

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102920\
 Data File : VV019159.D
 Acq On : 29 Oct 2020 20:48
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA-V/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Quant Time: Oct 30 05:39:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 30 05:31:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	222627	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	212603	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	106819	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	85572	48.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.74%
7) Chloroethane-d5	1.58	69	69612	50.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.30%
11) 1,1-Dichloroethene-d2	2.12	63	127457	37.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.74%
21) 2-Butanone-d5	3.91	46	116001	107.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.05%
24) Chloroform-d	4.38	84	165971	50.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.86%
26) 1,2-Dichloroethane-d4	5.06	65	120102	52.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.74%
32) Benzene-d6	5.07	84	314236	52.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.20%
36) 1,2-Dichloropropane-d6	6.09	67	97388	54.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.32%
41) Toluene-d8	7.34	98	288848	49.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.72%
43) trans-1,3-Dichloropropene-	7.64	79	51632	49.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.24%
47) 2-Hexanone-d5	8.11	63	82700	106.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.19%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	124492	51.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.70%
64) 1,2-Dichlorobenzene-d4	11.65	152	118034	52.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.18%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3721	1.904 ug/L	99
3) Chloromethane	1.25	50	4068	2.292 ug/L	92
5) Vinyl chloride	1.32	62	4368	2.403 ug/L #	65
6) Bromomethane	1.53	94	2805	2.304 ug/L	95
8) Chloroethane	1.60	64	2827	2.502 ug/L	85
9) Trichlorofluoromethane	1.77	101	6106	2.016 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3461	2.374 ug/L #	85
12) 1,1-Dichloroethene	2.13	96	4067	2.849 ug/L #	1
13) Acetone	2.20	43	4353	4.324 ug/L	91
14) Carbon disulfide	2.31	76	9421	2.076 ug/L	100
15) Methyl Acetate	2.46	43	4152	2.559 ug/L #	75
16) Methylene chloride	2.52	84	4244	2.618 ug/L	89
17) trans-1,2-Dichloroethene	2.78	96	3261	2.127 ug/L	89
18) Methyl tert-butyl Ether	2.79	73	10959	2.134 ug/L #	88
19) 1,1-Dichloroethane	3.22	63	6289	2.201 ug/L	95
20) cis-1,2-Dichloroethene	3.94	96	3387	2.013 ug/L	84
23) Bromochloromethane	4.28	128	1801	1.994 ug/L	95

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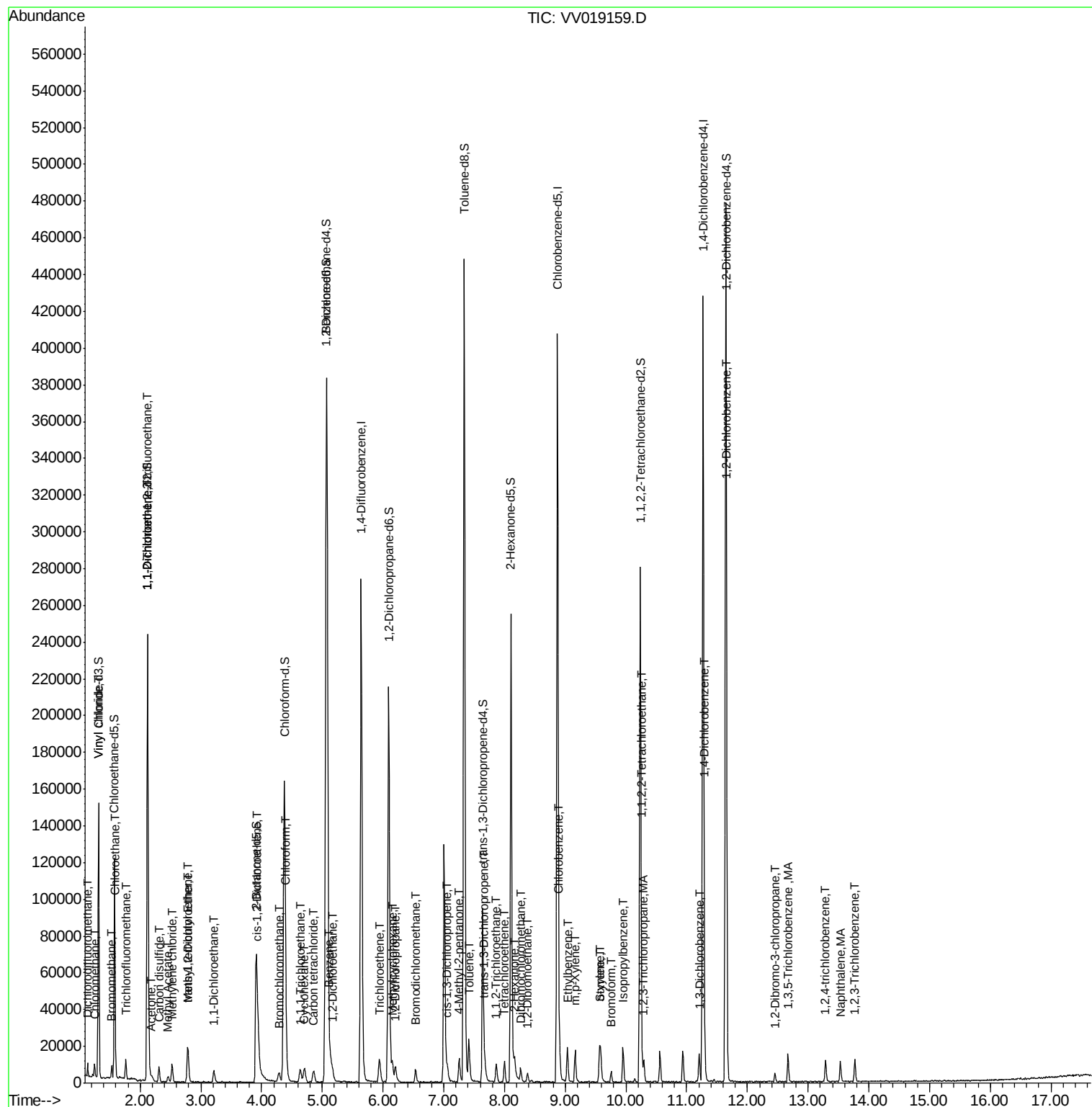
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.41	83	7913	2.563	ug/L	96
27) 1,2-Dichloroethane	5.17	62	6295	2.395	ug/L	96
29) Cyclohexane	4.70	56	4182	1.762	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	5685	1.973	ug/L	97
31) Carbon tetrachloride	4.86	117	5075	1.986	ug/L	89
33) Benzene	5.13	78	12403	2.023	ug/L	100
34) Trichloroethene	5.95	95	3309	1.971	ug/L	95
35) Methylcyclohexane	6.15	83	3777	1.666	ug/L	99
37) 1,2-Dichloropropane	6.21	63	3490	2.293	ug/L #	85
38) Bromodichloromethane	6.53	83	4529	2.000	ug/L	93
39) cis-1,3-Dichloropropene	7.06	75	5110	2.032	ug/L	87
40) 4-Methyl-2-pentanone	7.25	43	8431	4.015	ug/L	99
42) Toluene	7.41	91	17508	2.605	ug/L	98
44) trans-1,3-Dichloropropene	7.68	75	4282	1.637	ug/L	92
45) 1,1,2-Trichloroethane	7.87	97	3261	2.136	ug/L	94
46) Tetrachloroethene	8.00	164	2565	1.789	ug/L	91
48) 2-Hexanone	8.17	43	9084	5.442	ug/L #	84
49) Dibromochloromethane	8.27	129	3846	2.081	ug/L	91
50) 1,2-Dibromoethane	8.38	107	3425	2.103	ug/L #	96
51) Chlorobenzene	8.90	112	8525	1.935	ug/L	99
52) Ethylbenzene	9.04	91	13501	1.823	ug/L	99
53) m,p-Xylene	9.16	106	4826	1.726	ug/L	97
54) o-xylene	9.56	106	4507	1.678	ug/L	99
55) Styrene	9.59	104	7842	1.648	ug/L	95
56) Isopropylbenzene	9.95	105	11977	1.660	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	5252	2.259	ug/L #	98
59) 1,2,3-Trichloropropane	10.29	75	4427	2.225	ug/L	98
61) Bromoform	9.76	173	2630	1.996	ug/L	98
62) 1,3-Dichlorobenzene	11.21	146	6535	1.940	ug/L	95
63) 1,4-Dichlorobenzene	11.30	146	7338	2.096	ug/L	96
65) 1,2-Dichlorobenzene	11.67	146	7420	2.223	ug/L	92
66) 1,2-Dibromo-3-chloropropan	12.46	75	1123	1.966	ug/L	94
67) 1,3,5-Trichlorobenzene	12.67	180	5245	2.115	ug/L	92
68) 1,2,4-trichlorobenzene	13.29	180	4157	1.789	ug/L	99
69) Naphthalene	13.53	128	9914	1.523	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	4273	1.879	ug/L	99

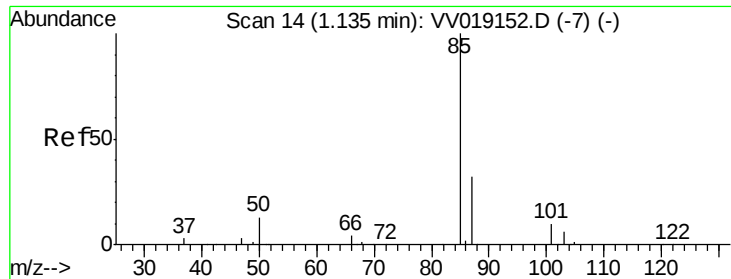
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#2

Dichlorodifluoromethane

Concen: 1.904 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019159.D

Acq: 29 Oct 2020 20:48

Instrument :

MSVOA_V

ClientSampleId :

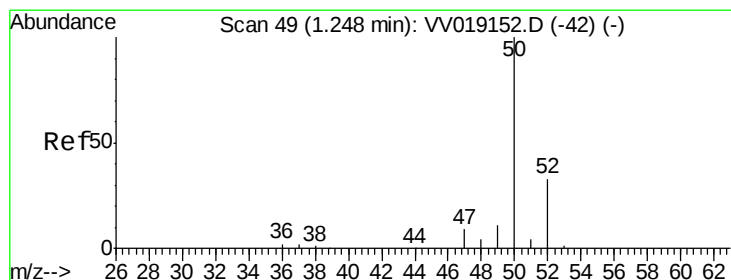
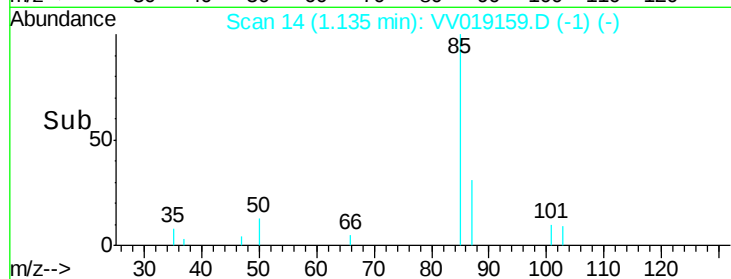
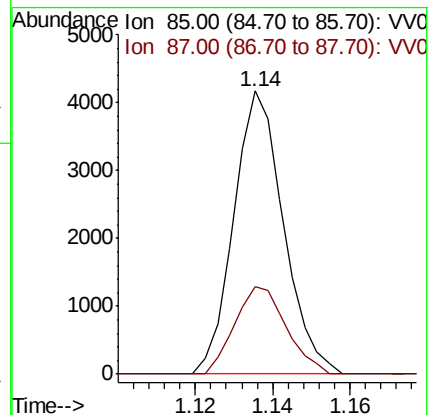
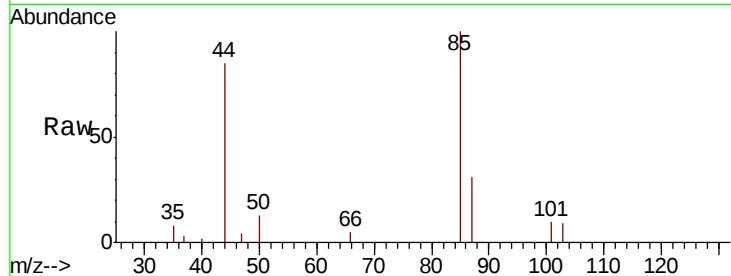
MDL05

Tot Ion: 85 Resp: 3721

Ion Ratio Lower Upper

85 100

87 31.9 25.3 37.9



#3

Chloromethane

Concen: 2.292 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV019159.D

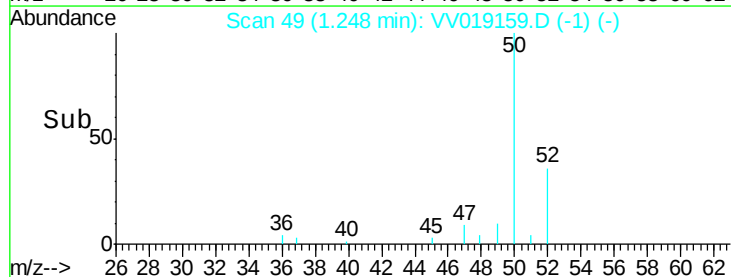
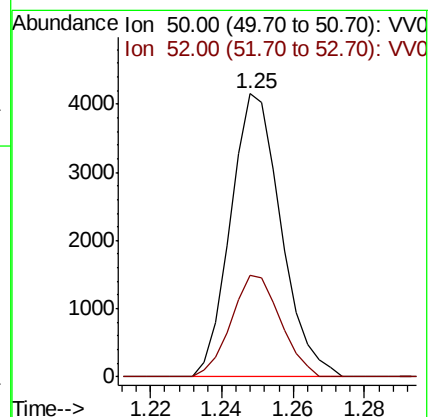
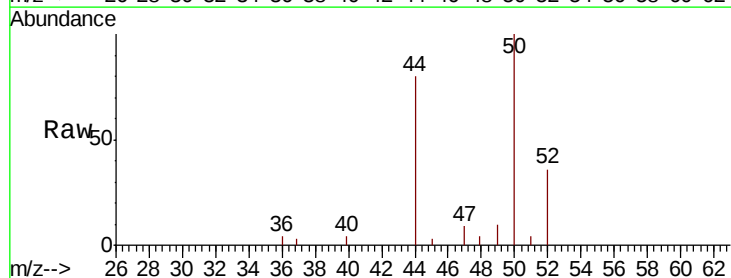
Acq: 29 Oct 2020 20:48

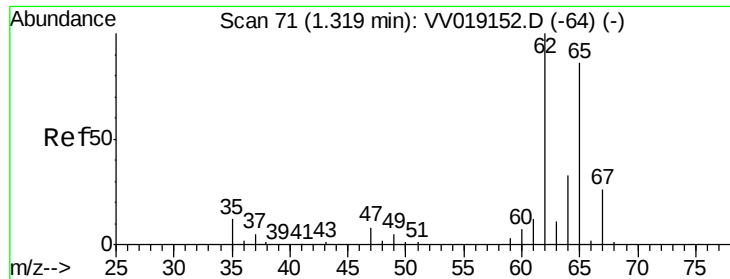
Tgt Ion: 50 Resp: 4068

Ion Ratio Lower Upper

50 100

52 35.9 22.1 41.1





#5

Vinyl chloride

Concen: 2.403 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019159.D

Acq: 29 Oct 2020 20:48

Instrument :

MSVOA_V

ClientSampleId :

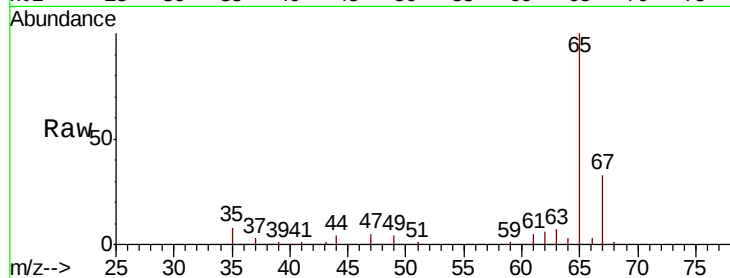
MDL05

Tot Ion: 62 Resp: 4368

Ion Ratio Lower Upper

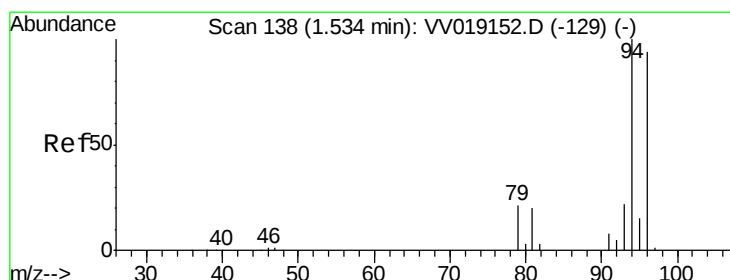
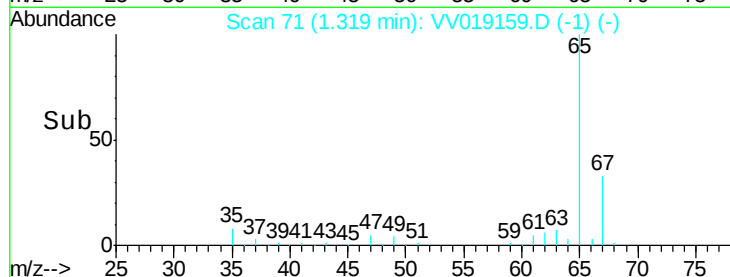
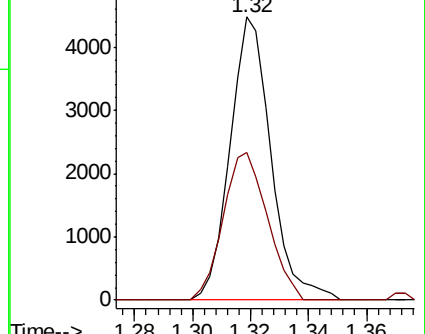
62 100

64 52.0 22.7 42.3#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.304 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV019159.D

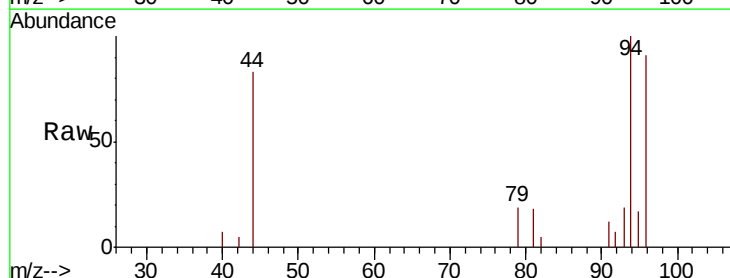
Acq: 29 Oct 2020 20:48

Tgt Ion: 94 Resp: 2805

Ion Ratio Lower Upper

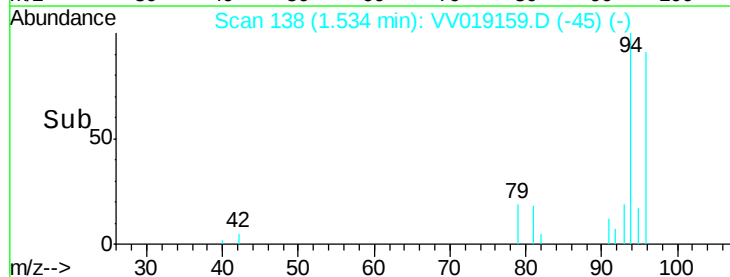
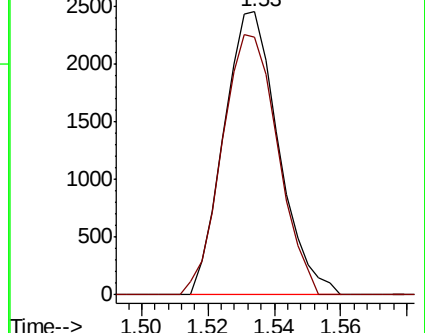
94 100

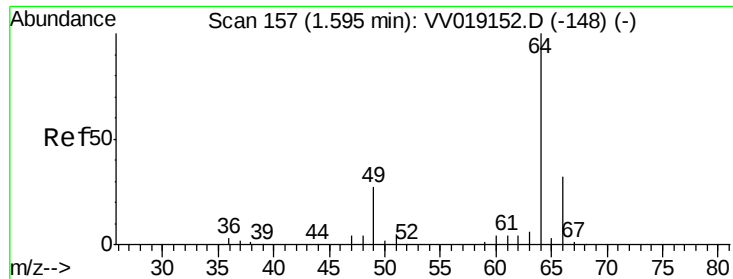
96 91.1 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

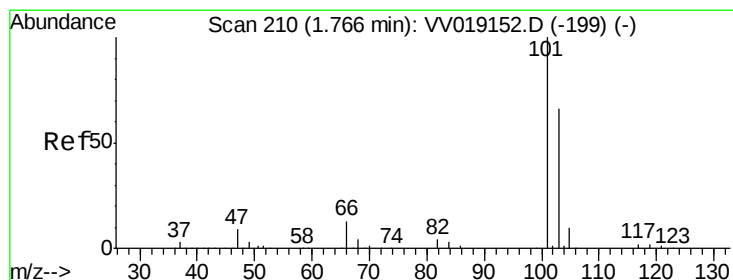
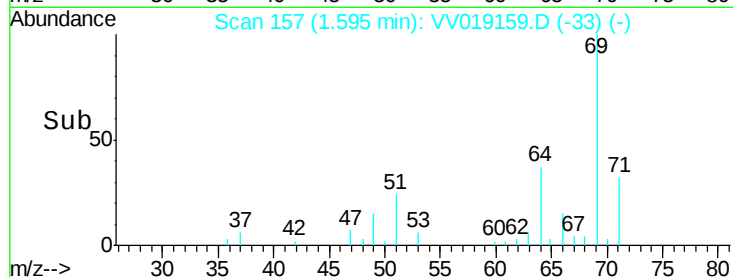
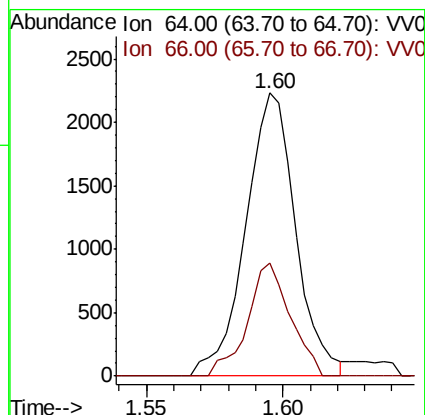
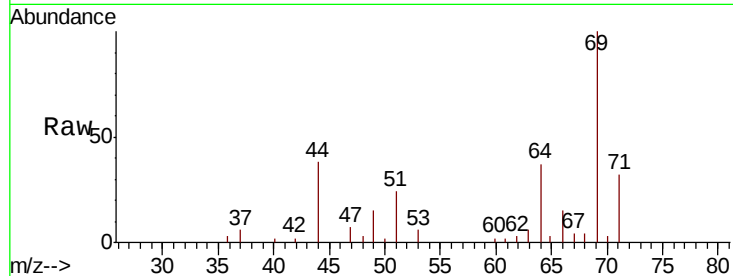




#8
Chloroethane
Concen: 2.502 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV019159.D
Acq: 29 Oct 2020 20:48

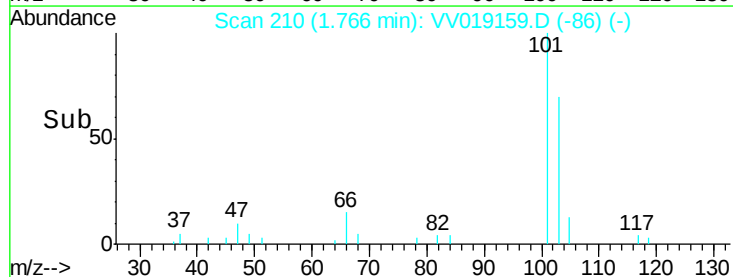
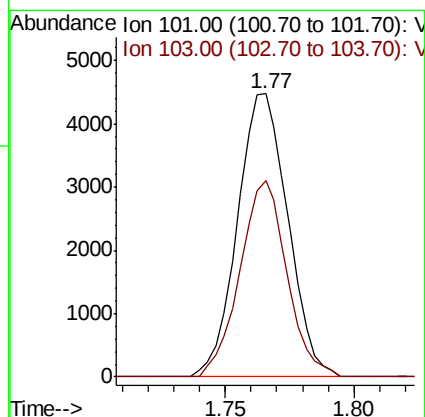
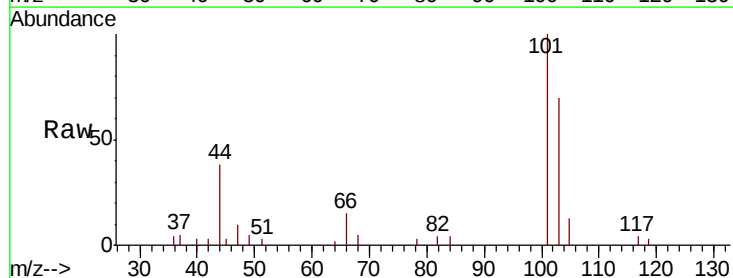
Instrument :
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ClientSampleId :
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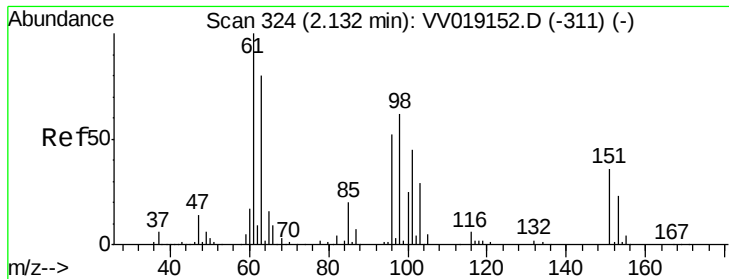
Tot Ion: 64 Resp: 2827
Ion Ratio Lower Upper
64 100
66 39.8 22.0 40.8



#9
Trichlorofluoromethane
Concen: 2.016 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV019159.D
Acq: 29 Oct 2020 20:48

Tgt Ion: 101 Resp: 6106
Ion Ratio Lower Upper
101 100
103 64.7 51.9 77.9





#10

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

Concen: 2.374 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019159.D

Acq: 29 Oct 2020 20:48

Instrument :

MSVOA_V

ClientSampleId :

MDL05

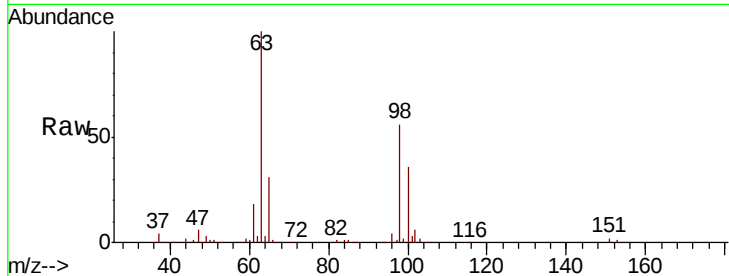
Tot Ion:101 Resp: 3461

Ion Ratio Lower Upper

101 100

85 40.2 36.1 54.1

151 63.9 65.0 97.4#



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

2.13

2000

1500

1000

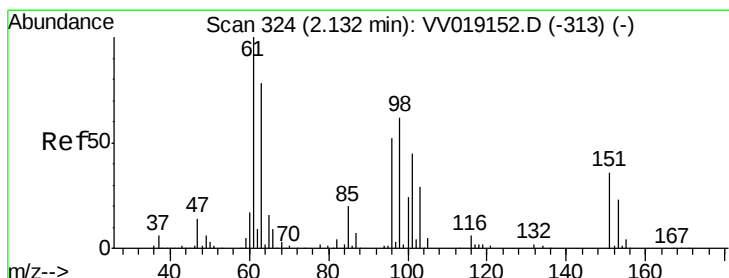
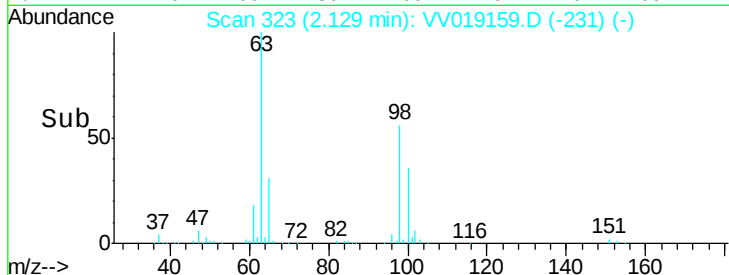
500

0

2.10

2.15

Time-->



#12

1,1-Dichloroethene

Concen: 2.849 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019159.D

Acq: 29 Oct 2020 20:48

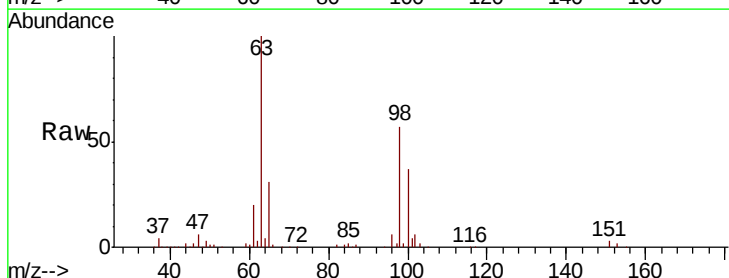
Tgt Ion: 96 Resp: 4067

Ion Ratio Lower Upper

96 100

61 366.7 132.6 246.2#

63 1800.5 108.4 201.4#



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

120000

100000

80000

60000

40000

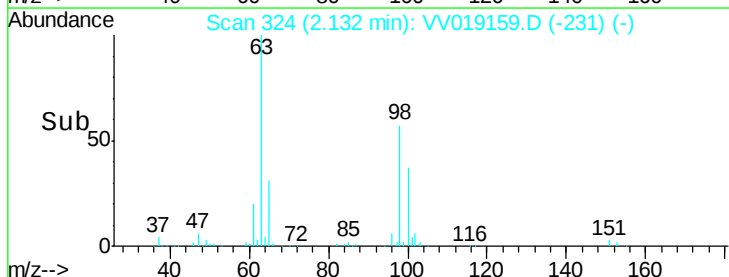
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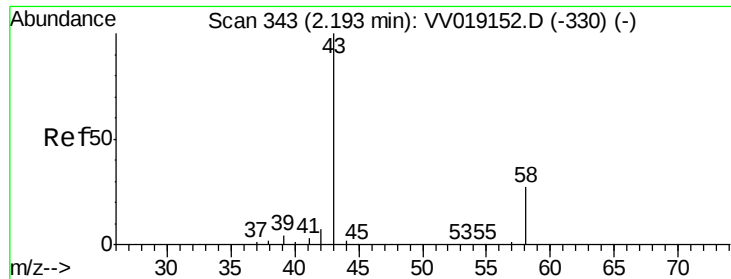
0

2.10

2.15

Time-->





#13

Acetone

Concen: 4.324 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV019159.D

Acq: 29 Oct 2020 20:48

Instrument :

MSVOA_V

ClientSampled :

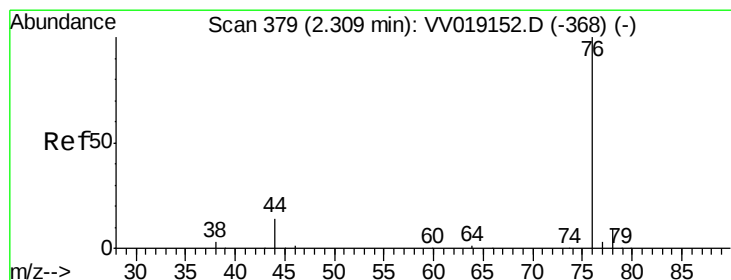
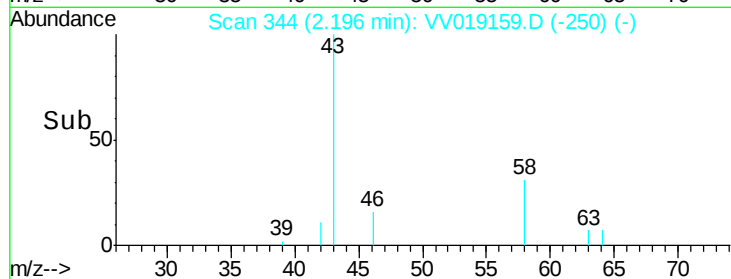
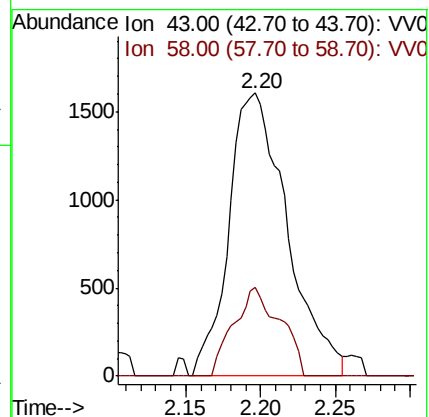
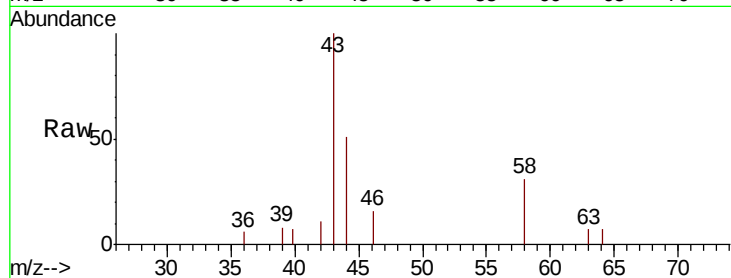
MDL05

Tot Ion: 43 Resp: 4353

Ion Ratio Lower Upper

43 100

58 24.9 0.0 59.4



#14

Carbon disulfide

Concen: 2.076 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV019159.D

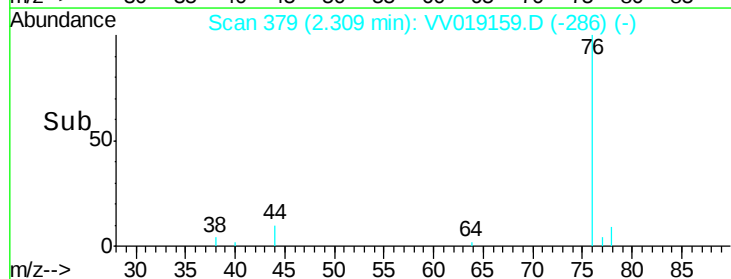
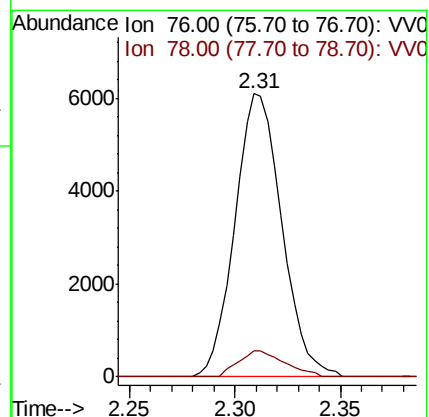
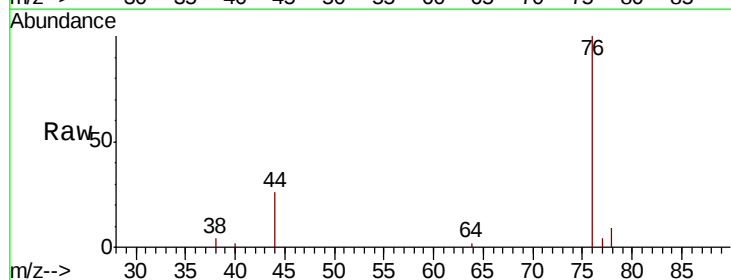
Acq: 29 Oct 2020 20:48

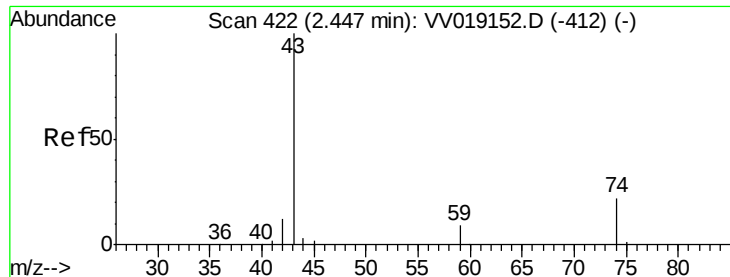
Tgt Ion: 76 Resp: 9421

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

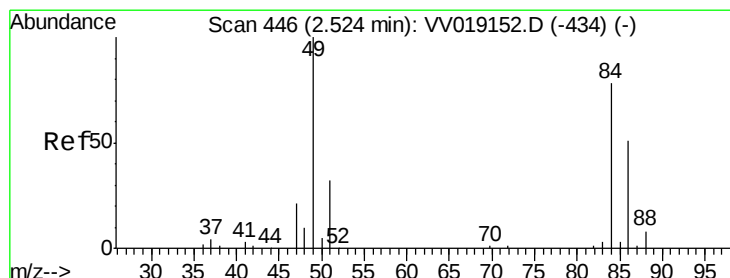
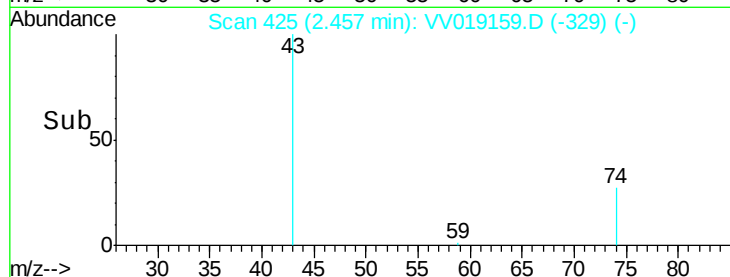
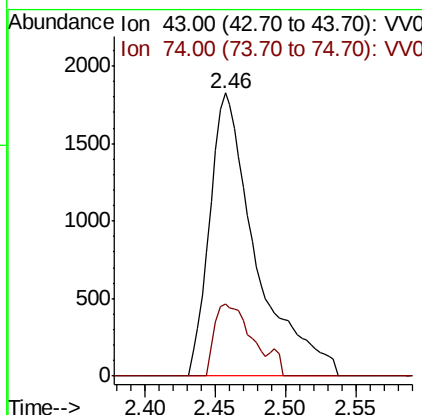
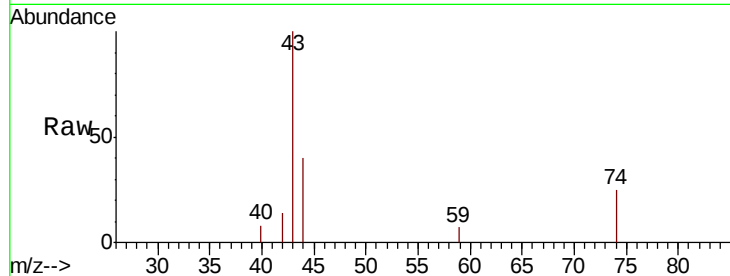




#15
Methvl Acetate
Concen: 2.559 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.01 min
Lab File: VV019159.D
Acq: 29 Oct 2020 20:48

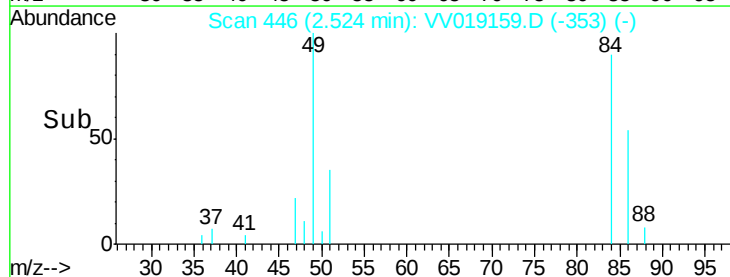
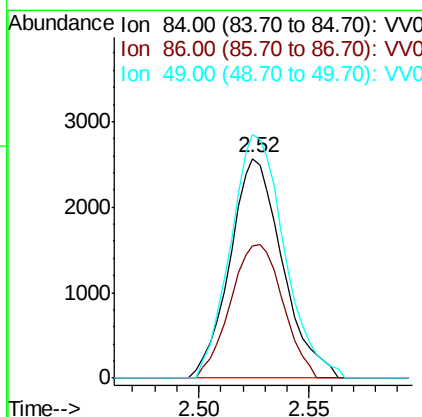
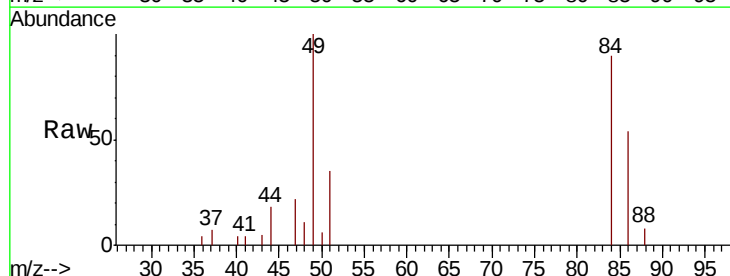
Instrument :
MSVOA_V
ClientSampled :
MDL05

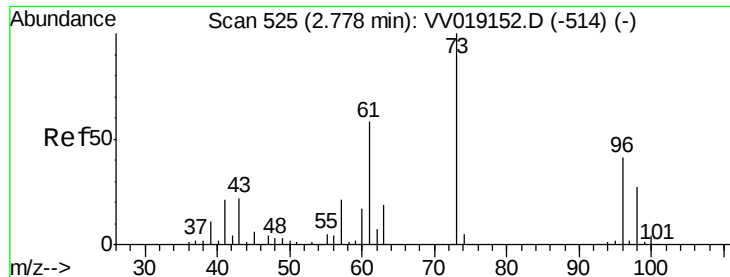
Tot Ion: 43 Resp: 4152
Ion Ratio Lower Upper
43 100
74 10.9 18.4 27.6#



#16
Methylene chloride
Concen: 2.618 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV019159.D
Acq: 29 Oct 2020 20:48

Tgt Ion: 84 Resp: 4244
Ion Ratio Lower Upper
84 100
86 60.2 46.0 85.4
49 111.0 87.8 163.2





#17

trans-1,2-Dichloroethene

Concen: 2.127 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV019159.D

Acq: 29 Oct 2020 20:48

Instrument :

MSVOA_V

ClientSampleId :

MDL05

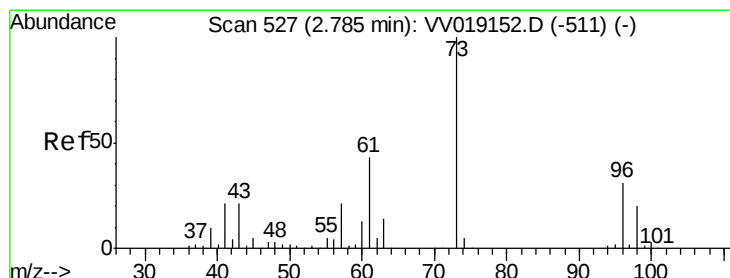
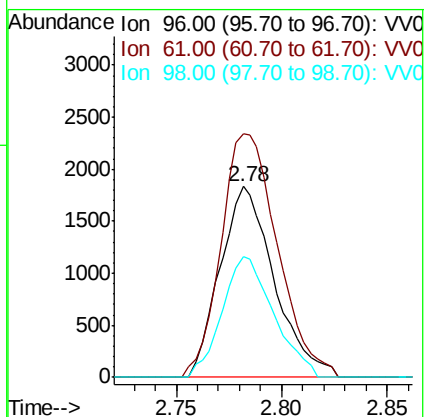
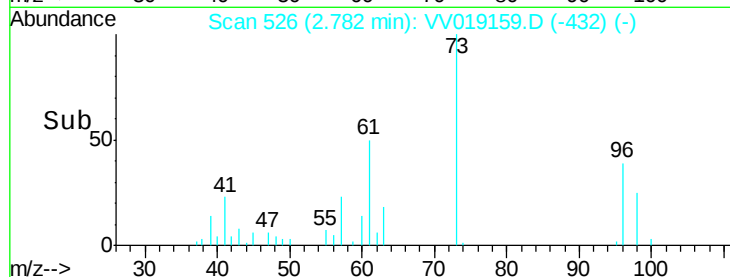
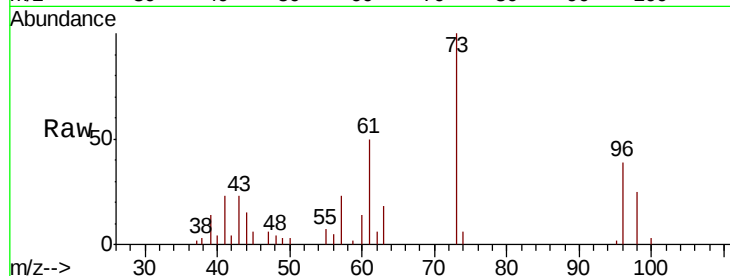
Tot Ion: 96 Resp: 3261

Ion Ratio Lower Upper

96 100

61 127.5 102.4 190.2

98 63.0 45.9 85.3



#18

Methyl tert-butyl Ether

Concen: 2.134 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV019159.D

Acq: 29 Oct 2020 20:48

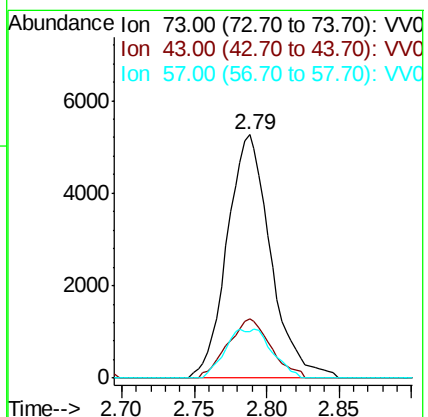
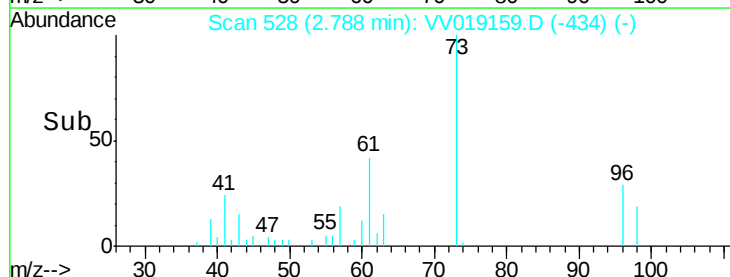
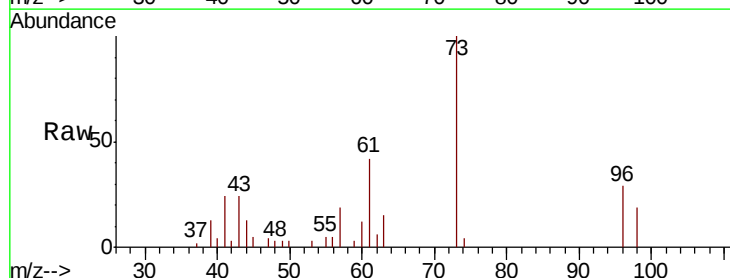
Tgt Ion: 73 Resp: 10959

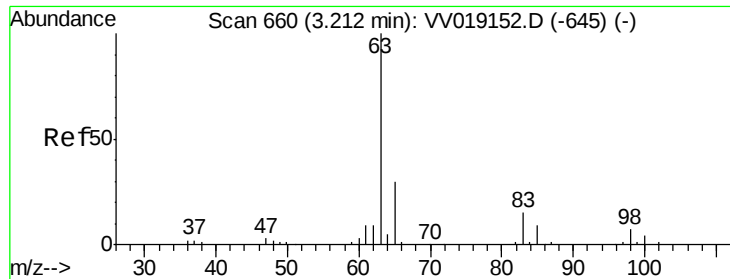
Ion Ratio Lower Upper

73 100

43 24.0 17.9 26.9

57 11.7 17.1 25.7#

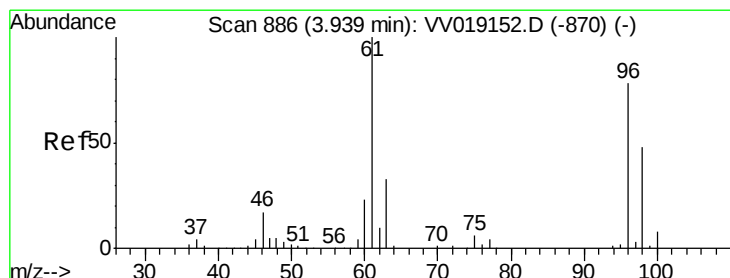
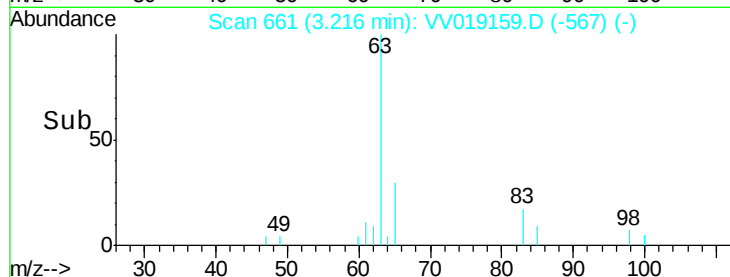
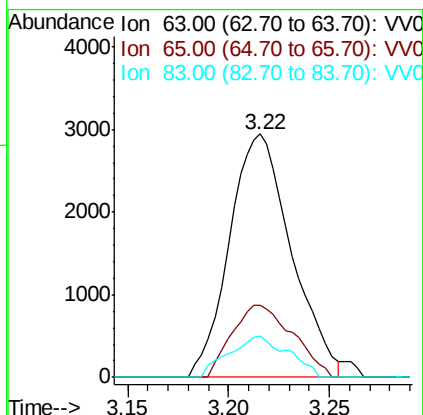
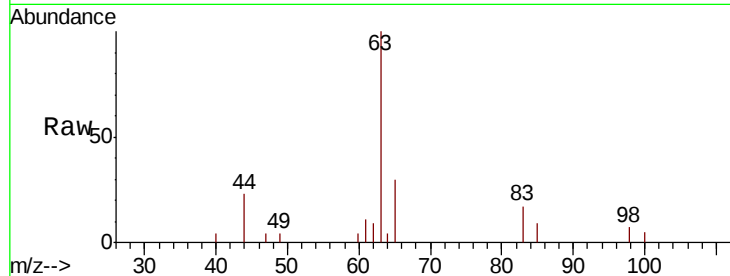




#19
 1,1-Dichloroethane
 Concen: 2.201 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: VV019159.D
 Acq: 29 Oct 2020 20:48

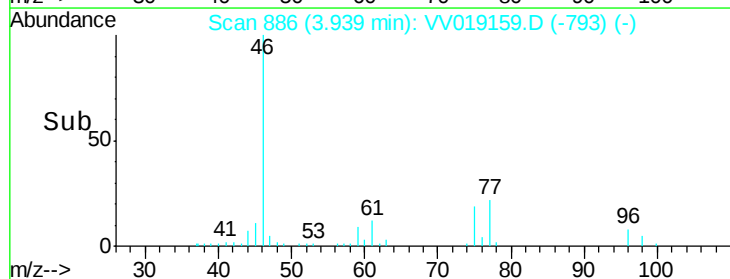
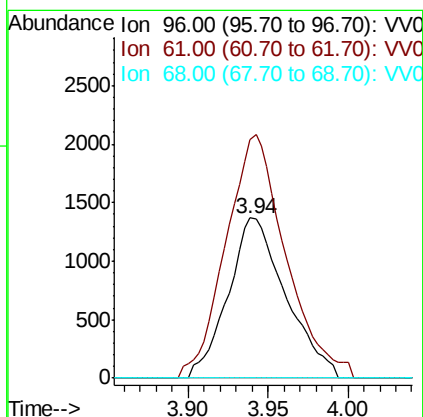
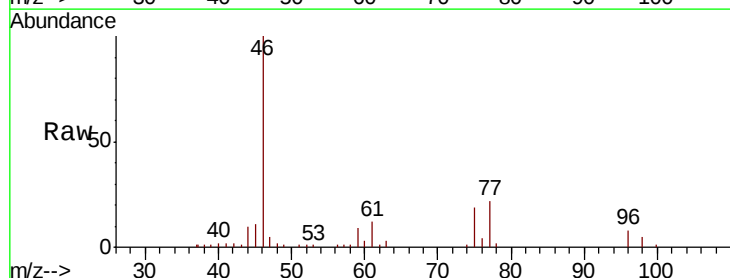
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

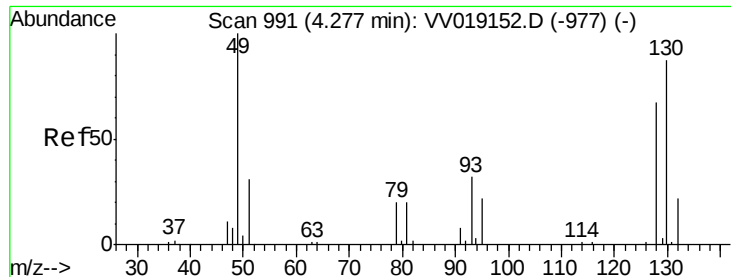
Tot Ion: 63 Resp: 6289
 Ion Ratio Lower Upper
 63 100
 65 29.5 22.0 40.8
 83 17.0 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 2.013 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV019159.D
 Acq: 29 Oct 2020 20:48

Tgt Ion: 96 Resp: 3387
 Ion Ratio Lower Upper
 96 100
 61 148.6 90.7 168.5
 68 0.0 0.0 0.0

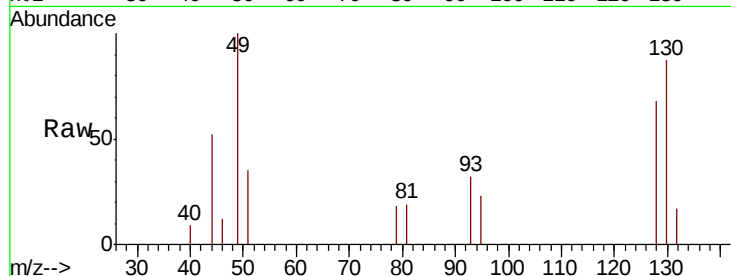




#23
 Bromochloromethane
 Concen: 1.994 ug/L
 RT: 4.28 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VV019159.D
 Acq: 29 Oct 2020 20:48

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion:	128	Resp:	1801
Ion	Ratio	Lower	Upper
128	100		
49	146.6	108.5	201.5
130	126.9	90.4	167.8
51	50.6	36.9	55.3

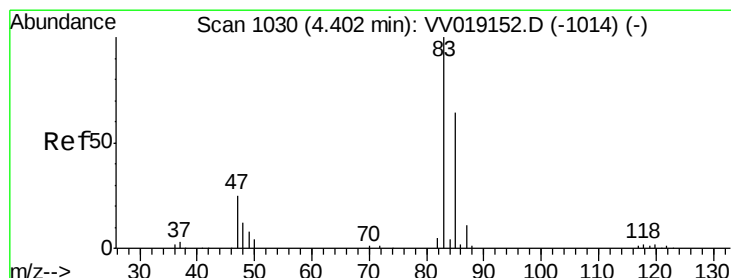
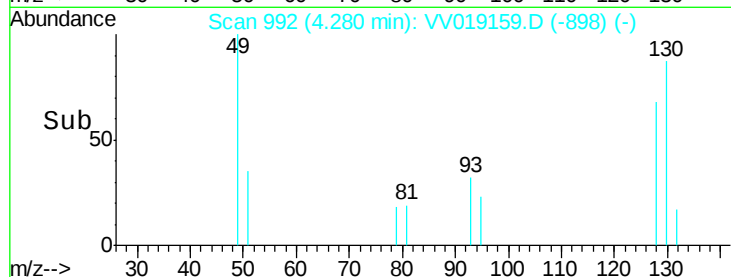
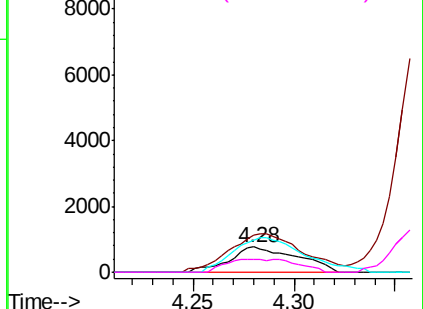


Abundance Ion 128.00 (127.70 to 128.70): VV019159.D (-992) (-)

Ion 49.00 (48.70 to 49.70): VV019159.D (-992) (-)

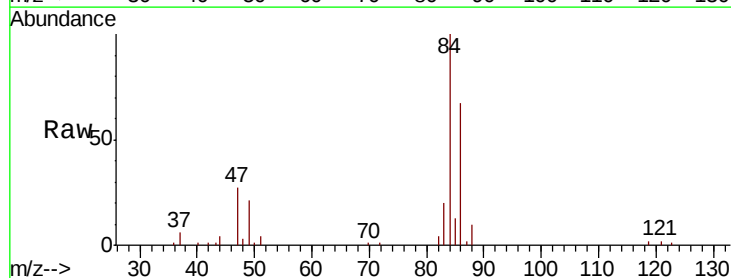
Ion 130.00 (129.70 to 130.70): VV019159.D (-992) (-)

Ion 51.00 (50.70 to 51.70): VV019159.D (-992) (-)



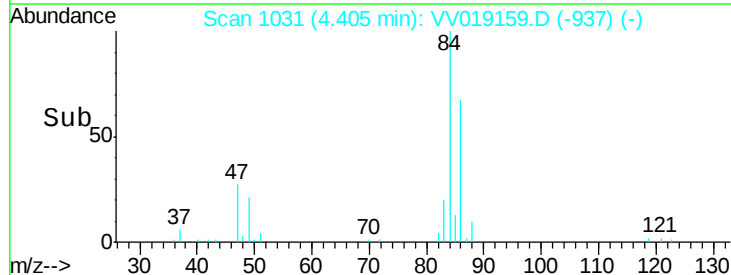
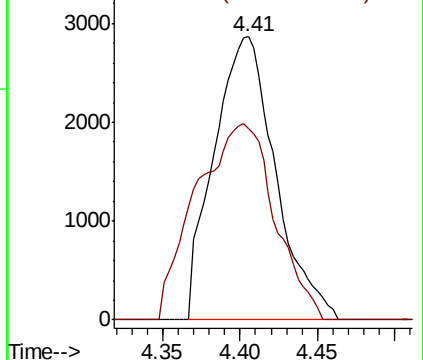
#25
 Chloroform
 Concen: 2.563 ug/L
 RT: 4.41 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VV019159.D
 Acq: 29 Oct 2020 20:48

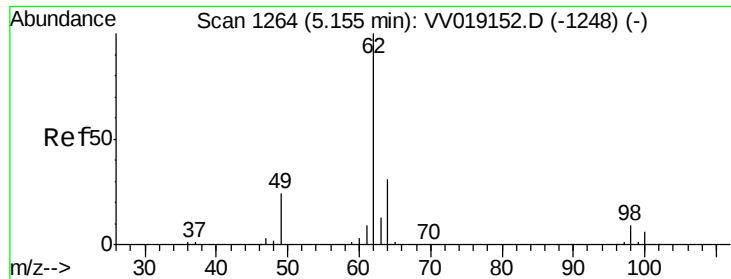
Tgt Ion:	83	Resp:	7913
Ion	Ratio	Lower	Upper
83	100		
85	67.6	45.1	83.9



Abundance Ion 83.00 (82.70 to 83.70): VV019159.D (-1031) (-)

Ion 85.00 (84.70 to 85.70): VV019159.D (-1031) (-)

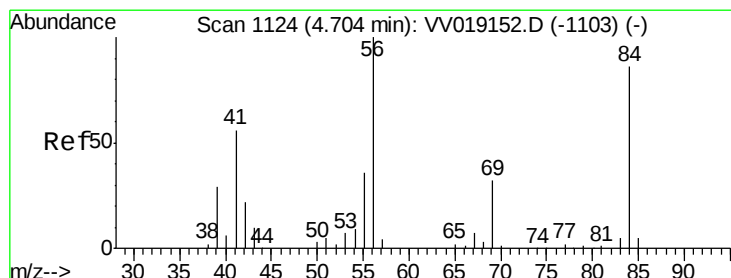
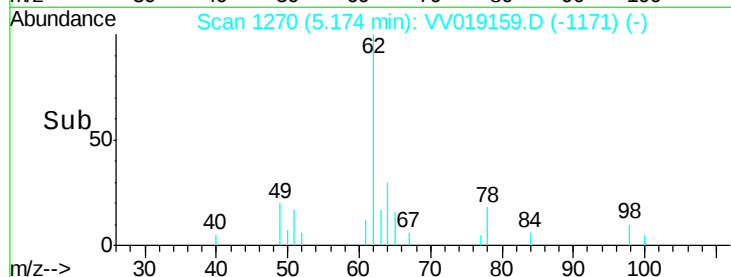
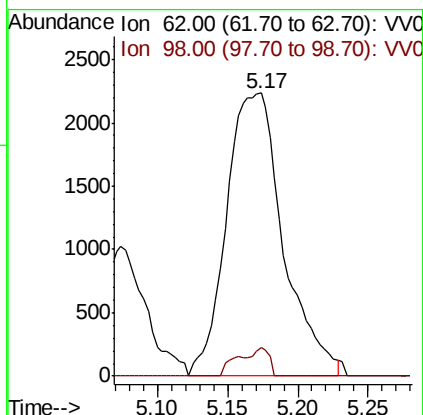
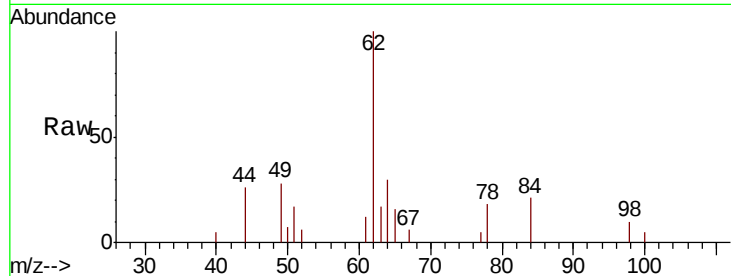




#27
 1,2-Dichloroethane
 Concen: 2.395 ug/L
 RT: 5.17 min Scan# 1270
 Delta R.T. 0.02 min
 Lab File: VV019159.D
 Acq: 29 Oct 2020 20:48

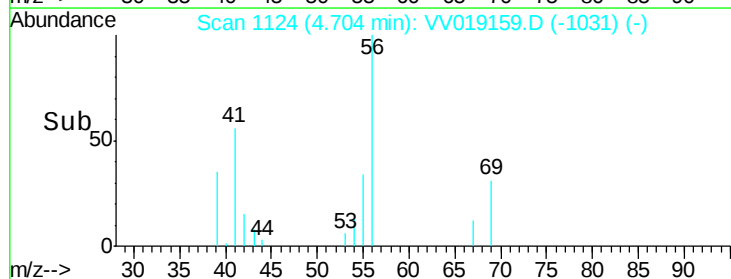
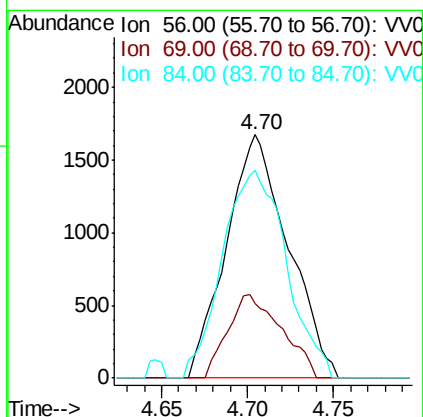
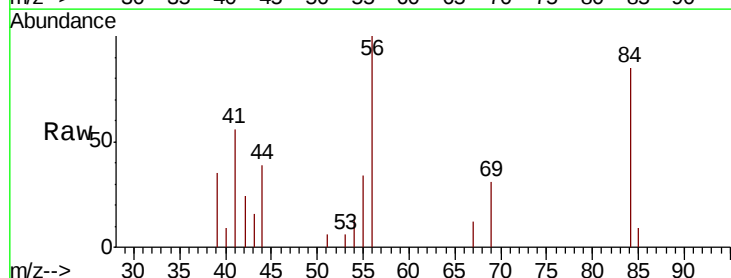
Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

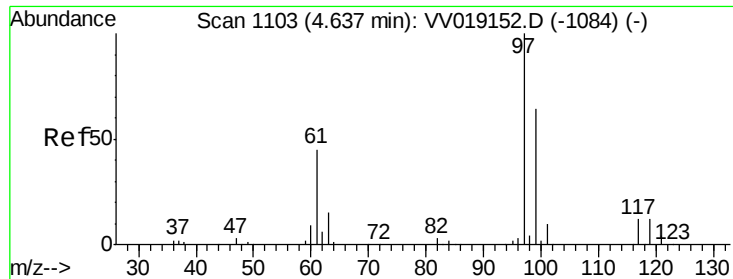
Tot Ion: 62 Resp: 6295
 Ion Ratio Lower Upper
 62 100
 98 10.1 6.8 10.2



#29
 Cyclohexane
 Concen: 1.762 ug/L
 RT: 4.70 min Scan# 1124
 Delta R.T. -0.00 min
 Lab File: VV019159.D
 Acq: 29 Oct 2020 20:48

Tgt Ion: 56 Resp: 4182
 Ion Ratio Lower Upper
 56 100
 69 29.8 25.0 37.4
 84 88.4 71.5 107.3

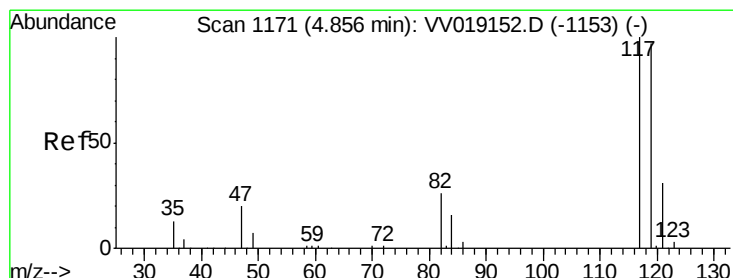
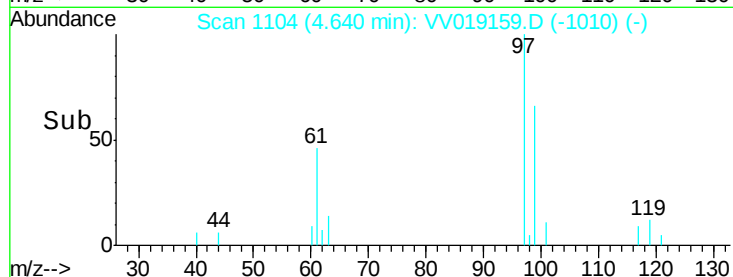
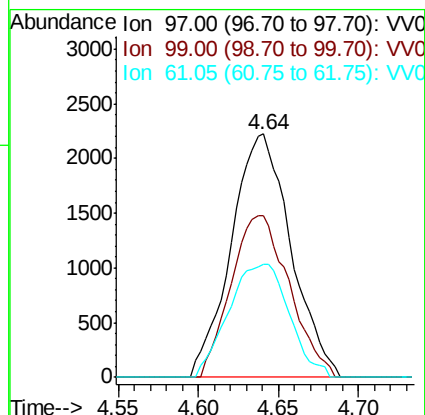
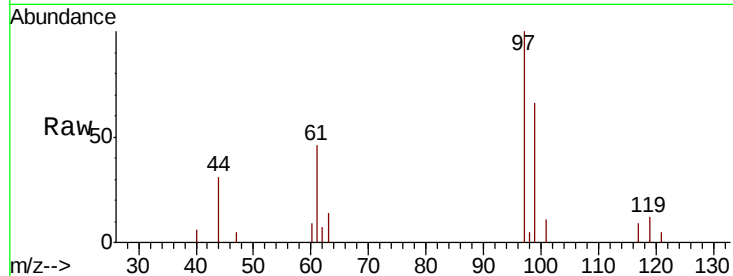




#30
 1,1,1-Trichloroethane
 Concen: 1.973 ug/L
 RT: 4.64 min Scan# 1104
 Delta R.T. 0.00 min
 Lab File: VV019159.D
 Acq: 29 Oct 2020 20:48

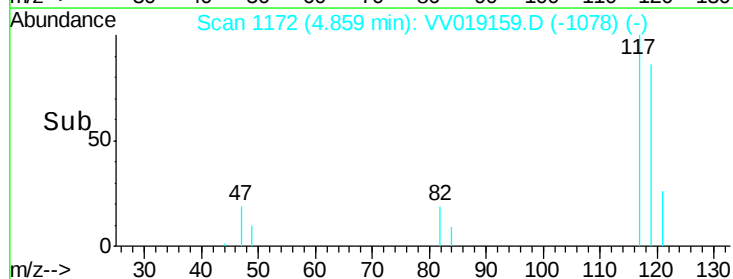
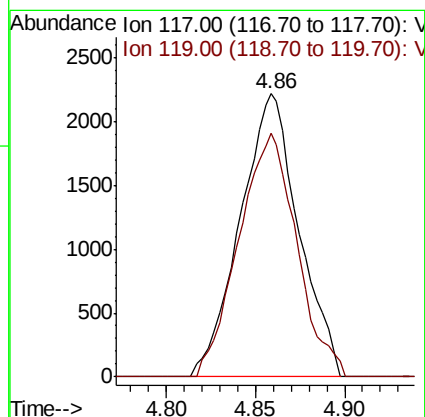
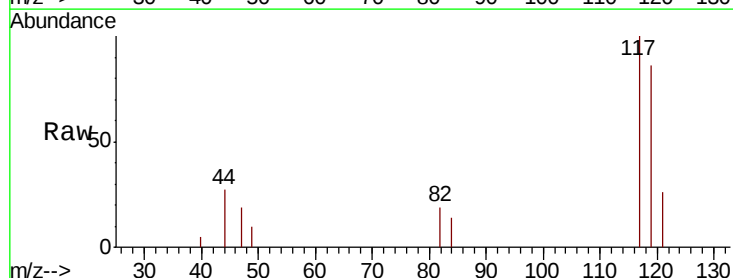
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

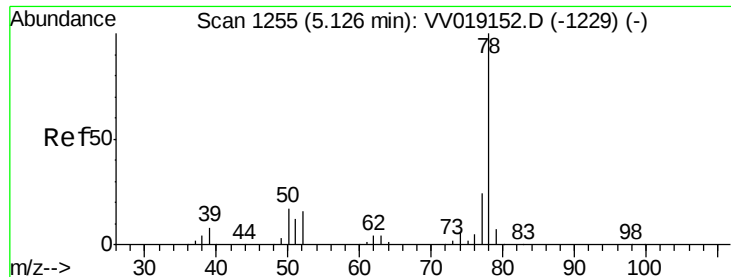
Tot Ion: 97 Resp: 5685
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.3 76.9
 61 46.9 34.6 52.0



#31
 Carbon tetrachloride
 Concen: 1.986 ug/L
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VV019159.D
 Acq: 29 Oct 2020 20:48

Tgt Ion: 117 Resp: 5075
 Ion Ratio Lower Upper
 117 100
 119 85.2 77.2 115.8





#33

Benzene

Concen: 2.023 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VV019159.D

Acq: 29 Oct 2020 20:48

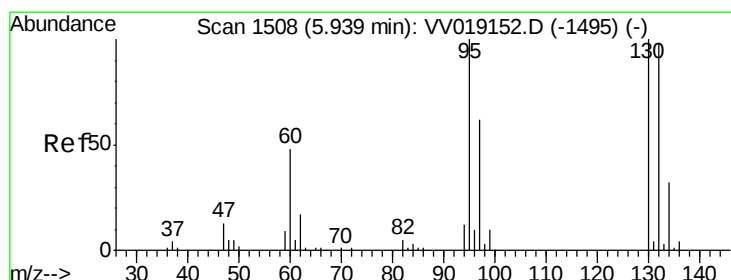
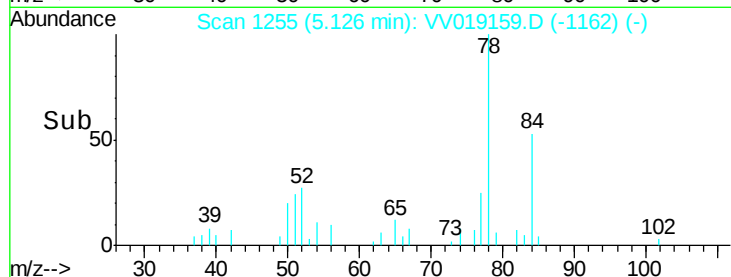
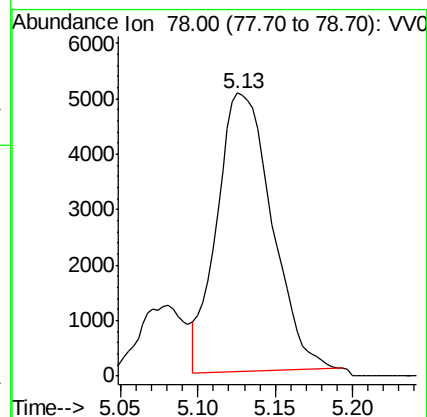
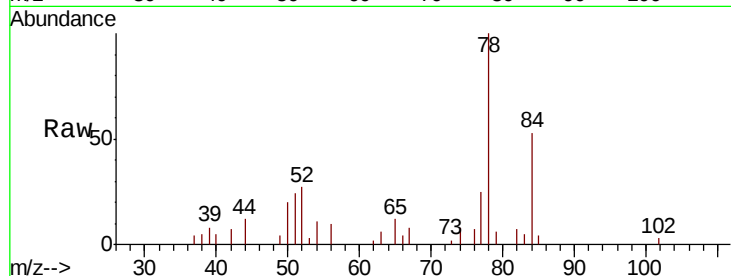
Instrument :

MSVOA_V

ClientSampled :

MDL05

Tgt Ion: 78 Resp: 12403



#34

Trichloroethene

Concen: 1.971 ug/L

RT: 5.95 min Scan# 1510

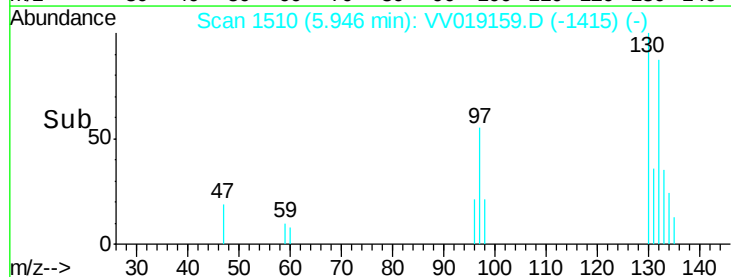
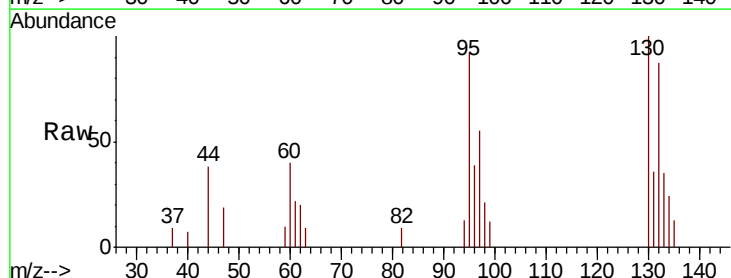
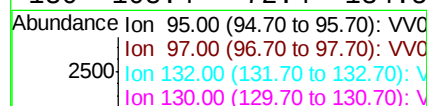
Delta R.T. 0.01 min

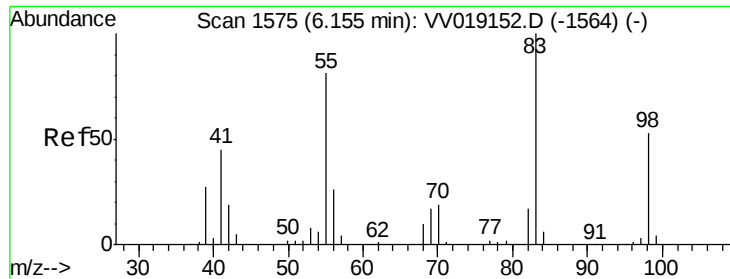
Lab File: VV019159.D

Acq: 29 Oct 2020 20:48

Tgt Ion: 95 Resp: 3309

Ion	Ratio	Lower	Upper
95	100		
97	59.8	43.4	80.6
132	94.1	69.7	129.4
130	108.4	72.4	134.5

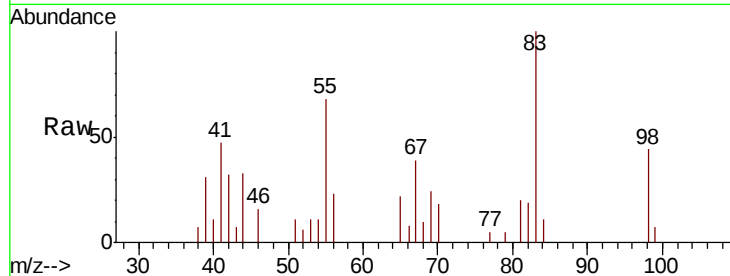




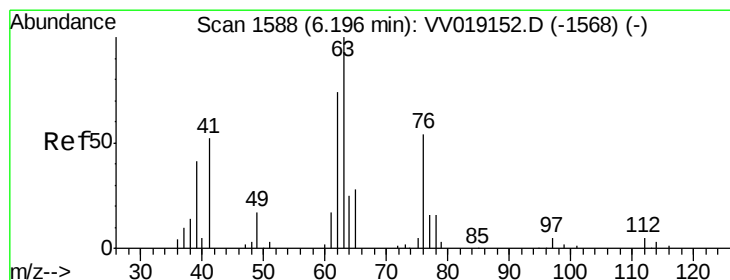
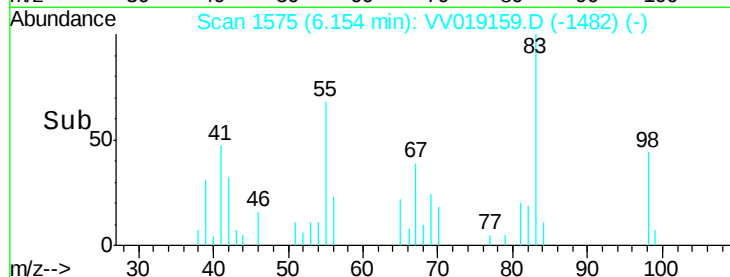
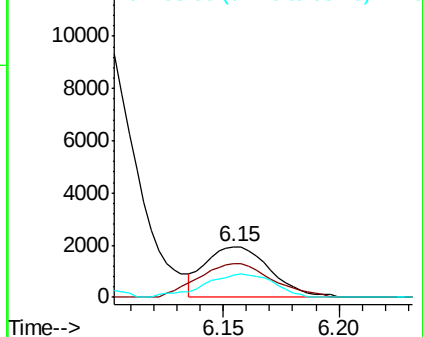
#35
Methylcyclohexane
Concen: 1.666 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VV019159.D
Acq: 29 Oct 2020 20:48

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion: 83 Resp: 3777
Ion Ratio Lower Upper
83 100
55 76.1 62.2 93.4
98 49.0 39.4 59.2

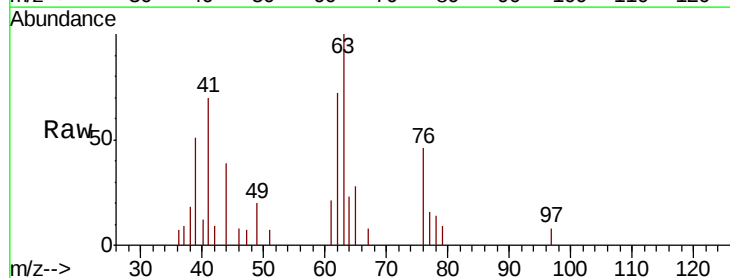


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

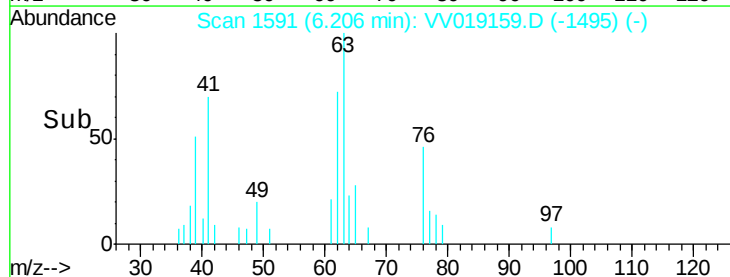
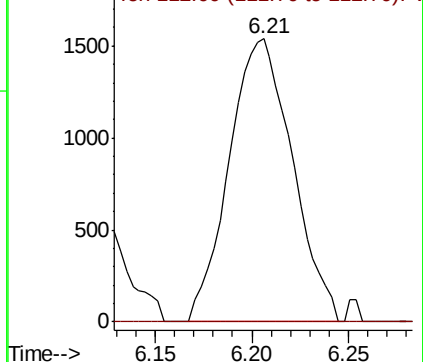


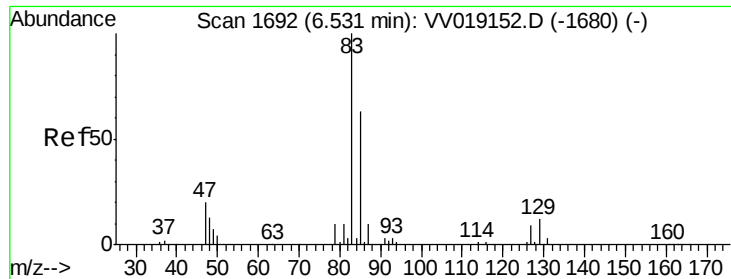
#37
1,2-Dichloropropane
Concen: 2.293 ug/L
RT: 6.21 min Scan# 1591
Delta R.T. 0.01 min
Lab File: VV019159.D
Acq: 29 Oct 2020 20:48

Tgt Ion: 63 Resp: 3490
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.8#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V

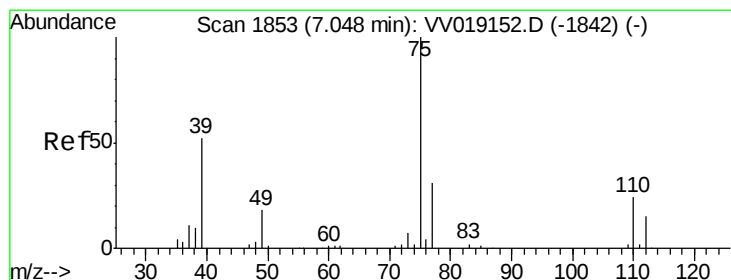
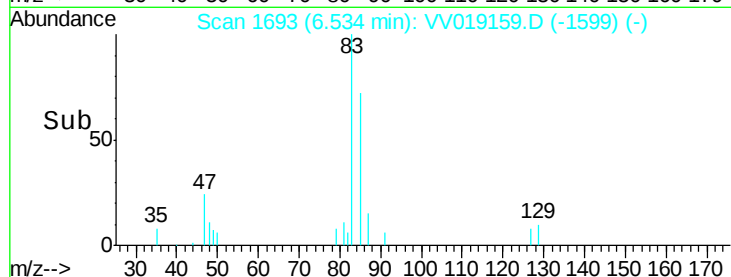
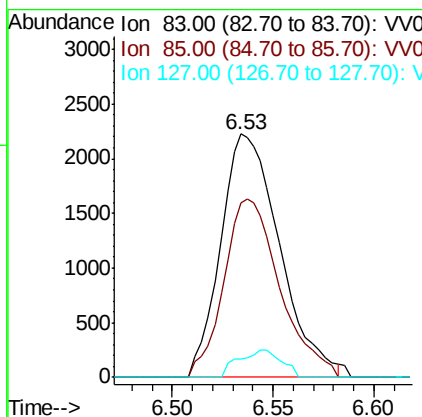
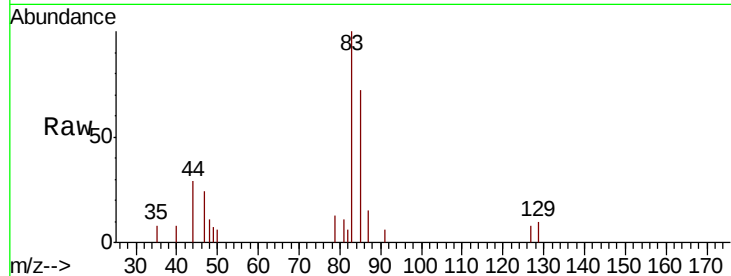




#38
 Bromodichloromethane
 Concen: 2.000 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV019159.D
 Acq: 29 Oct 2020 20:48

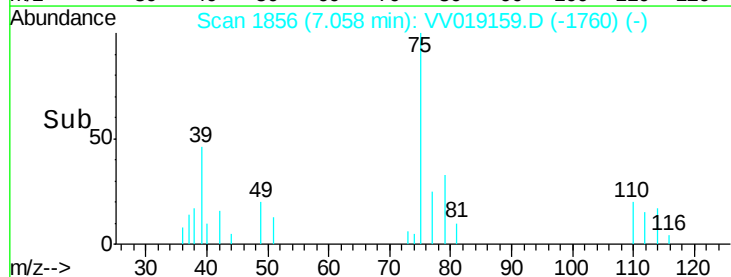
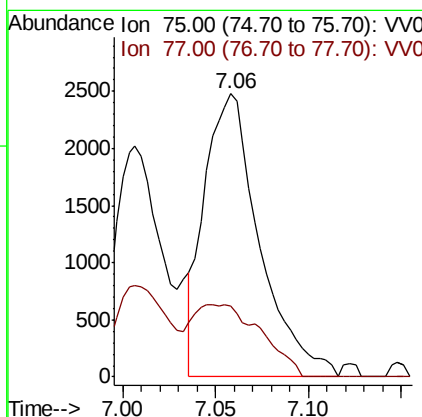
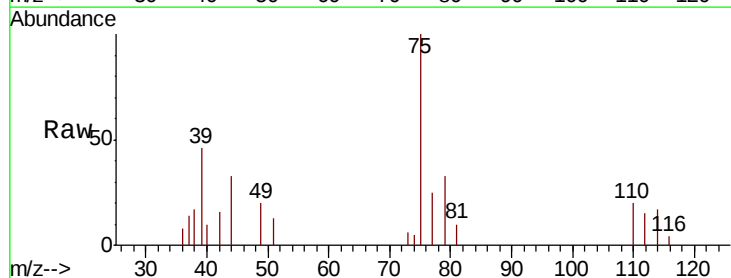
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

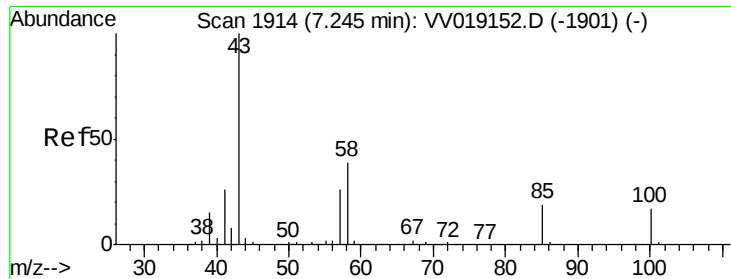
Tot Ion: 83 Resp: 4529
 Ion Ratio Lower Upper
 83 100
 85 71.5 45.9 85.3
 127 7.6 6.9 10.3



#39
 cis-1,3-Dichloropropene
 Concen: 2.032 ug/L
 RT: 7.06 min Scan# 1856
 Delta R.T. 0.01 min
 Lab File: VV019159.D
 Acq: 29 Oct 2020 20:48

Tgt Ion: 75 Resp: 5110
 Ion Ratio Lower Upper
 75 100
 77 25.1 22.7 42.1

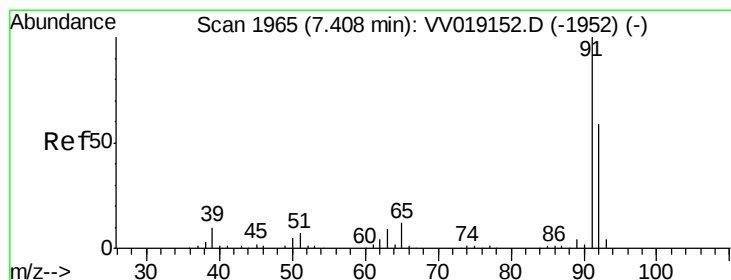
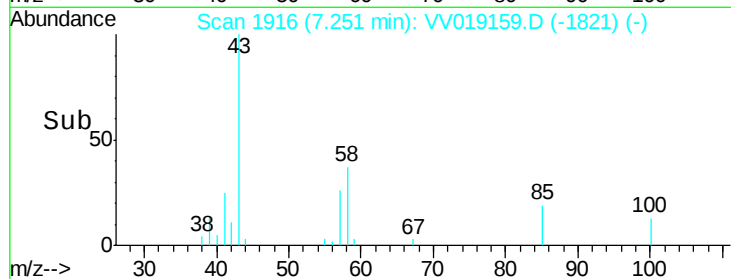
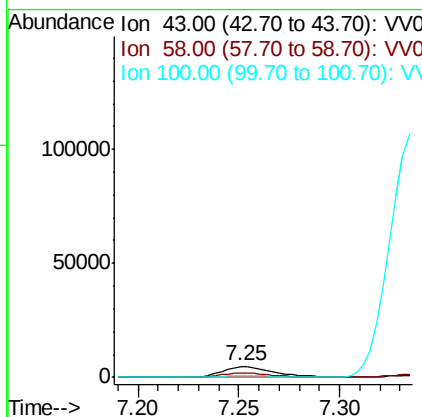
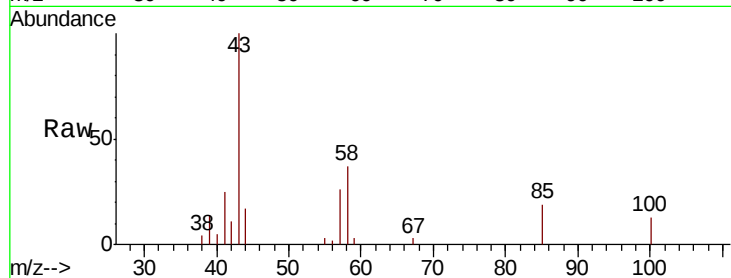




#40
4-Methyl-2-pentanone
Concen: 4.015 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. 0.01 min
Lab File: VV019159.D
Acq: 29 Oct 2020 20:48

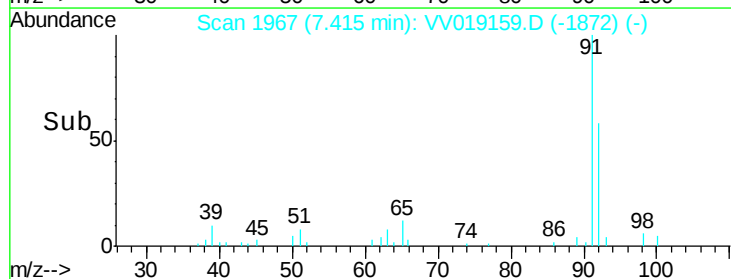
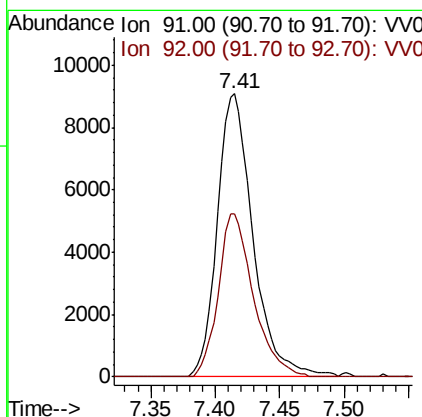
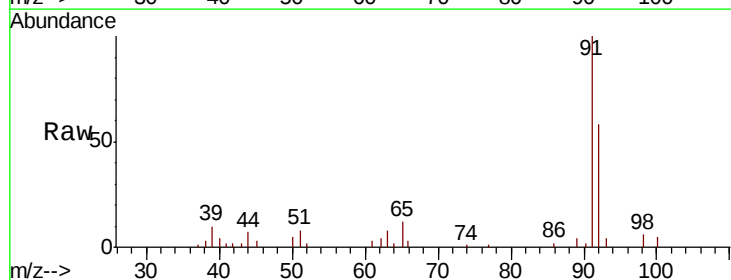
Instrument :
MSVOA_V
ClientSampleId :
MDL05

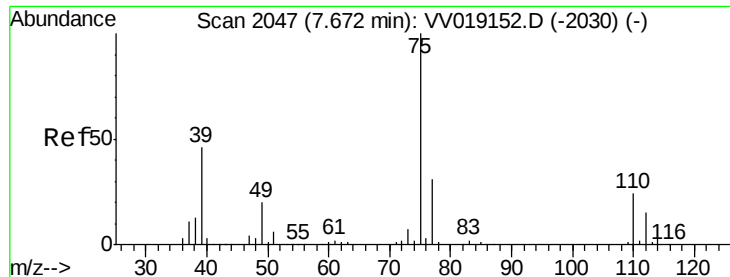
Tot Ion: 43 Resp: 8431
Ion Ratio Lower Upper
43 100
58 38.3 31.0 46.4
100 16.3 13.2 19.8



#42
Toluene
Concen: 2.605 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VV019159.D
Acq: 29 Oct 2020 20:48

Tgt Ion: 91 Resp: 17508
Ion Ratio Lower Upper
91 100
92 57.7 41.5 77.1

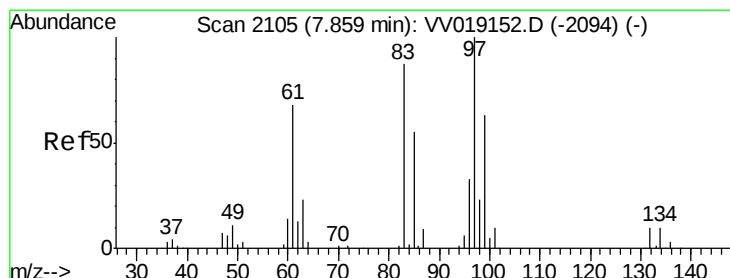
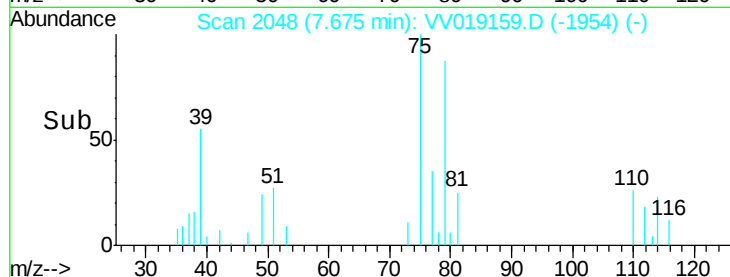
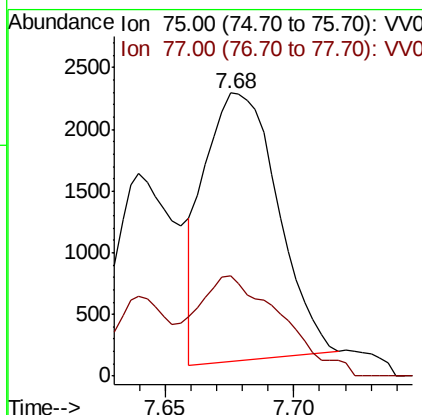
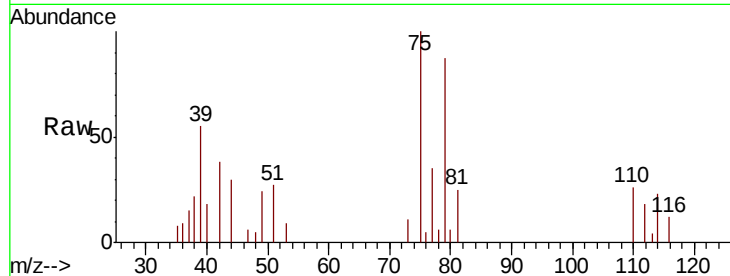




#44
trans-1,3-Dichloropropene
Concen: 1.637 ug/L
RT: 7.68 min Scan# 2048
Delta R.T. 0.00 min
Lab File: VV019159.D
Acq: 29 Oct 2020 20:48

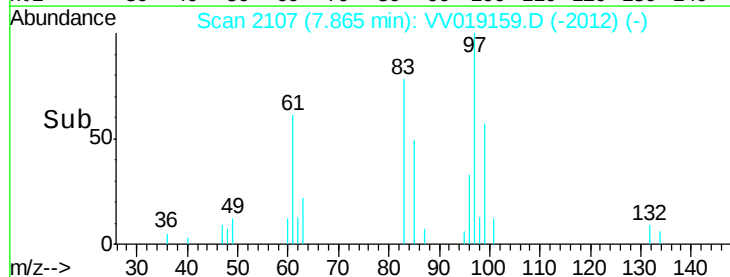
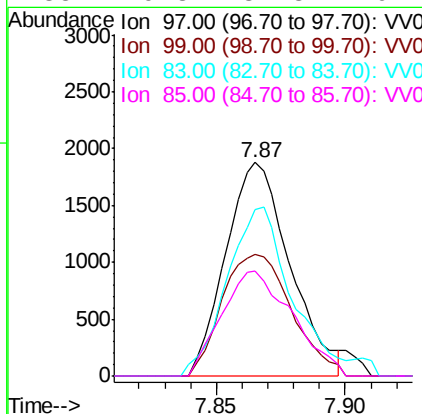
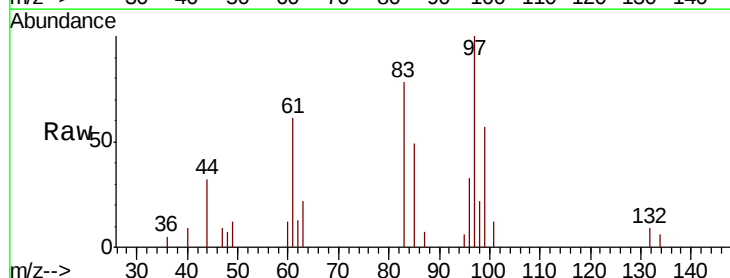
Instrument :
MSVOA_V
ClientSampled :
MDL05

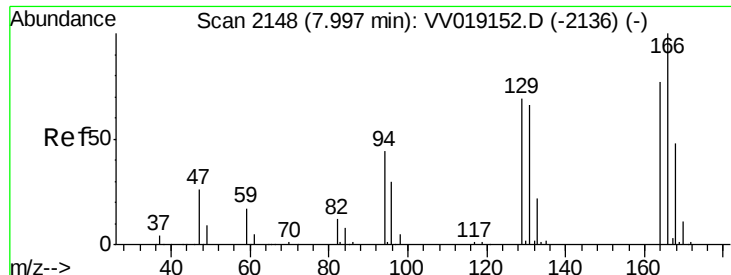
Tot Ion: 75 Resp: 4282
Ion Ratio Lower Upper
75 100
77 35.4 21.8 40.4



#45
1,1,2-Trichloroethane
Concen: 2.136 ug/L
RT: 7.87 min Scan# 2107
Delta R.T. 0.01 min
Lab File: VV019159.D
Acq: 29 Oct 2020 20:48

Tgt Ion: 97 Resp: 3261
Ion Ratio Lower Upper
97 100
99 56.7 43.1 80.1
83 78.0 58.3 108.3
85 49.3 37.8 70.2





#46

Tetrachloroethene

Concen: 1.789 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV019159.D

Acq: 29 Oct 2020 20:48

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion:164 Resp: 2565

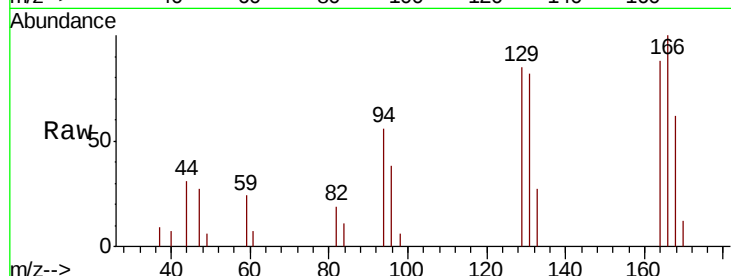
Ion Ratio Lower Upper

164 100

129 97.0 63.2 117.4

131 92.9 60.3 112.1

166 113.5 88.3 163.9

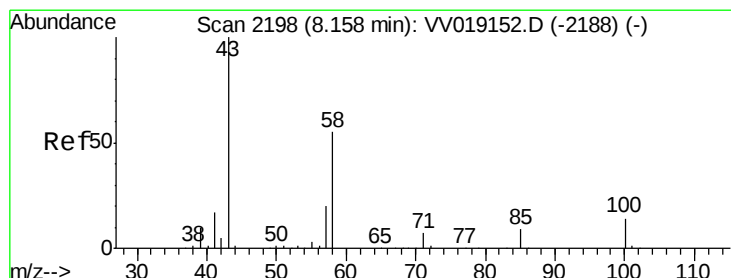
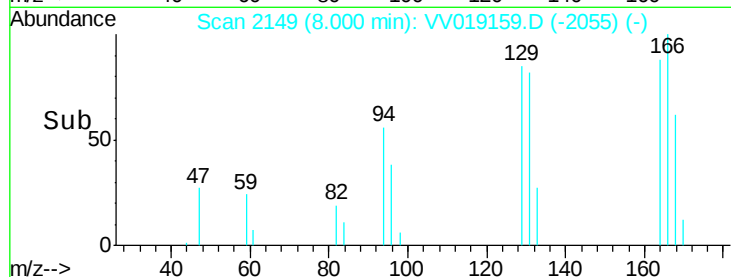
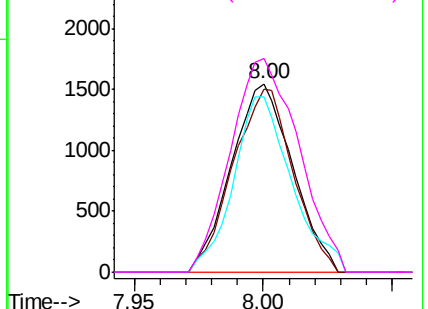


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 5.442 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VV019159.D

Acq: 29 Oct 2020 20:48

Tgt Ion: 43 Resp: 9084

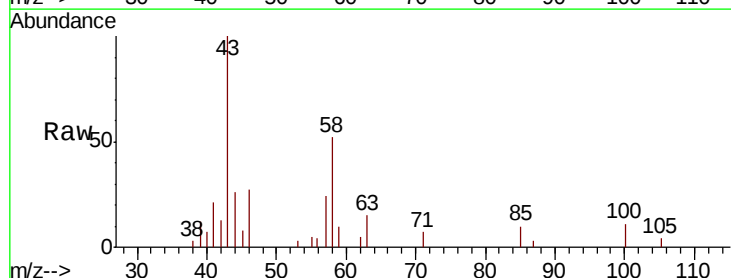
Ion Ratio Lower Upper

43 100

58 39.9 43.6 65.4#

57 21.0 16.0 24.0

100 6.0 10.3 15.5#

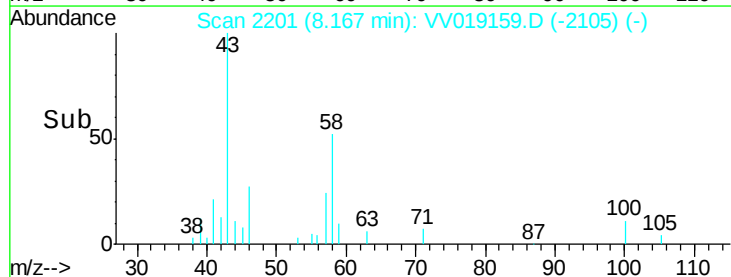
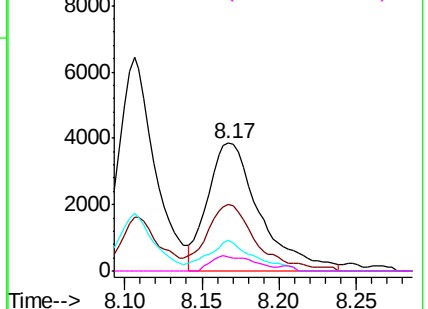


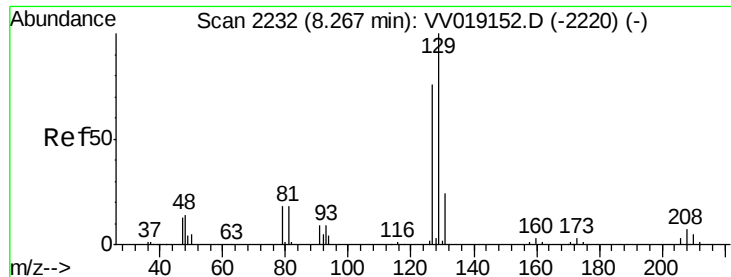
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 2.081 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. -0.00 min

Lab File: VV019159.D

Acq: 29 Oct 2020 20:48

Instrument :

MSVOA_V

ClientSampleId :

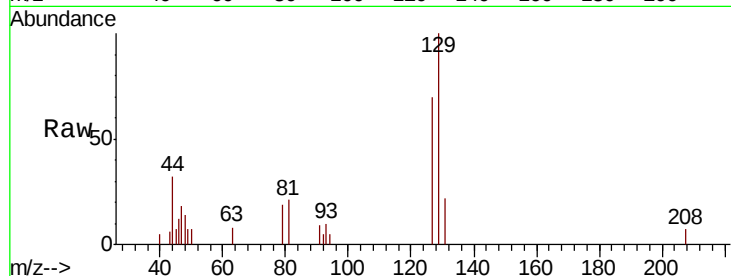
MDL05

Tot Ion:129 Resp: 3846

Ion Ratio Lower Upper

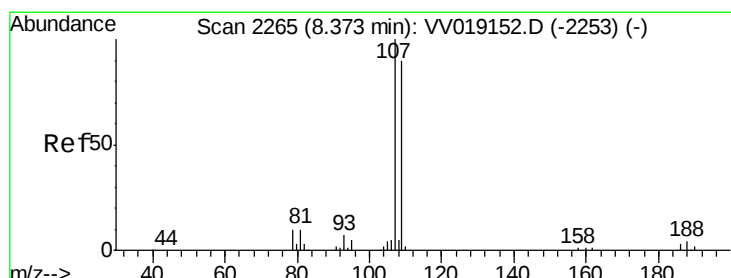
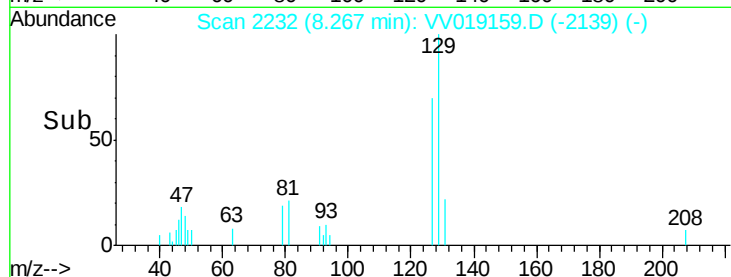
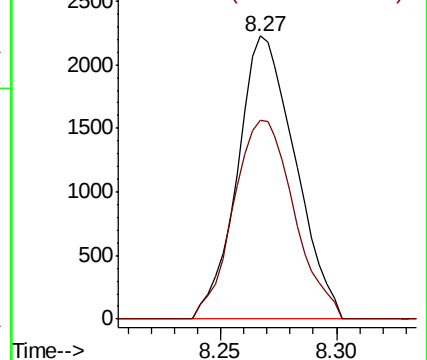
129 100

127 70.4 54.7 101.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 2.103 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV019159.D

Acq: 29 Oct 2020 20:48

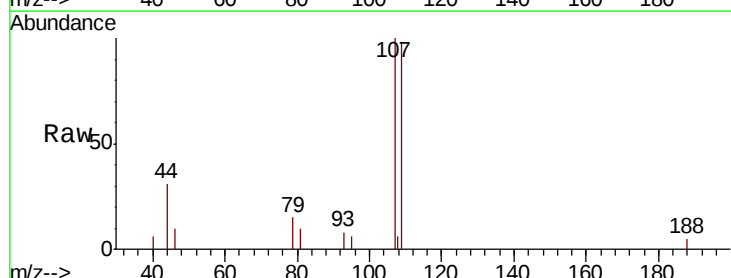
Tgt Ion:107 Resp: 3425

Ion Ratio Lower Upper

107 100

109 97.6 65.7 121.9

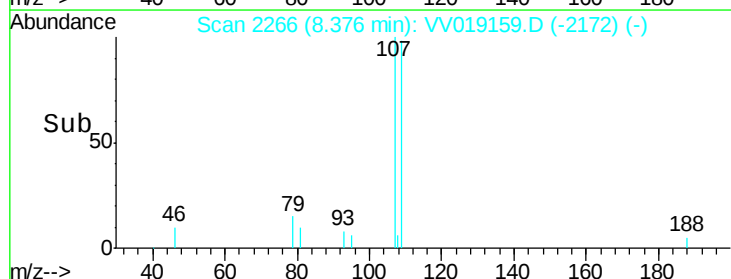
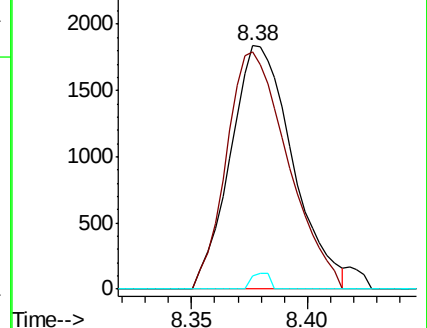
188 5.4 3.4 5.2#

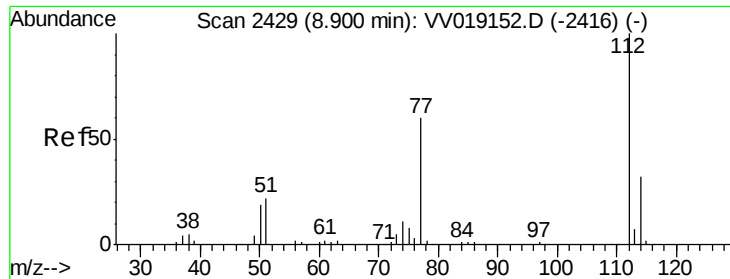


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 1.935 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV019159.D

Acq: 29 Oct 2020 20:48

Instrument :

MSVOA_V

ClientSampleId :

MDL05

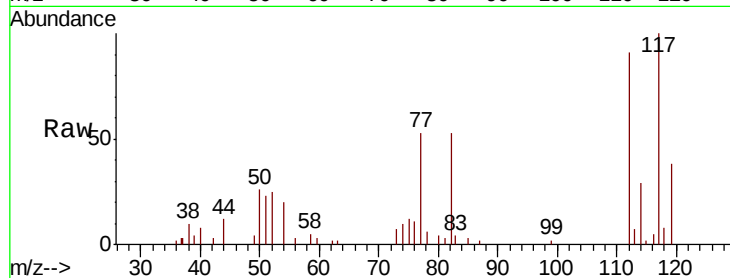
Tot Ion:112 Resp: 8525

Ion Ratio Lower Upper

112 100

114 31.5 22.3 41.5

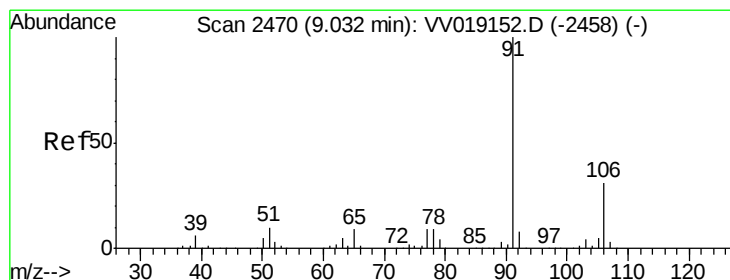
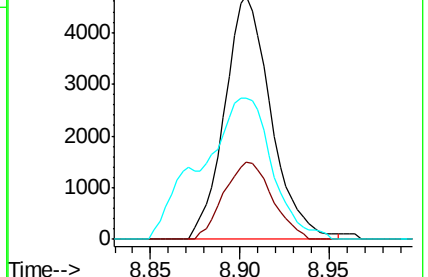
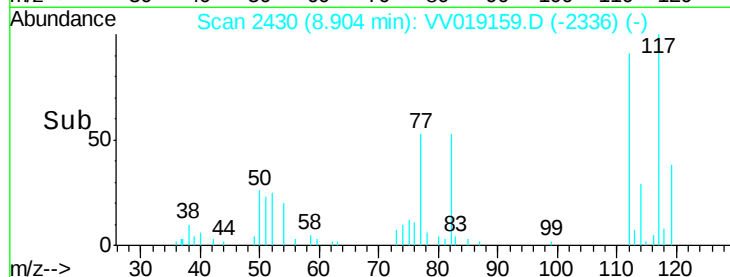
77 57.8 46.7 70.1



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 1.823 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV019159.D

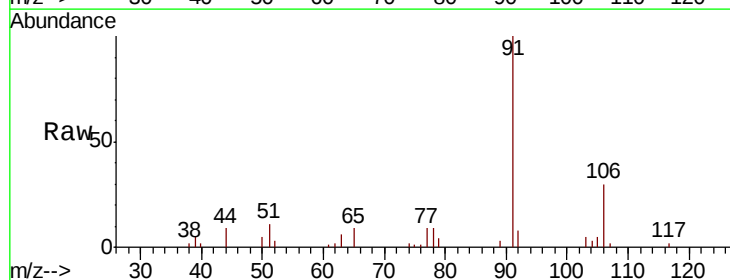
Acq: 29 Oct 2020 20:48

Tgt Ion: 91 Resp: 13501

Ion Ratio Lower Upper

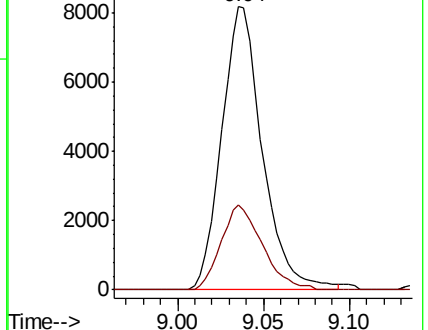
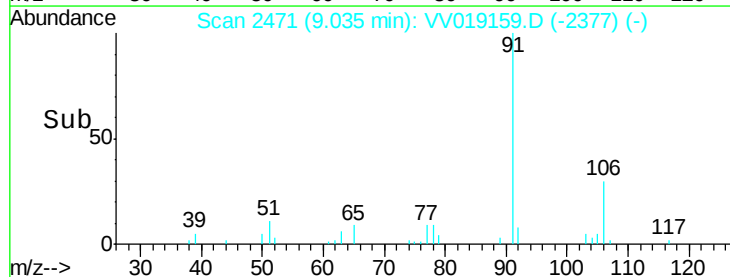
91 100

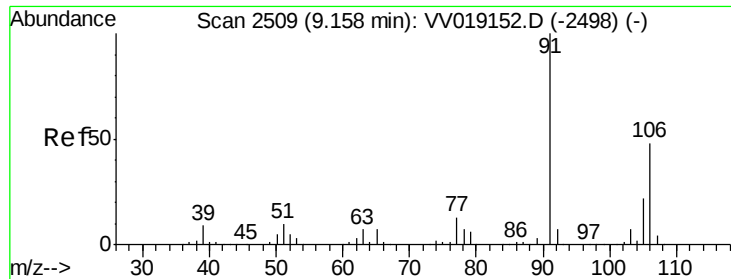
106 30.1 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 1.726 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV019159.D

Acq: 29 Oct 2020 20:48

Instrument :

MSVOA_V

ClientSampleId :

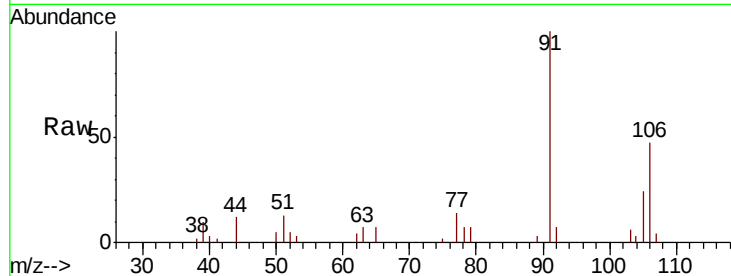
MDL05

Tot Ion:106 Resp: 4826

Ion Ratio Lower Upper

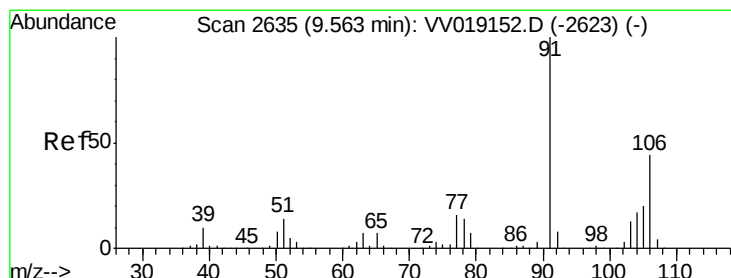
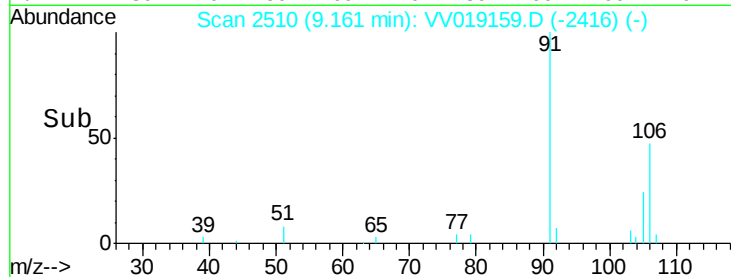
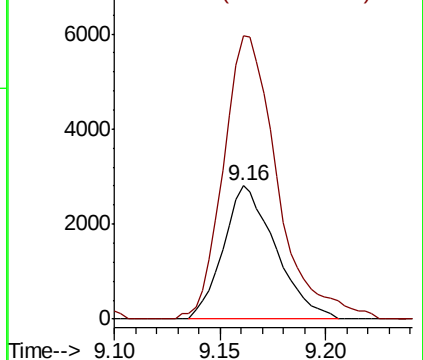
106 100

91 212.2 145.4 270.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 1.678 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV019159.D

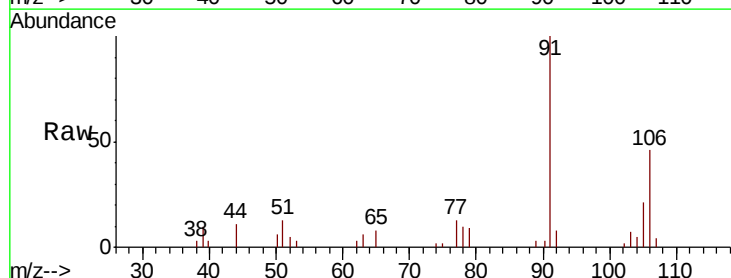
Acq: 29 Oct 2020 20:48

Tgt Ion:106 Resp: 4507

Ion Ratio Lower Upper

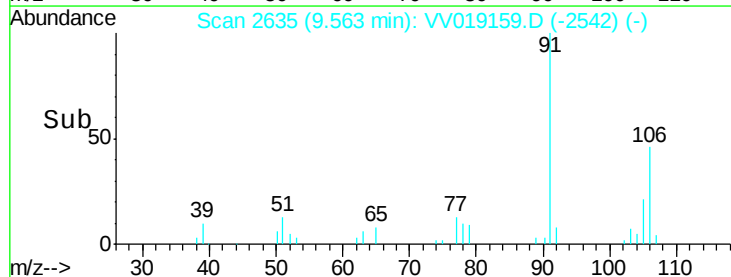
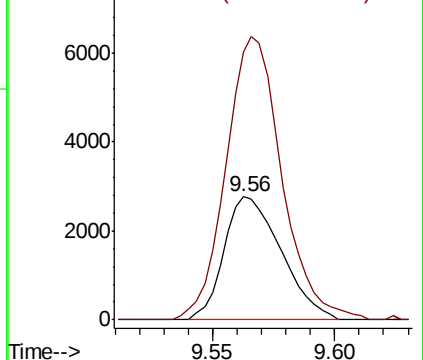
106 100

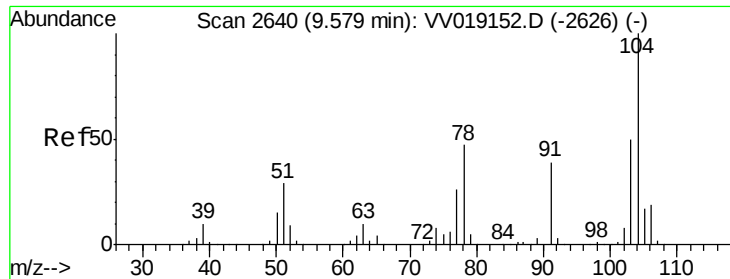
91 217.8 153.4 285.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

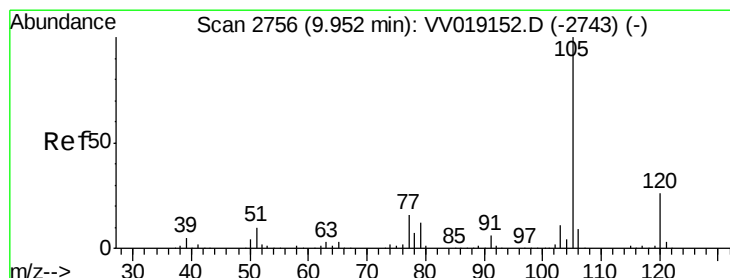
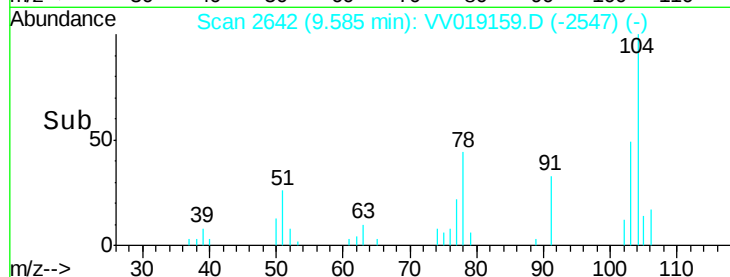
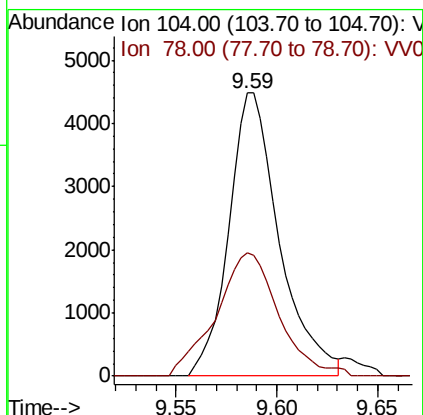
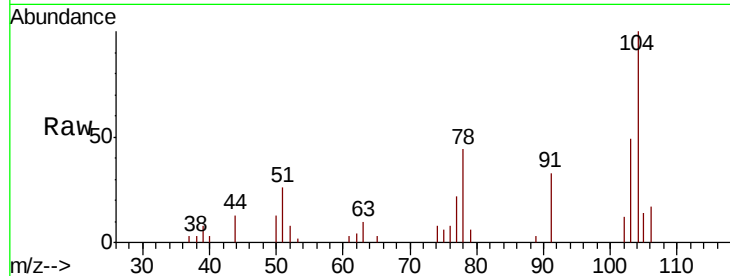




#55
Stvrene
Concen: 1.648 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.01 min
Lab File: VV019159.D
Acq: 29 Oct 2020 20:48

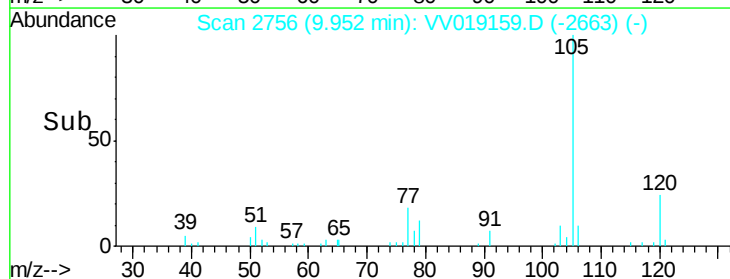
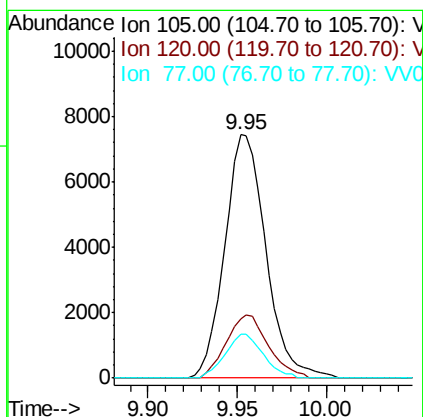
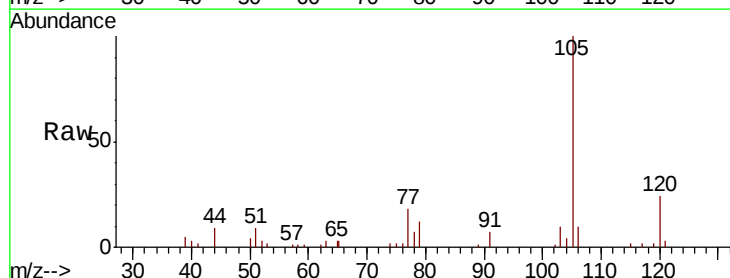
Instrument :
MSVOA_V
ClientSampled :
MDL05

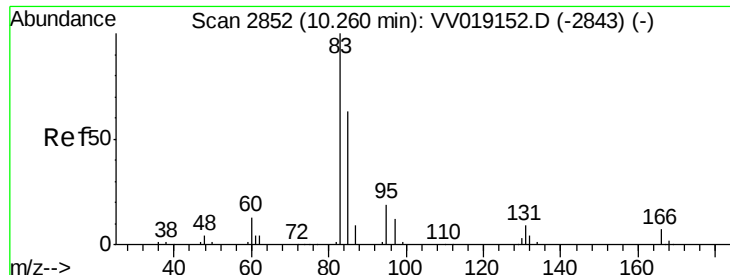
Tot Ion:104 Resp: 7842
Ion Ratio Lower Upper
104 100
78 43.7 32.8 60.8



#56
Isopropylbenzene
Concen: 1.660 ug/L
RT: 9.95 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VV019159.D
Acq: 29 Oct 2020 20:48

Tgt Ion:105 Resp: 11977
Ion Ratio Lower Upper
105 100
120 26.4 21.3 31.9
77 16.6 13.0 19.4





#58

1,1,2,2-Tetrachloroethane

Concen: 2.259 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV019159.D

Acq: 29 Oct 2020 20:48

Instrument :

MSVOA_V

ClientSampleId :

MDL05

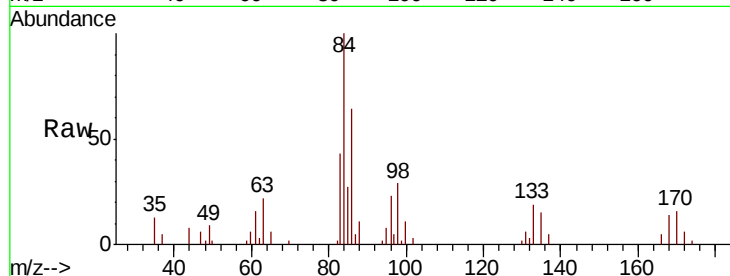
Tot Ion: 83 Resp: 5252

Ion Ratio Lower Upper

83 100

85 64.1 45.8 85.0

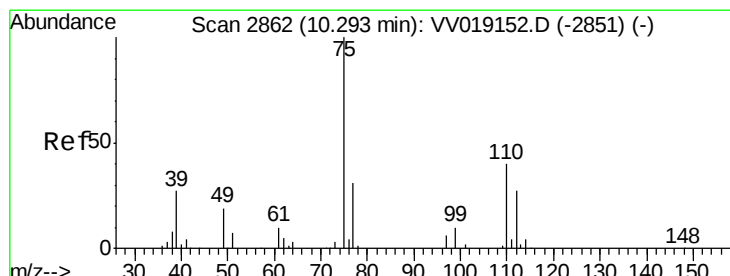
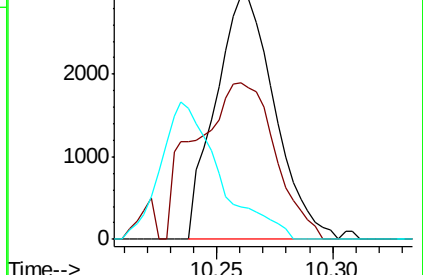
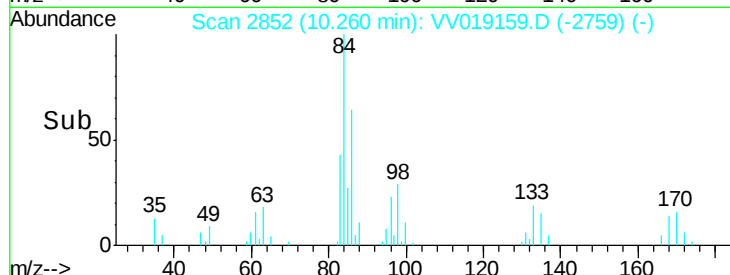
131 13.6 8.9 13.3#



Abundance Ion 83.00 (82.70 to 83.70): VV019159.D (-2759) (-)

Ion 85.00 (84.70 to 85.70): VV019159.D (-2759) (-)

Ion 131.00 (130.70 to 131.70): VV019159.D (-2759) (-)



#59

1,2,3-Trichloropropane

Concen: 2.225 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV019159.D

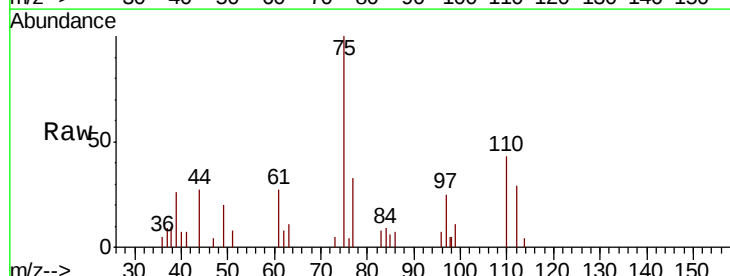
Acq: 29 Oct 2020 20:48

Tgt Ion: 75 Resp: 4427

Ion Ratio Lower Upper

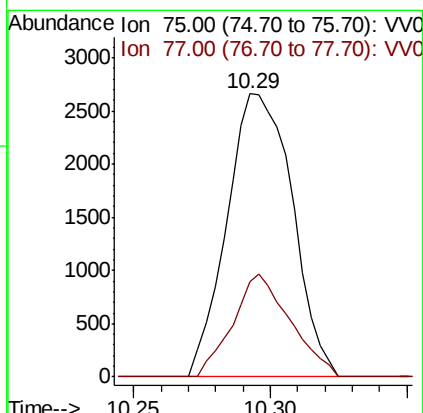
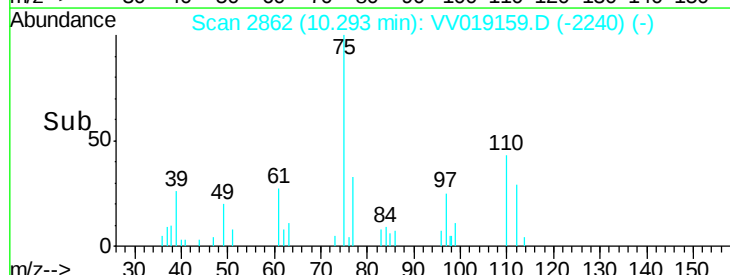
75 100

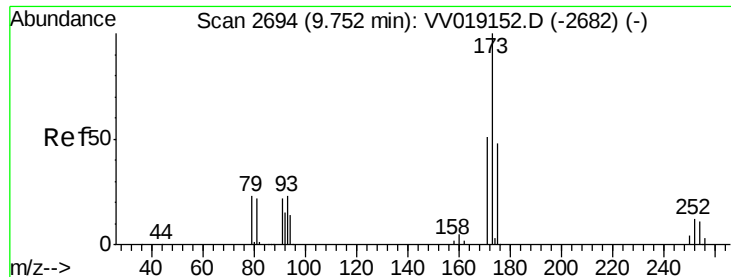
77 31.9 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VV019159.D (-2240) (-)

Ion 77.00 (76.70 to 77.70): VV019159.D (-2240) (-)





#61

Bromoform

Concen: 1.996 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV019159.D

Acq: 29 Oct 2020 20:48

Instrument :

MSVOA_V

ClientSampleId :

MDL05

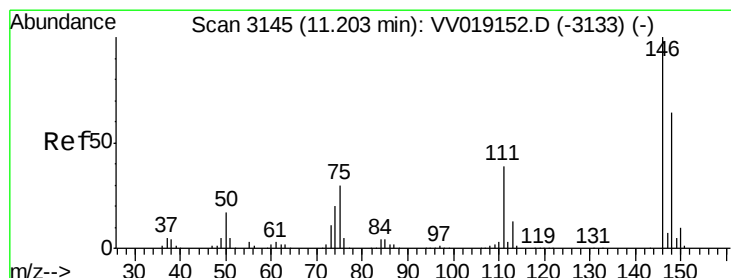
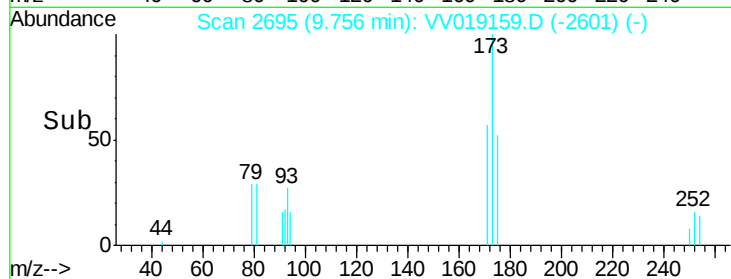
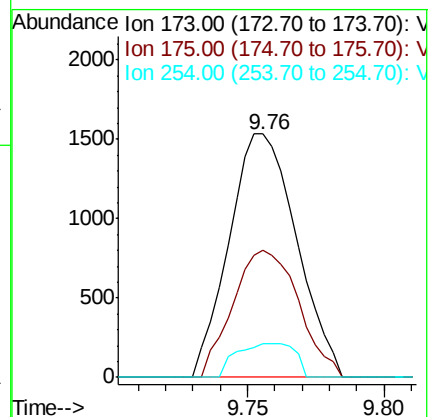
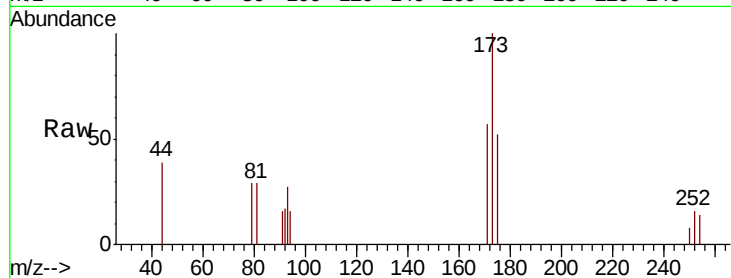
Tot Ion:173 Resp: 2630

Ion Ratio Lower Upper

173 100

175 51.0 39.8 59.6

254 11.9 9.7 14.5



#62

1,3-Dichlorobenzene

Concen: 1.940 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV019159.D

Acq: 29 Oct 2020 20:48

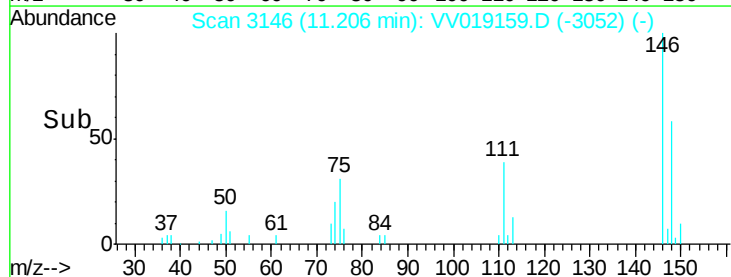
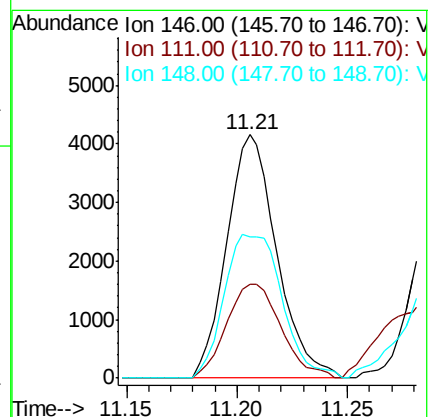
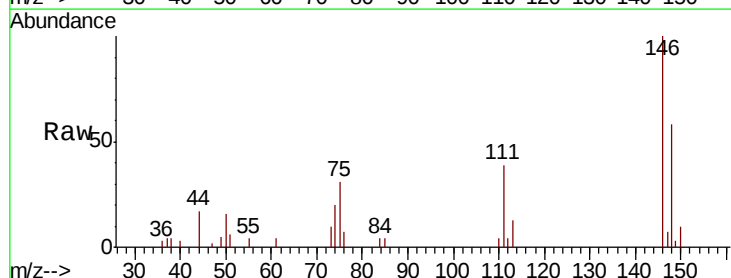
Tgt Ion:146 Resp: 6535

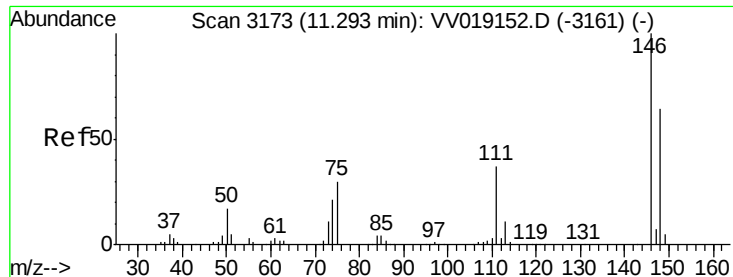
Ion Ratio Lower Upper

146 100

111 38.6 27.1 50.3

148 58.2 44.7 83.1





#63

1,4-Dichlorobenzene

Concen: 2.096 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV019159.D

Acq: 29 Oct 2020 20:48

Instrument :

MSVOA_V

ClientSampled :

MDL05

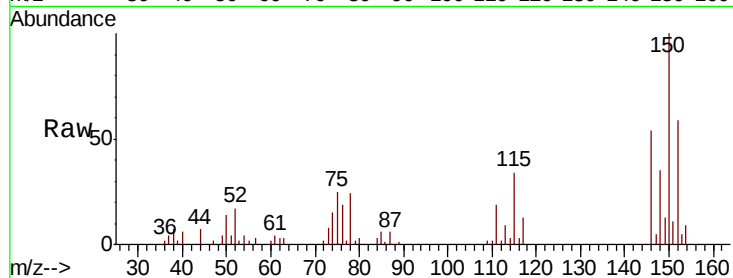
Tot Ion:146 Resp: 7338

Ion Ratio Lower Upper

146 100

111 34.9 25.8 48.0

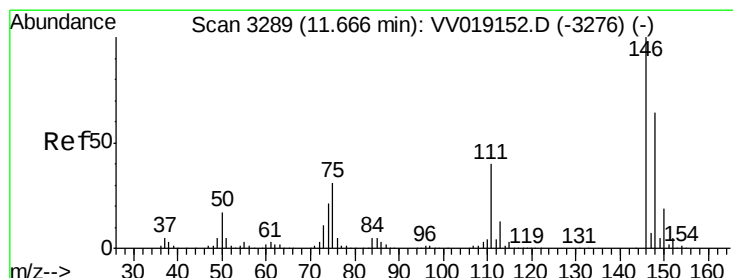
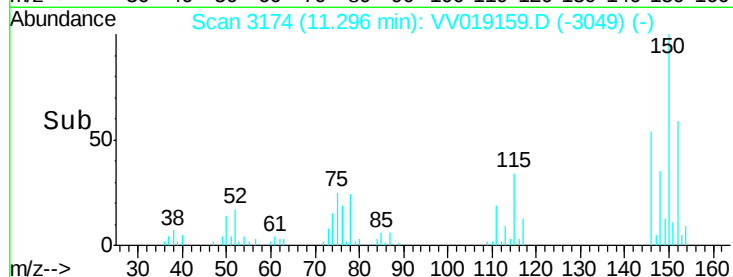
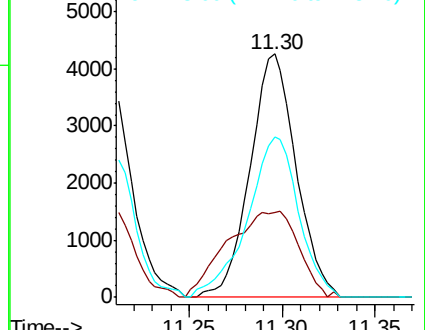
148 66.0 44.0 81.6



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

1,2-Dichlorobenzene

Concen: 2.223 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV019159.D

Acq: 29 Oct 2020 20:48

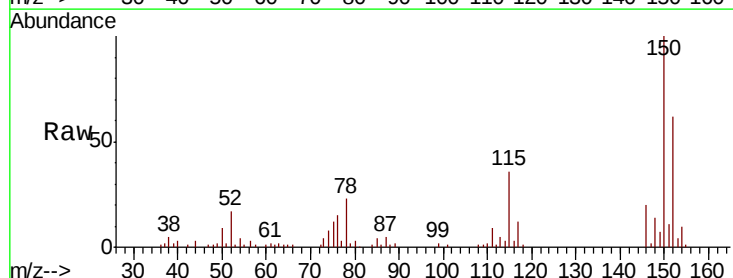
Tgt Ion:146 Resp: 7420

Ion Ratio Lower Upper

146 100

111 44.9 32.2 48.4

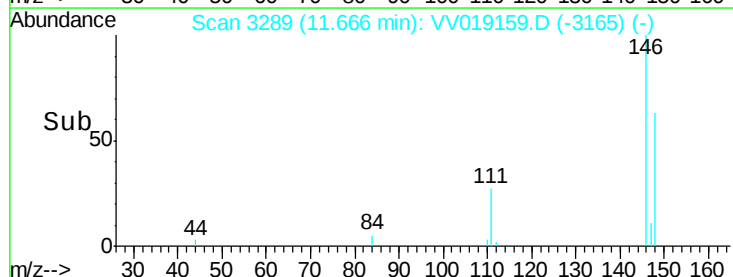
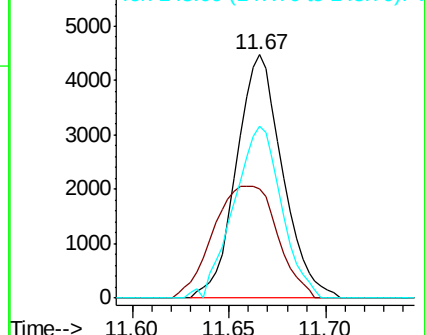
148 70.4 50.8 76.2

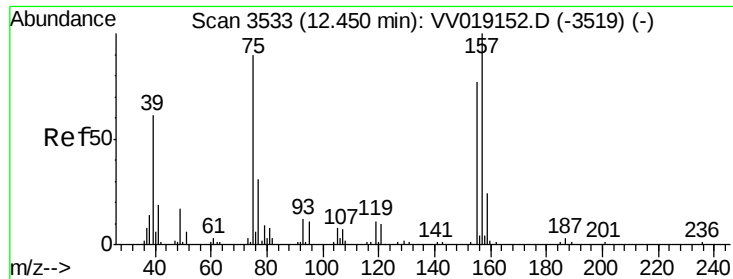


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

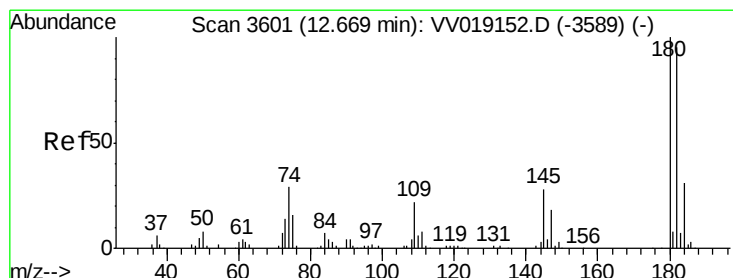
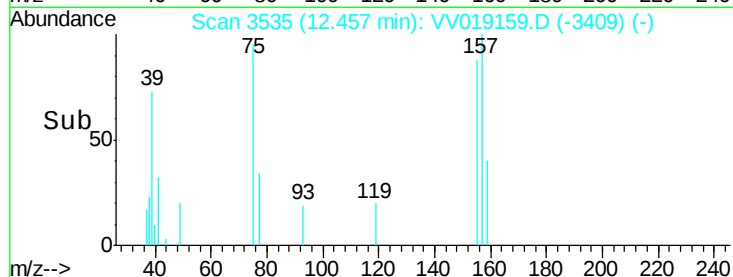
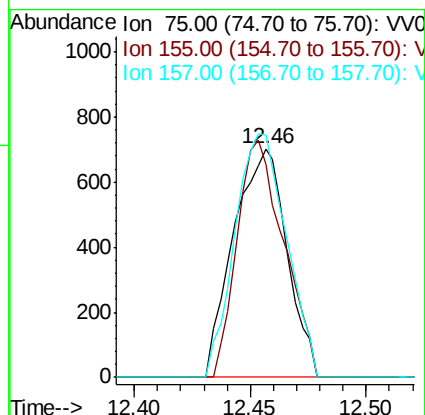
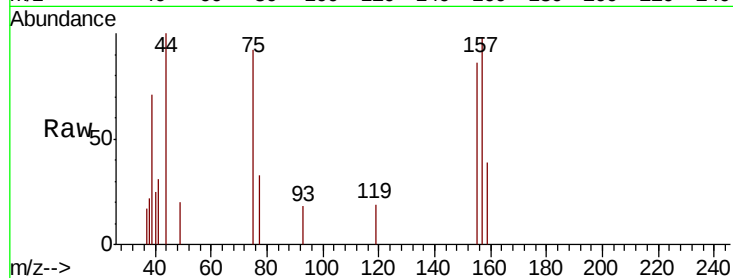




#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.966 ug/L
 RT: 12.46 min Scan# 3535
 Delta R.T. 0.01 min
 Lab File: VV019159.D
 Acq: 29 Oct 2020 20:48

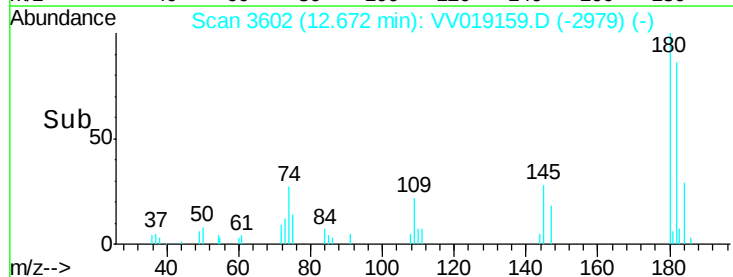
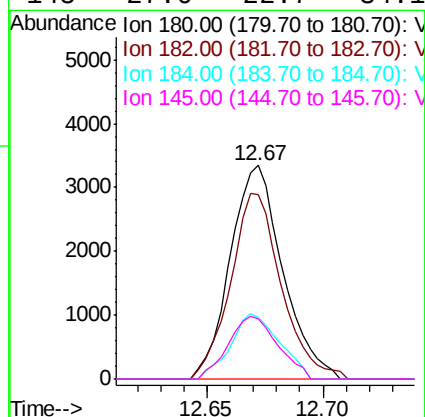
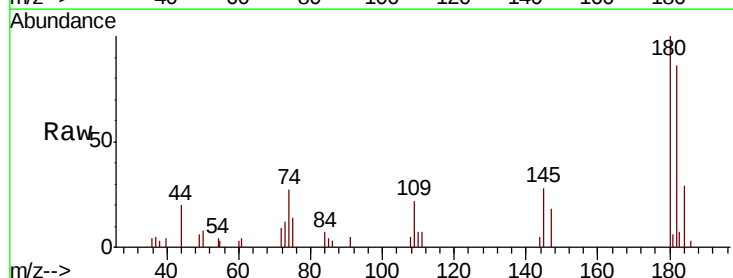
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

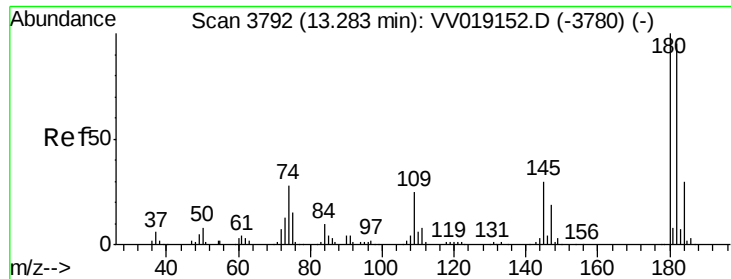
Tot Ion: 75 Resp: 1123
 Ion Ratio Lower Upper
 75 100
 155 92.9 71.1 106.7
 157 105.7 90.5 135.7



#67
 1,3,5-Trichlorobenzene
 Concen: 2.115 ug/L
 RT: 12.67 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VV019159.D
 Acq: 29 Oct 2020 20:48

Tgt Ion: 180 Resp: 5245
 Ion Ratio Lower Upper
 180 100
 182 84.3 76.1 114.1
 184 28.3 24.5 36.7
 145 27.6 22.7 34.1

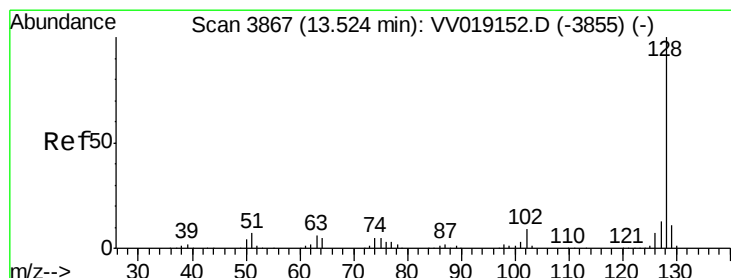
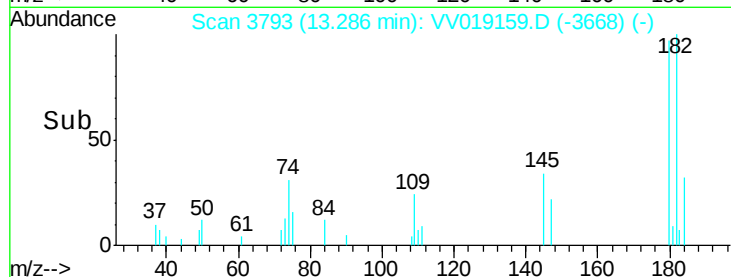
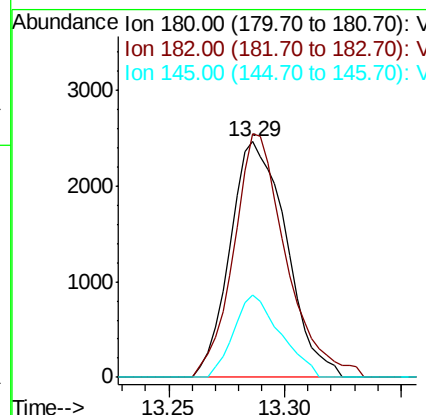
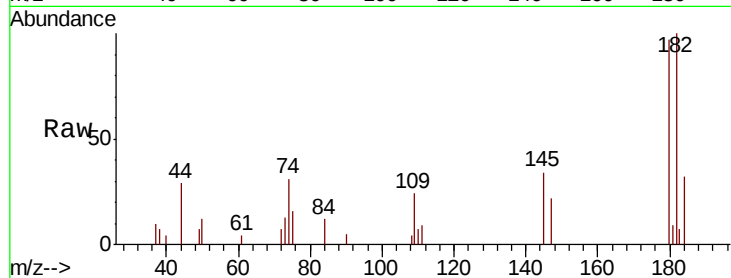




#68
 1,2,4-trichlorobenzene
 Concen: 1.789 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV019159.D
 Acq: 29 Oct 2020 20:48

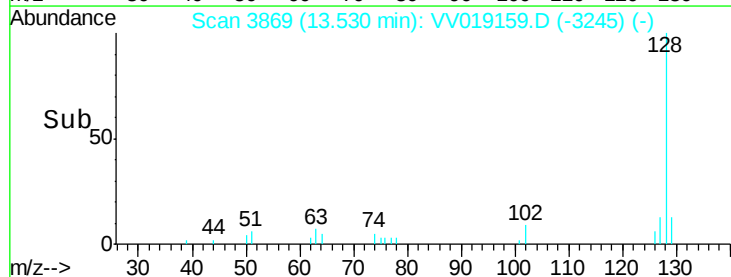
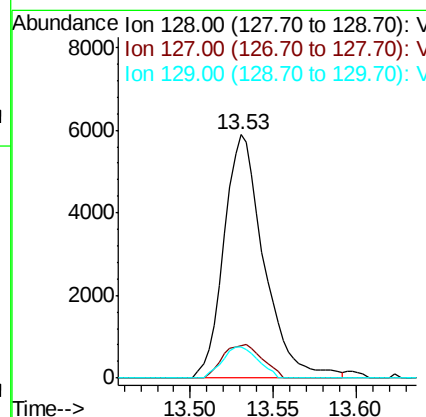
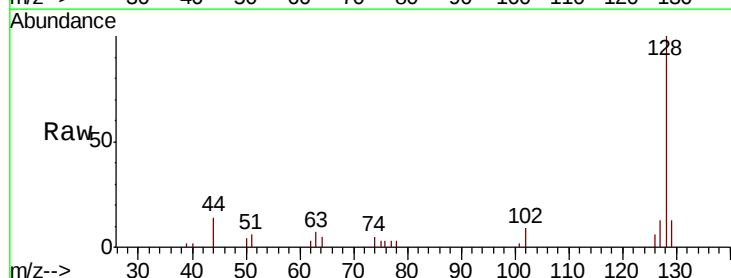
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

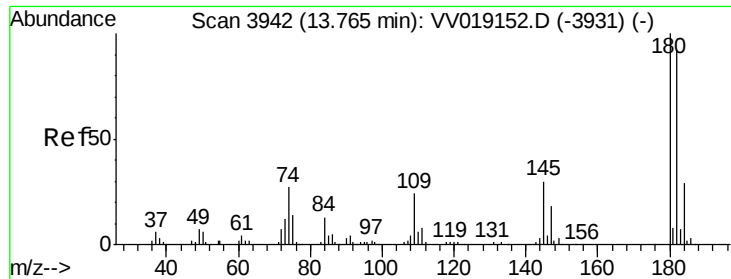
Tot Ion:180 Resp: 4157
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.8 113.6
 145 28.9 22.6 34.0



#69
 Naphthalene
 Concen: 1.523 ug/L
 RT: 13.53 min Scan# 3869
 Delta R.T. 0.01 min
 Lab File: VV019159.D
 Acq: 29 Oct 2020 20:48

Tgt Ion:128 Resp: 9914
 Ion Ratio Lower Upper
 128 100
 127 13.5 10.8 16.2
 129 11.3 8.6 13.0





#70

1,2,3-Trichlorobenzene

Concen: 1.879 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.01 min

Lab File: VV019159.D

Acq: 29 Oct 2020 20:48

Instrument :

MSVOA_V

ClientSampleId :

MDL05

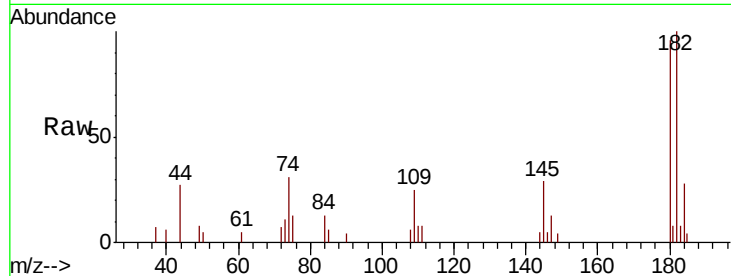
Tot Ion:180 Resp: 4273

Ion Ratio Lower Upper

180 100

182 95.6 76.2 114.4

145 29.5 25.1 37.7



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

