

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110620\
 Data File : VV019265.D
 Acq On : 05 Nov 2020 00:44
 Operator : SY/MD
 Sample : L4485-14
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 05 05:07:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 05 04:58:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	220992	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	212405	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	101569	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	71641	42.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.02%
7) Chloroethane-d5	1.58	69	64439	48.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.44%
11) 1,1-Dichloroethene-d2	2.12	63	111075	35.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.36%
21) 2-Butanone-d5	3.90	46	107078	113.86	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.86%
24) Chloroform-d	4.38	84	149854	46.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.90%
26) 1,2-Dichloroethane-d4	5.06	65	112358	50.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.04%
32) Benzene-d6	5.07	84	276810	47.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.09	67	89609	51.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.34%
41) Toluene-d8	7.34	98	238154	43.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.18%
43) trans-1,3-Dichloropropene-	7.64	79	44781	45.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.34%
47) 2-Hexanone-d5	8.11	63	68964	101.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.45%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	114048	48.88	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.76%
66) 1,2-Dichlorobenzene-d4	11.65	152	103396	50.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.76%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	3176	2.346	ug/L	95
3) Chloromethane	1.25	50	3684	2.613	ug/L	90
5) Vinyl chloride	1.32	62	4371	2.979	ug/L #	53
6) Bromomethane	1.53	94	2853	2.893	ug/L	95
8) Chloroethane	1.60	64	3013	3.139	ug/L	99
9) Trichlorofluoromethane	1.77	101	6063	2.496	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3566	3.089	ug/L	86
12) 1,1-Dichloroethene	2.13	96	4193	3.515	ug/L #	1
13) Acetone	2.19	43	4800	6.712	ug/L	99
14) Carbon disulfide	2.31	76	8883	2.593	ug/L	96
15) Methyl Acetate	2.46	43	4321	3.118	ug/L #	87
16) Methylene chloride	2.53	84	4420	3.117	ug/L	84
17) trans-1,2-Dichloroethene	2.78	96	3186	2.462	ug/L	85
18) Methyl tert-butyl Ether	2.78	73	12235	2.689	ug/L #	86
19) 1,1-Dichloroethane	3.22	63	6975	2.751	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	3742	2.616	ug/L	100
23) Bromochloromethane	4.29	128	2019	2.564	ug/L	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

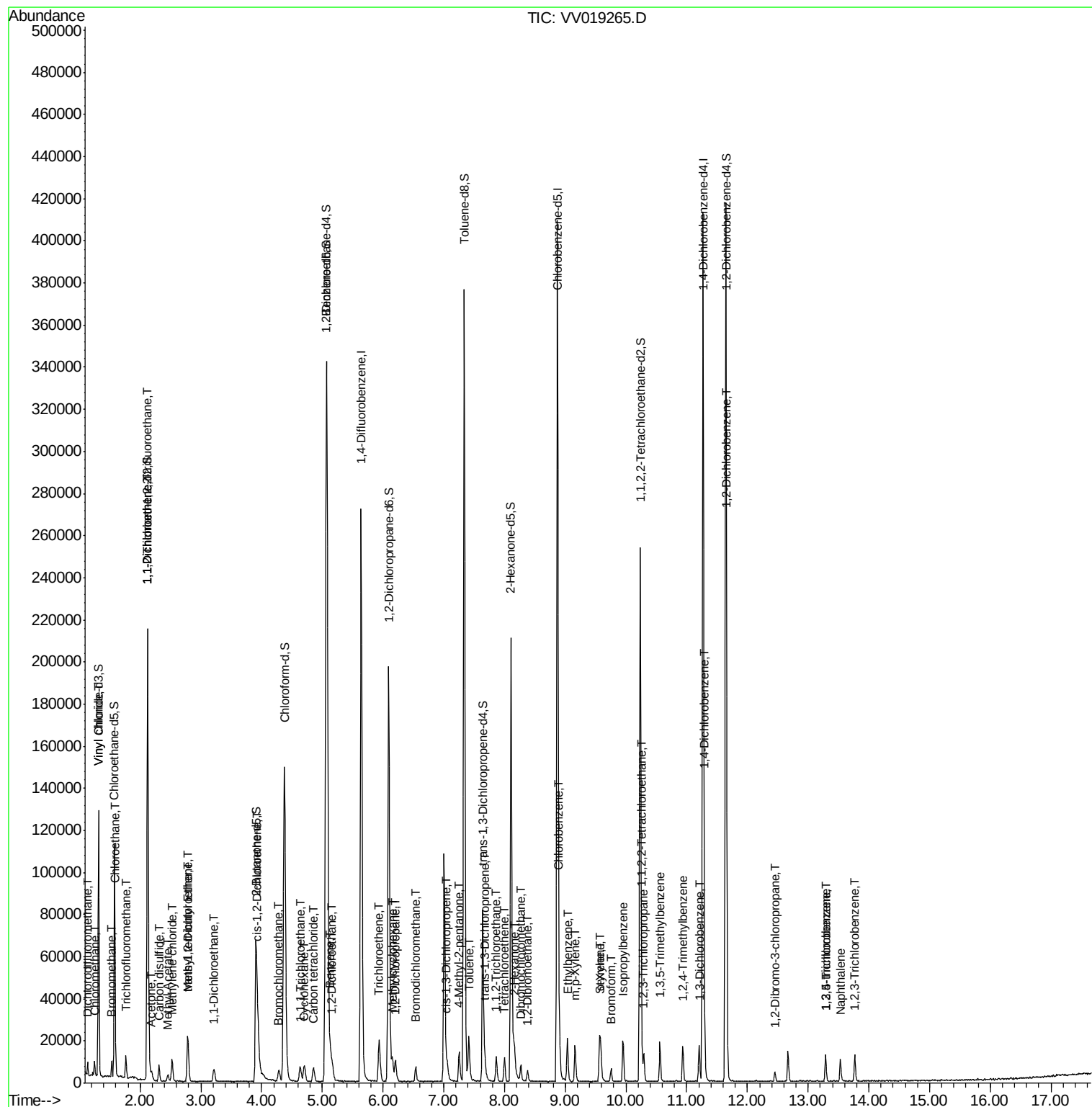
27) 1,2-Dichloroethane	5.16	62	6427	2.781	ug/L #	94
29) Cyclohexane	4.71	56	4198	2.310	ug/L	97
30) 1,1,1-Trichloroethane	4.64	97	5962	2.420	ug/L #	68
31) Carbon tetrachloride	4.86	117	4798	2.256	ug/L	100
33) Benzene	5.13	78	13916	2.636	ug/L	100
34) Trichloroethene	5.95	95	4024	2.805	ug/L	96
35) Methylcyclohexane	6.15	83	3785	2.180	ug/L	94
37) 1,2-Dichloropropane	6.21	63	3849	2.732	ug/L #	92
38) Bromodichloromethane	6.54	83	5249	2.589	ug/L	88
39) cis-1,3-Dichloropropene	7.05	75	5296	2.349	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	9368	4.950	ug/L	97
42) Toluene	7.41	91	15532	2.722	ug/L	95
44) trans-1,3-Dichloropropene	7.68	75	5122	2.217	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	3687	2.648	ug/L	93
46) Tetrachloroethene	8.00	164	2685	2.294	ug/L	96
48) 2-Hexanone	8.16	43	9008	6.296	ug/L #	85
49) Dibromochloromethane	8.27	129	3827	2.305	ug/L	85
50) 1,2-Dibromoethane	8.38	107	3577	2.478	ug/L #	98
51) Chlorobenzene	8.90	112	9153	2.398	ug/L	96
52) Ethylbenzene	9.04	91	14311	2.273	ug/L	99
53) m,p-Xylene	9.16	106	4902	2.080	ug/L	100
54) o-Xylene	9.57	106	4928	2.121	ug/L	94
55) Styrene	9.59	104	8098	1.958	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.26	83	5797	2.752	ug/L	87
59) Bromoform	9.75	173	2891	2.565	ug/L	95
60) Isopropylbenzene	9.95	105	12178	2.288	ug/L	99
61) 1,2,3-Trichloropropane	10.30	75	5047	3.198	ug/L	98
62) 1,3,5-Trimethylbenzene	10.56	105	9934	2.241	ug/L	99
63) 1,2,4-Trimethylbenzene	10.94	105	9233	2.128	ug/L	100
64) 1,3-Dichlorobenzene	11.21	146	7115	2.555	ug/L	97
65) 1,4-Dichlorobenzene	11.30	146	7844	2.723	ug/L	94
67) 1,2-Dichlorobenzene	11.67	146	8022	2.816	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.45	75	1167	2.535	ug/L	93
69) 1,3,5-Trichlorobenzene	13.29	180	4165	2.084	ug/L	95
70) 1,2,4-trichlorobenzene	13.29	180	4165	2.215	ug/L	93
71) Naphthalene	13.53	128	9464	1.784	ug/L #	91
72) 1,2,3-Trichlorobenzene	13.77	180	4256	2.283	ug/L	91

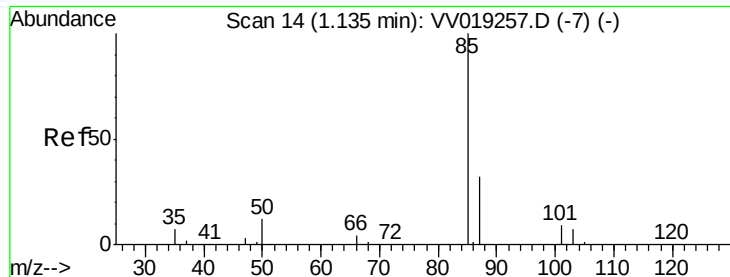
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.346 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

Instrument :

MSVOA_V

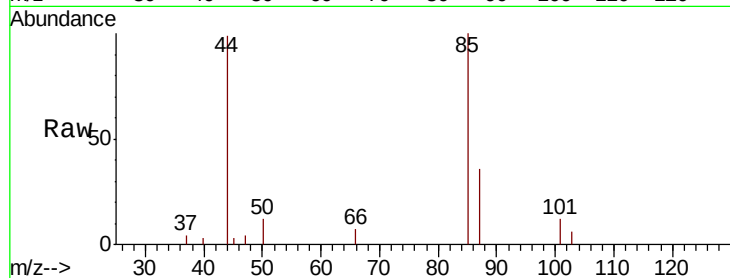
ClientSampleId :

Tot Ion: 85 Resp: 3176

Ion Ratio Lower Upper

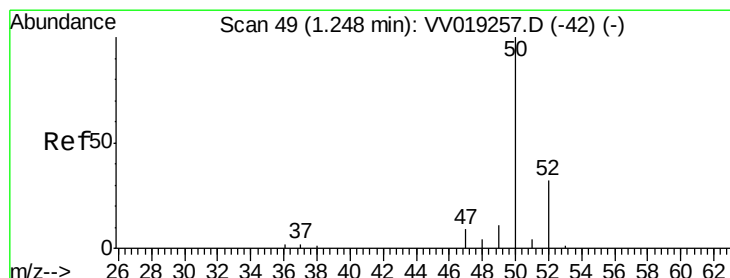
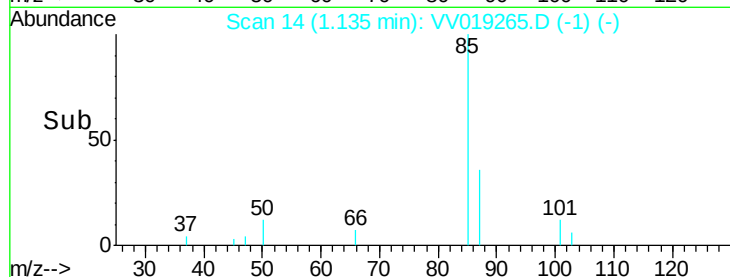
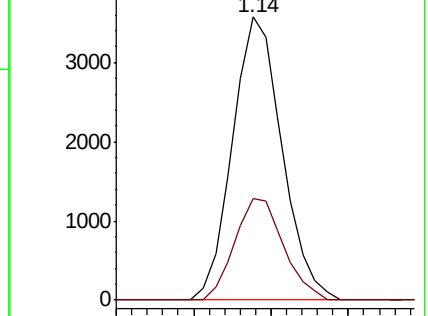
85 100

87 35.2 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 2.613 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV019265.D

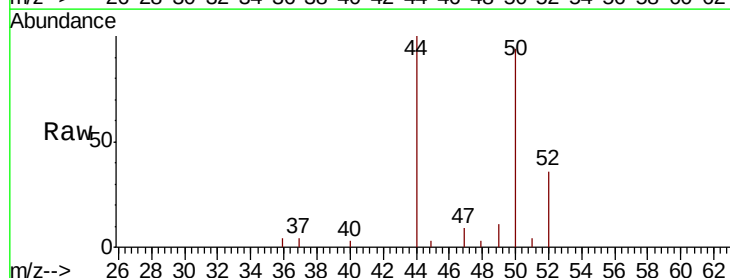
Acq: 05 Nov 2020 00:44

Tgt Ion: 50 Resp: 3684

Ion Ratio Lower Upper

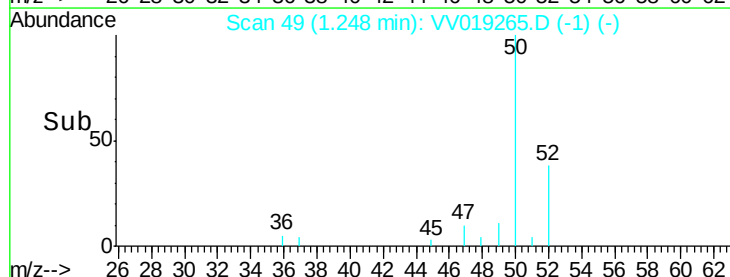
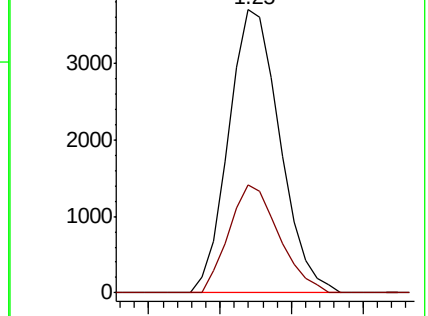
50 100

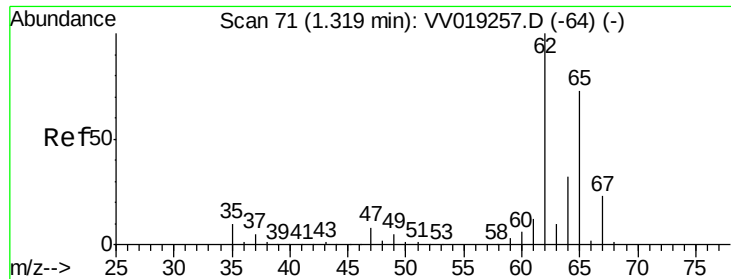
52 38.4 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 2.979 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

Instrument :

MSVOA_V

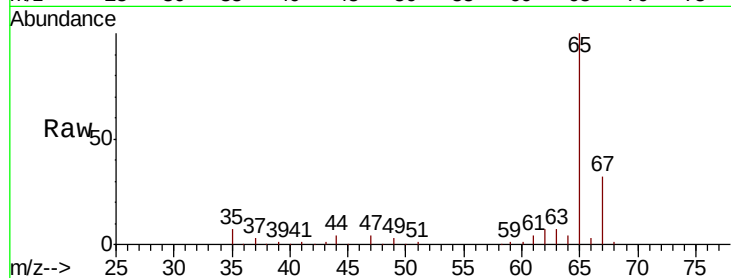
ClientSampled :

Tot Ion: 62 Resp: 4371

Ion Ratio Lower Upper

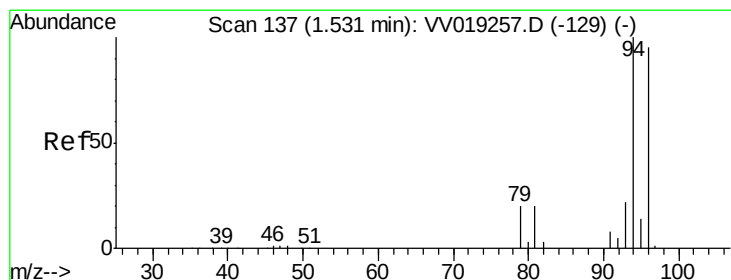
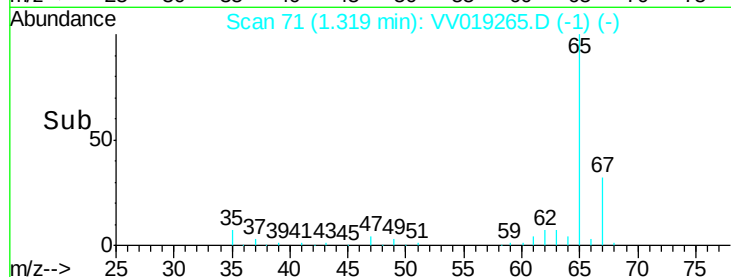
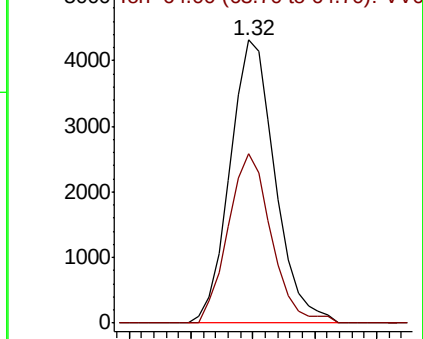
62 100

64 59.7 23.3 43.3#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.893 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV019265.D

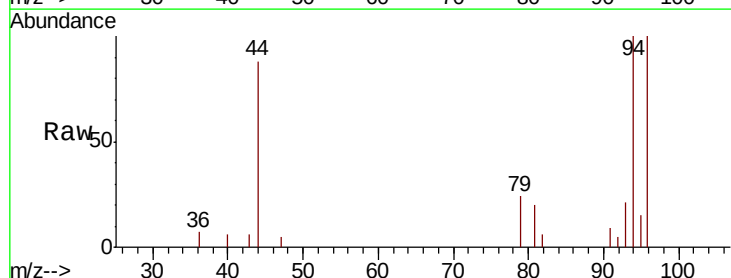
Acq: 05 Nov 2020 00:44

Tgt Ion: 94 Resp: 2853

Ion Ratio Lower Upper

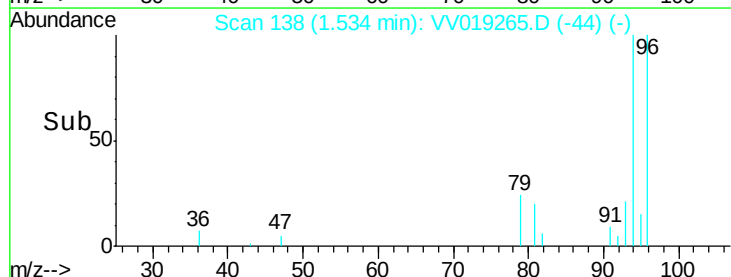
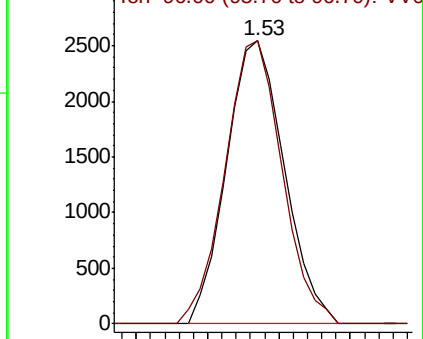
94 100

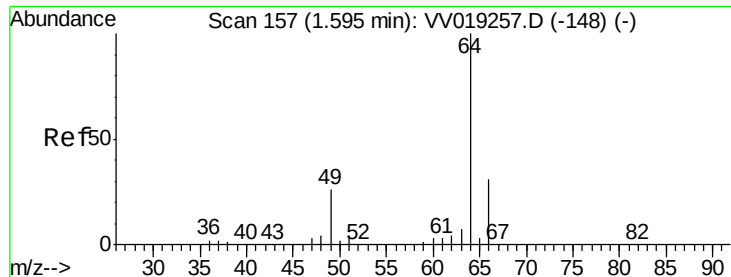
96 100.0 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 3.139 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

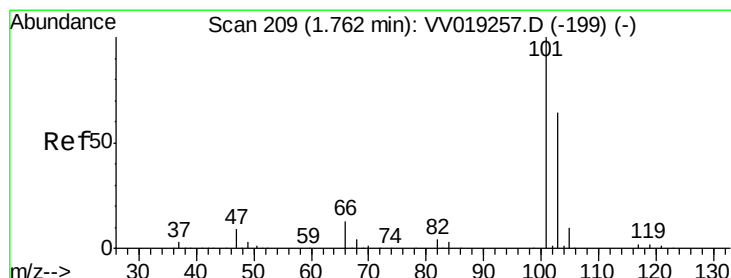
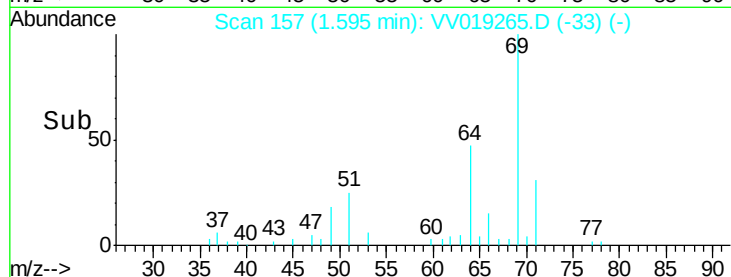
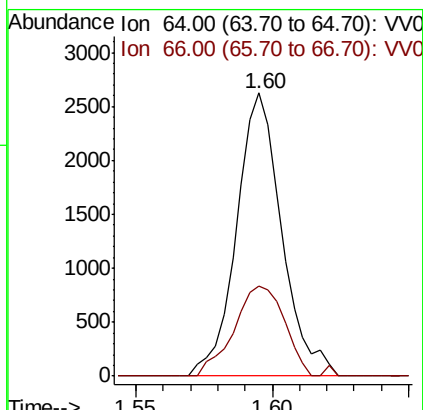
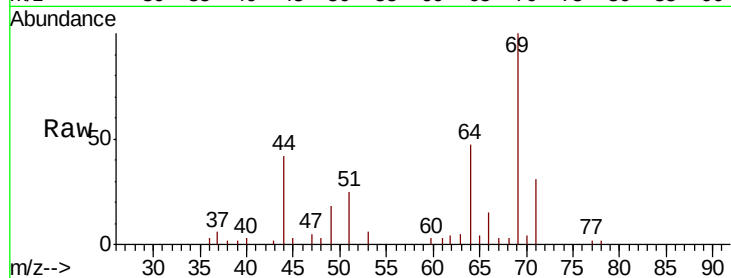
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 3013

Ion Ratio Lower Upper

64 100

66 31.6 22.5 41.9



#9

Trichlorofluoromethane

Concen: 2.496 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV019265.D

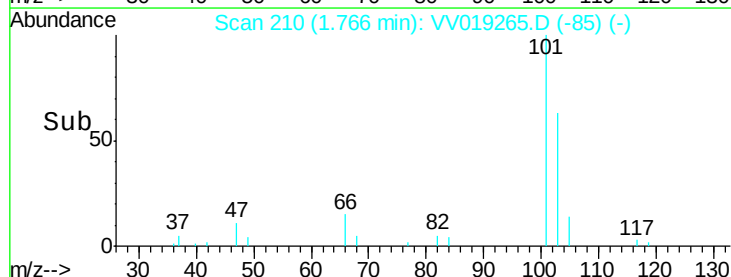
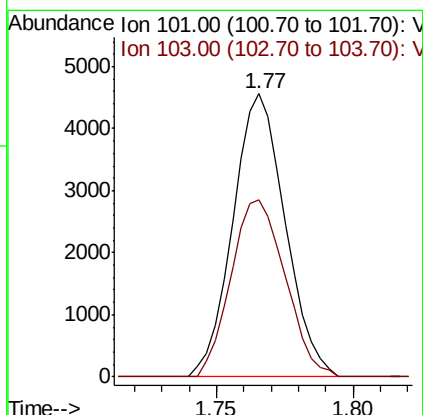
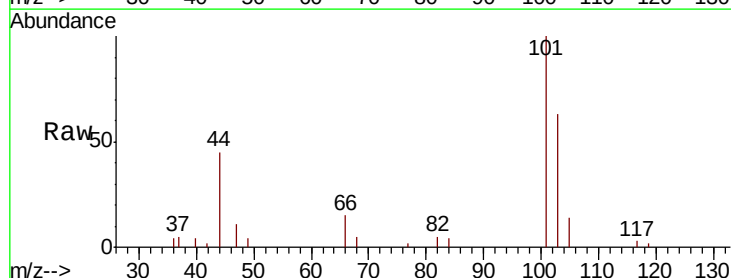
Acq: 05 Nov 2020 00:44

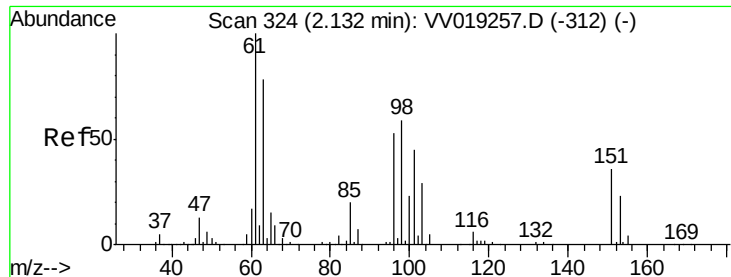
Tgt Ion: 101 Resp: 6063

Ion Ratio Lower Upper

101 100

103 64.9 52.3 78.5





#10

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

Concen: 3.089 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

Instrument :

MSVOA_V

ClientSampled :

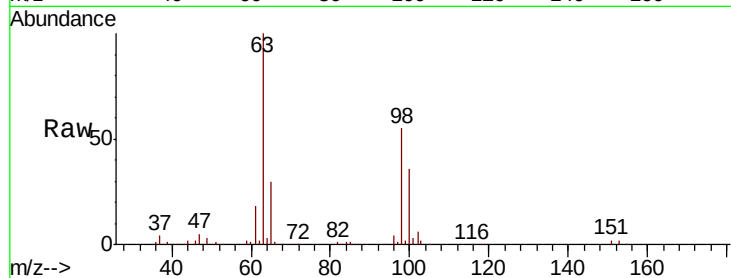
Tot Ion:101 Resp: 3566

Ion Ratio Lower Upper

101 100

85 38.4 35.6 53.4

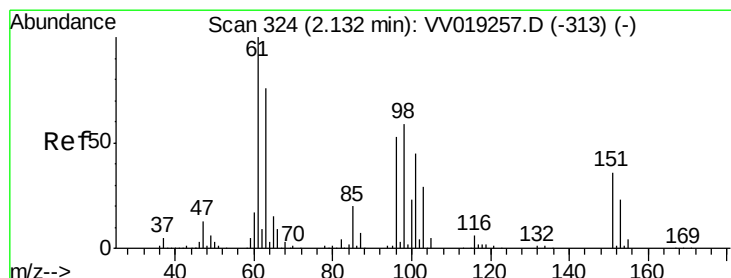
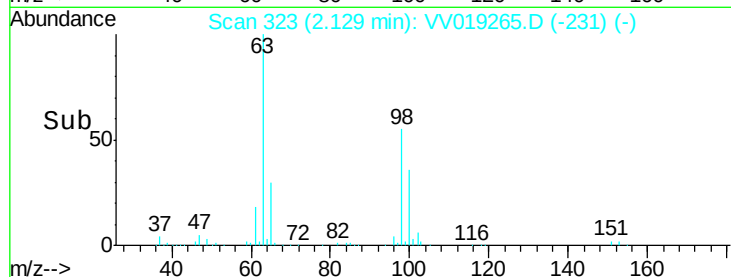
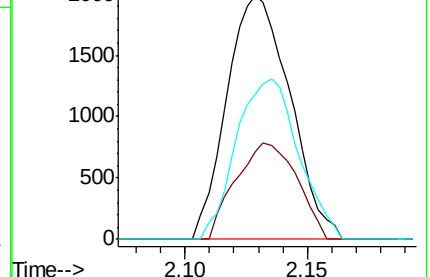
151 64.9 64.1 96.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 3.515 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

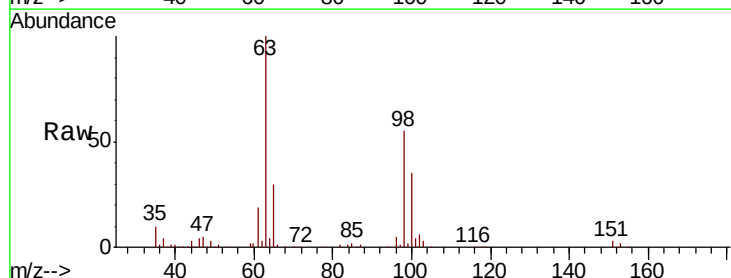
Tgt Ion: 96 Resp: 4193

Ion Ratio Lower Upper

96 100

61 354.9 133.6 248.0#

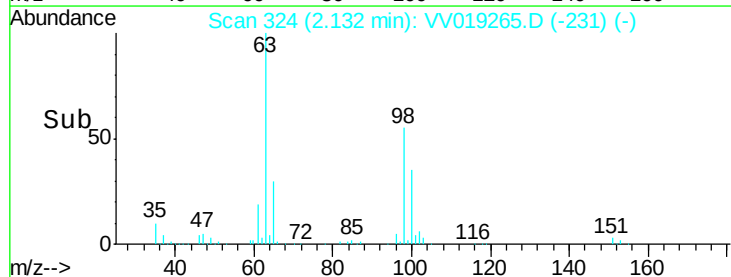
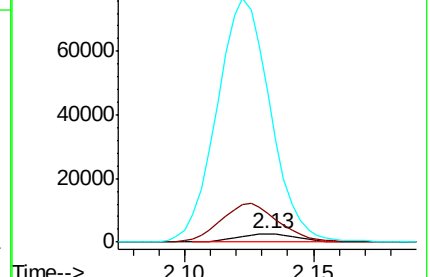
63 1823.7 103.0 191.2#

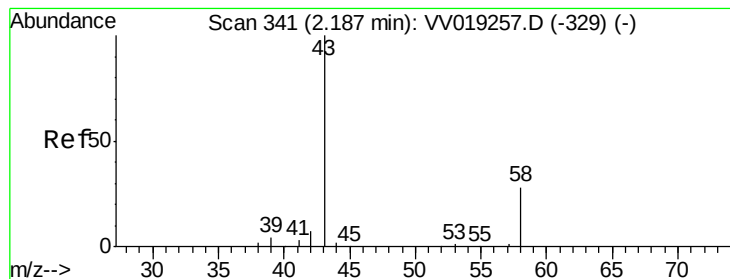


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 6.712 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

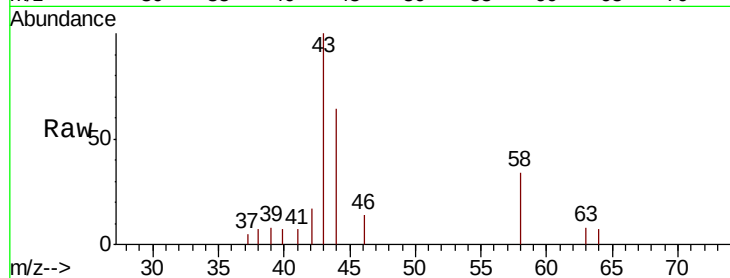
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 4800

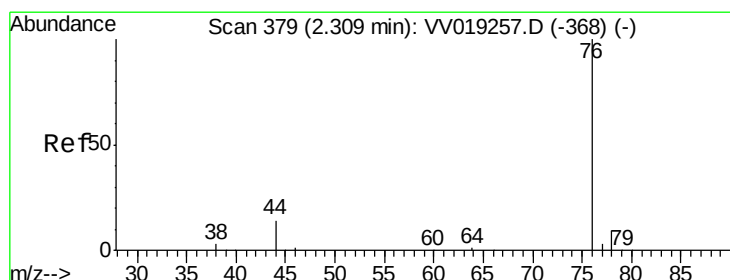
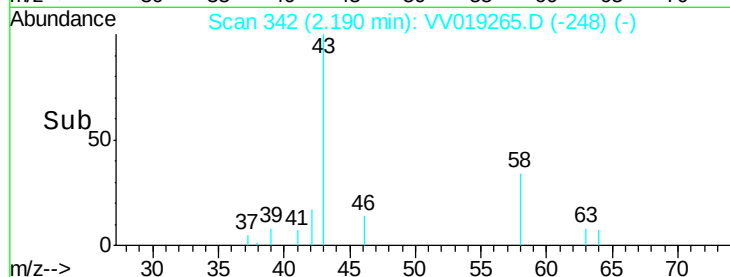
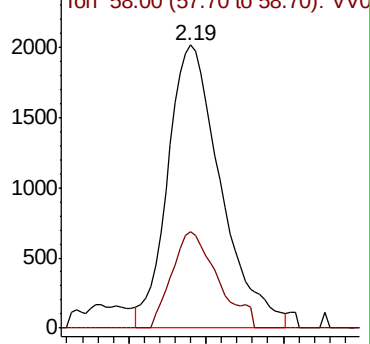
Ion Ratio Lower Upper

43 100

58 28.1 0.0 57.8



Abundance Ion 43.00 (42.70 to 43.70): VV019265.D (-248) (-)



#14

Carbon disulfide

Concen: 2.593 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV019265.D

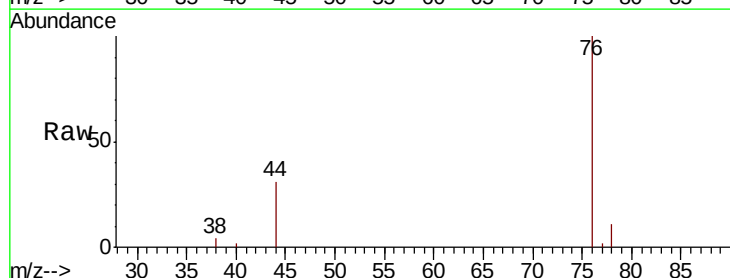
Acq: 05 Nov 2020 00:44

Tgt Ion: 76 Resp: 8883

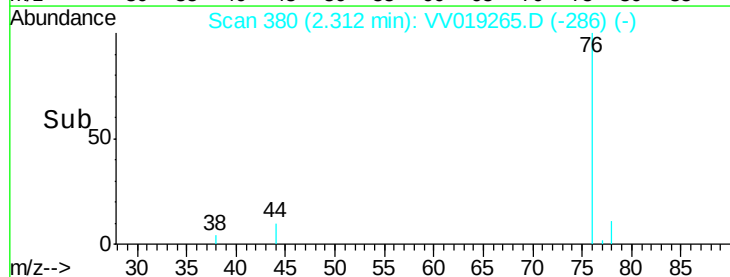
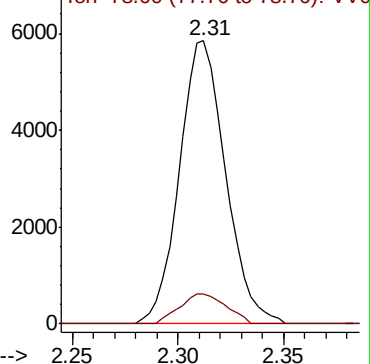
Ion Ratio Lower Upper

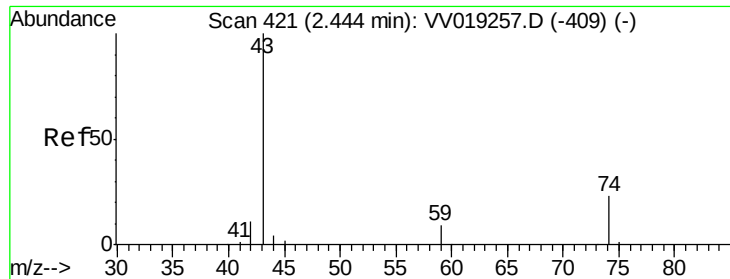
76 100

78 10.5 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019265.D (-286) (-)

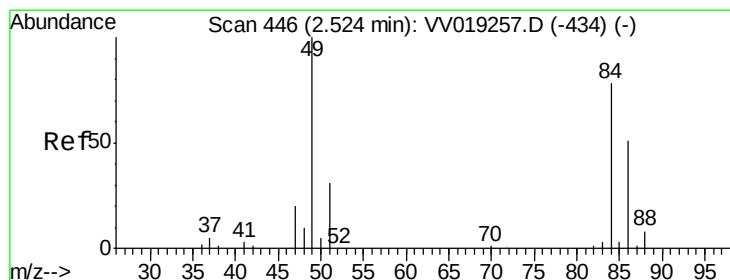
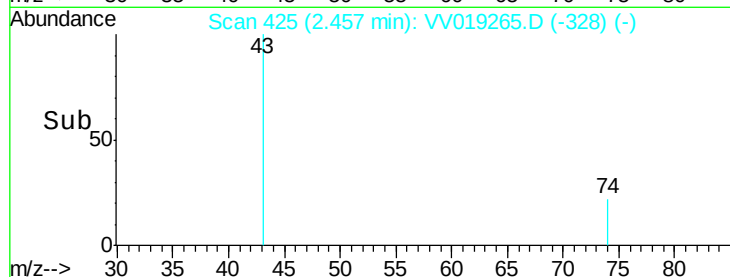
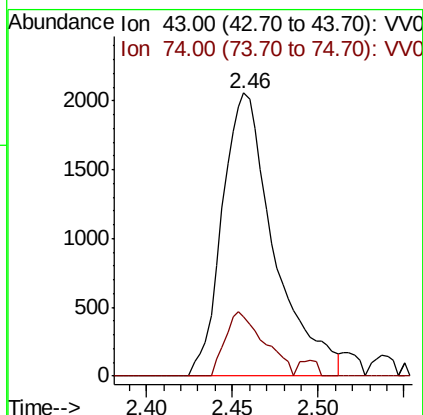
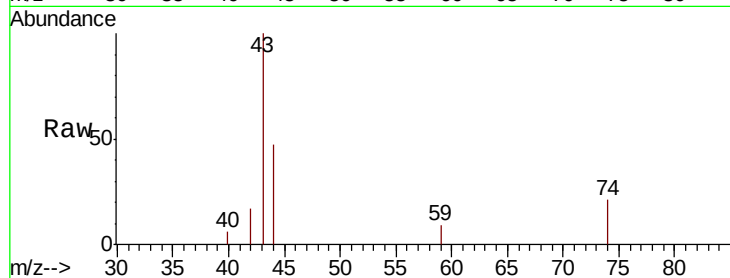




#15
Methvl Acetate
Concen: 3.118 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.01 min
Lab File: VV019265.D
Acq: 05 Nov 2020 00:44

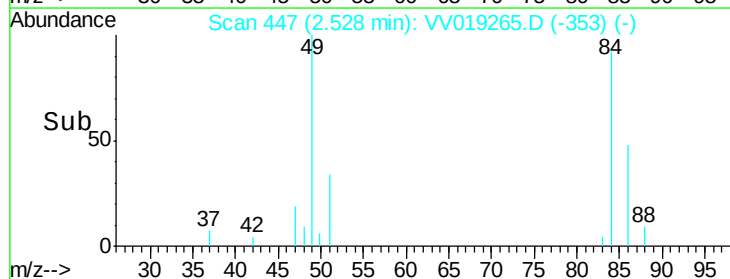
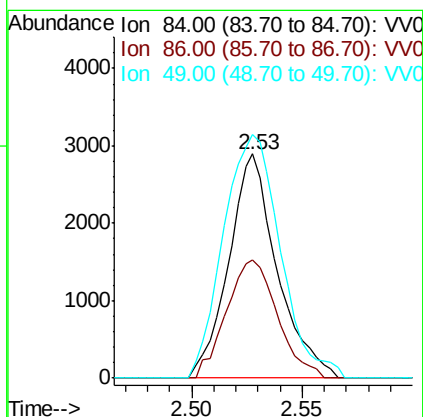
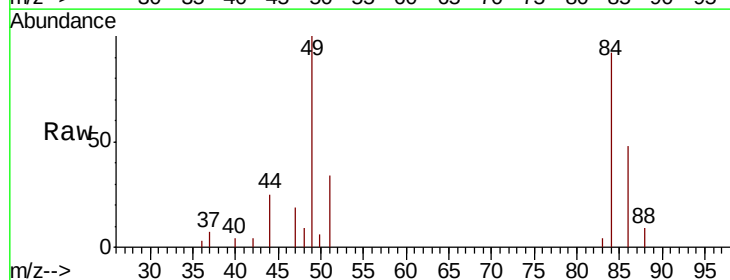
Instrument :
MSVOA_V
ClientSampleId :

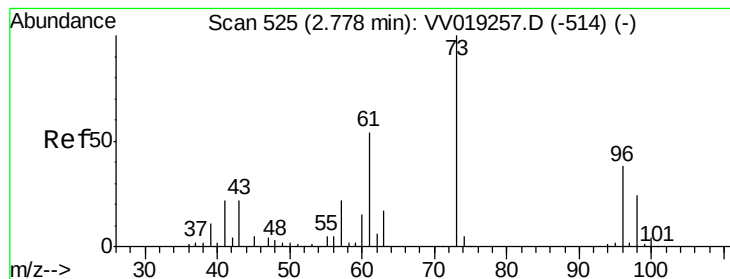
Tot Ion: 43 Resp: 4321
Ion Ratio Lower Upper
43 100
74 16.9 18.8 28.2#



#16
Methylene chloride
Concen: 3.117 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV019265.D
Acq: 05 Nov 2020 00:44

Tgt Ion: 84 Resp: 4420
Ion Ratio Lower Upper
84 100
86 52.6 45.6 84.8
49 108.7 89.3 165.9





#17

trans-1,2-Dichloroethene

Concen: 2.462 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

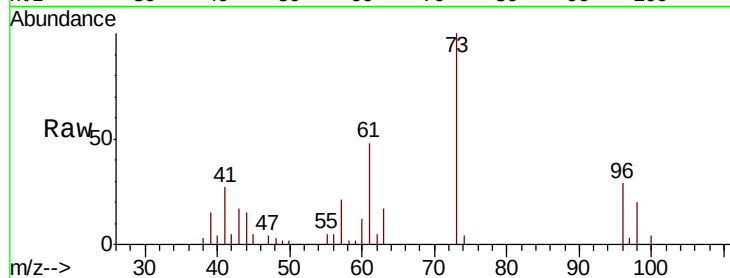
Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 3186

Ion	Ratio	Lower	Upper
96	100		
61	165.7	100.7	187.1
98	69.2	42.9	79.7

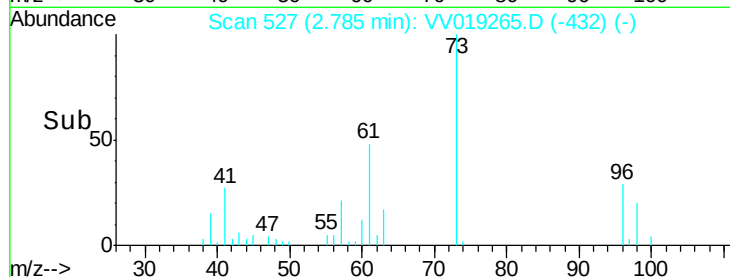
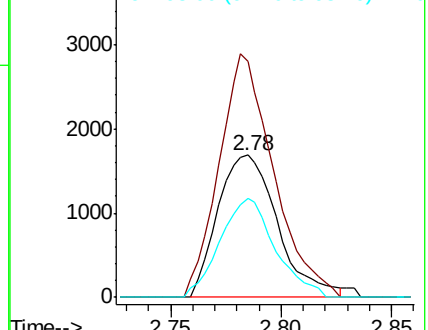


Abundance

Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 2.689 ug/L

RT: 2.78 min Scan# 527

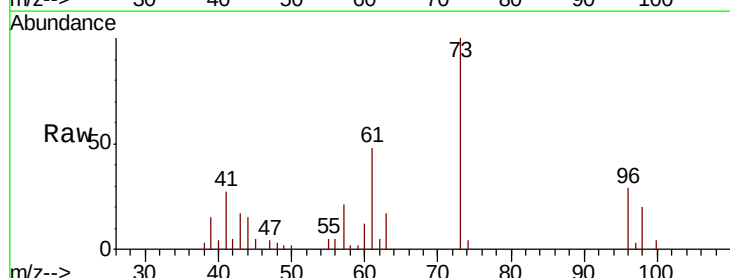
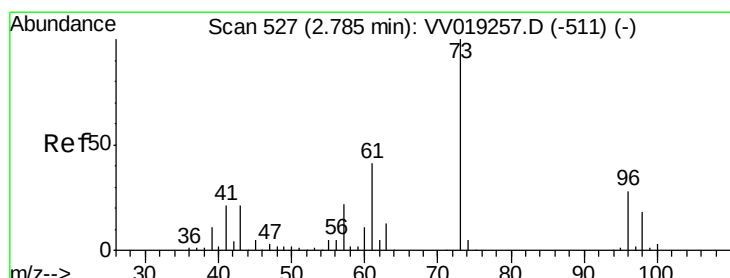
Delta R.T. -0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

Tgt Ion: 73 Resp: 12235

Ion	Ratio	Lower	Upper
73	100		
43	10.1	17.9	26.9#
57	22.2	17.1	25.7

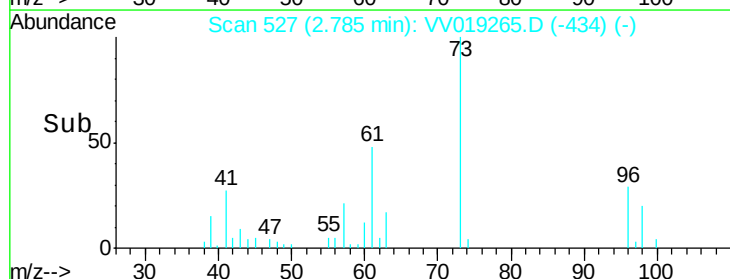
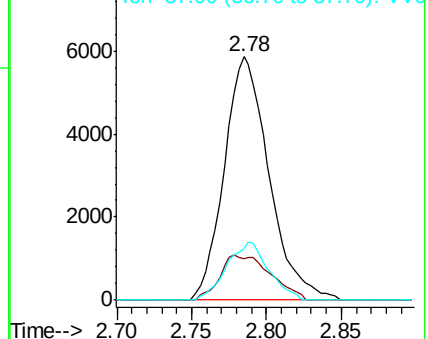


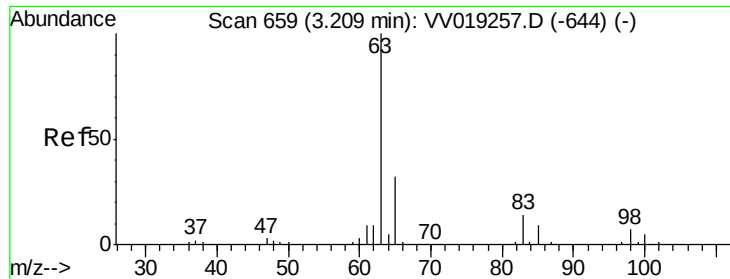
Abundance

Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

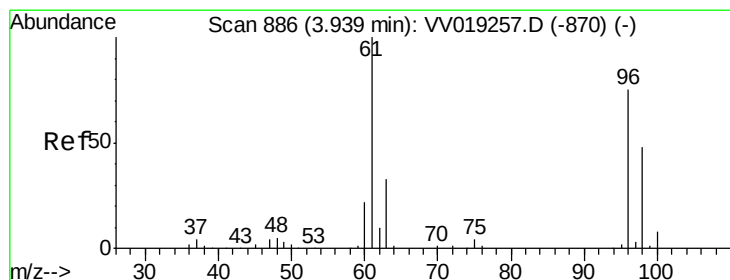
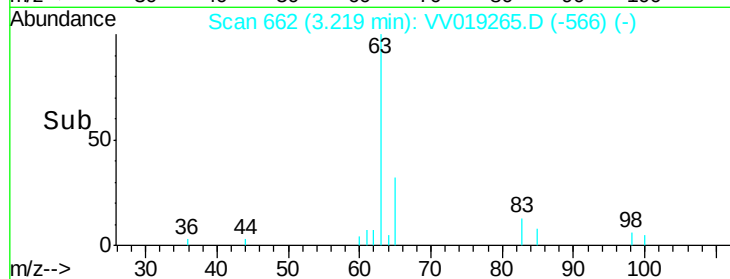
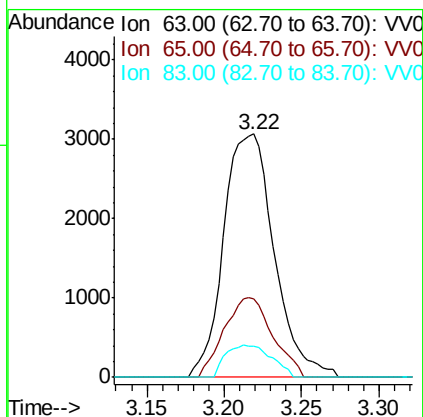
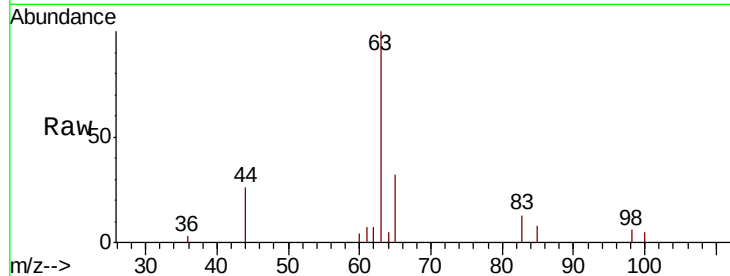




#19
 1,1-Dichloroethane
 Concen: 2.751 ug/L
 RT: 3.22 min Scan# 662
 Delta R.T. 0.01 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

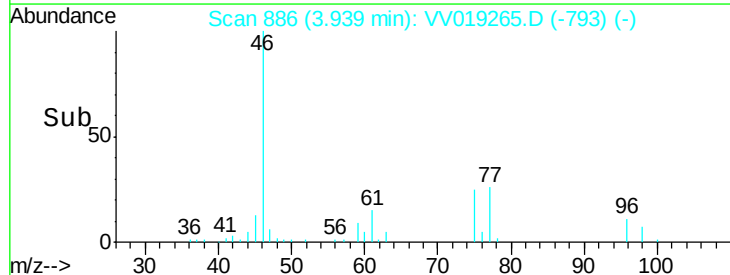
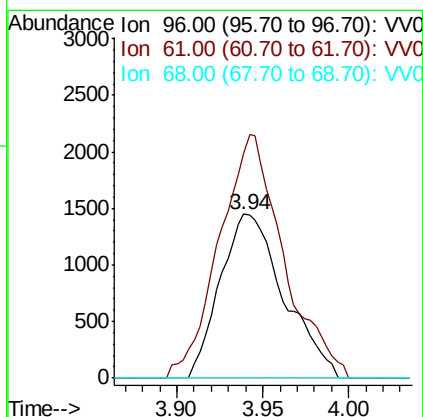
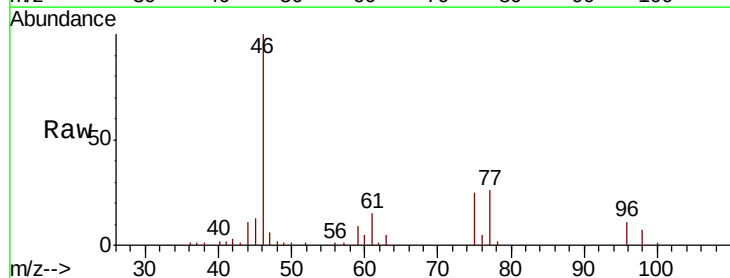
Instrument :
 MSVOA_V
 ClientSampleId :

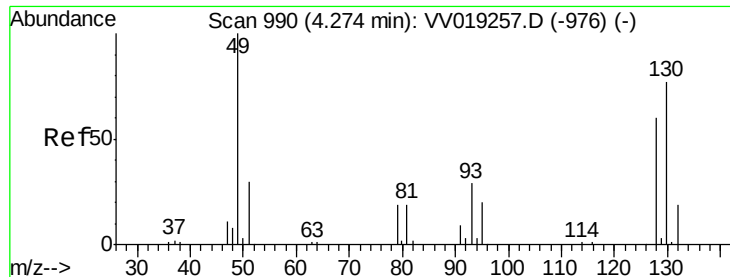
Tot Ion: 63 Resp: 6975
 Ion Ratio Lower Upper
 63 100
 65 32.1 21.8 40.6
 83 12.7 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 2.616 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

Tgt Ion: 96 Resp: 3742
 Ion Ratio Lower Upper
 96 100
 61 137.0 95.6 177.6
 68 0.0 0.0 0.0

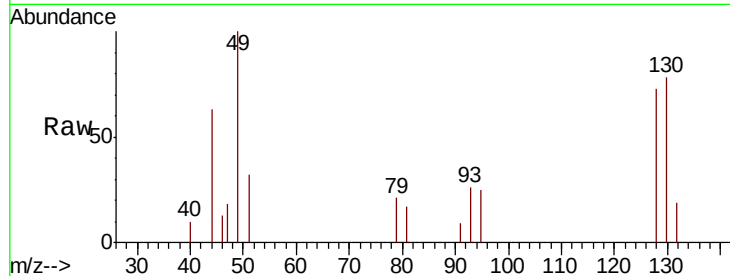




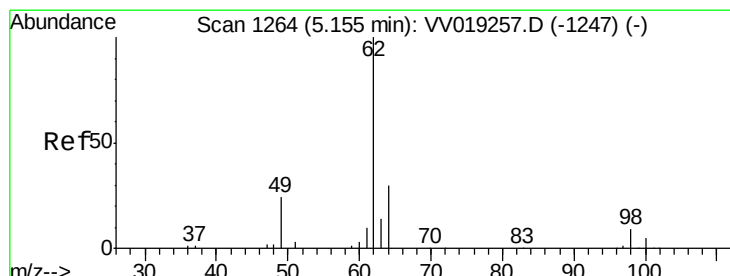
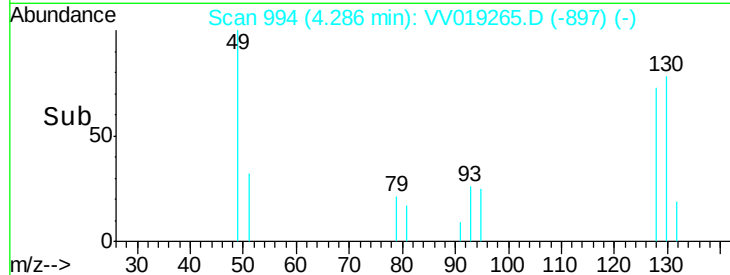
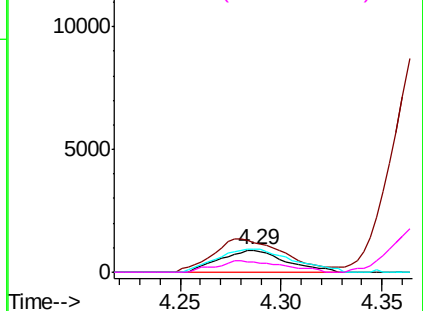
#23
Bromochloromethane
Concen: 2.564 ug/L
RT: 4.29 min Scan# 994
Delta R.T. 0.01 min
Lab File: VV019265.D
Acq: 05 Nov 2020 00:44

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:128 Resp: 2019
Ion Ratio Lower Upper
128 100
49 136.9 108.8 202.2
130 107.4 88.5 164.3
51 44.4 37.8 56.6

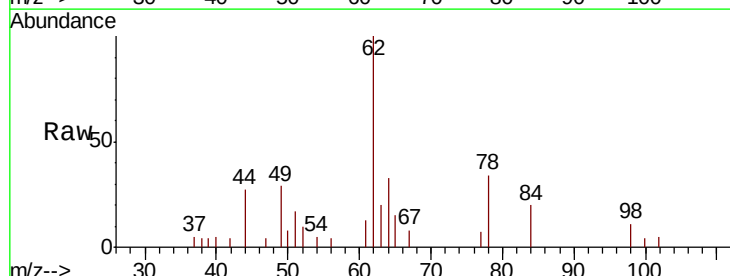


Abundance Ion 128.00 (127.70 to 128.70): VV019265.D (-1171) (-)
Ion 49.00 (48.70 to 49.70): VV019265.D (-1171) (-)
Ion 130.00 (129.70 to 130.70): VV019265.D (-1171) (-)
Ion 51.00 (50.70 to 51.70): VV019265.D (-1171) (-)

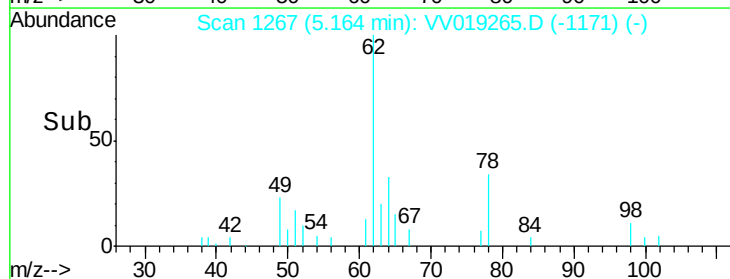
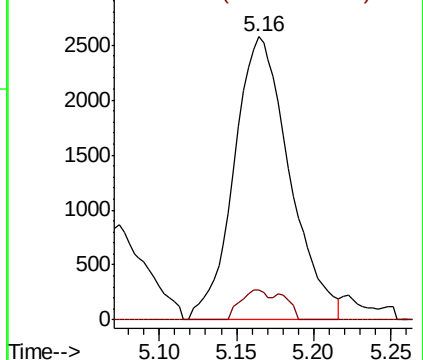


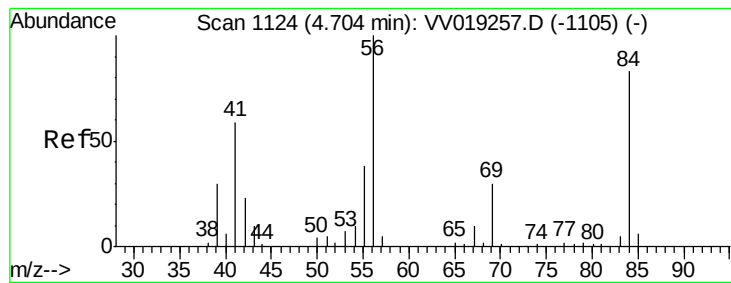
#27
1,2-Dichloroethane
Concen: 2.781 ug/L
RT: 5.16 min Scan# 1267
Delta R.T. 0.01 min
Lab File: VV019265.D
Acq: 05 Nov 2020 00:44

Tgt Ion: 62 Resp: 6427
Ion Ratio Lower Upper
62 100
98 10.8 6.8 10.2#



Abundance Ion 62.00 (61.70 to 62.70): VV019265.D (-1171) (-)
Ion 98.00 (97.70 to 98.70): VV019265.D (-1171) (-)





#29

Cyclohexane

Concen: 2.310 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

Instrument :
MSVOA_V
ClientSampleId :

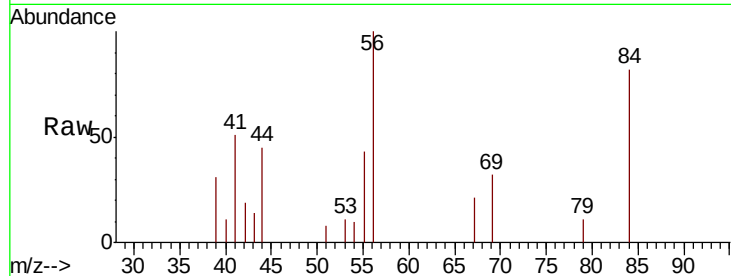
Tot Ion: 56 Resp: 4198

Ion Ratio Lower Upper

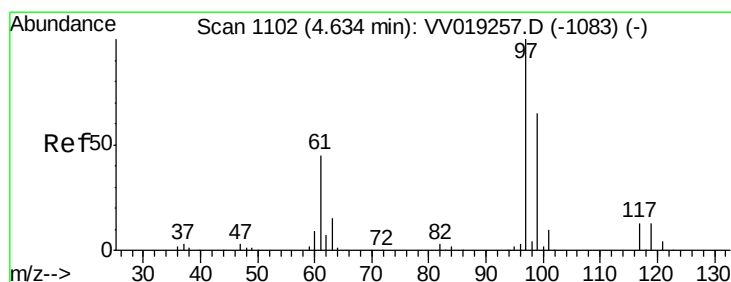
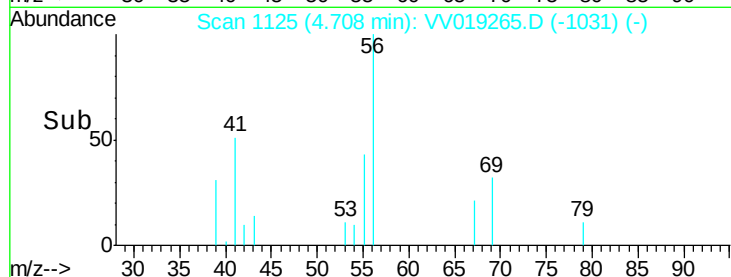
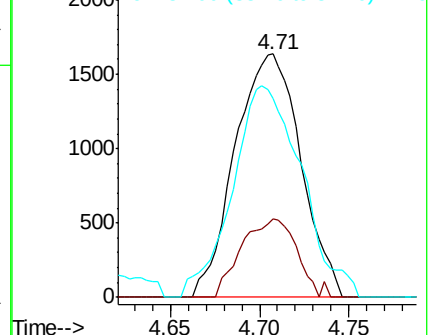
56 100

69 26.8 24.6 36.8

84 89.4 70.5 105.7



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 2.420 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

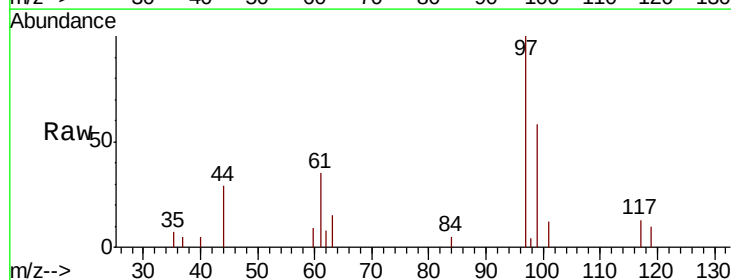
Tgt Ion: 97 Resp: 5962

Ion Ratio Lower Upper

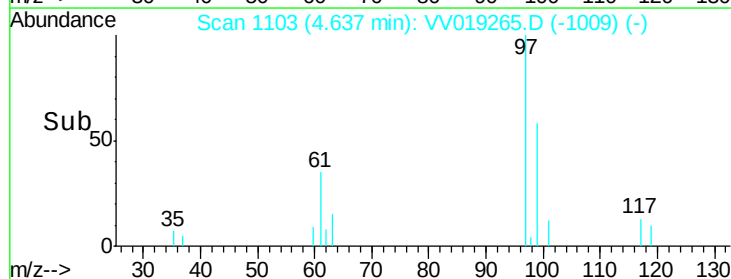
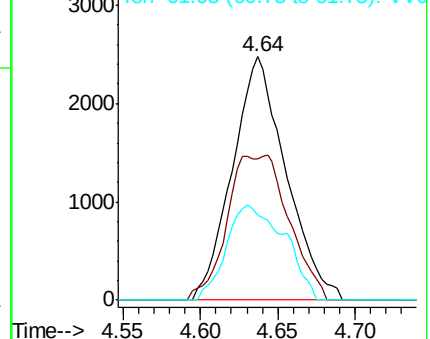
97 100

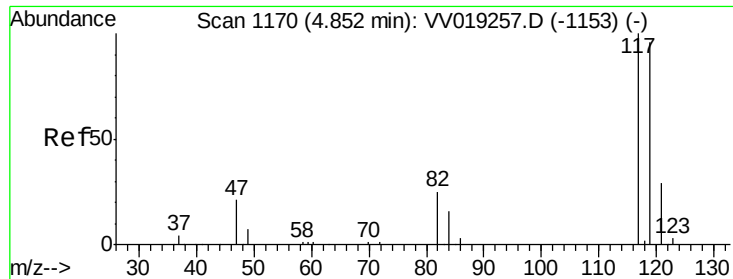
99 30.7 52.0 78.0#

61 34.9 35.3 52.9#



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0

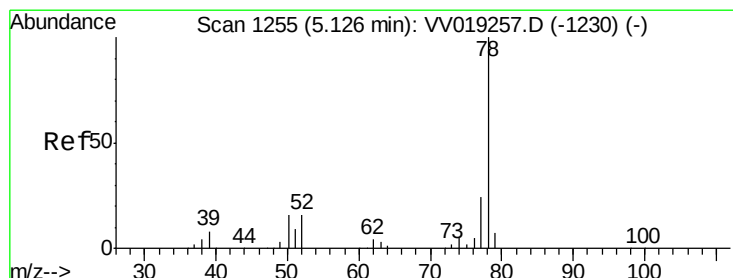
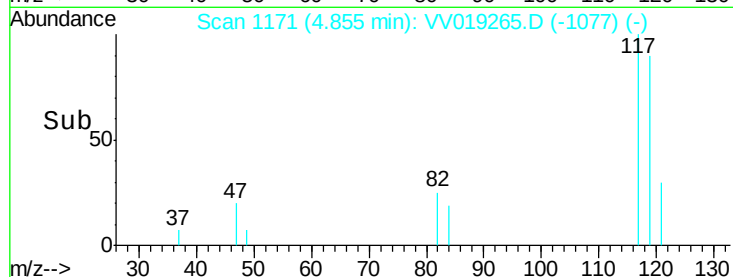
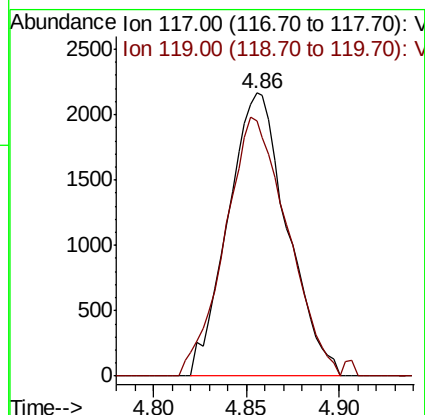
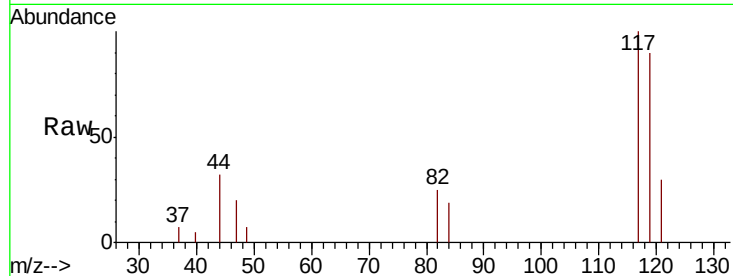




#31
Carbon tetrachloride
Concen: 2.256 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV019265.D
Acq: 05 Nov 2020 00:44

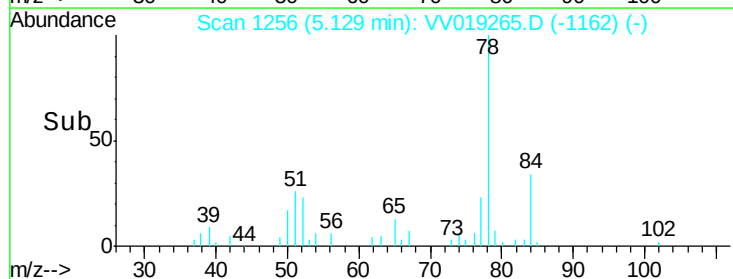
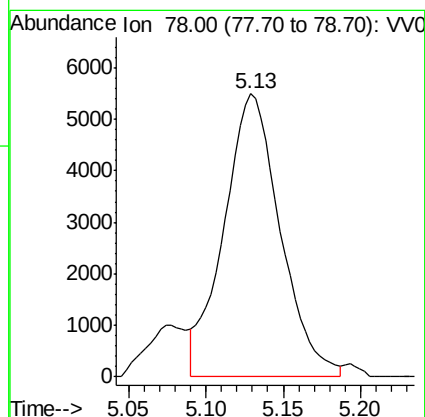
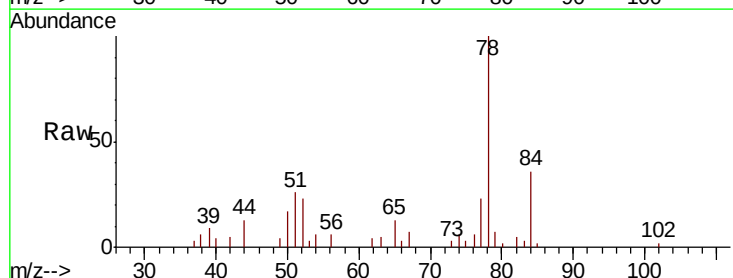
Instrument :
MSVOA_V
ClientSampleId :

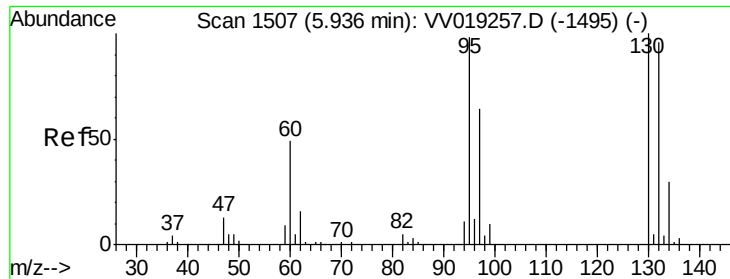
Tot Ion:117 Resp: 4798
Ion Ratio Lower Upper
117 100
119 96.9 77.8 116.6



#33
Benzene
Concen: 2.636 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VV019265.D
Acq: 05 Nov 2020 00:44

Tgt Ion: 78 Resp: 13916





#34

Trichloroethene

Concen: 2.805 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 4024

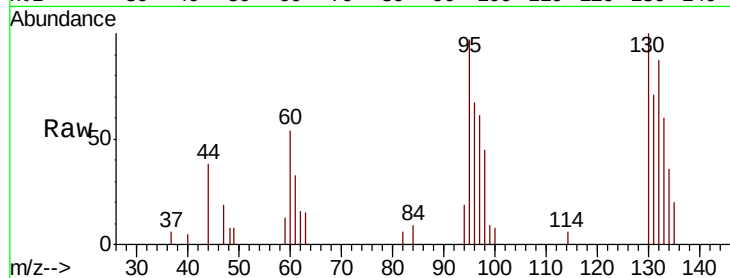
Ion Ratio Lower Upper

95 100

97 63.3 45.4 84.4

132 89.7 68.5 127.3

130 102.9 72.0 133.6



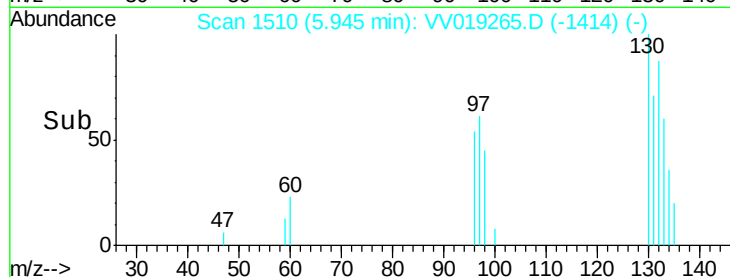
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

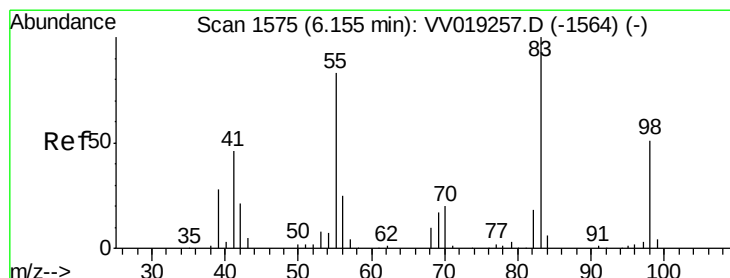
Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Time-->



Time-->



#35

Methylcyclohexane

Concen: 2.180 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

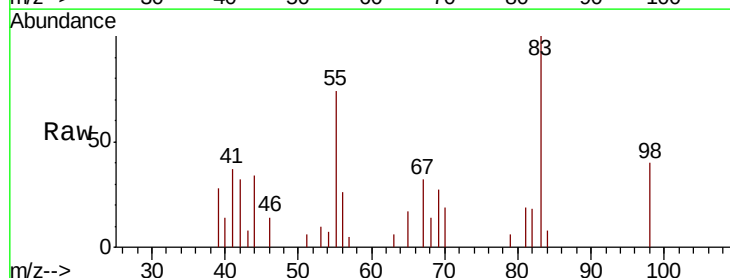
Tgt Ion: 83 Resp: 3785

Ion Ratio Lower Upper

83 100

55 85.1 62.8 94.2

98 50.8 38.6 58.0

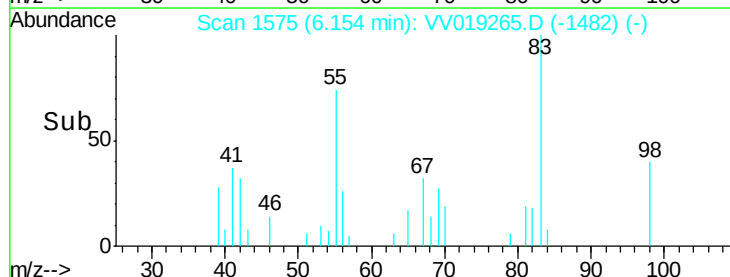


Abundance Ion 83.00 (82.70 to 83.70): VV0

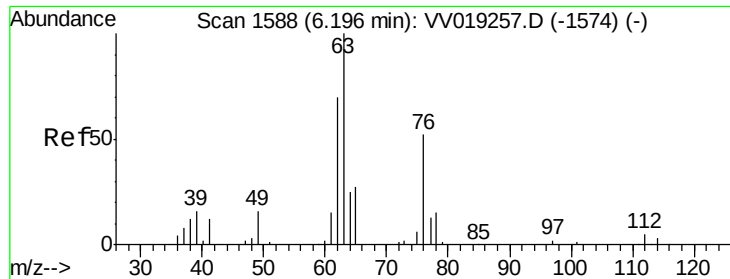
Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

Time-->



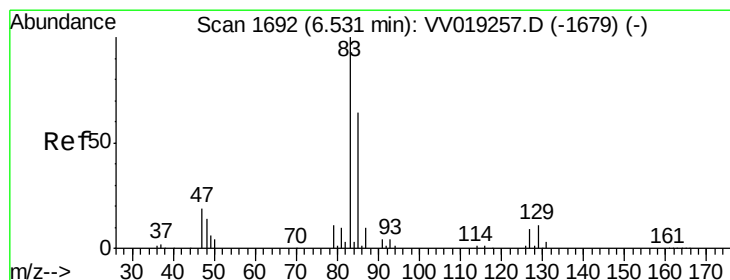
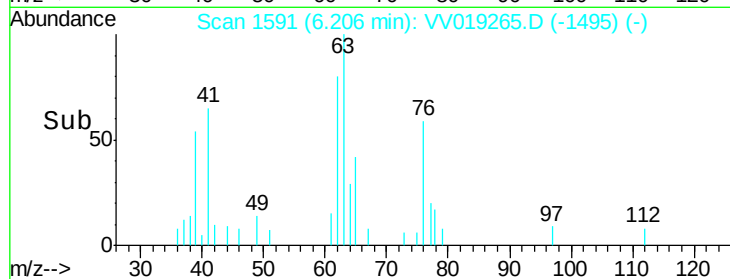
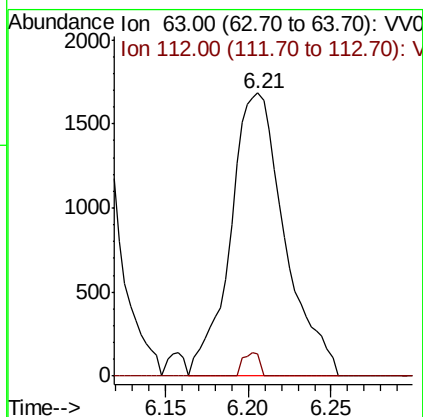
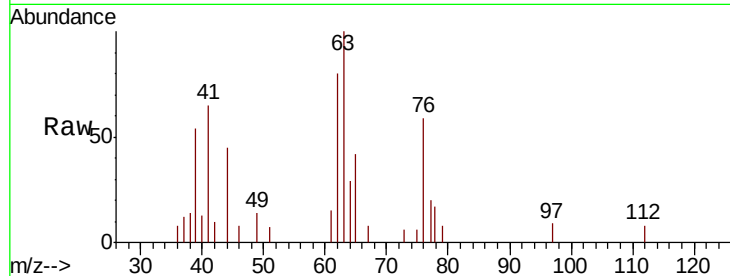
Time-->



#37
 1,2-Dichloropropane
 Concen: 2.732 ug/L
 RT: 6.21 min Scan# 1591
 Delta R.T. 0.01 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

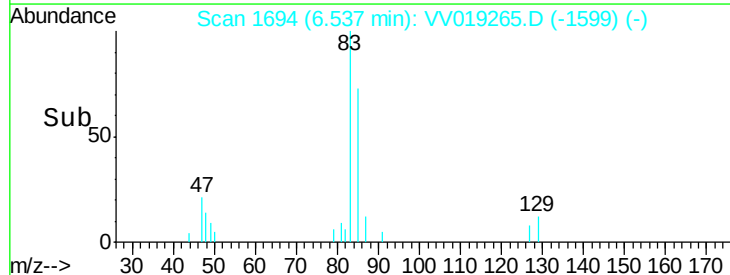
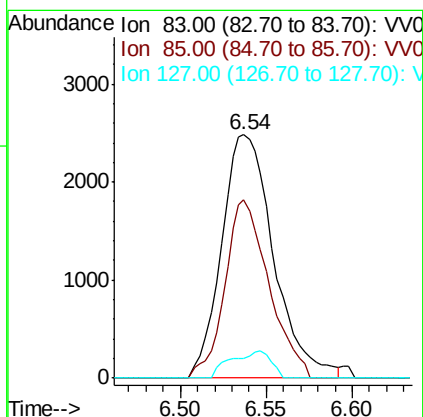
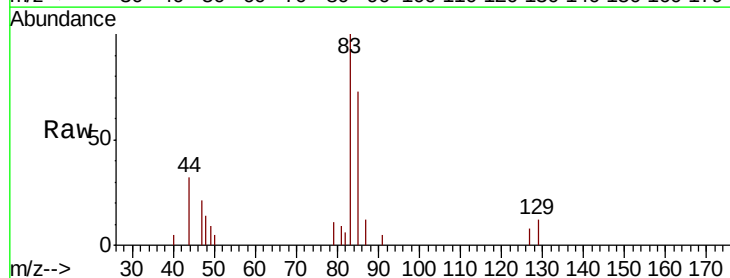
Instrument :
 MSVOA_V
 ClientSampleId :

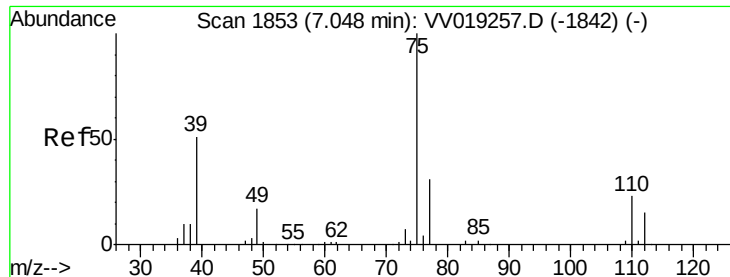
Tot Ion: 63 Resp: 3849
 Ion Ratio Lower Upper
 63 100
 112 2.5 4.2 6.2#



#38
 Bromodichloromethane
 Concen: 2.589 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

Tgt Ion: 83 Resp: 5249
 Ion Ratio Lower Upper
 83 100
 85 73.2 44.0 81.8
 127 7.9 7.3 10.9

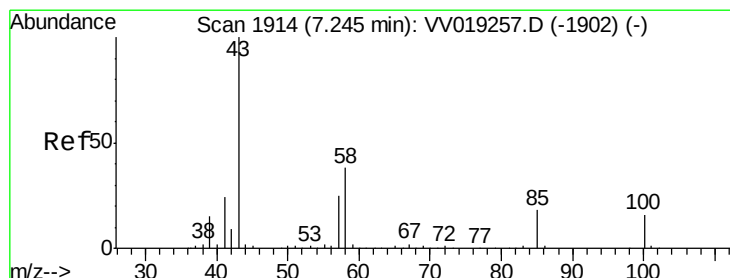
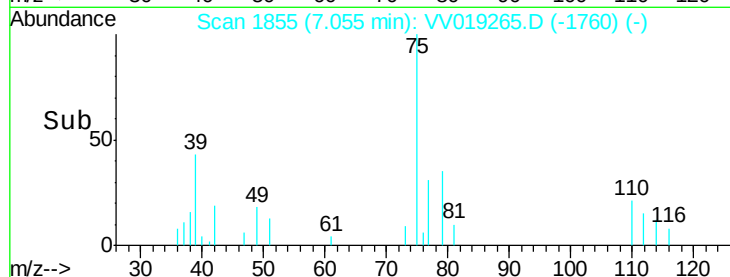
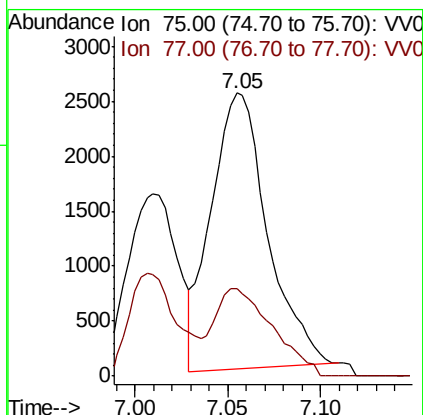
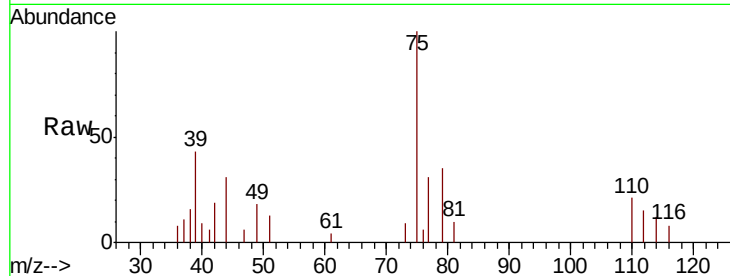




#39
 cis-1,3-Dichloropropene
 Concen: 2.349 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

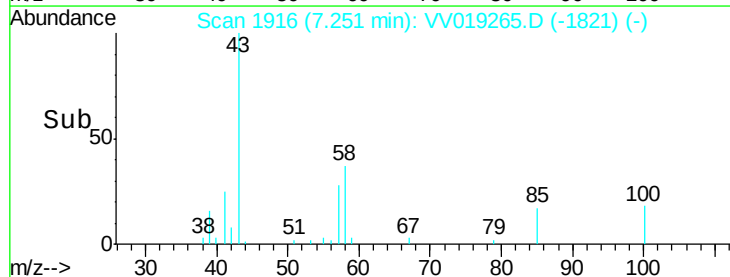
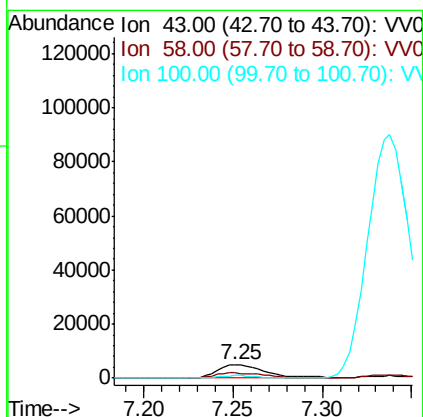
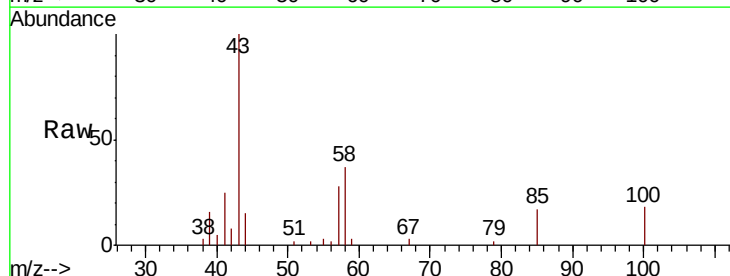
Instrument :
 MSVOA_V
 ClientSampled :

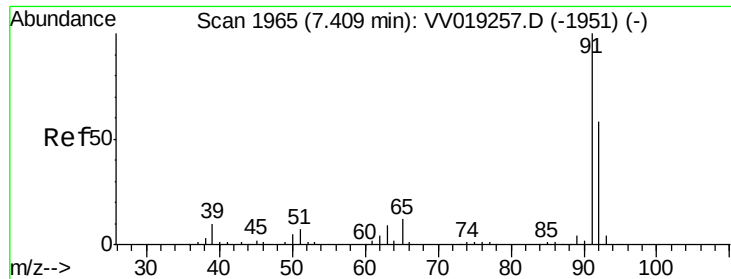
Tot Ion: 75 Resp: 5296
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 4.950 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

Tgt Ion: 43 Resp: 9368
 Ion Ratio Lower Upper
 43 100
 58 39.9 30.5 45.7
 100 15.2 12.7 19.1





#42

Toluene

Concen: 2.722 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

Instrument :

MSVOA_V

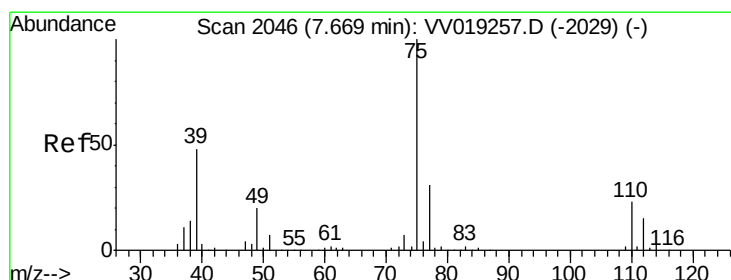
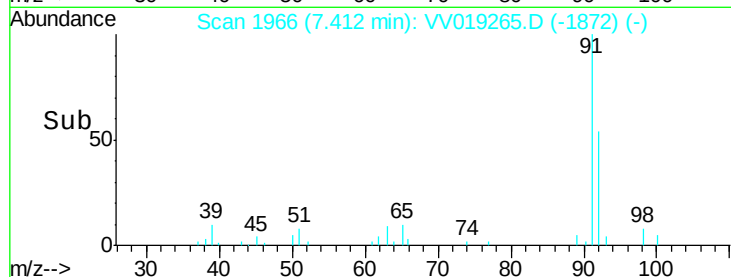
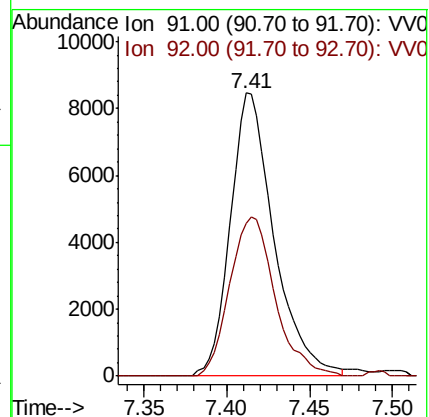
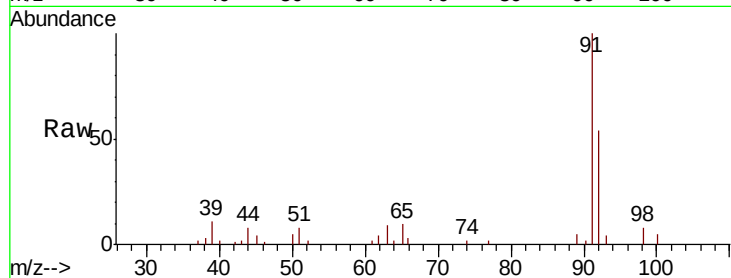
ClientSampled :

Tot Ion: 91 Resp: 15532

Ion Ratio Lower Upper

91 100

92 54.1 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 2.217 ug/L

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV019265.D

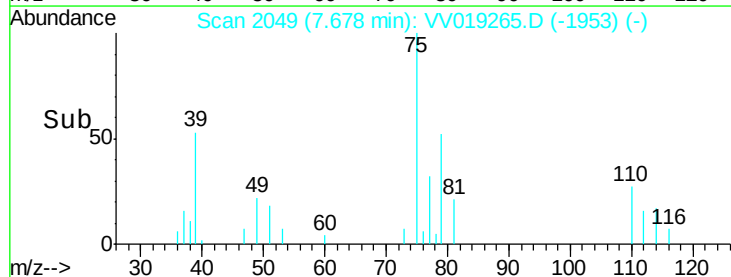
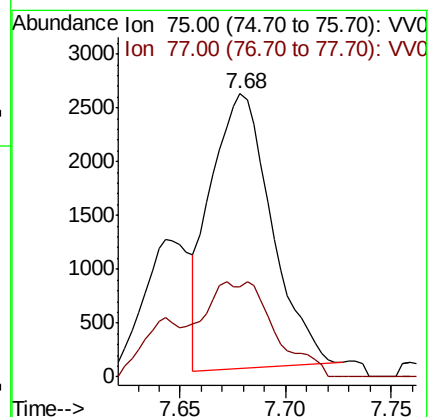
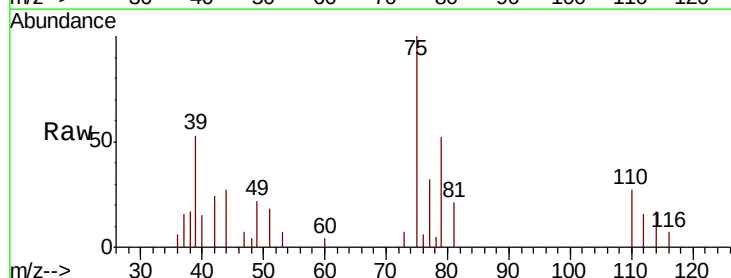
Acq: 05 Nov 2020 00:44

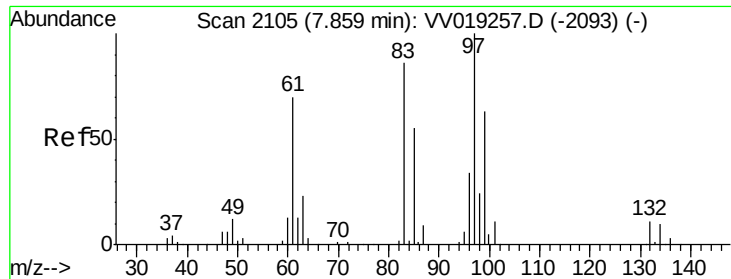
Tgt Ion: 75 Resp: 5122

Ion Ratio Lower Upper

75 100

77 31.9 21.6 40.2

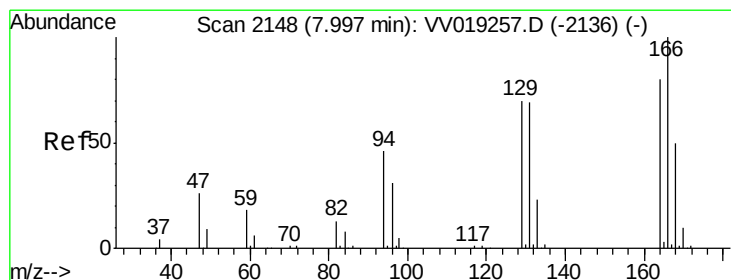
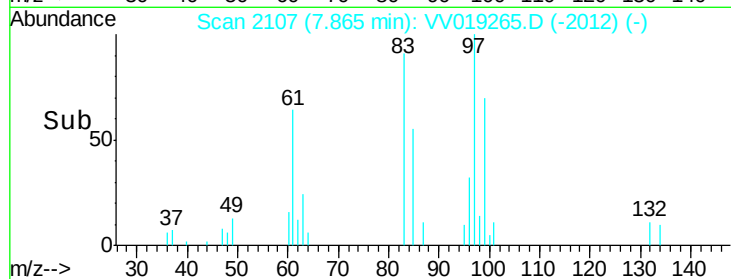
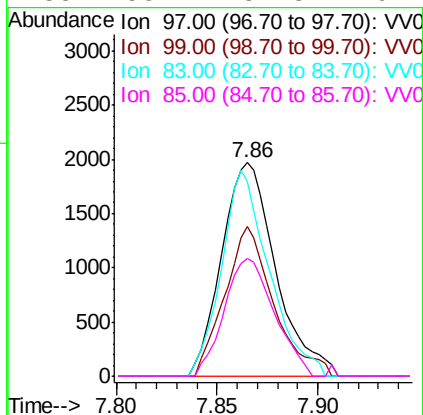
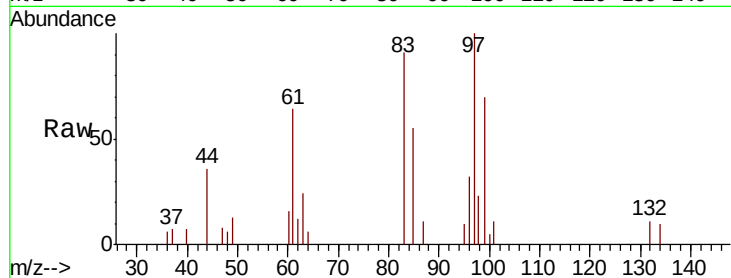




#45
 1,1,2-Trichloroethane
 Concen: 2.648 ug/L
 RT: 7.86 min Scan# 2107
 Delta R.T. 0.01 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

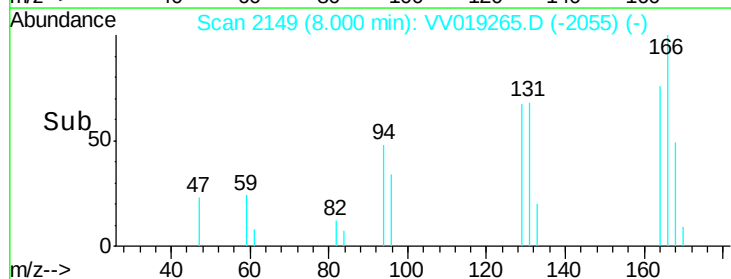
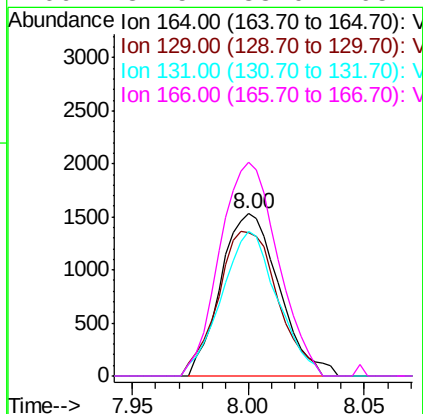
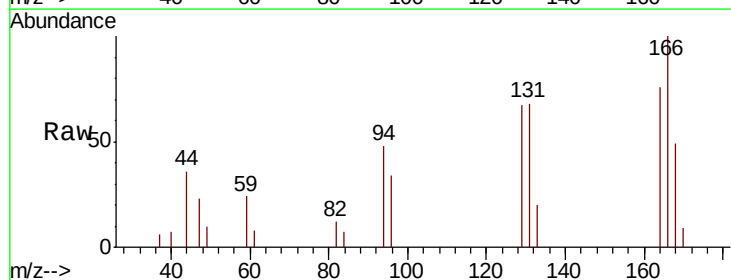
Instrument :
 MSVOA_V
 ClientSampleId :

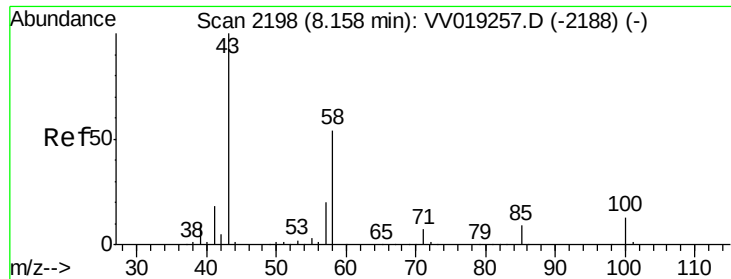
Tot Ion:	97	Resp:	3687
Ion	Ratio	Lower	Upper
97	100		
99	69.8	45.1	83.9
83	91.1	57.6	107.0
85	55.2	37.8	70.2



#46
 Tetrachloroethene
 Concen: 2.294 ug/L
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

Tgt Ion:	164	Resp:	2685
Ion	Ratio	Lower	Upper
164	100		
129	88.2	62.6	116.3
131	89.2	59.0	109.6
166	131.5	88.0	163.4

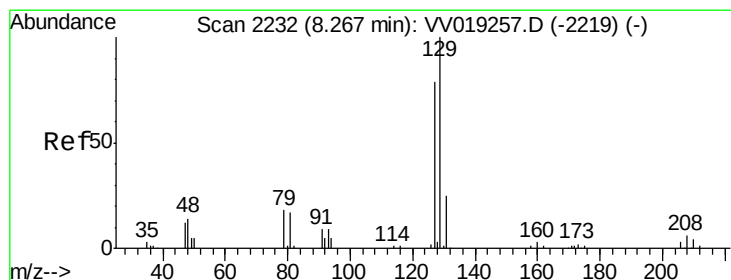
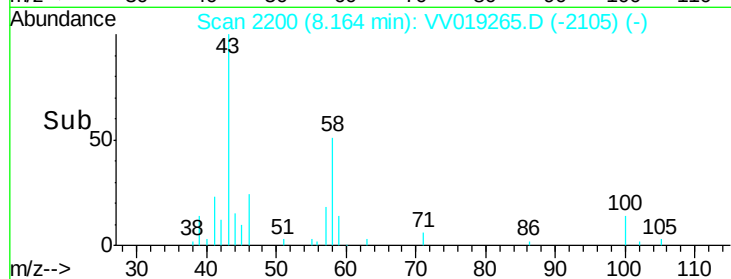
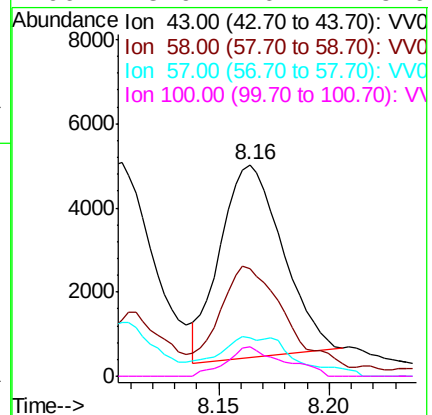
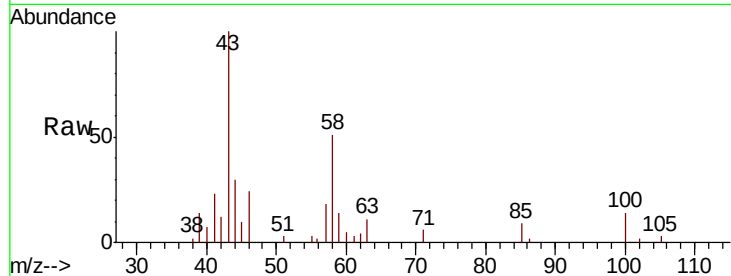




#48
2-Hexanone
Concen: 6.296 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV019265.D
Acq: 05 Nov 2020 00:44

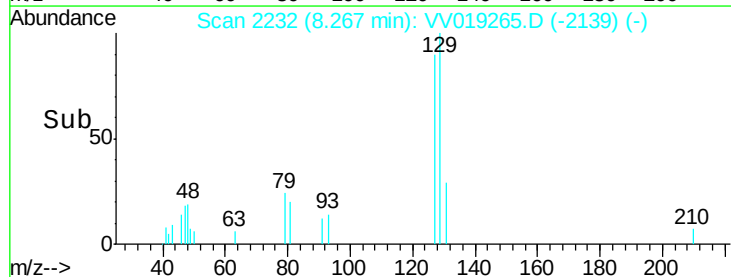
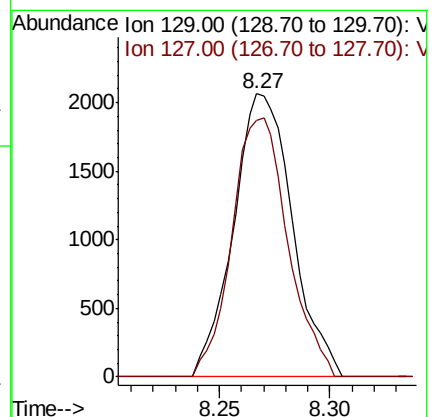
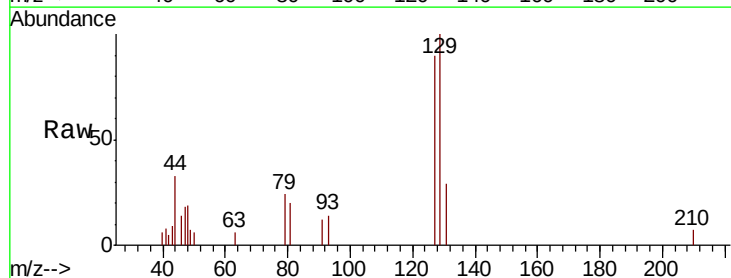
Instrument :
MSVOA_V
ClientSampleId :

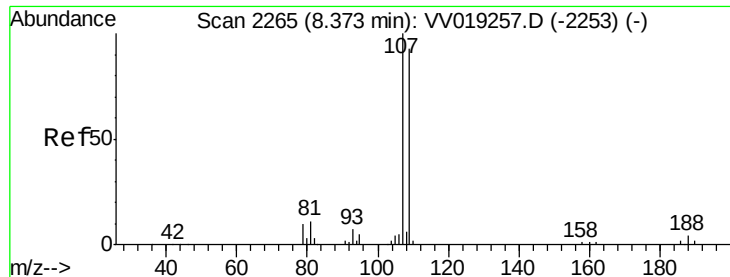
Tot Ion: 43 Resp: 9008
Ion Ratio Lower Upper
43 100
58 43.6 42.6 63.8
57 6.9 15.8 23.8#
100 13.9 10.4 15.6



#49
Dibromochloromethane
Concen: 2.305 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV019265.D
Acq: 05 Nov 2020 00:44

Tgt Ion: 129 Resp: 3827
Ion Ratio Lower Upper
129 100
127 90.4 54.4 101.0

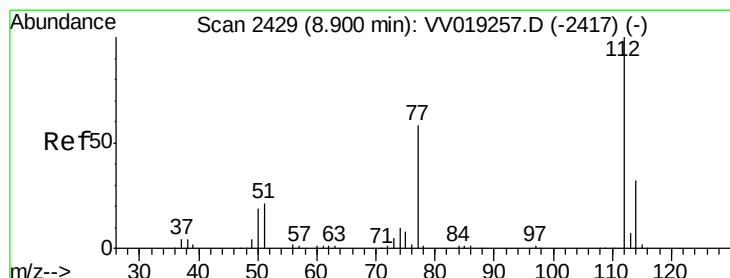
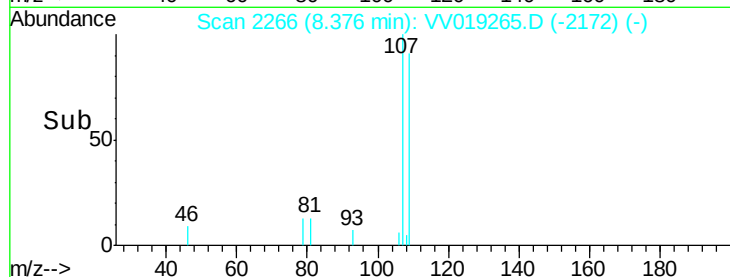
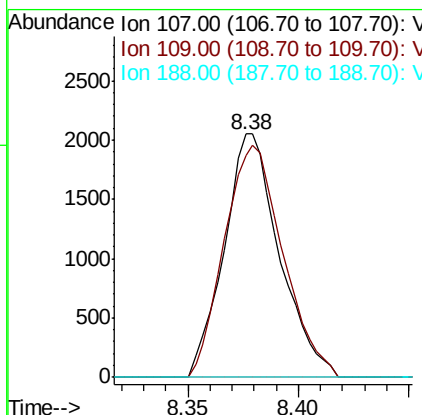
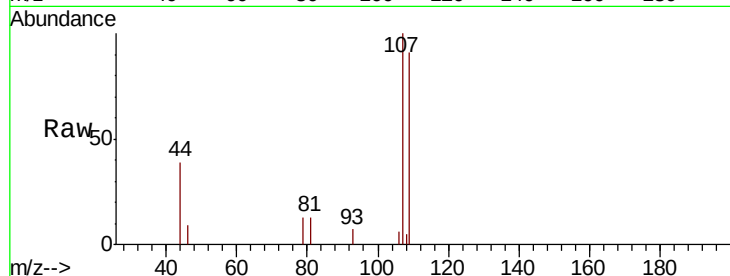




#50
 1,2-Dibromoethane
 Concen: 2.478 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

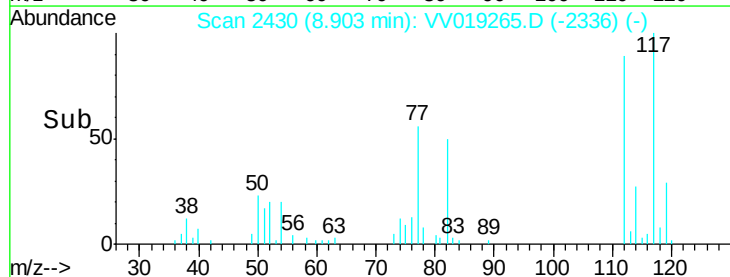
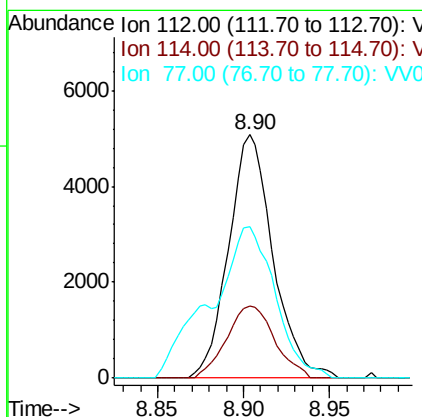
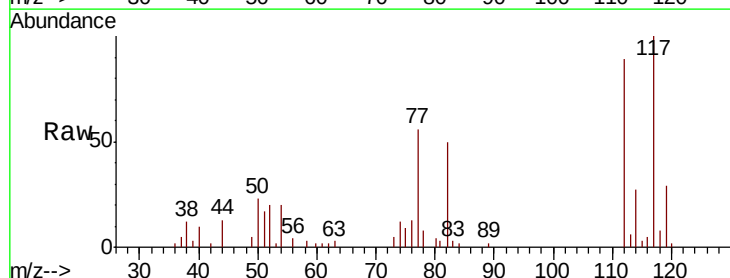
Instrument :
 MSVOA_V
 ClientSampled :

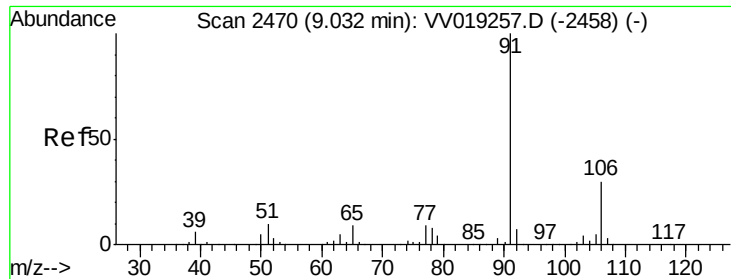
Tot Ion:107 Resp: 3577
 Ion Ratio Lower Upper
 107 100
 109 91.3 64.8 120.4
 188 0.0 3.8 5.8#



#51
 Chlorobenzene
 Concen: 2.398 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

Tgt Ion:112 Resp: 9153
 Ion Ratio Lower Upper
 112 100
 114 29.8 22.7 42.1
 77 62.4 47.3 70.9





#52

Ethylbenzene

Concen: 2.273 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

Instrument :

MSVOA_V

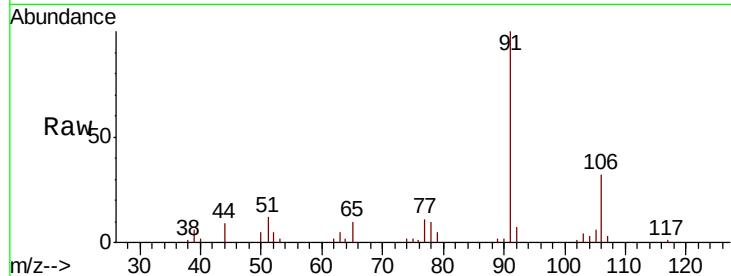
ClientSampled :

Tot Ion: 91 Resp: 14311

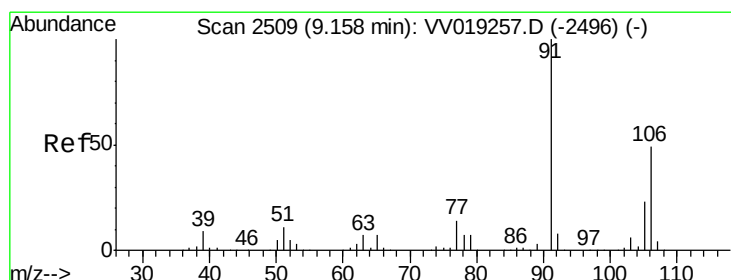
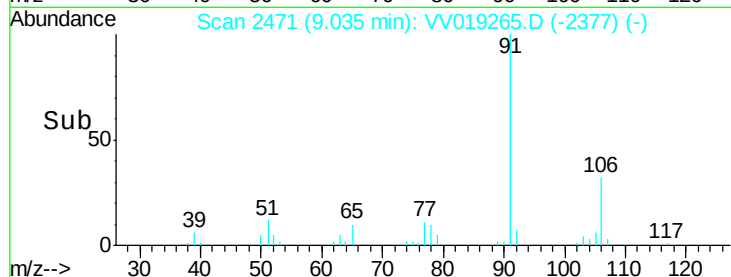
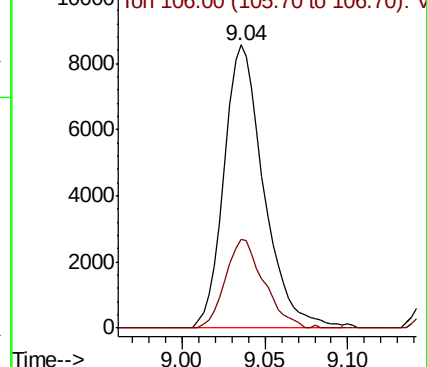
Ion Ratio Lower Upper

91 100

106 31.6 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VV019265.D (-2377) (-)



#53

m,p-Xylene

Concen: 2.080 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV019265.D

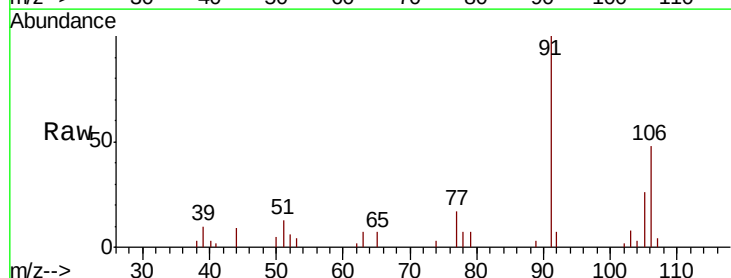
Acq: 05 Nov 2020 00:44

Tgt Ion: 106 Resp: 4902

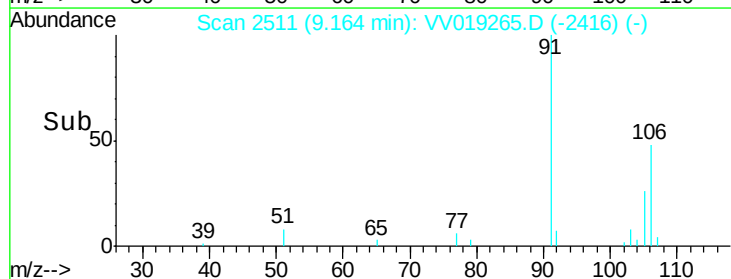
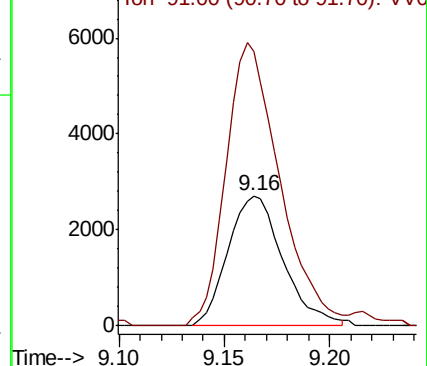
Ion Ratio Lower Upper

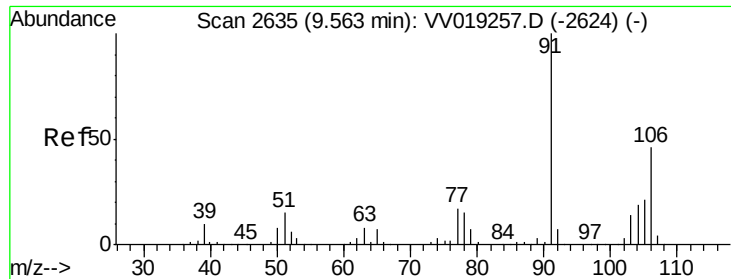
106 100

91 210.5 147.2 273.4



Abundance Ion 106.00 (105.70 to 106.70): VV019265.D (-2416) (-)

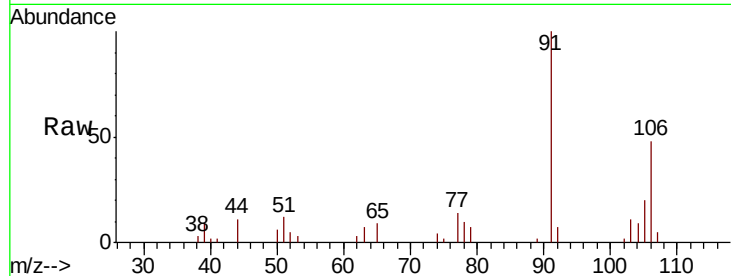




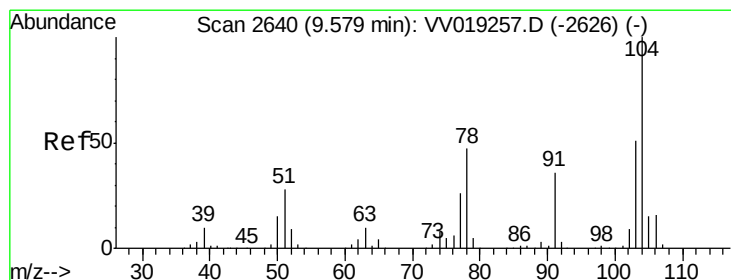
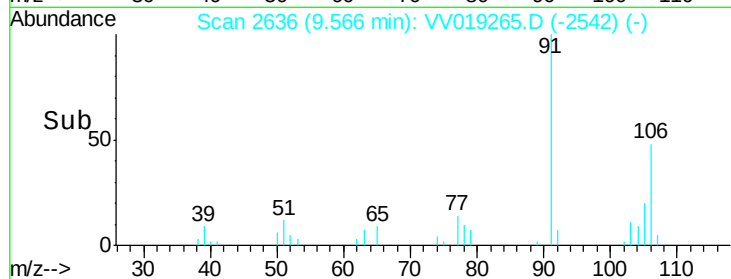
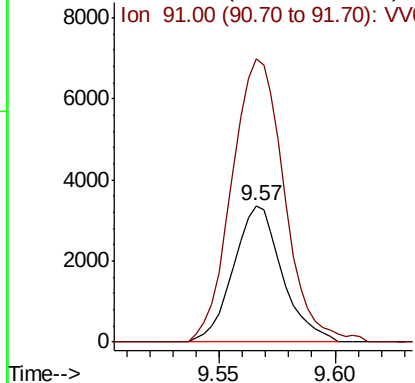
#54
o-Xylene
Concen: 2.121 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV019265.D
Acq: 05 Nov 2020 00:44

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 4928
Ion Ratio Lower Upper
106 100
91 207.0 151.6 281.6

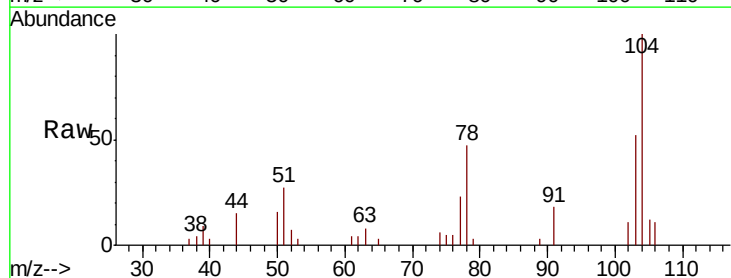


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

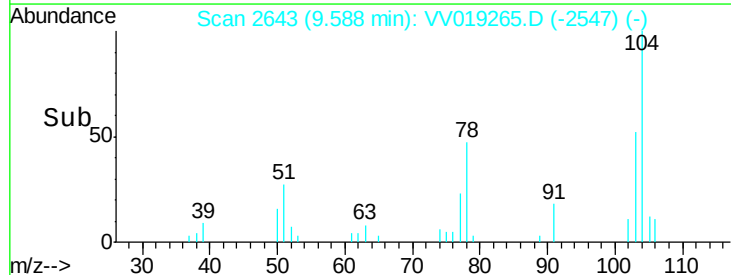
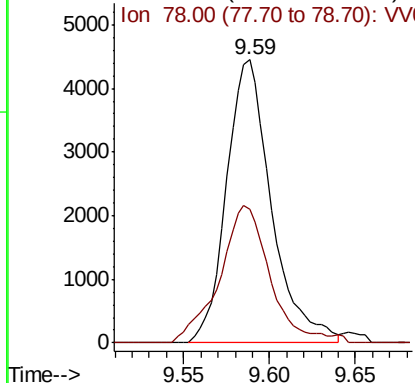


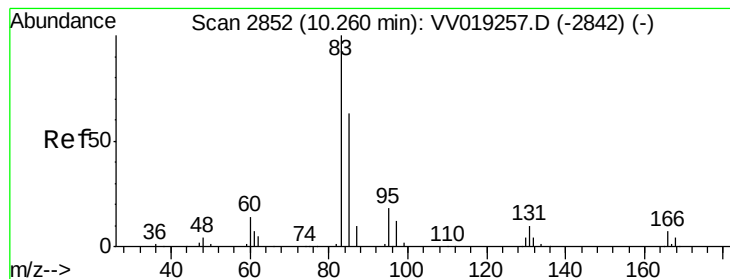
#55
Styrene
Concen: 1.958 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.01 min
Lab File: VV019265.D
Acq: 05 Nov 2020 00:44

Tgt Ion:104 Resp: 8098
Ion Ratio Lower Upper
104 100
78 47.3 32.6 60.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#57

1,1,2,2-Tetrachloroethane

Concen: 2.752 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

Instrument :

MSVOA_V

ClientSampleId :

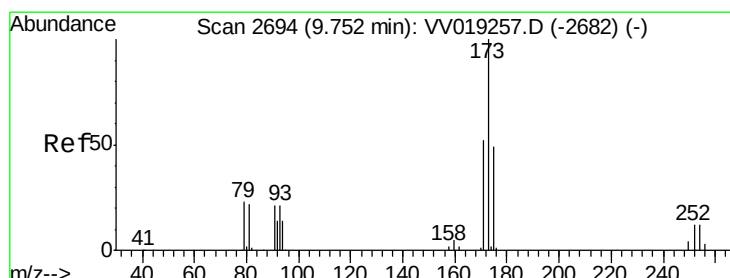
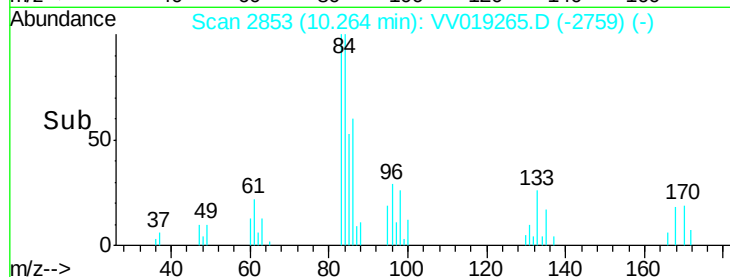
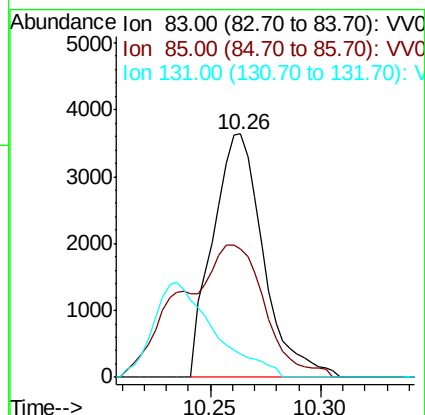
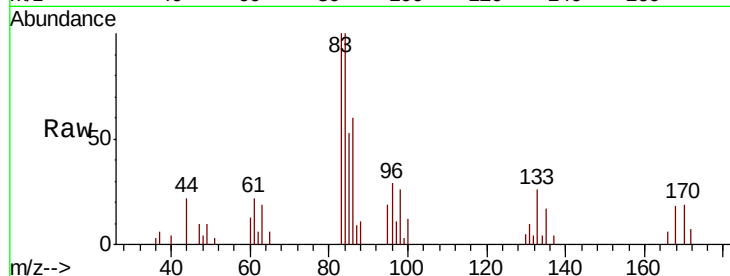
Tot Ion: 83 Resp: 5797

Ion Ratio Lower Upper

83 100

85 52.5 45.0 83.6

131 9.5 8.9 13.3



#59

Bromoform

Concen: 2.565 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

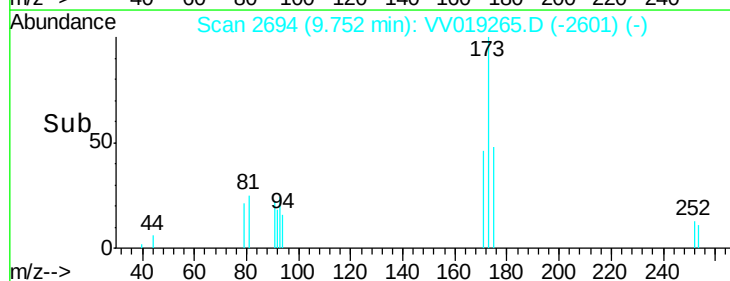
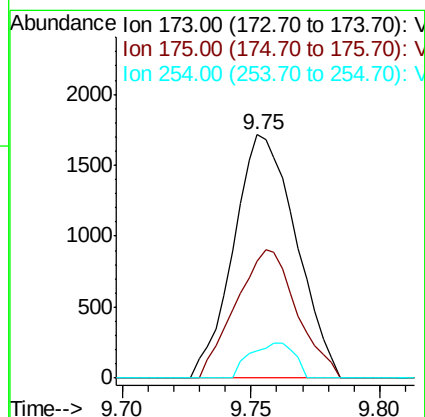
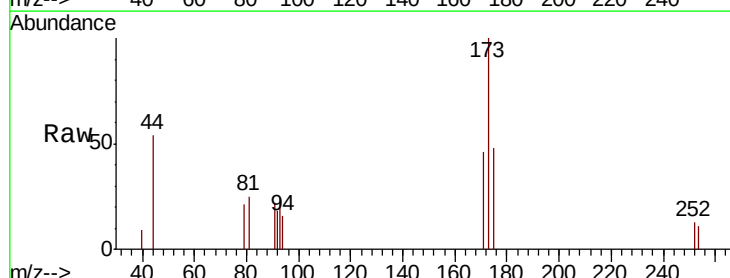
Tgt Ion: 173 Resp: 2891

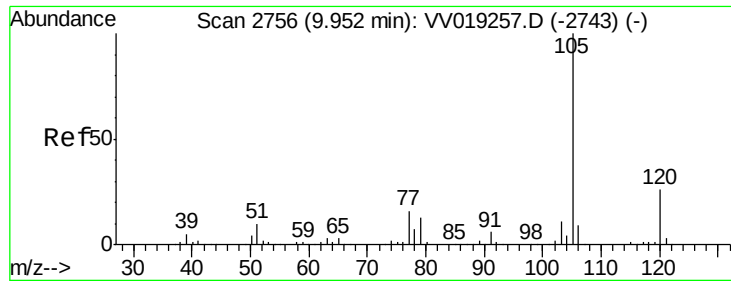
Ion Ratio Lower Upper

173 100

175 51.7 38.4 57.6

254 10.3 9.0 13.6





#60

Isopropylbenzene

Concen: 2.288 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

Instrument :

MSVOA_V

ClientSampleId :

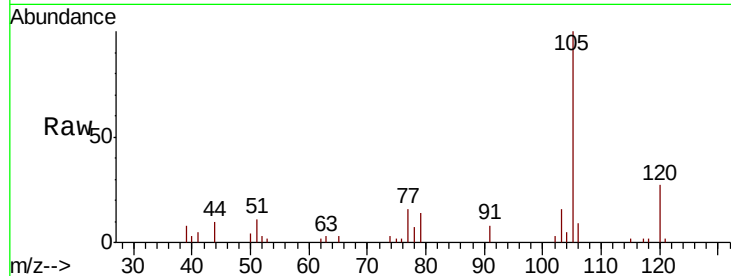
Tot Ion:105 Resp: 12178

Ion Ratio Lower Upper

105 100

120 25.7 21.0 31.4

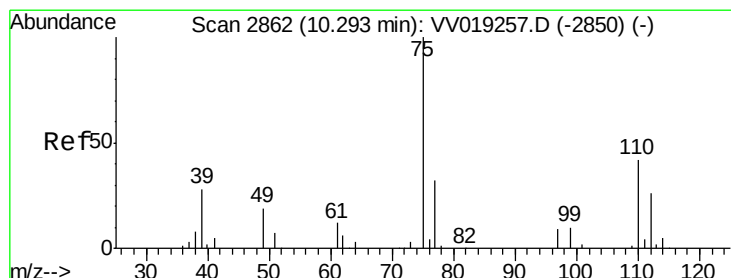
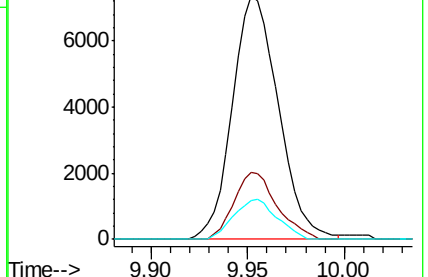
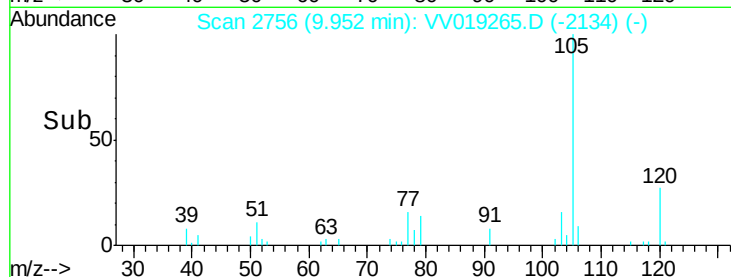
77 15.4 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): VV019257.D (-2743) (-)

Ion 120.00 (119.70 to 120.70): VV019257.D (-2743) (-)

Ion 77.00 (76.70 to 77.70): VV019257.D (-2743) (-)



#61

1,2,3-Trichloropropane

Concen: 3.198 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

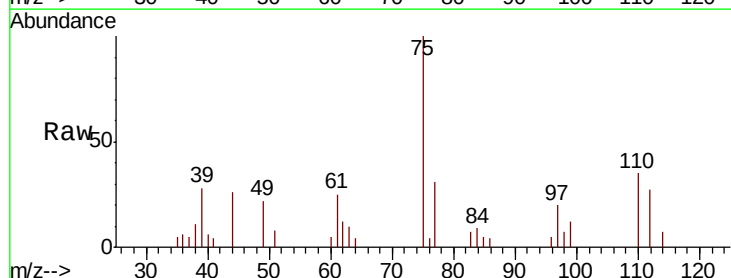
Tgt Ion: 75 Resp: 5047

Ion Ratio Lower Upper

75 100

77 30.9 24.8 37.2

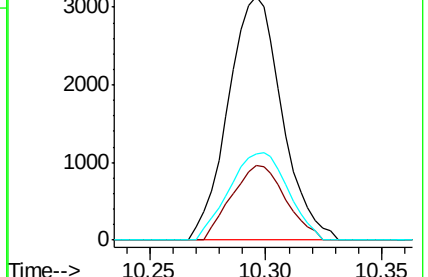
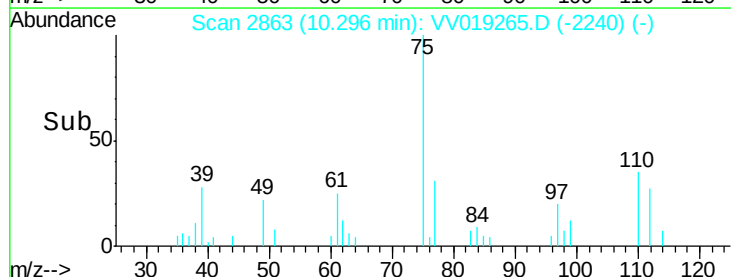
110 39.4 33.4 50.2

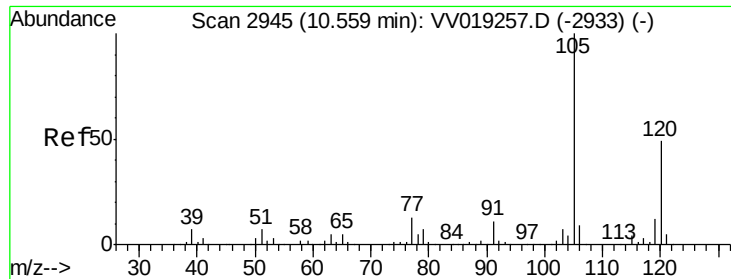


Abundance Ion 75.00 (74.70 to 75.70): VV019257.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV019257.D (-2850) (-)

Ion 110.00 (109.70 to 110.70): VV019257.D (-2850) (-)

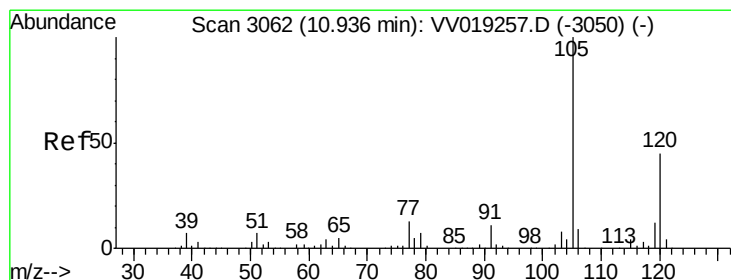
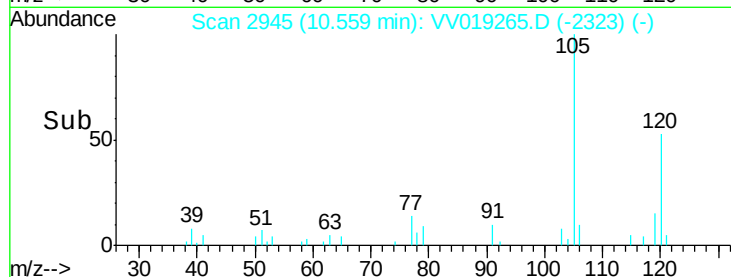
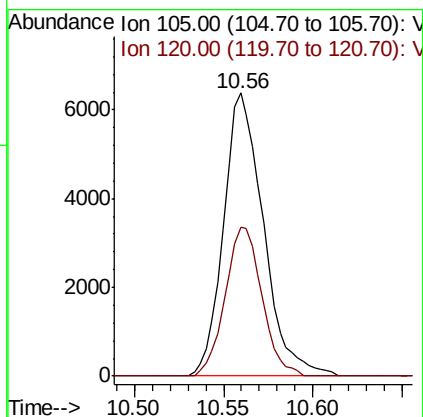
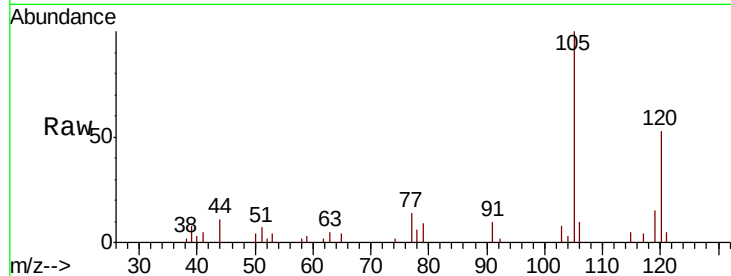




#62
 1,3,5-Trimethylbenzene
 Concen: 2.241 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. -0.00 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

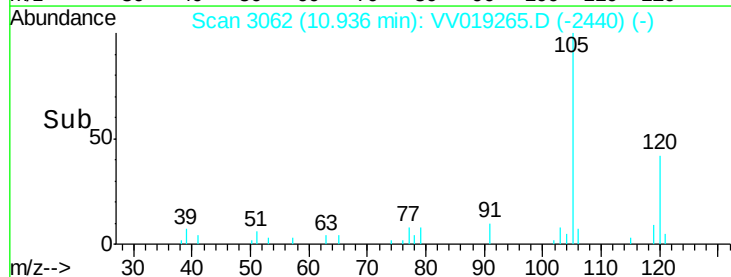
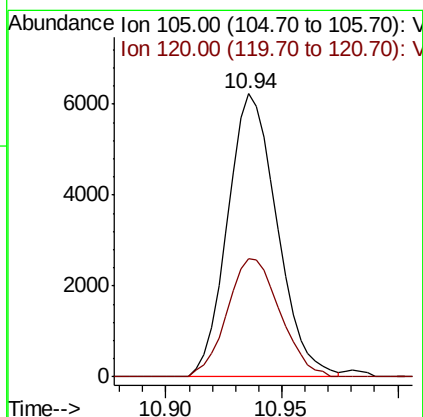
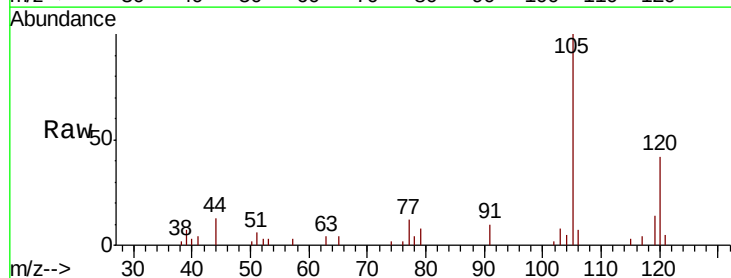
Instrument :
 MSVOA_V
 ClientSampleId :

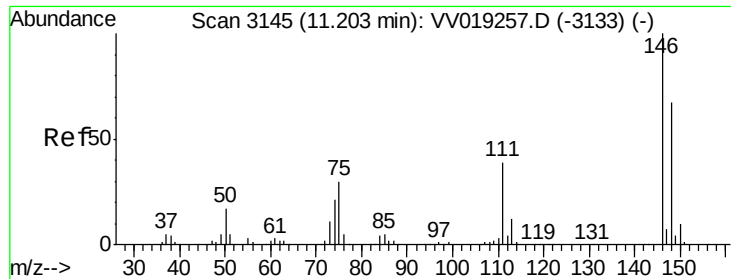
Tot Ion:105 Resp: 9934
 Ion Ratio Lower Upper
 105 100
 120 48.3 38.3 57.5



#63
 1,2,4-Trimethylbenzene
 Concen: 2.128 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

Tgt Ion:105 Resp: 9233
 Ion Ratio Lower Upper
 105 100
 120 44.7 35.7 53.5





#64

1,3-Dichlorobenzene

Concen: 2.555 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

Instrument :

MSVOA_V

ClientSampleId :

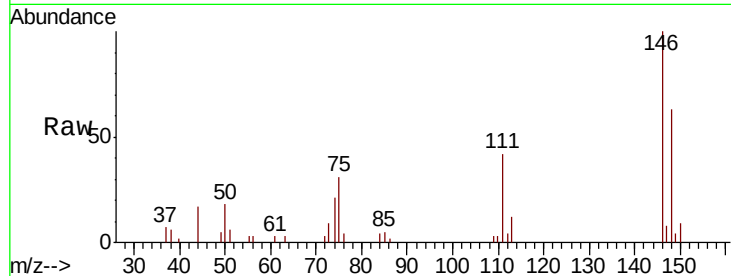
Tot Ion:146 Resp: 7115

Ion Ratio Lower Upper

146 100

111 42.5 27.3 50.7

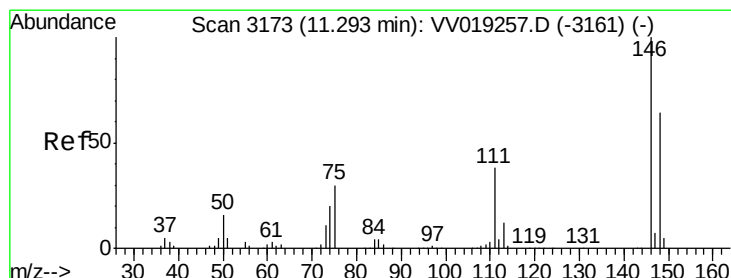
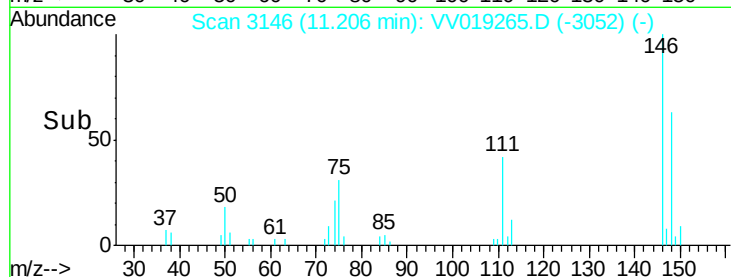
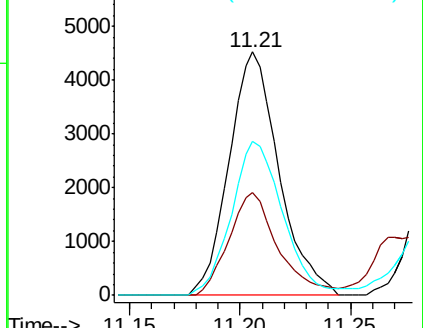
148 63.4 45.2 84.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 2.723 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

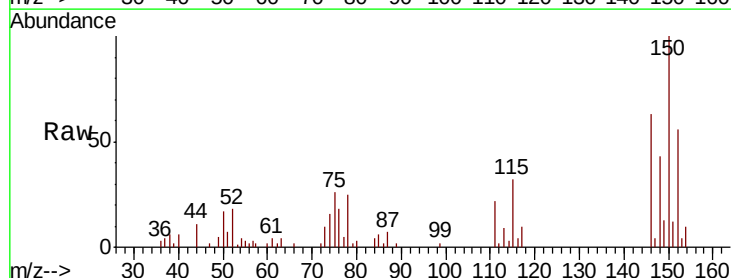
Tgt Ion:146 Resp: 7844

Ion Ratio Lower Upper

146 100

111 34.4 25.9 48.1

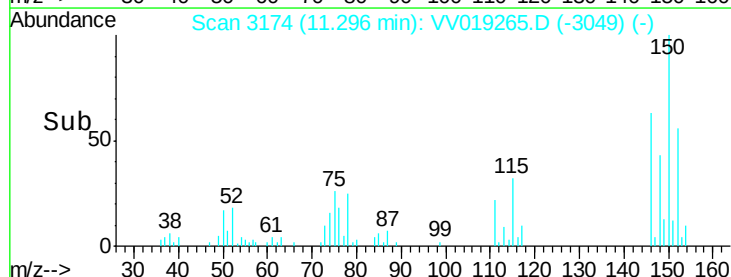
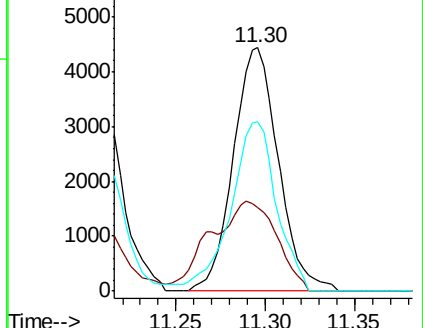
148 69.5 44.9 83.5

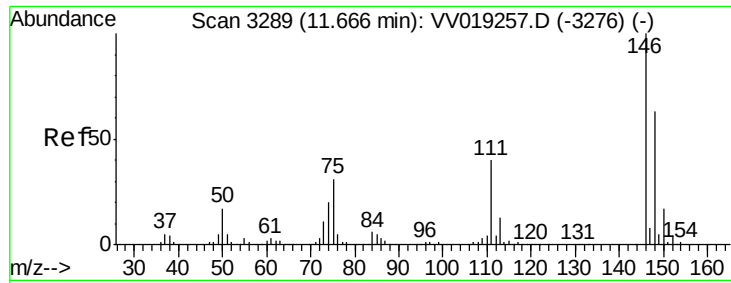


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

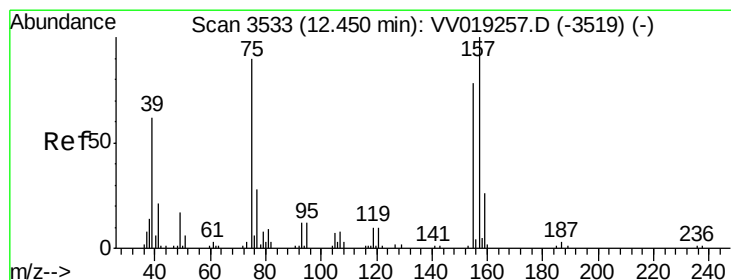
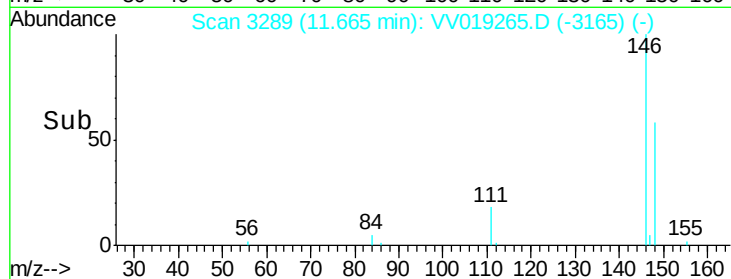
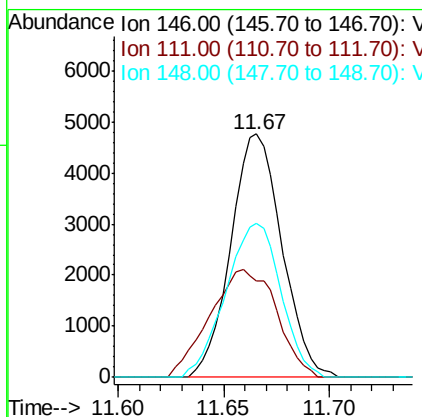
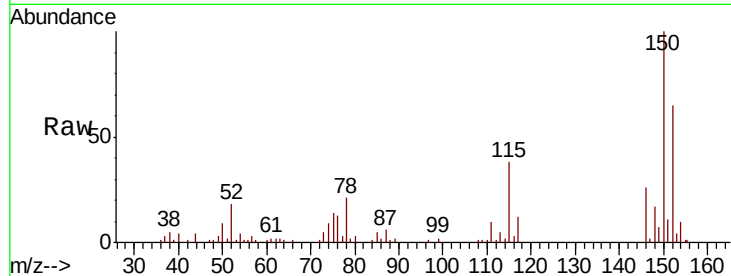




#67
 1,2-Dichlorobenzene
 Concen: 2.816 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

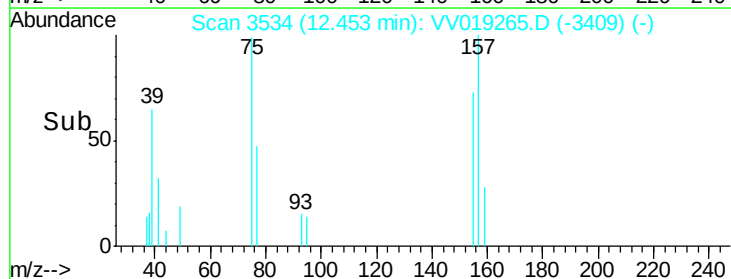
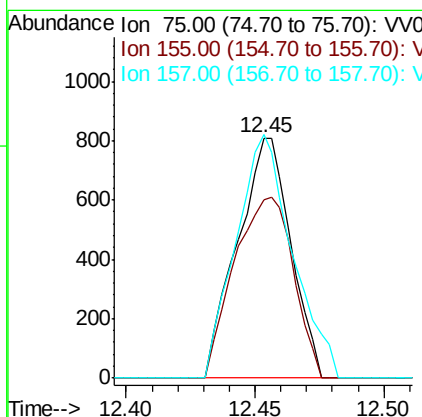
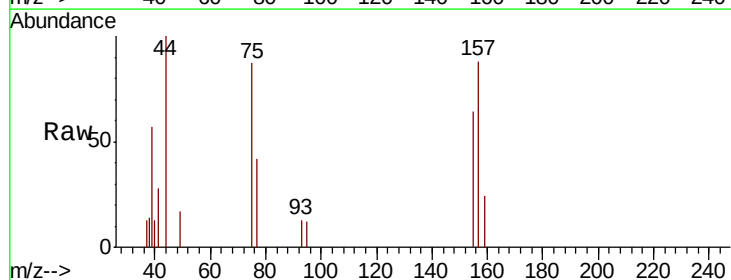
Instrument :
 MSVOA_V
 ClientSampleId :

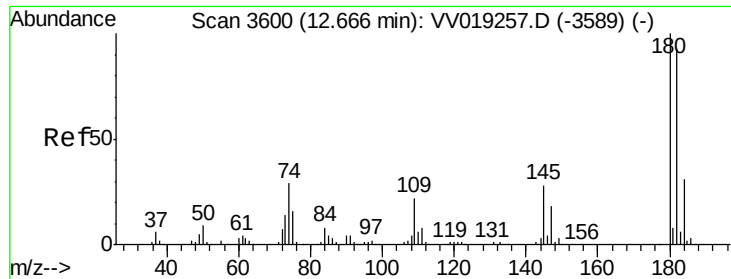
Tot Ion:146 Resp: 8022
 Ion Ratio Lower Upper
 146 100
 111 39.5 32.6 48.8
 148 63.4 50.1 75.1



#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.535 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

Tgt Ion: 75 Resp: 1167
 Ion Ratio Lower Upper
 75 100
 155 74.2 65.8 98.6
 157 101.4 86.3 129.5

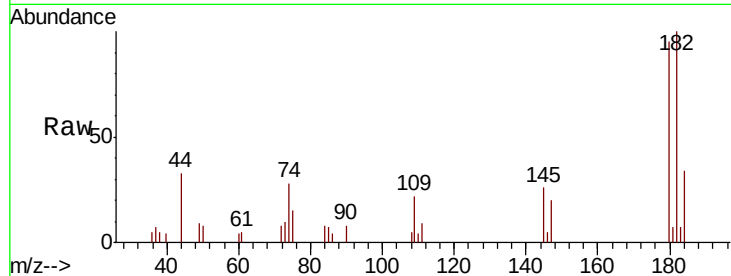




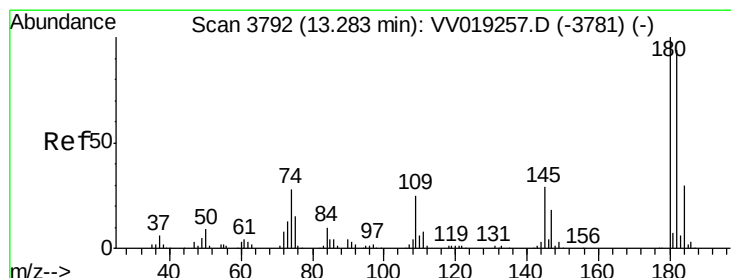
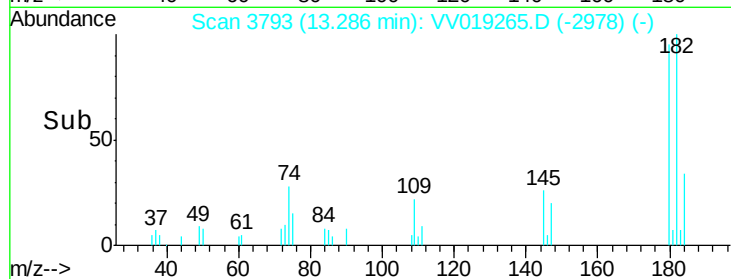
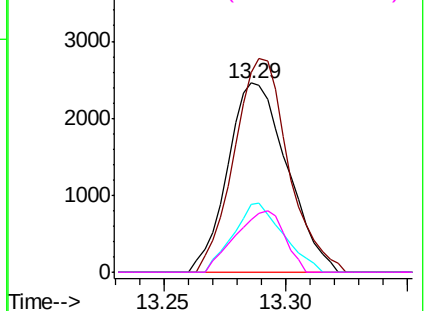
#69
 1,3,5-Trichlorobenzene
 Concen: 2.084 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.62 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 4165
 Ion Ratio Lower Upper
 180 100
 182 102.9 77.7 116.5
 184 30.6 24.9 37.3
 145 26.7 23.4 35.0

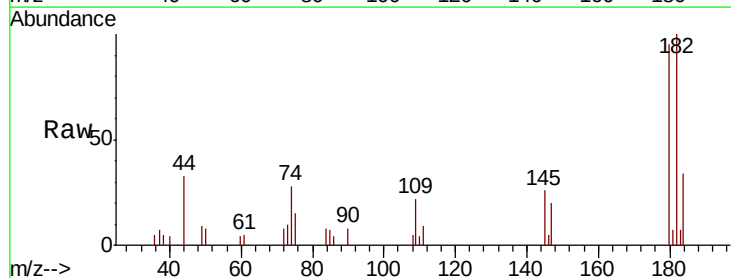


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

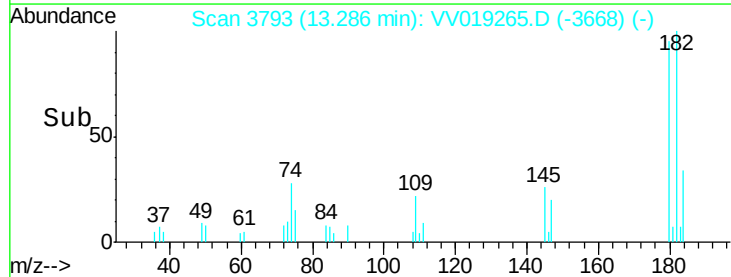
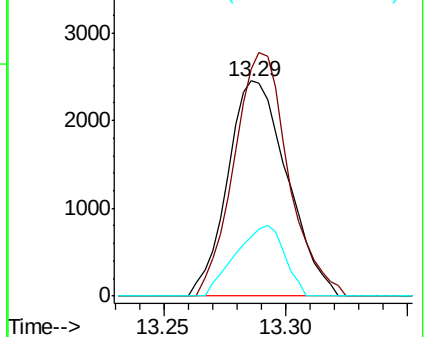


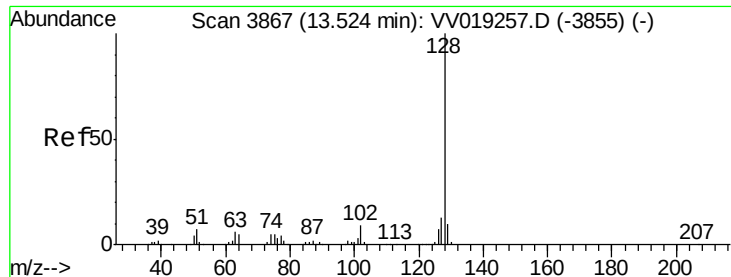
#70
 1,2,4-trichlorobenzene
 Concen: 2.215 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV019265.D
 Acq: 05 Nov 2020 00:44

Tgt Ion:180 Resp: 4165
 Ion Ratio Lower Upper
 180 100
 182 102.9 76.6 114.8
 145 26.7 23.2 34.8



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#71

Naphthalene

Concen: 1.784 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.01 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

Instrument :

MSVOA_V

ClientSampleId :

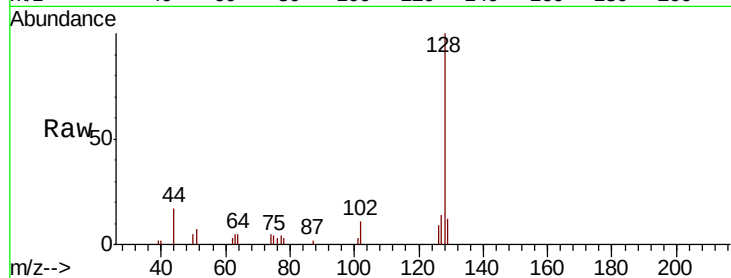
Tot Ion:128 Resp: 9464

Ion Ratio Lower Upper

128 100

127 7.5 10.7 16.1#

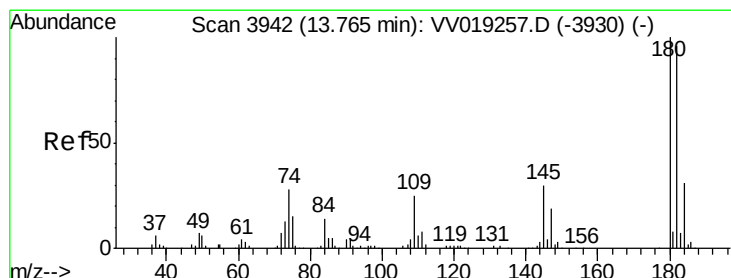
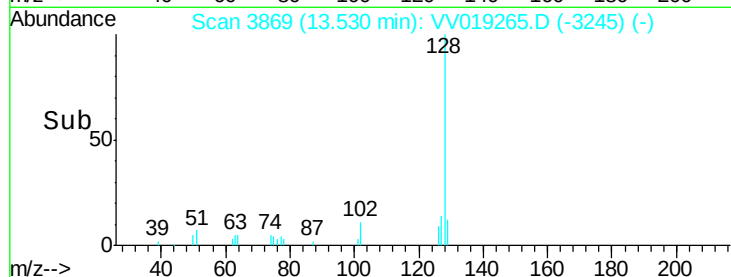
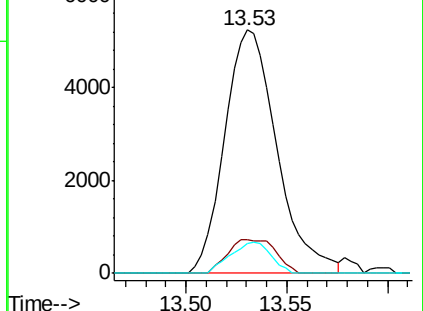
129 9.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#72

1,2,3-Trichlorobenzene

Concen: 2.283 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV019265.D

Acq: 05 Nov 2020 00:44

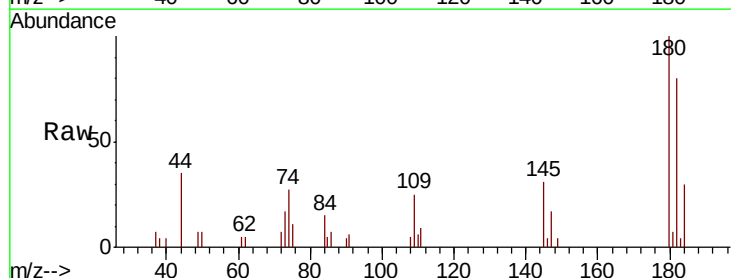
Tgt Ion:180 Resp: 4256

Ion Ratio Lower Upper

180 100

182 86.7 77.4 116.0

145 28.9 24.7 37.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

