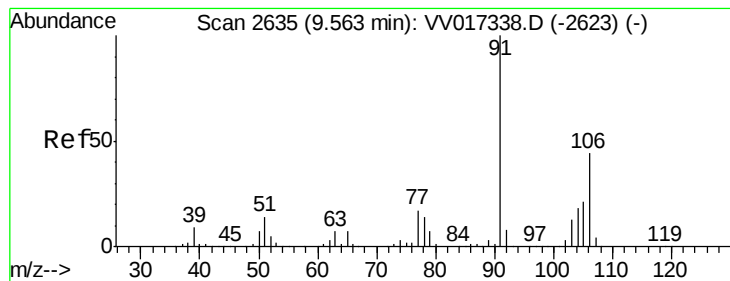
50000

0

9.10 9.15 9.20 9.25

Time-->





#56

o-xylene

Concen: 4.784 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV017365.D

Acq: 07 Jul 2020 09:28

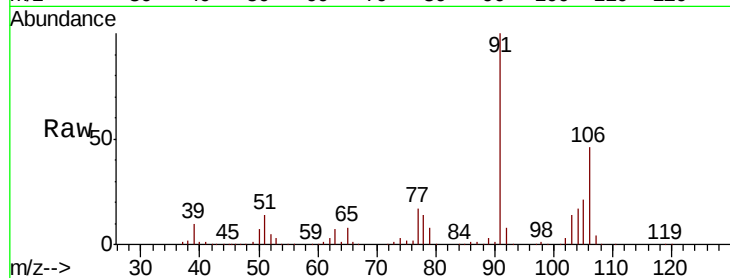
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 92550

Ion Ratio Lower Upper

106 100

91 217.1 153.6 285.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

150000

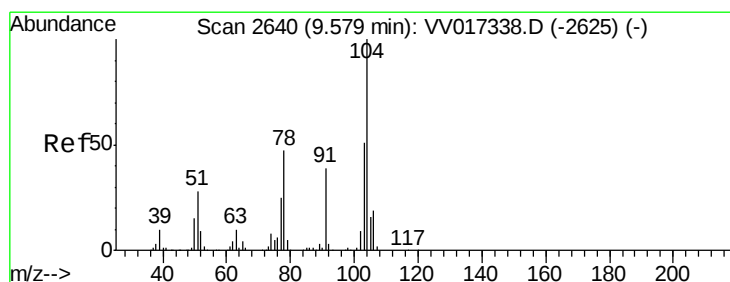
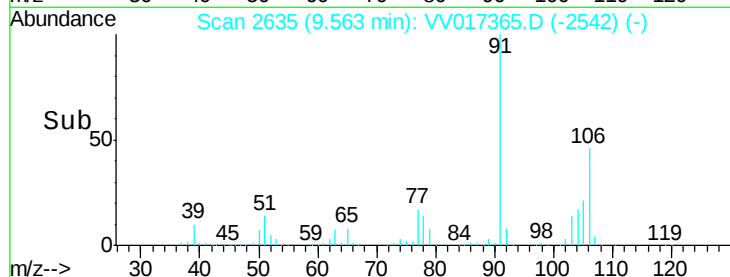
100000

50000

0

9.50 9.55 9.60

Time-->



#57

Styrene

Concen: 5.001 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV017365.D

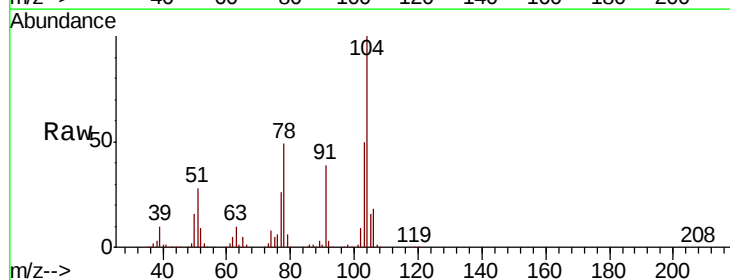
Acq: 07 Jul 2020 09:28

Tgt Ion:104 Resp: 160296

Ion Ratio Lower Upper

104 100

78 48.6 33.9 62.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

120000

100000

80000

60000

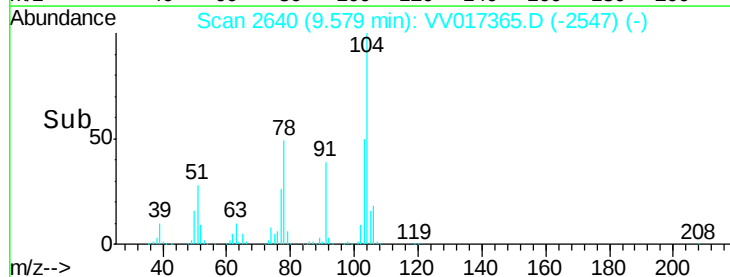
40000

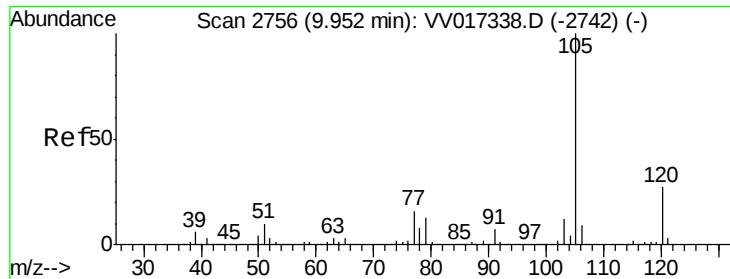
20000

0

9.50 9.55 9.60 9.65 9.70

Time-->





#58

Isopropylbenzene

Concen: 4.874 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017365.D

Acq: 07 Jul 2020 09:28

Instrument :
MSVOA_V
ClientSampleId :

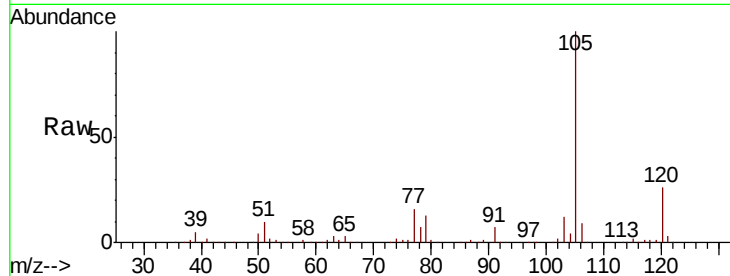
Tot Ion:105 Resp: 259483

Ion Ratio Lower Upper

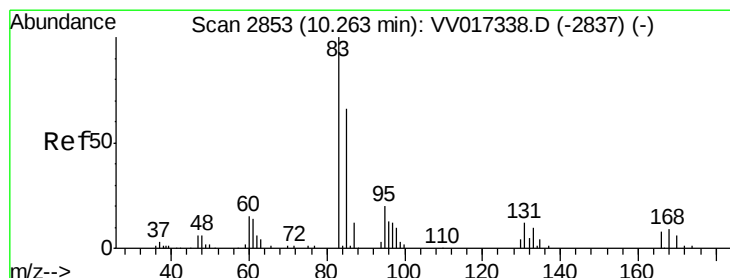
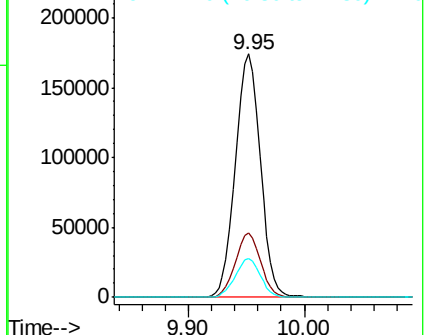
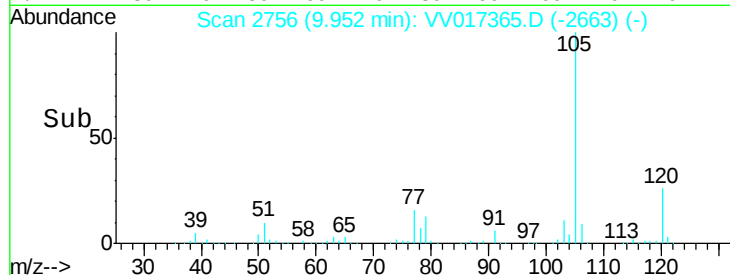
105 100

120 26.4 21.2 31.8

77 16.1 13.0 19.4



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: 4.938 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017365.D

Acq: 07 Jul 2020 09:28

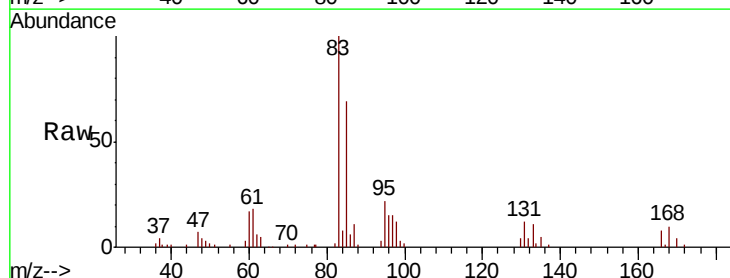
Tgt Ion: 83 Resp: 38199

Ion Ratio Lower Upper

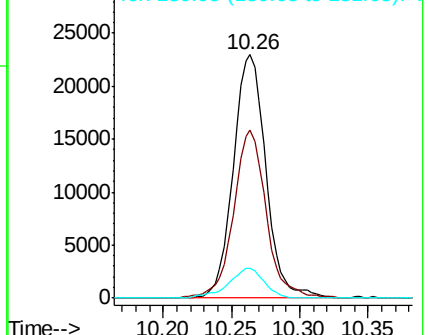
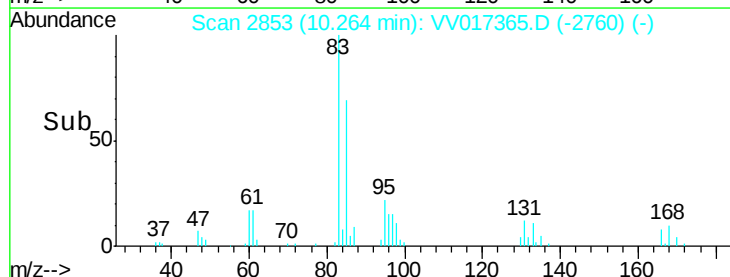
83 100

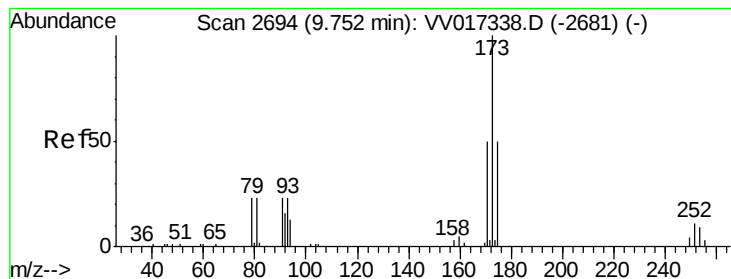
85 68.9 42.9 79.7

131 12.4 8.6 13.0



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: 5.707 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017365.D

Acq: 07 Jul 2020 09:28

Instrument :
MSVOA_V
ClientSampleId :

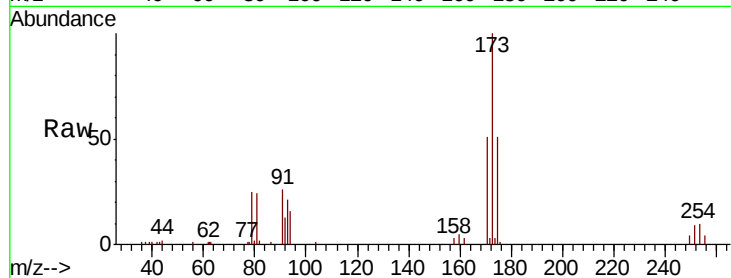
Tot Ion:173 Resp: 26383

Ion Ratio Lower Upper

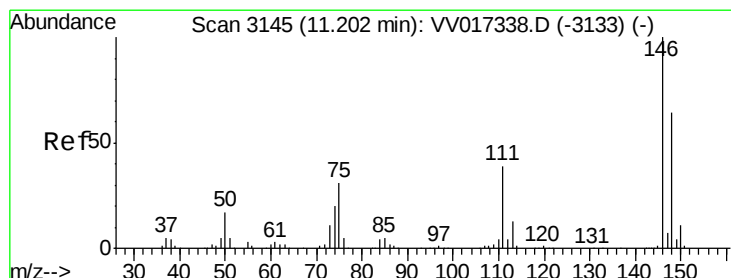
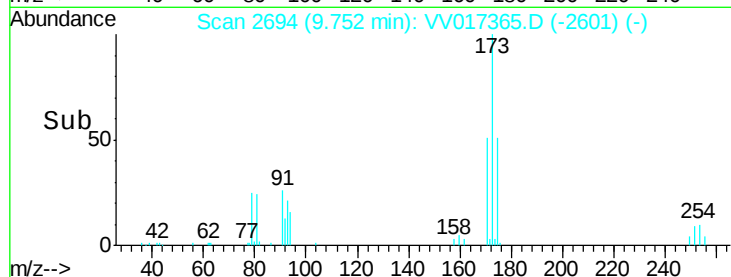
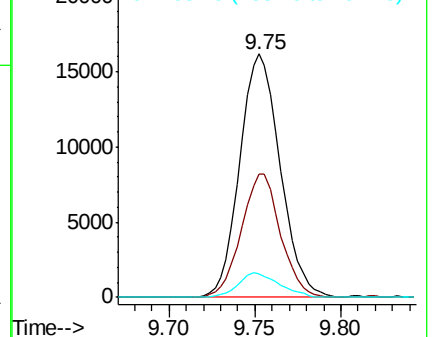
173 100

175 48.9 39.4 59.2

254 10.3 7.4 11.2



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: 5.048 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017365.D

Acq: 07 Jul 2020 09:28

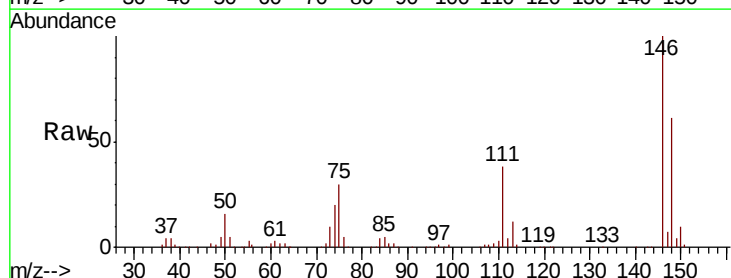
Tgt Ion:146 Resp: 131309

Ion Ratio Lower Upper

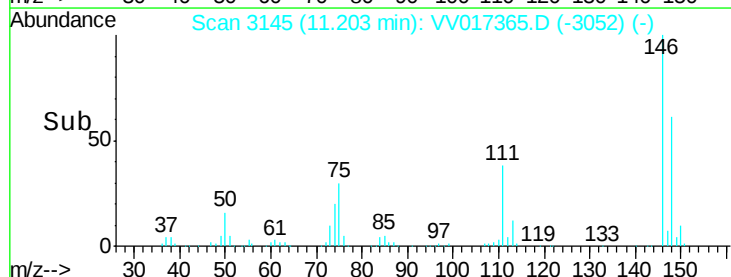
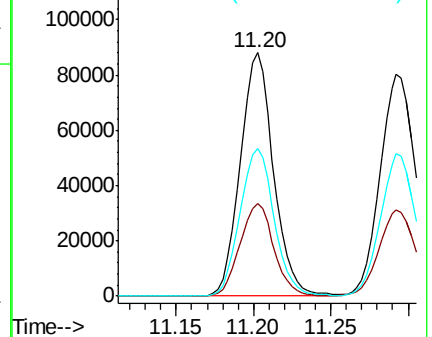
146 100

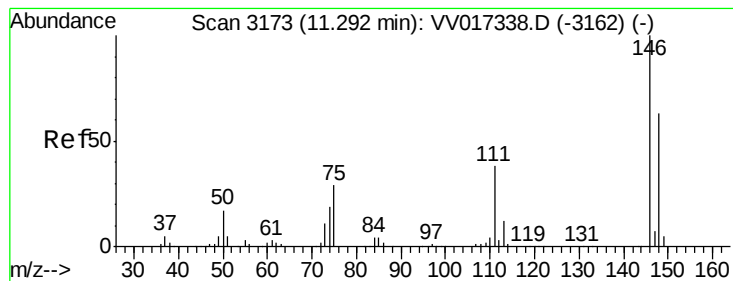
111 38.2 29.2 54.2

148 60.8 44.9 83.5



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: 4.893 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV017365.D

Acq: 07 Jul 2020 09:28

Instrument :

MSVOA_V

ClientSampled :

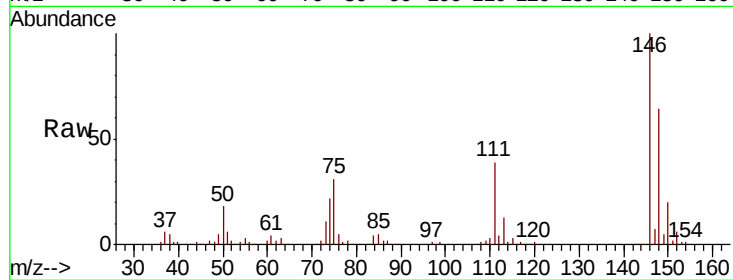
Tot Ion:146 Resp: 129369

Ion Ratio Lower Upper

146 100

111 38.9 27.4 50.8

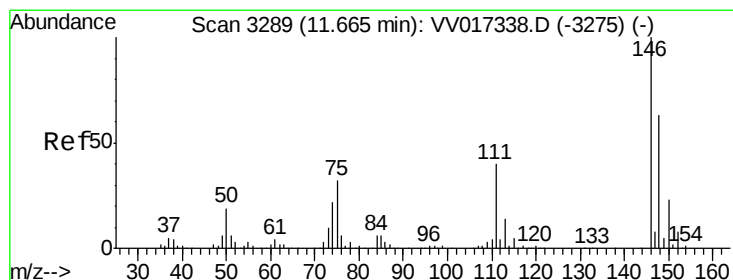
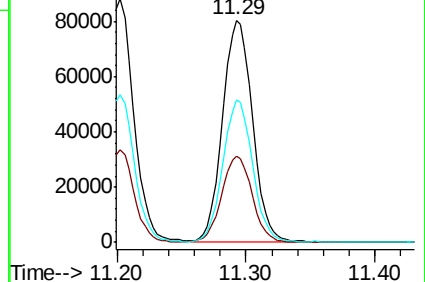
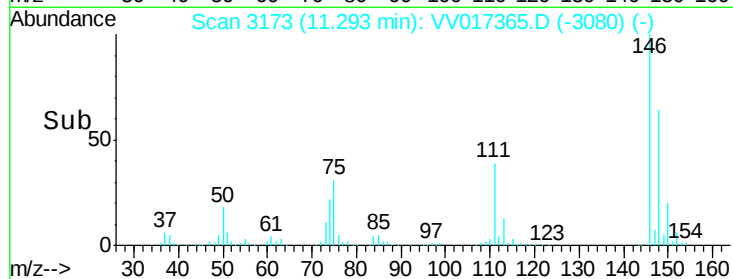
148 64.2 44.3 82.3



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: 4.977 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017365.D

Acq: 07 Jul 2020 09:28

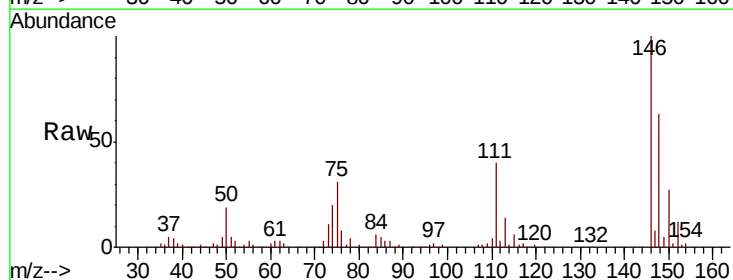
Tgt Ion:146 Resp: 117507

Ion Ratio Lower Upper

146 100

111 39.7 34.4 51.6

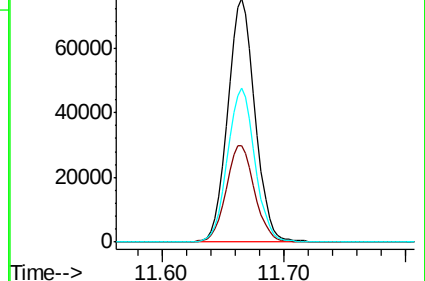
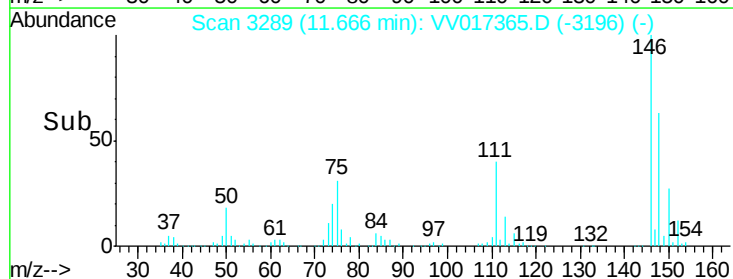
148 63.0 49.9 74.9

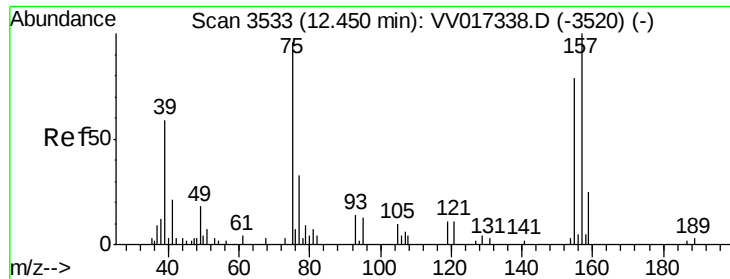


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

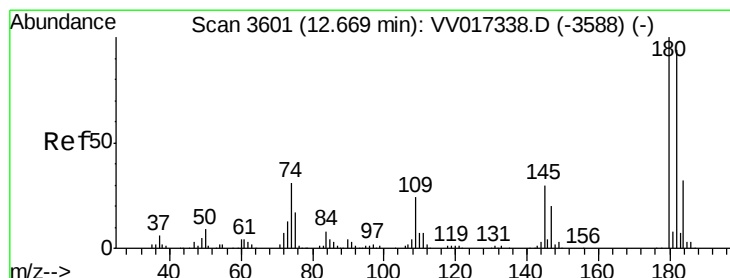
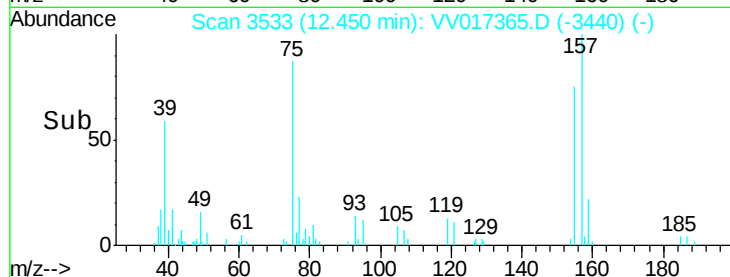
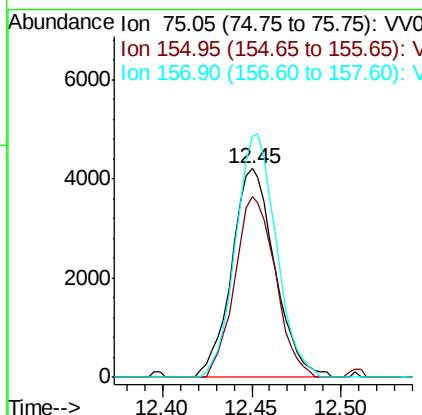
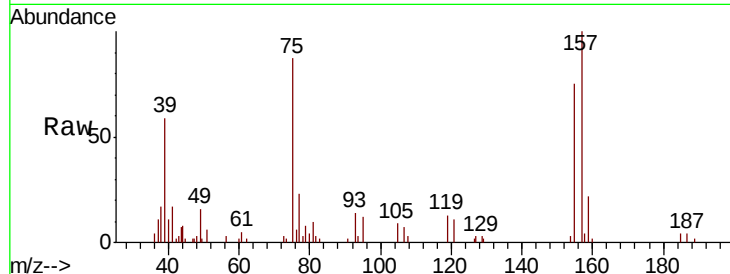




#67
 1,2-Dibromo-3-chloropropane
 Concen: 5.433 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV017365.D
 Acq: 07 Jul 2020 09:28

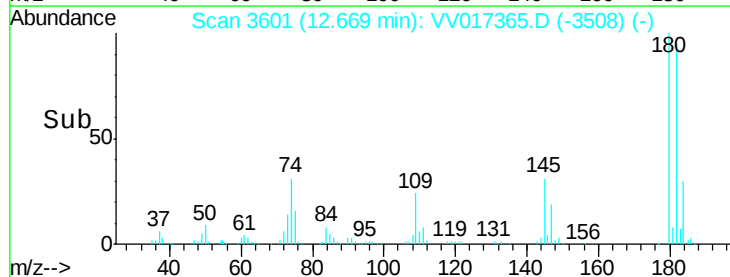
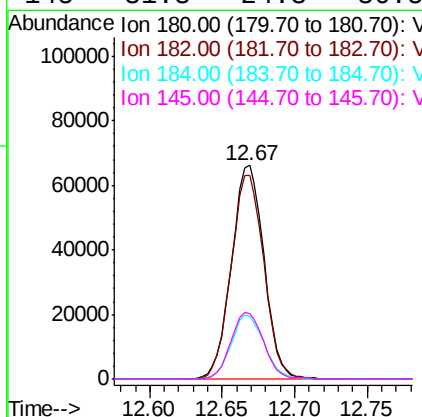
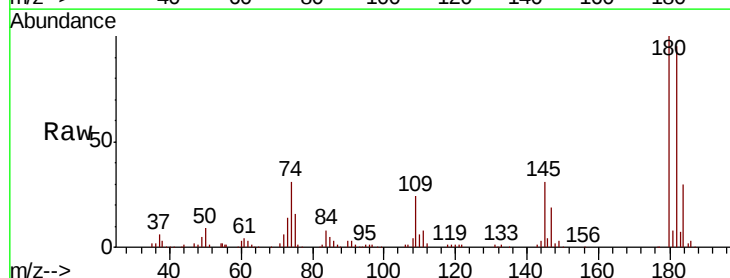
Instrument :
 MSVOA_V
 ClientSampleId :

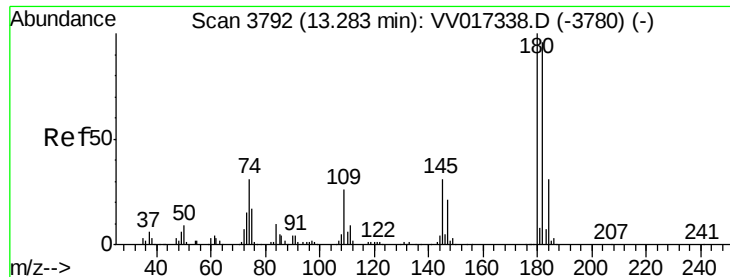
Tot Ion: 75 Resp: 7095
 Ion Ratio Lower Upper
 75 100
 155 86.9 71.1 106.7
 157 115.5 88.3 132.5



#68
 1,3,5-Trichlorobenzene
 Concen: 4.929 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017365.D
 Acq: 07 Jul 2020 09:28

Tgt Ion: 180 Resp: 103013
 Ion Ratio Lower Upper
 180 100
 182 95.9 77.4 116.2
 184 30.1 24.2 36.4
 145 31.3 24.3 36.5

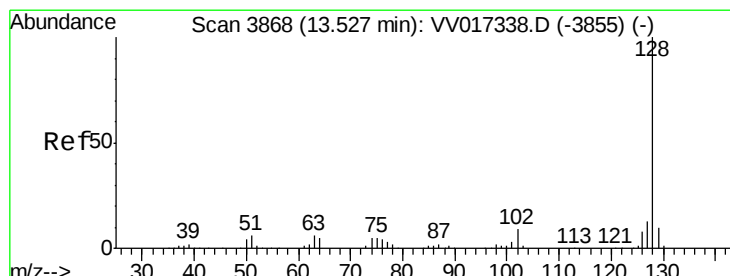
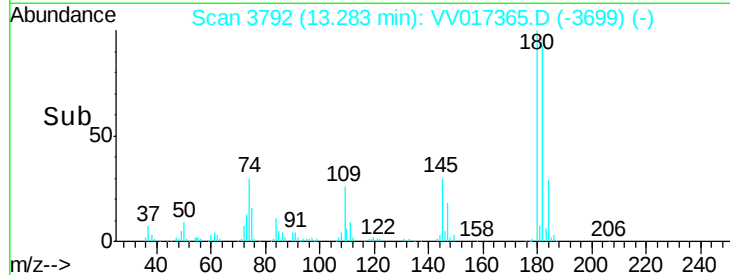
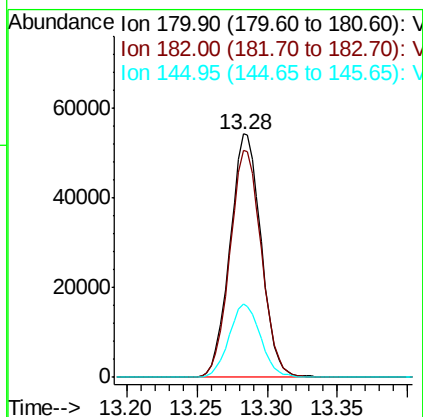
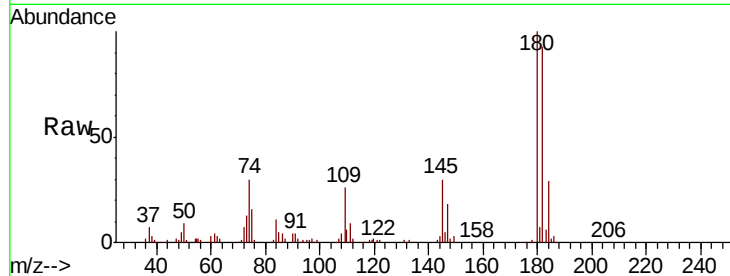




#69
 1,2,4-trichlorobenzene
 Concen: 4.875 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017365.D
 Acq: 07 Jul 2020 09:28

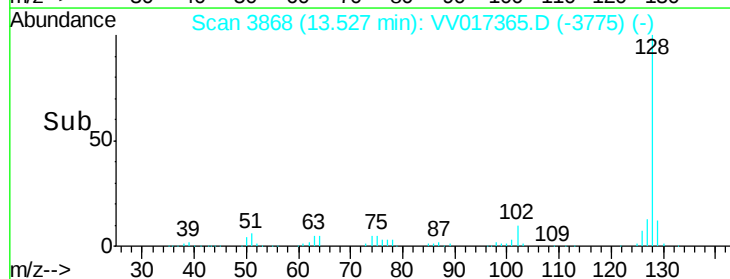
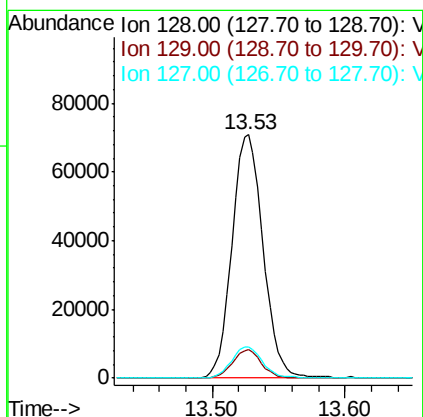
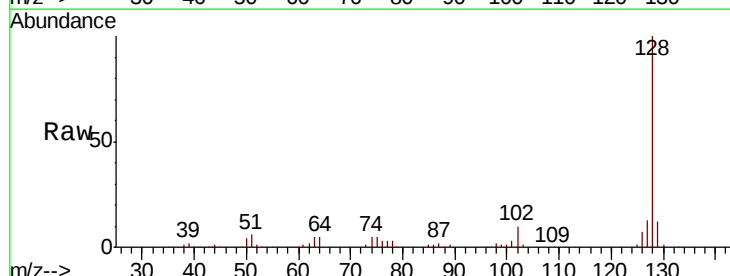
Instrument :
 MSVOA_V
 ClientSampleId :

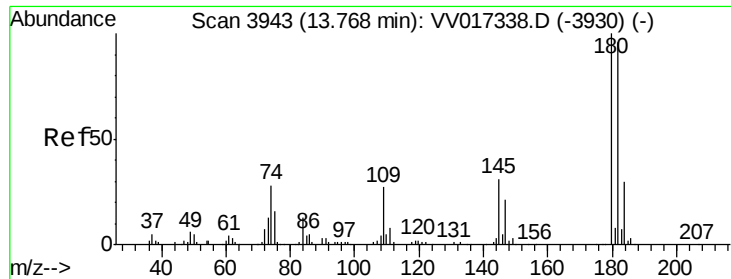
Tot Ion:180 Resp: 83878
 Ion Ratio Lower Upper
 180 100
 182 94.3 76.6 114.8
 145 30.4 25.0 37.6



#70
 Naphthalene
 Concen: 4.755 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV017365.D
 Acq: 07 Jul 2020 09:28

Tgt Ion:128 Resp: 115519
 Ion Ratio Lower Upper
 128 100
 129 10.8 8.8 13.2
 127 12.9 10.5 15.7

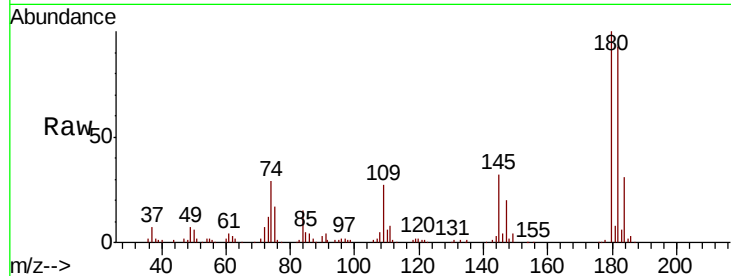




#71
 1,2,3-Trichlorobenzene
 Concen: 5.161 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV017365.D
 Acq: 07 Jul 2020 09:28

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.3	77.4	116.0
145	32.2	25.9	38.9



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

