

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072320\
 Data File : VV017611.D
 Acq On : 23 Jul 2020 18:14
 Operator : SY/MD
 Sample : MDL06
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Quant Time: Jul 24 01:56:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 24 01:49:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	178761	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	171865	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	86548	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	43651	5.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.20%
7) Chloroethane-d5	1.58	69	33455	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.40%
11) 1,1-Dichloroethene-d2	2.12	63	73727	3.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.00%
20) 2-Butanone-d5	3.95	46	98065	48.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.04%
24) Chloroform-d	4.37	84	103045	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.06	65	54165	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.07	84	190510	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.10	67	54178	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.34	98	174422	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
45) trans-1,3-Dichloropropene-	7.65	79	22520	4.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.40%
48) 2-Hexanone-d5	8.11	63	67638	45.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.46%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	35554	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	69296	5.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	5126	0.262 ug/L	97
3) Chloromethane	1.24	50	3802	0.298 ug/L	96
5) Vinyl chloride	1.32	62	3835	0.300 ug/L #	81
6) Bromomethane	1.53	94	2410	0.294 ug/L	87
8) Chloroethane	1.59	64	2509	0.340 ug/L	97
9) Trichlorofluoromethane	1.76	101	6121	0.268 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3278	0.307 ug/L	96
12) 1,1-Dichloroethene	2.13	96	3396	0.353 ug/L #	1
14) Carbon disulfide	2.31	76	8407	0.287 ug/L	97
16) Methylene chloride	2.52	84	3934	0.367 ug/L #	72
17) Methyl tert-butyl Ether	2.79	73	6256	0.254 ug/L #	91
18) trans-1,2-Dichloroethene	2.78	96	3168	0.302 ug/L	99
19) 1,1-Dichloroethane	3.21	63	5808	0.263 ug/L #	85
22) cis-1,2-Dichloroethene	3.94	96	3879	0.294 ug/L	78
23) Bromochloromethane	4.28	128	1619	0.266 ug/L #	82
25) Chloroform	4.40	83	3308	0.134 ug/L	82
27) 1,2-Dichloroethane	5.17	62	4630	0.288 ug/L	100

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

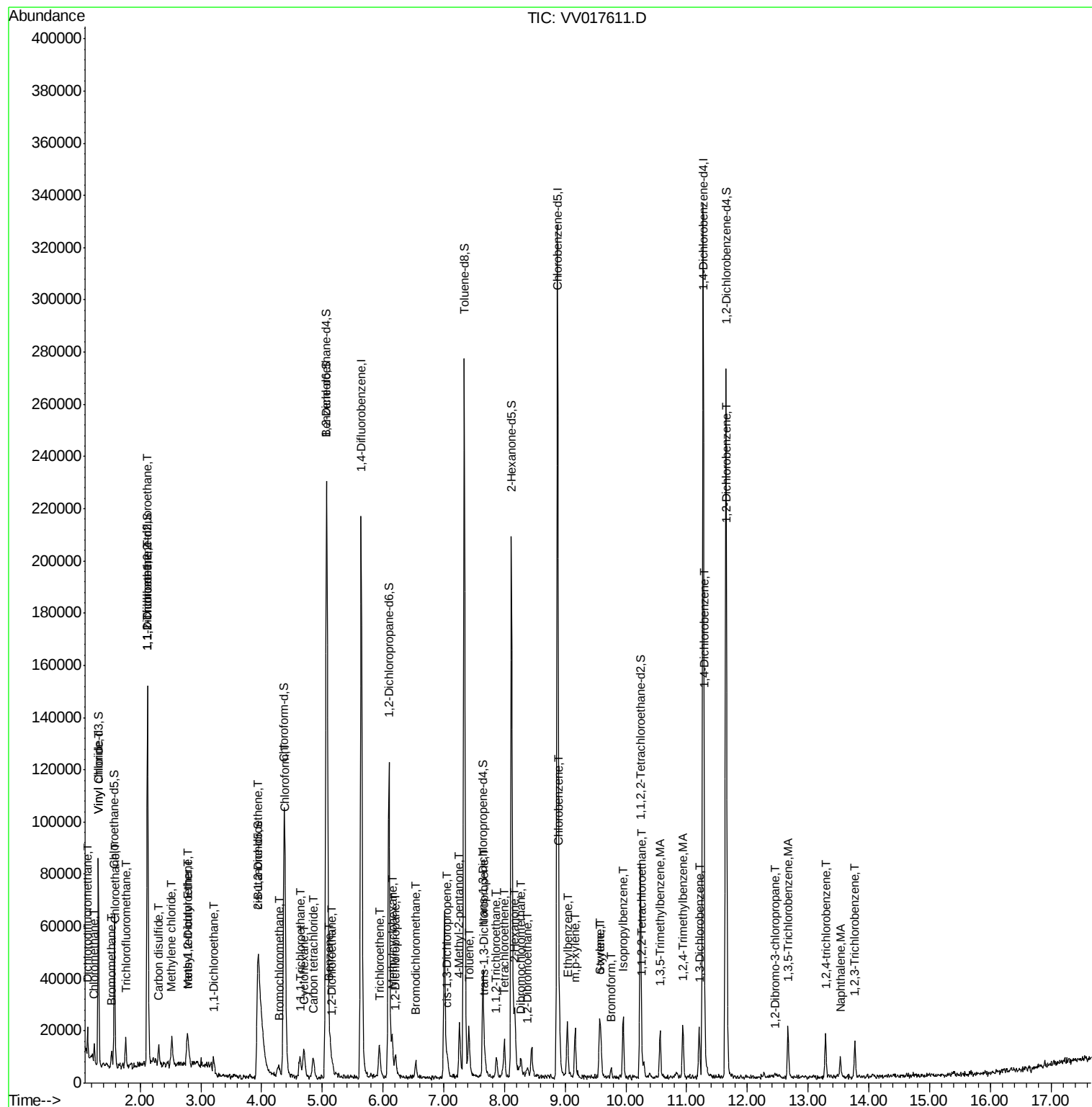
29) 1,1,1-Trichloroethane	4.63	97	5728	0.238	ug/L	89
30) Cyclohexane	4.69	56	5279	0.277	ug/L #	90
31) Carbon tetrachloride	4.85	117	5440	0.254	ug/L	98
33) Benzene	5.13	78	12150	0.250	ug/L	100
34) Trichloroethene	5.94	95	4019	0.296	ug/L	88
35) Methylcyclohexane	6.15	83	5056	0.246	ug/L	93
37) 1,2-Dichloropropane	6.21	63	3069	0.268	ug/L #	87
38) Bromodichloromethane	6.54	83	4294	0.255	ug/L #	99
39) cis-1,3-Dichloropropene	7.05	75	4415	0.256	ug/L	97
40) 4-Methyl-2-pentanone	7.26	43	13622	2.173	ug/L #	88
42) Toluene	7.41	91	13389	0.252	ug/L	98
43) 1,3,5-Trimethylbenzene	10.56	105	10194	0.206	ug/L	96
44) 1,2,4-Trimethylbenzene	10.94	105	9908	0.196	ug/L	98
46) trans-1,3-Dichloropropene	7.68	75	3286	0.212	ug/L	91
47) 1,1,2-Trichloroethane	7.86	97	1030	0.119	ug/L #	86
49) Tetrachloroethene	8.00	164	2987	0.249	ug/L	91
50) 2-Hexanone	8.17	43	15145	3.415	ug/L	99
51) Dibromochloromethane	8.27	129	2932	0.266	ug/L	80
52) 1,2-Dibromoethane	8.38	107	1926	0.235	ug/L #	98
53) Chlorobenzene	8.90	112	9175	0.259	ug/L #	86
54) Ethylbenzene	9.04	91	13683	0.230	ug/L	98
55) m,p-xylene	9.16	106	5269	0.235	ug/L	82
56) o-xylene	9.57	106	5206	0.240	ug/L	84
57) Styrene	9.59	104	7604	0.210	ug/L	96
58) Isopropylbenzene	9.95	105	12579	0.210	ug/L #	94
60) 1,1,1,2,2-Tetrachloroethane	10.27	83	2621	0.277	ug/L	98
62) Bromoform	9.76	173	1506	0.272	ug/L #	93
63) 1,3-Dichlorobenzene	11.21	146	7620	0.273	ug/L	93
64) 1,4-Dichlorobenzene	11.30	146	8582	0.307	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	7739	0.305	ug/L	96
67) 1,2-Dibromo-3-chloropropan	12.46	75	484	0.305	ug/L #	55
68) 1,3,5-Trichlorobenzene	12.67	180	6088	0.269	ug/L	95
69) 1,2,4-trichlorobenzene	13.29	180	5106	0.270	ug/L	98
70) Naphthalene	13.53	128	5711	0.216	ug/L #	93
71) 1,2,3-Trichlorobenzene	13.77	180	3809	0.227	ug/L	92

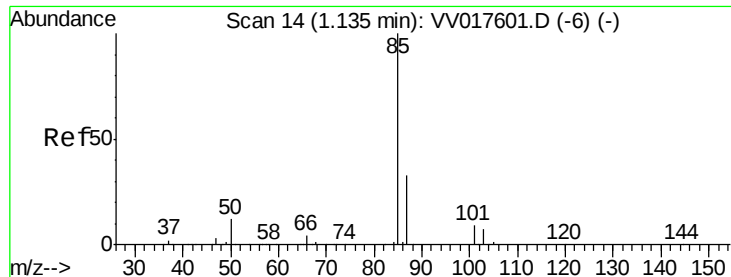
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.262 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

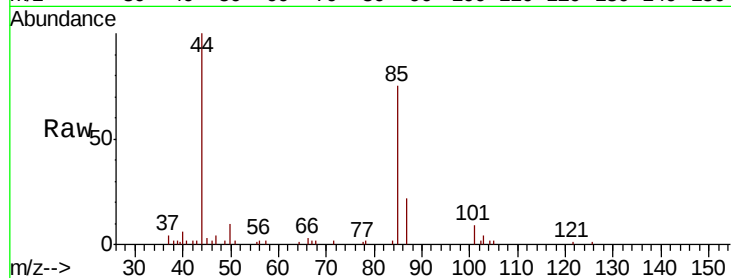
MDL06

Tot Ion: 85 Resp: 5126

Ion Ratio Lower Upper

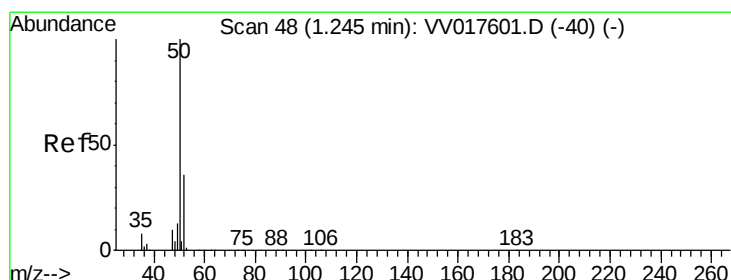
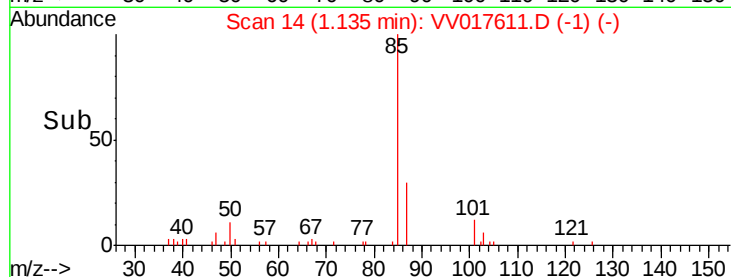
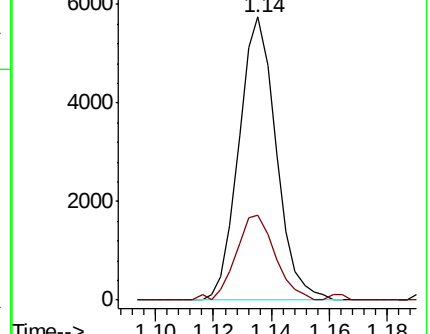
85 100

87 31.5 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.298 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV017611.D

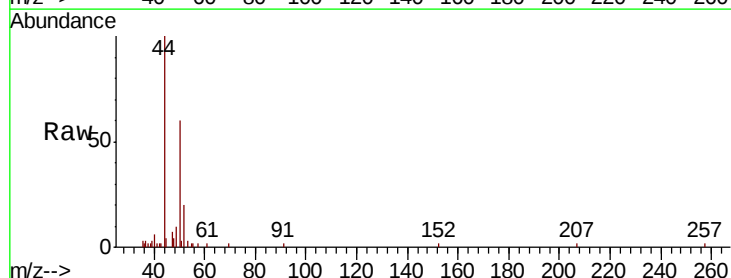
Acq: 23 Jul 2020 18:14

Tgt Ion: 50 Resp: 3802

Ion Ratio Lower Upper

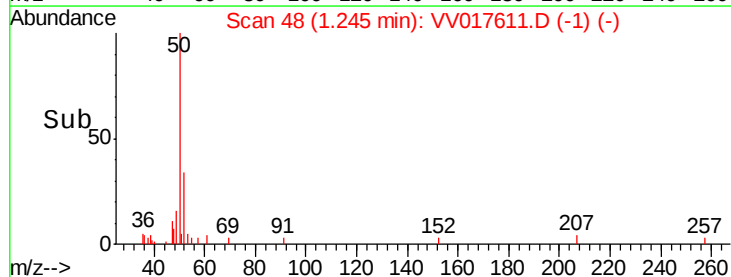
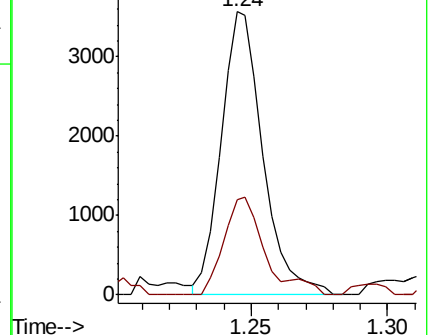
50 100

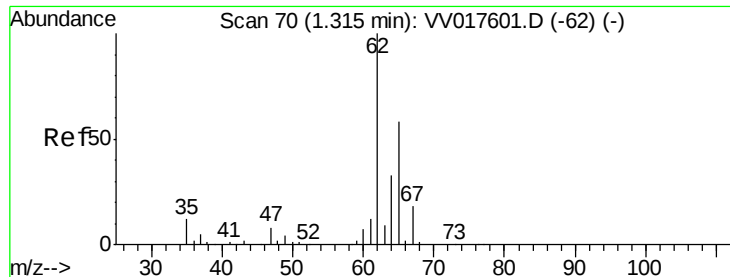
52 33.6 25.1 46.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.300 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

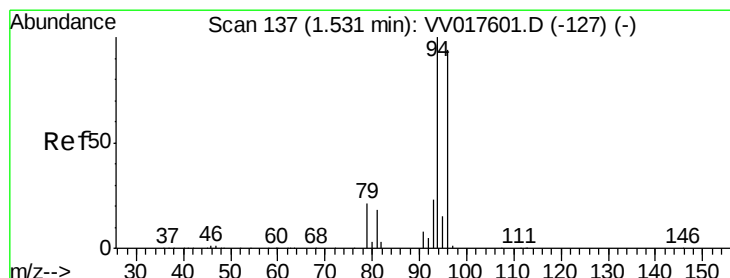
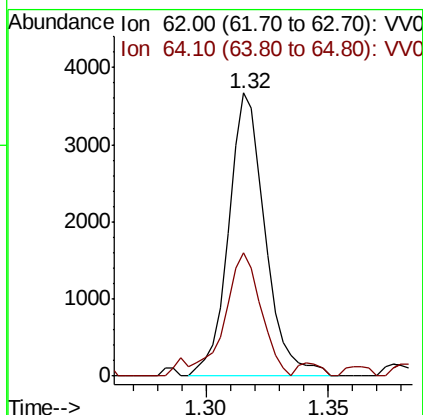
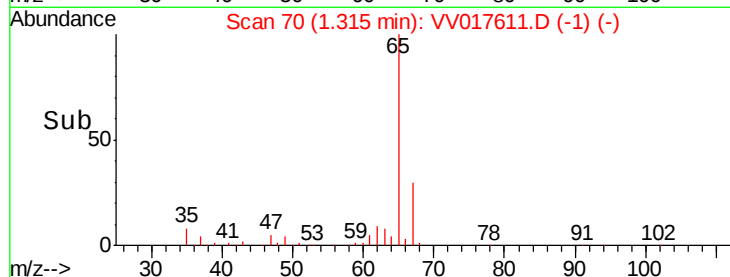
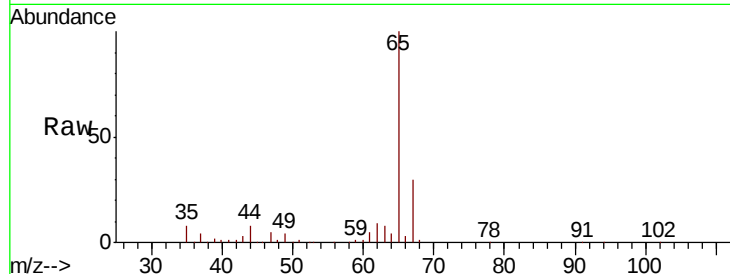
MDL06

Tot Ion: 62 Resp: 3835

Ion Ratio Lower Upper

62 100

64 43.7 23.0 42.8#



#6

Bromomethane

Concen: 0.294 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017611.D

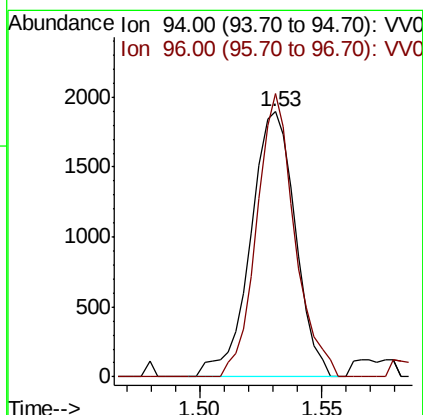
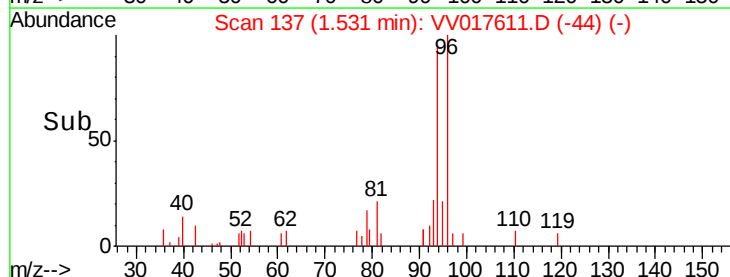
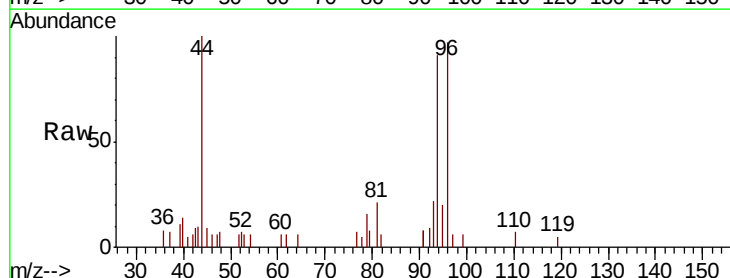
Acq: 23 Jul 2020 18:14

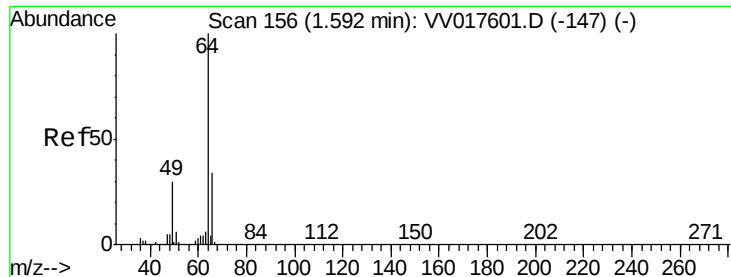
Tgt Ion: 94 Resp: 2410

Ion Ratio Lower Upper

94 100

96 106.8 65.9 122.5





#8

Chloroethane

Concen: 0.340 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

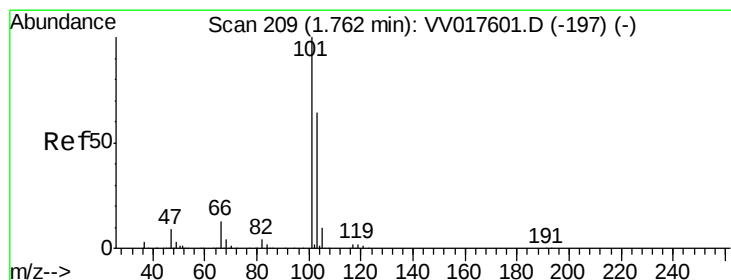
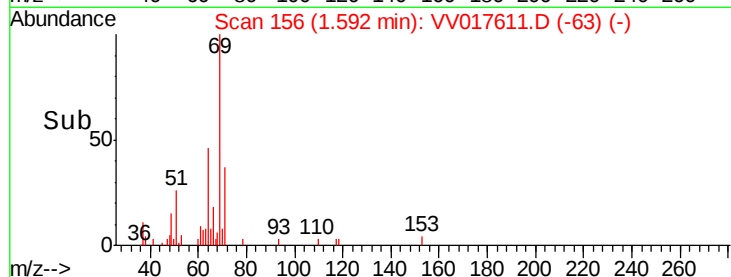
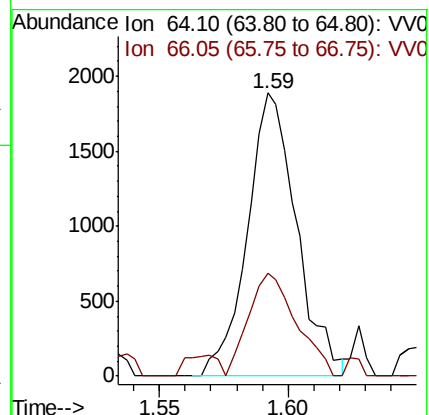
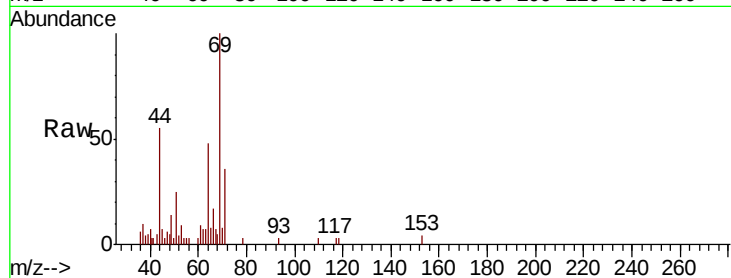
MDL06

Tot Ion: 64 Resp: 2509

Ion Ratio Lower Upper

64 100

66 36.2 24.0 44.6



#9

Trichlorofluoromethane

Concen: 0.268 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV017611.D

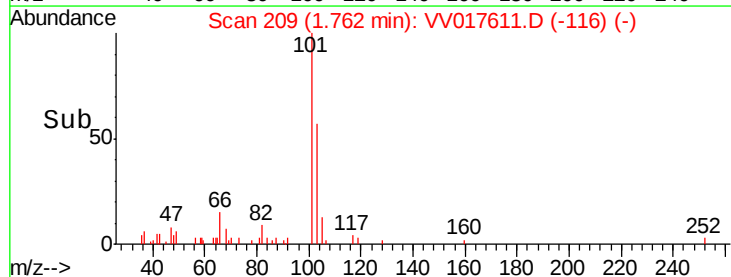
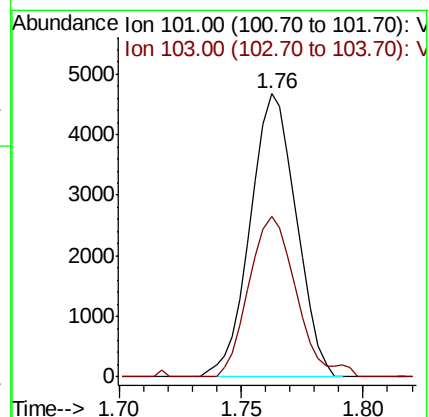
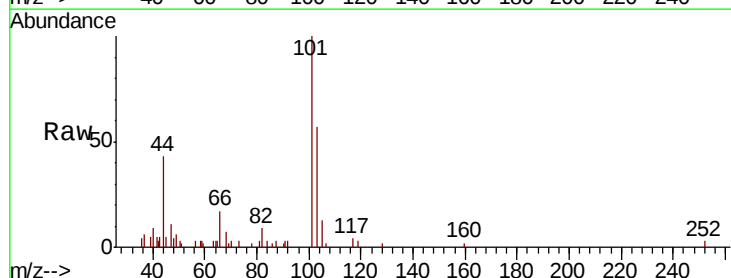
Acq: 23 Jul 2020 18:14

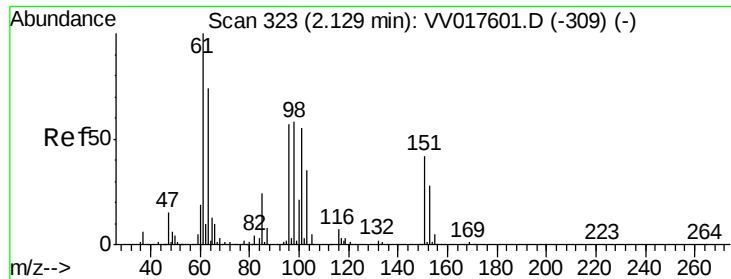
Tgt Ion: 101 Resp: 6121

Ion Ratio Lower Upper

101 100

103 58.2 51.7 77.5





#10

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

Concen: 0.307 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

MDL06

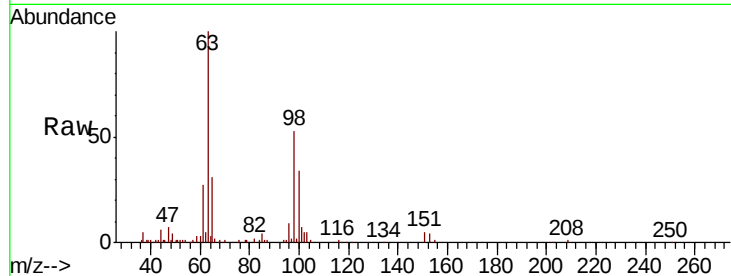
Tot Ion:101 Resp: 3278

Ion Ratio Lower Upper

101 100

85 45.3 34.6 51.8

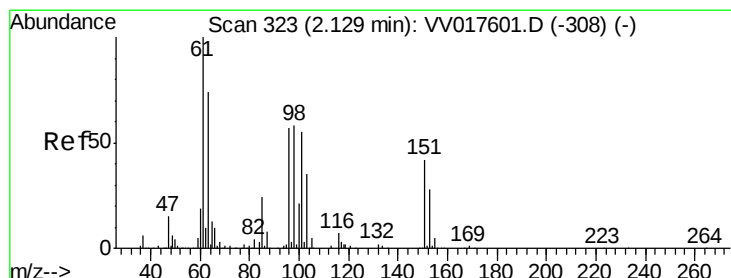
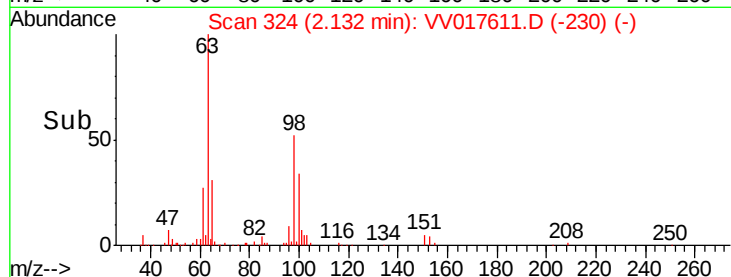
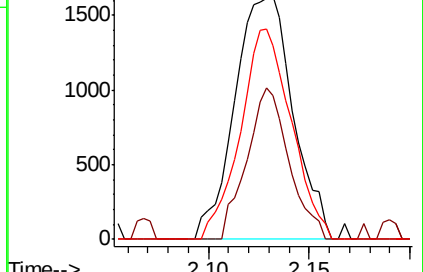
151 75.7 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): VV017611.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV017611.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV017611.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 0.353 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:14

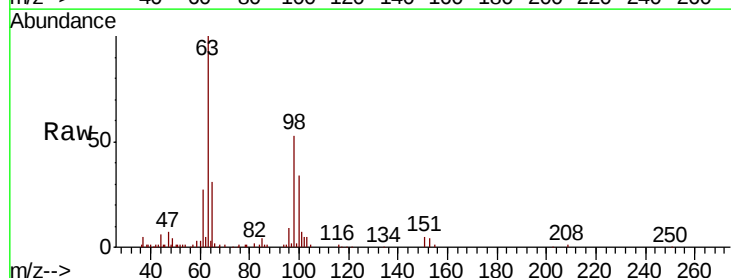
Tgt Ion: 96 Resp: 3396

Ion Ratio Lower Upper

96 100

61 321.6 123.1 228.7#

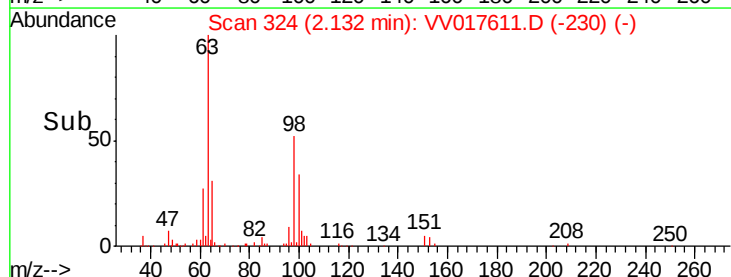
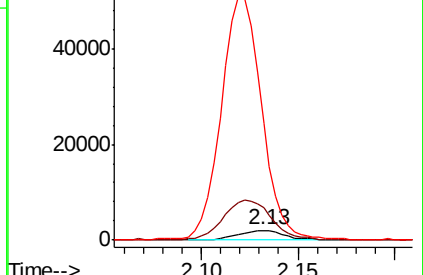
63 1173.9 91.2 169.4#

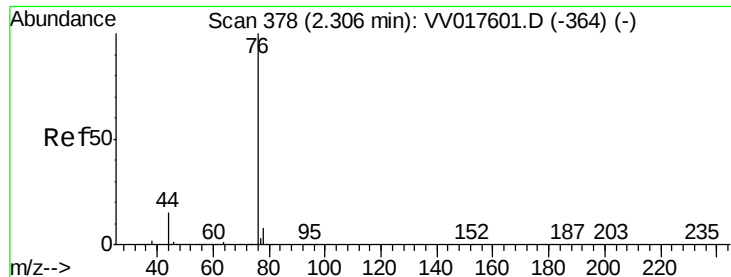


Abundance Ion 96.00 (95.70 to 96.70): VV017611.D (-230) (-)

Ion 61.05 (60.75 to 61.75): VV017611.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV017611.D (-230) (-)





#14

Carbon disulfide

Concen: 0.287 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:14

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MSVOA_V

ClientSampleId :

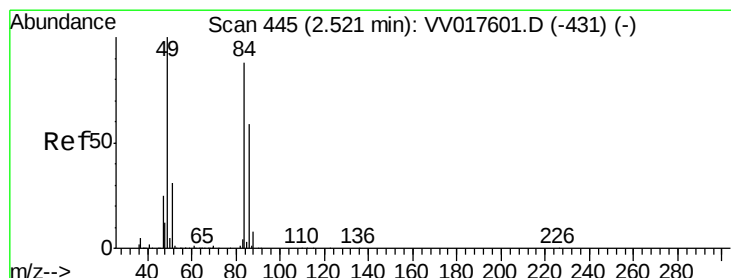
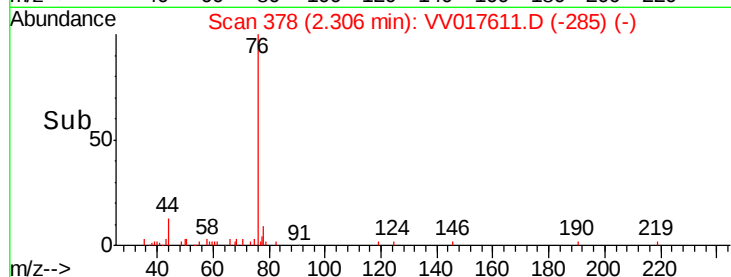
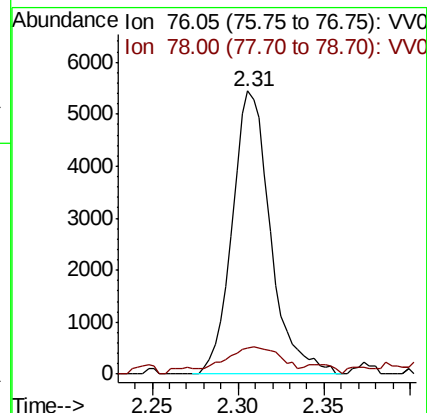
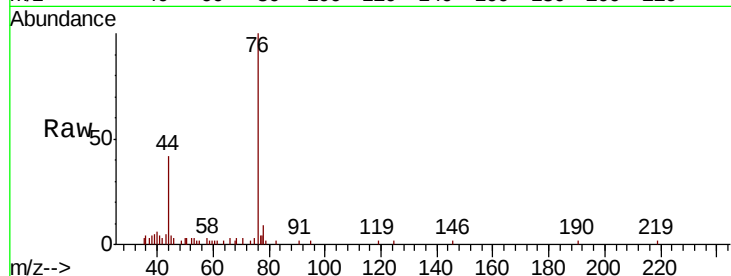
MDL06

Tot Ion: 76 Resp: 8407

Ion Ratio Lower Upper

76 100

78 9.2 6.6 10.0



#16

Methylene chloride

Concen: 0.367 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

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Acq: 23 Jul 2020 18:14

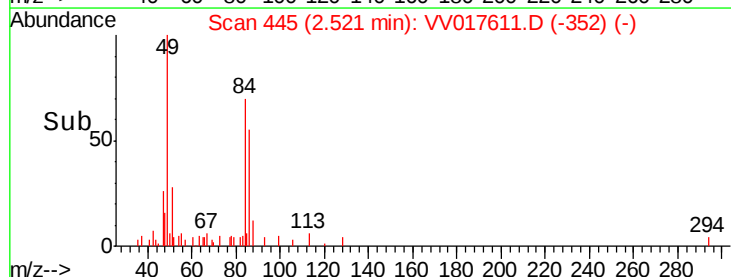
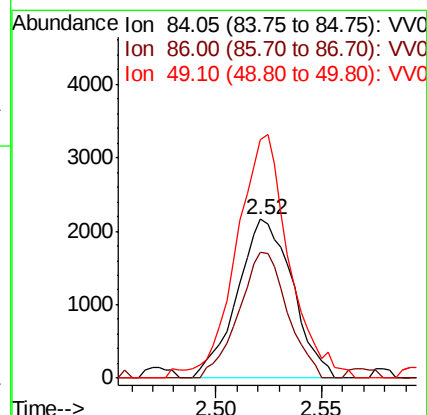
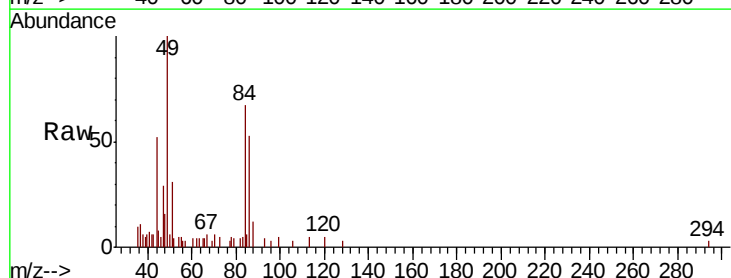
Tgt Ion: 84 Resp: 3934

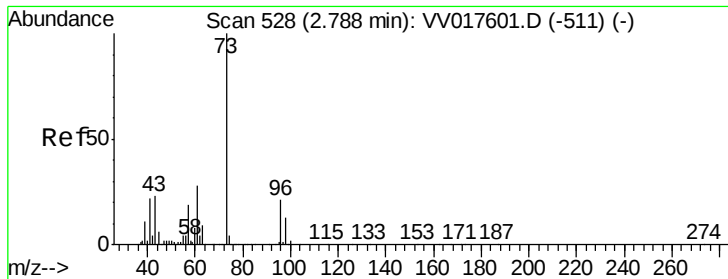
Ion Ratio Lower Upper

84 100

86 79.4 46.5 86.3

49 150.1 79.2 147.2#



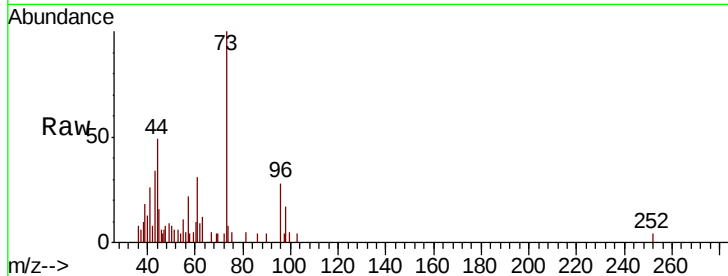


#17

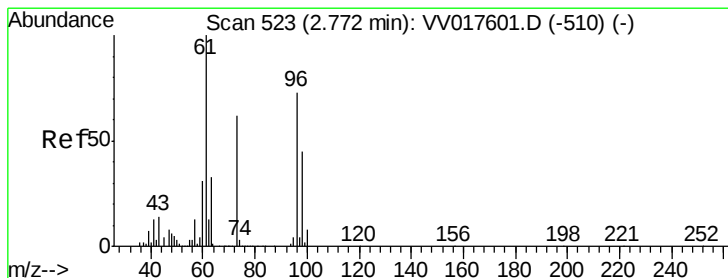
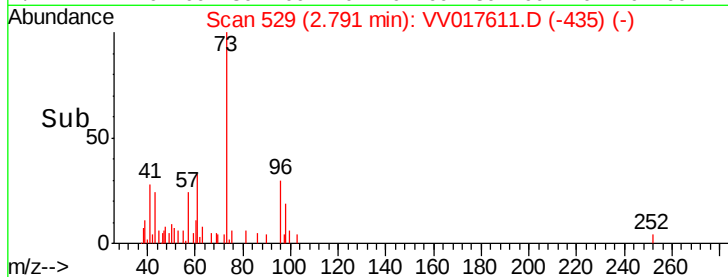
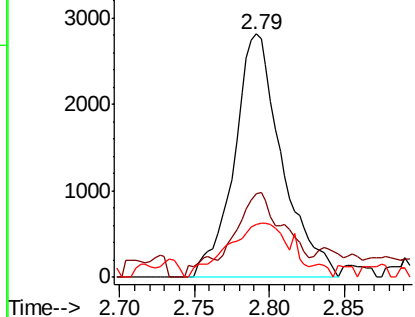
Methvl tert-butvl Ether
 Concen: 0.254 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV017611.D
 Acq: 23 Jul 2020 18:14

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
73	100		
43	23.5	18.3	27.5
57	29.0	16.7	25.1#



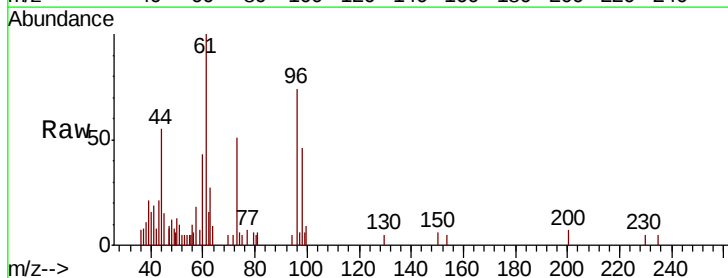
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



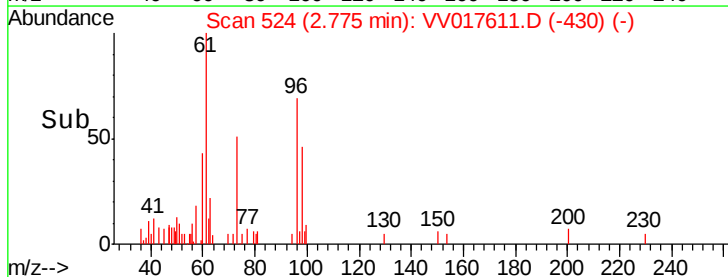
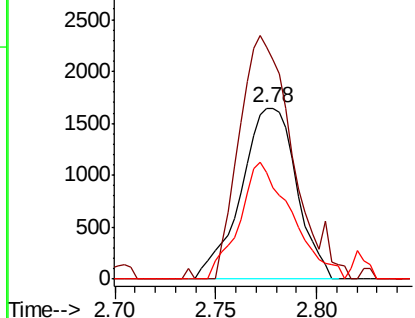
#18

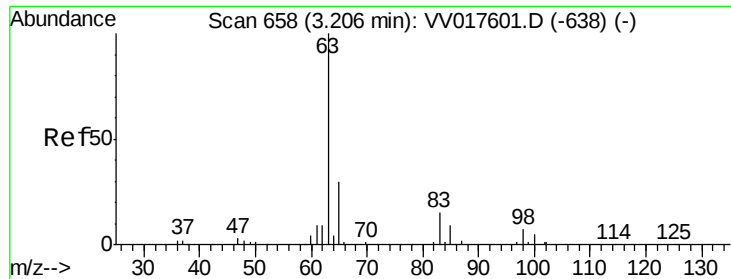
trans-1,2-Dichloroethene
 Concen: 0.302 ug/L
 RT: 2.78 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: VV017611.D
 Acq: 23 Jul 2020 18:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.8	96.0	178.4
98	62.3	43.5	80.9



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 97.95 (97.65 to 98.65): VV0

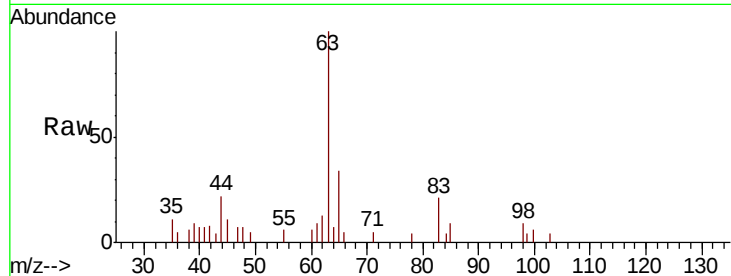




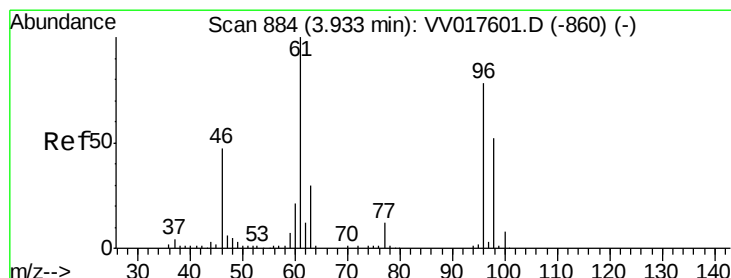
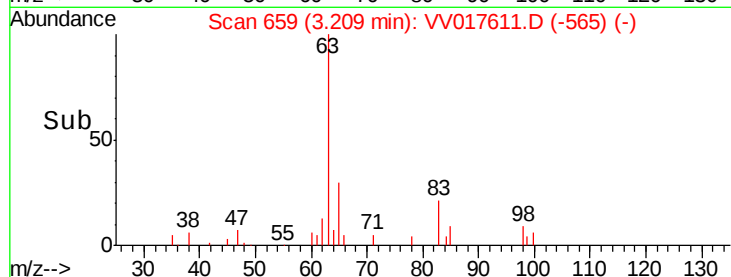
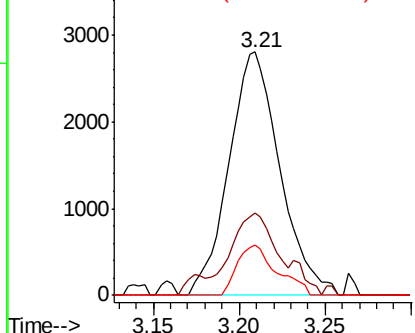
#19
 1,1-Dichloroethane
 Concen: 0.263 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV017611.D
 Acq: 23 Jul 2020 18:14

Instrument :
 MSVOA_V
 ClientSampled :
 MDL06

Tot Ion: 63 Resp: 5808
 Ion Ratio Lower Upper
 63 100
 65 38.8 21.4 39.8
 83 20.6 10.4 19.4#

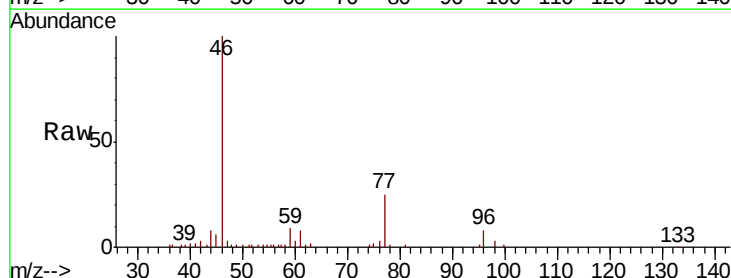


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

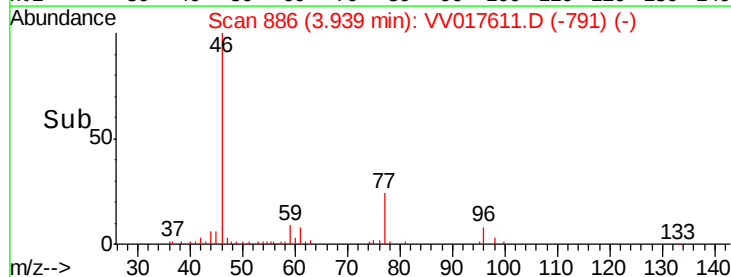
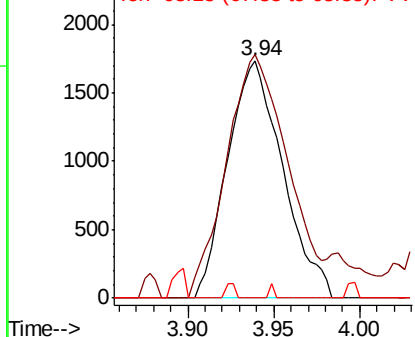


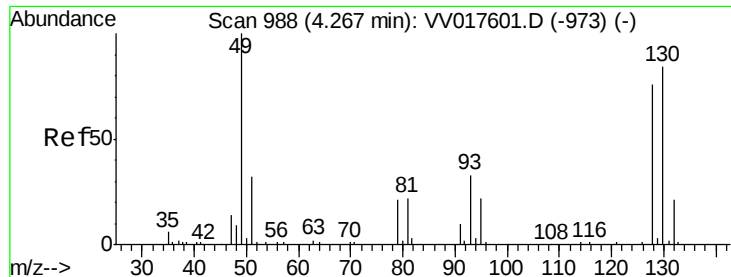
#22
 cis-1,2-Dichloroethene
 Concen: 0.294 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VV017611.D
 Acq: 23 Jul 2020 18:14

Tgt Ion: 96 Resp: 3879
 Ion Ratio Lower Upper
 96 100
 61 102.4 89.6 166.4
 68 0.0 0.0 0.0



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





#23

Bromochloromethane

Concen: 0.266 ug/L

RT: 4.28 min Scan# 993

Delta R.T. 0.02 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion:128 Resp: 1619

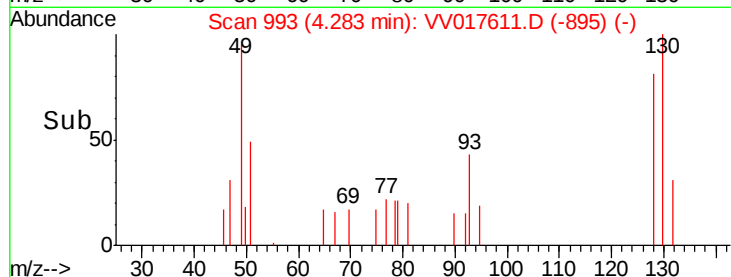
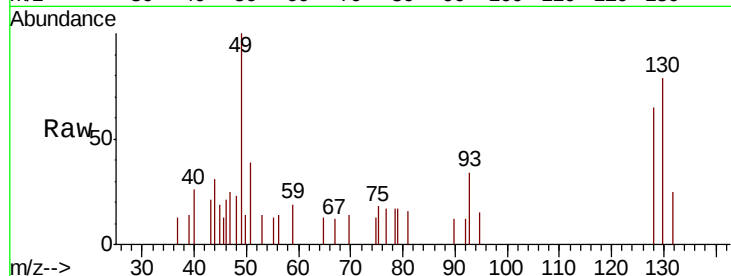
Ion Ratio Lower Upper

128 100

49 154.9 92.2 171.2

130 123.0 77.2 143.4

51 60.6 33.8 50.6#

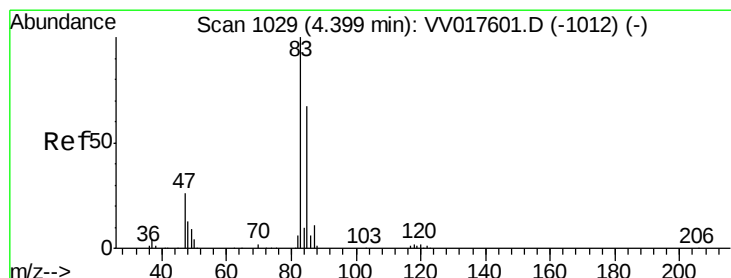
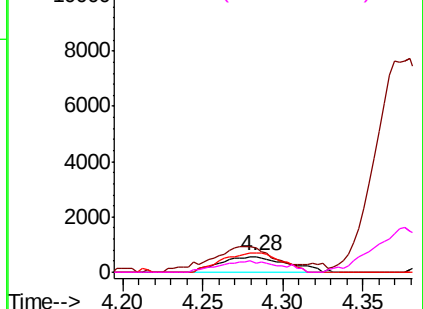


Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VV0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VV0



#25

Chloroform

Concen: 0.134 ug/L

RT: 4.40 min Scan# 1028

Delta R.T. -0.00 min

Lab File: VV017611.D

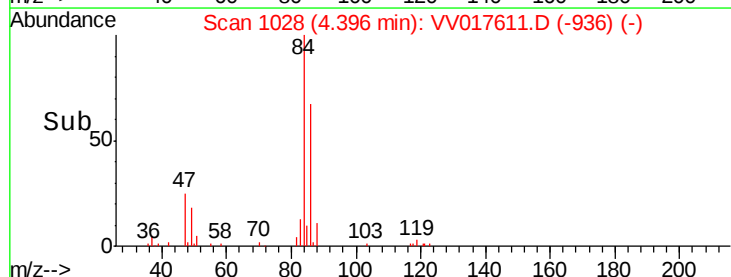
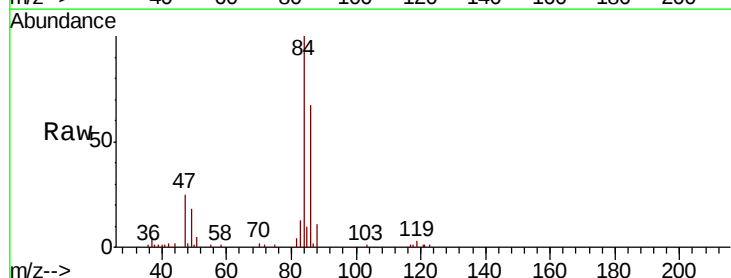
Acq: 23 Jul 2020 18:14

Tgt Ion: 83 Resp: 3308

Ion Ratio Lower Upper

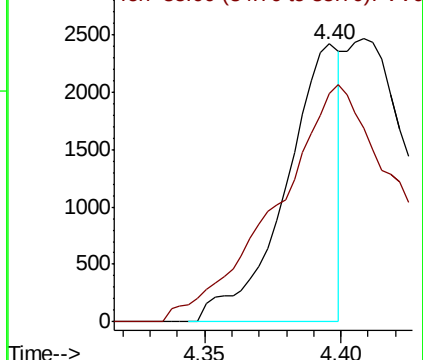
83 100

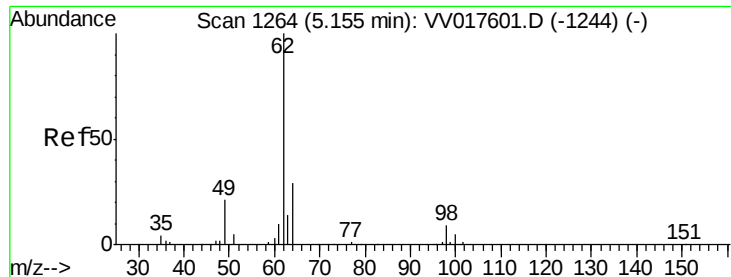
85 82.2 47.3 87.9



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 0.288 ug/L

RT: 5.17 min Scan# 1269

Delta R.T. 0.02 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

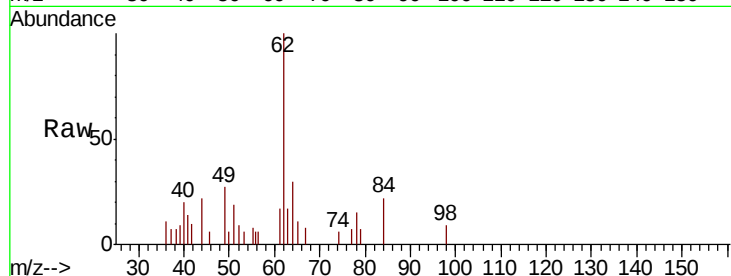
MDL06

Tot Ion: 62 Resp: 4630

Ion Ratio Lower Upper

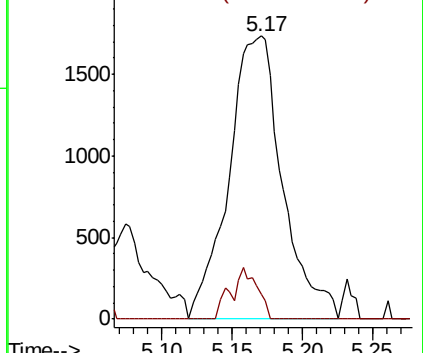
62 100

98 8.6 7.0 10.6

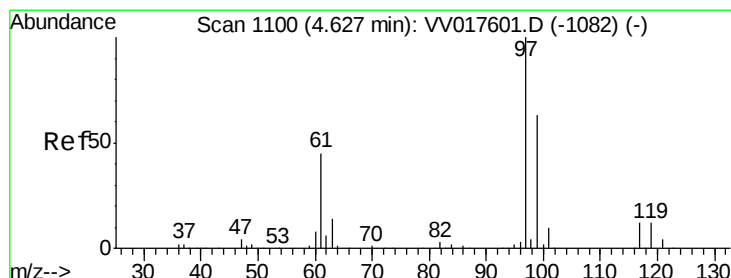
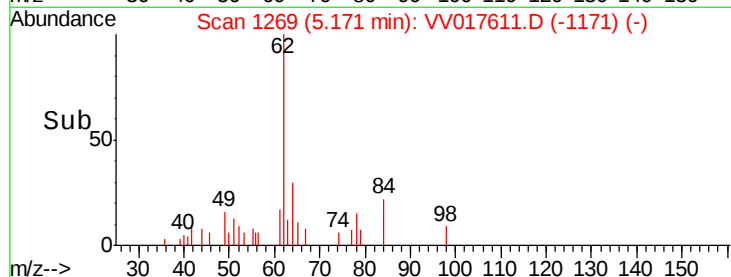


Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0



Time-->



#29

1,1,1-Trichloroethane

Concen: 0.238 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:14

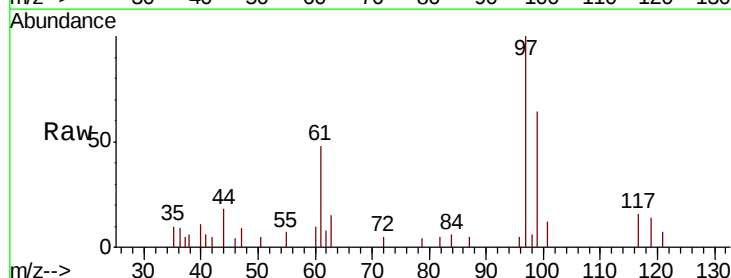
Tgt Ion: 97 Resp: 5728

Ion Ratio Lower Upper

97 100

99 72.1 50.6 76.0

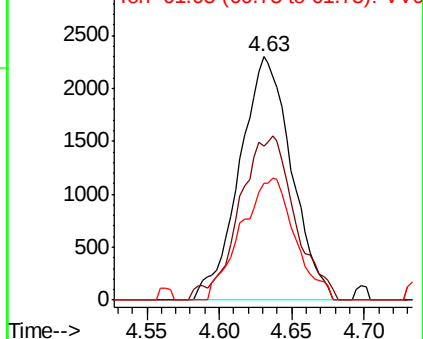
61 51.9 35.7 53.5



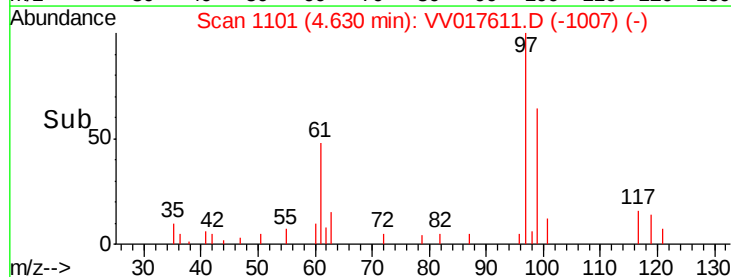
Abundance Ion 96.95 (96.65 to 97.65): VV0

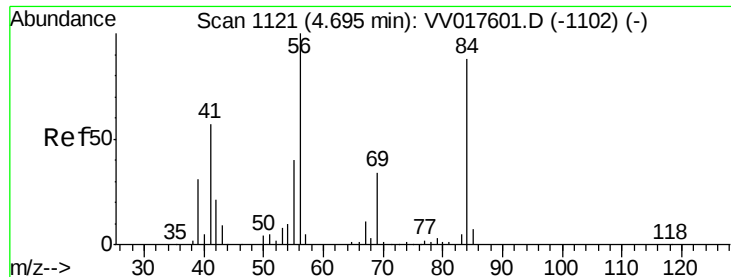
Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



Time-->

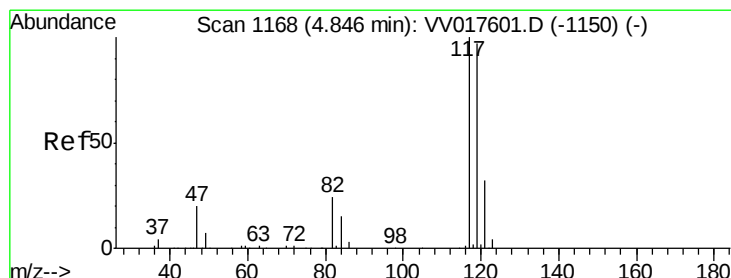
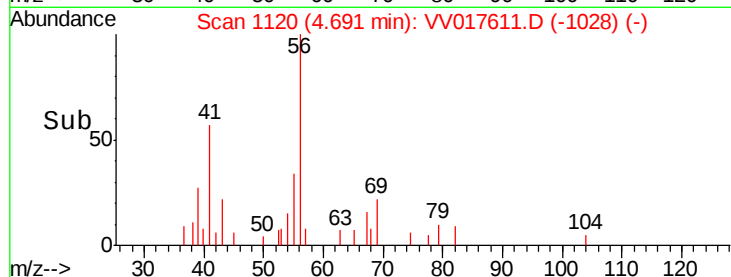
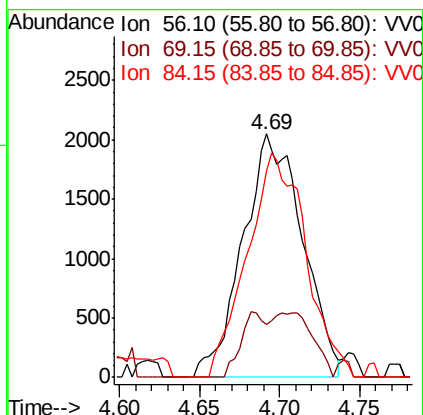
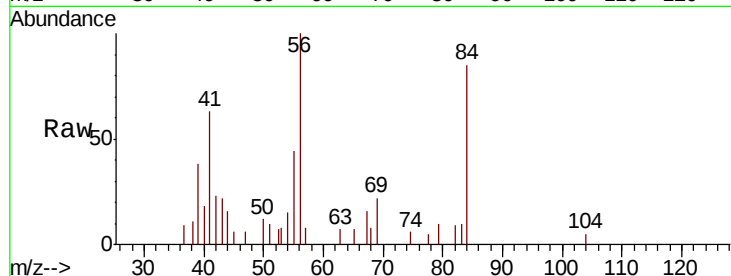




#30
Cvclohexane
Concen: 0.277 ug/L
RT: 4.69 min Scan# 1120
Delta R.T. -0.00 min
Lab File: VV017611.D
Acq: 23 Jul 2020 18:14

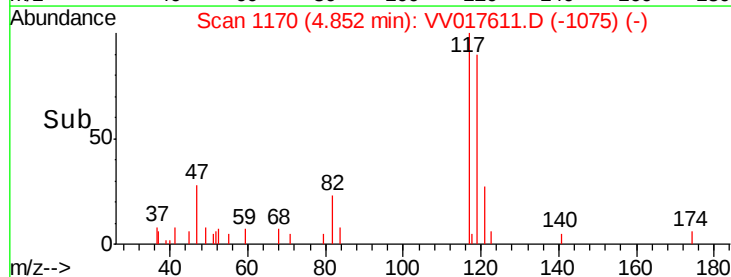
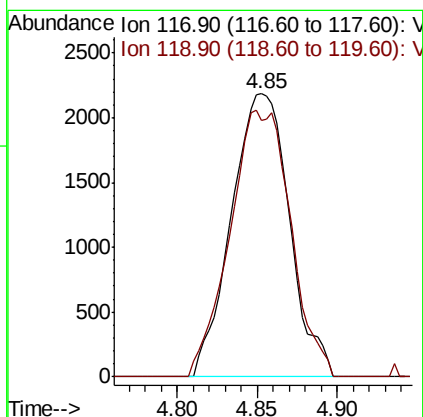
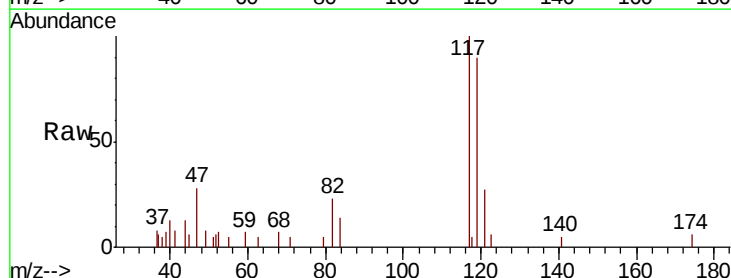
Instrument :
MSVOA_V
ClientSampleId :
MDL06

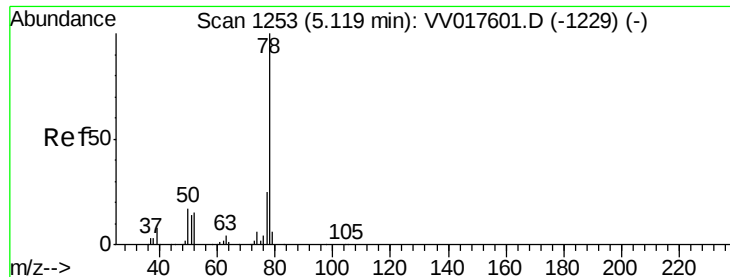
Tot Ion: 56 Resp: 5279
Ion Ratio Lower Upper
56 100
69 10.9 25.4 38.2#
84 90.6 73.0 109.4



#31
Carbon tetrachloride
Concen: 0.254 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. 0.01 min
Lab File: VV017611.D
Acq: 23 Jul 2020 18:14

Tgt Ion: 117 Resp: 5440
Ion Ratio Lower Upper
117 100
119 98.4 76.9 115.3





#33

Benzene

Concen: 0.250 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:14

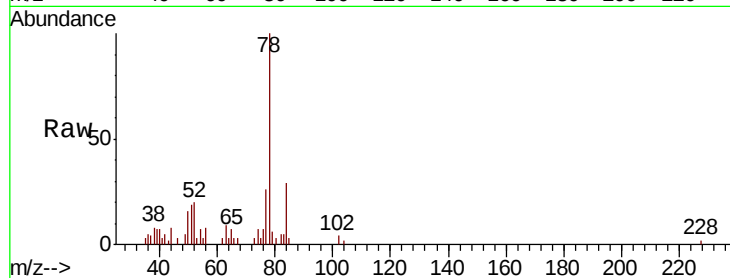
Instrument :

MSVOA_V

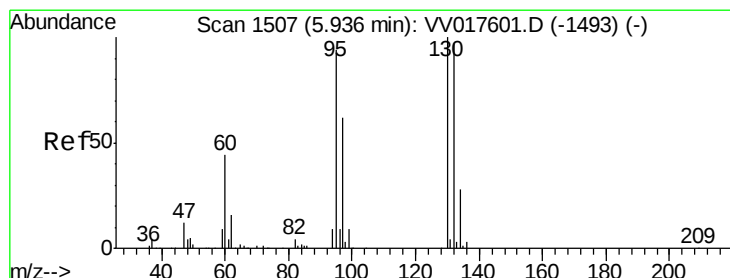
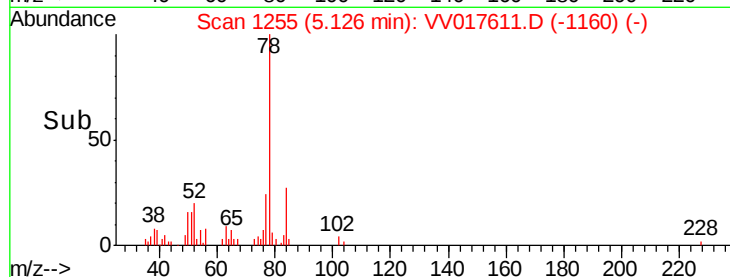
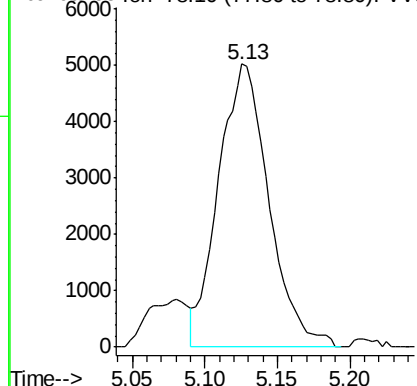
ClientSampleId :

MDL06

Tgt Ion: 78 Resp: 12150



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.296 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:14

Tgt Ion: 95 Resp: 4019

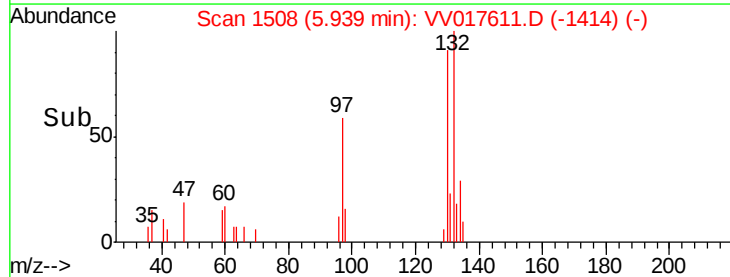
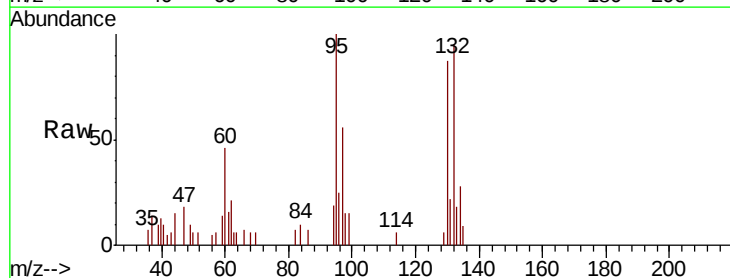
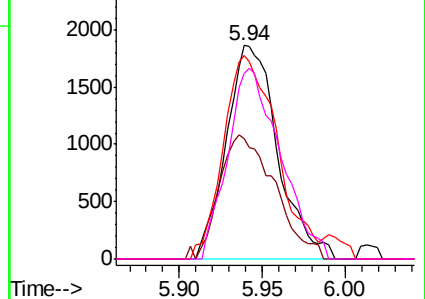
Ion	Ratio	Lower	Upper
95	100		
97	56.4	46.1	85.5
132	95.5	71.7	133.1
130	87.1	74.3	137.9

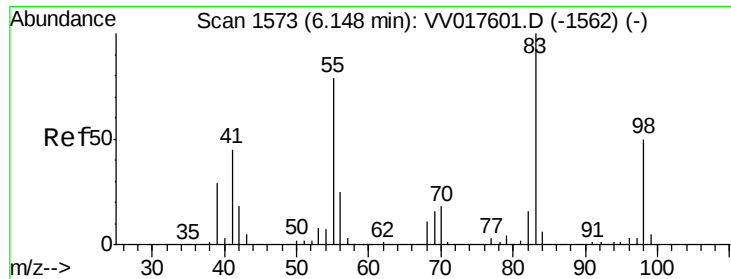
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

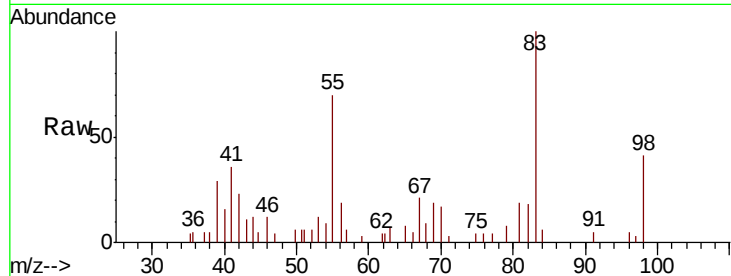




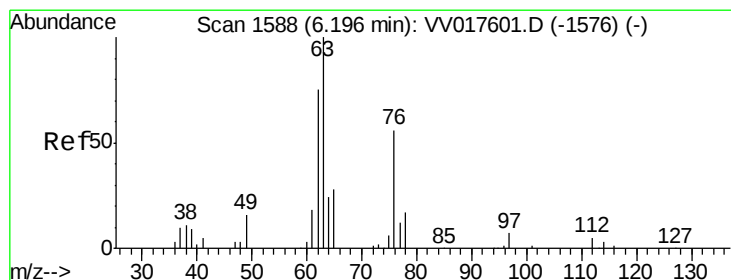
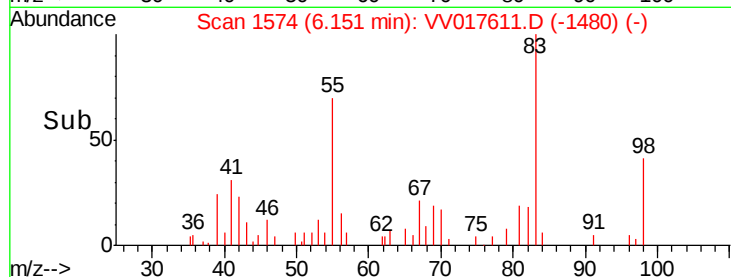
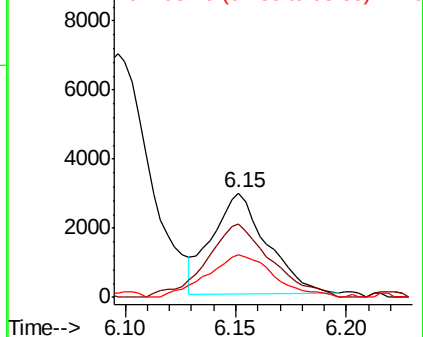
#35
Methvlcvclohexane
Concen: 0.246 ug/L
RT: 6.15 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VV017611.D
Acq: 23 Jul 2020 18:14

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion: 83 Resp: 5056
Ion Ratio Lower Upper
83 100
55 84.7 61.8 92.8
98 51.2 39.0 58.6

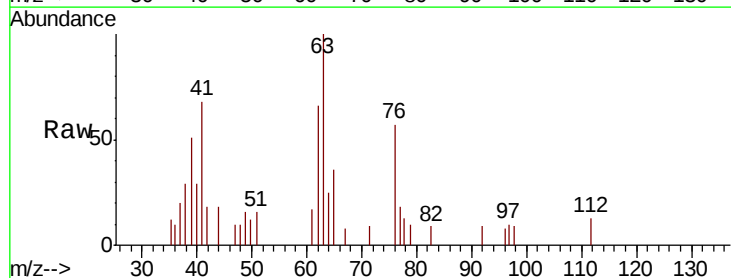


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

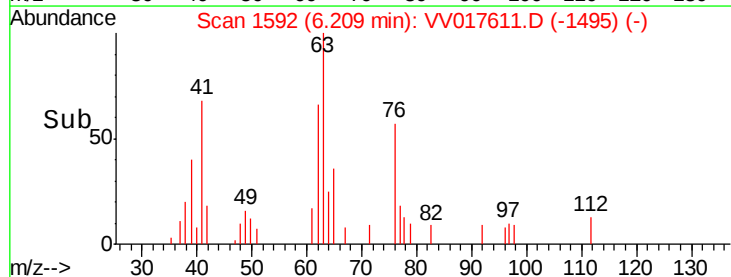
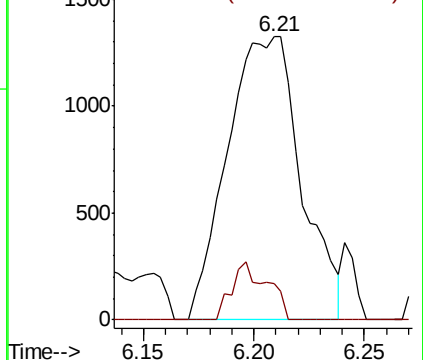


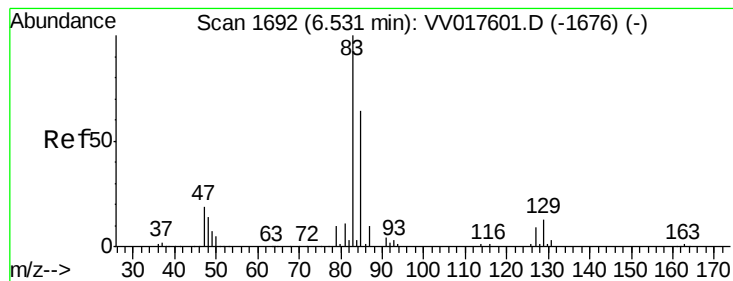
#37
1,2-Dichloropropane
Concen: 0.268 ug/L
RT: 6.21 min Scan# 1592
Delta R.T. 0.01 min
Lab File: VV017611.D
Acq: 23 Jul 2020 18:14

Tgt Ion: 63 Resp: 3069
Ion Ratio Lower Upper
63 100
112 9.8 4.5 6.7#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 0.255 ug/L

RT: 6.54 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

MDL06

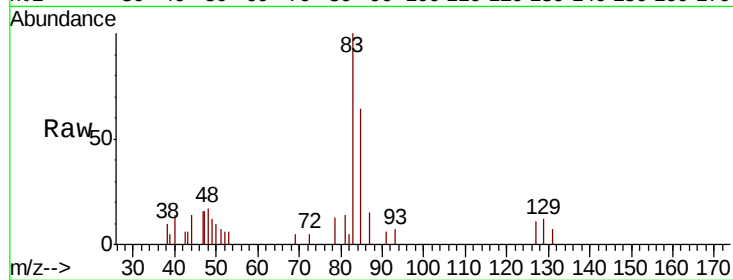
Tot Ion: 83 Resp: 4294

Ion Ratio Lower Upper

83 100

85 64.3 44.7 83.1

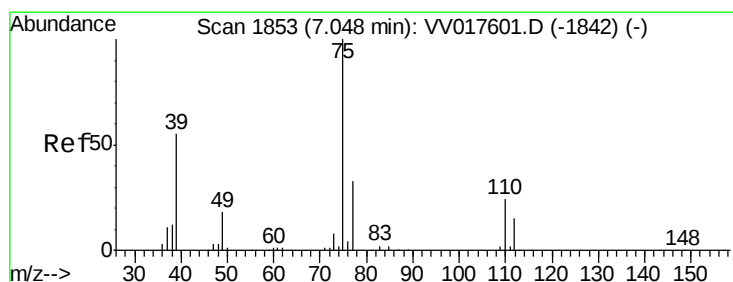
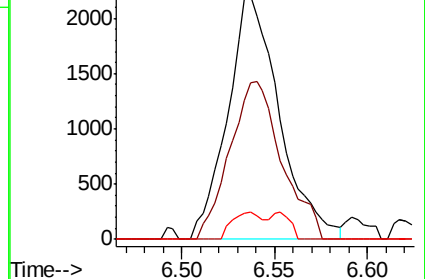
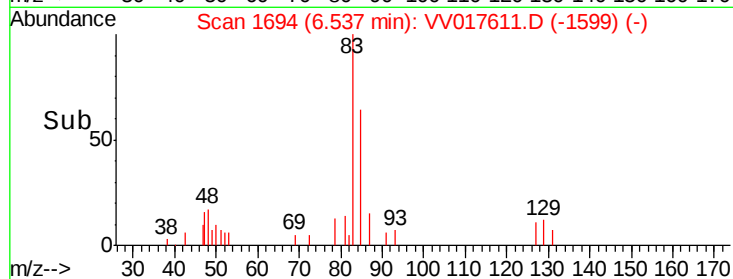
127 11.2 7.4 11.0#



Abundance Ion 82.95 (82.65 to 83.65): VV017611.D (-1599) (-)

Ion 85.00 (84.70 to 85.70): VV017611.D (-1599) (-)

Ion 126.90 (126.60 to 127.60): VV017611.D (-1599) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.256 ug/L

RT: 7.05 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VV017611.D

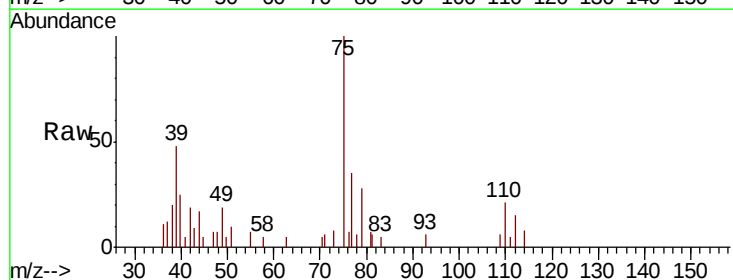
Acq: 23 Jul 2020 18:14

Tgt Ion: 75 Resp: 4415

Ion Ratio Lower Upper

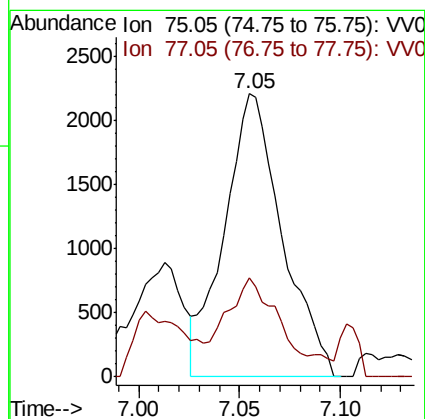
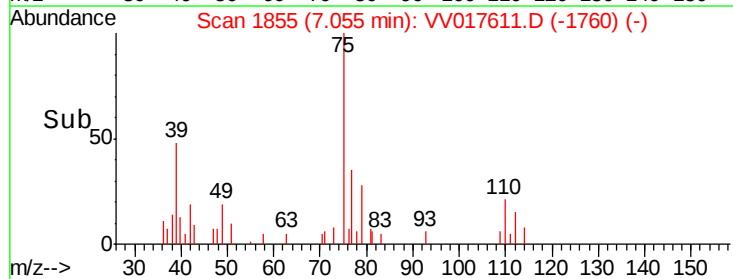
75 100

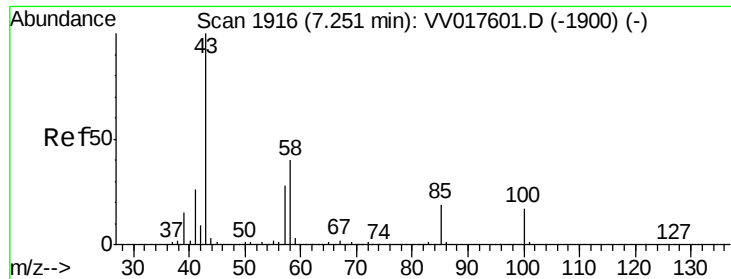
77 34.9 23.2 43.2



Abundance Ion 75.05 (74.75 to 75.75): VV017611.D (-1760) (-)

Ion 77.05 (76.75 to 77.75): VV017611.D (-1760) (-)

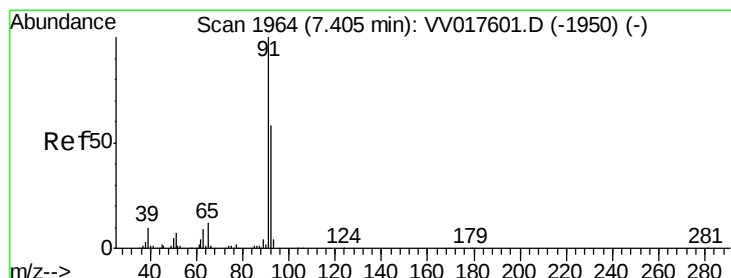
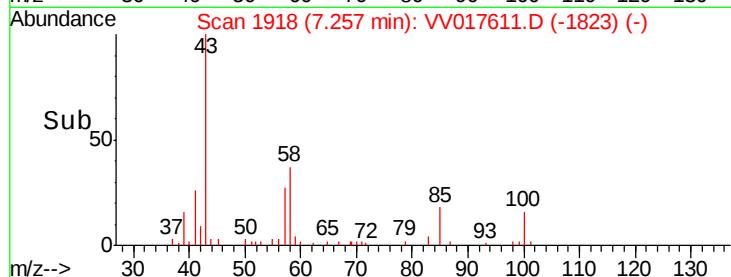
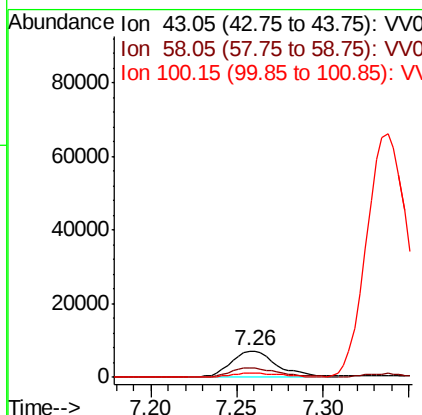
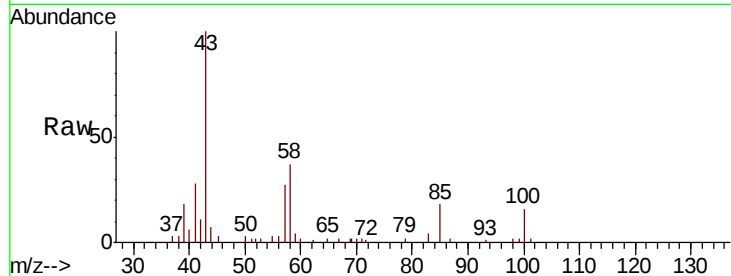




#40
4-Methyl-2-pentanone
Concen: 2.173 ug/L
RT: 7.26 min Scan# 1918
Delta R.T. 0.01 min
Lab File: VV017611.D
Acq: 23 Jul 2020 18:14

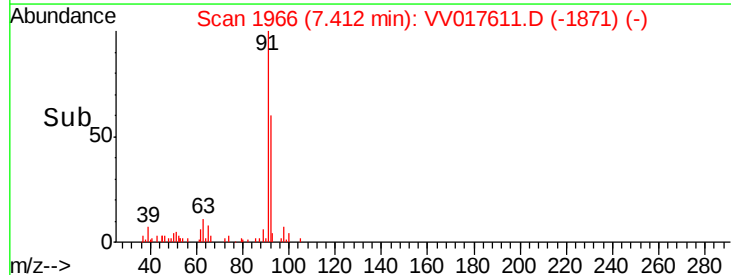
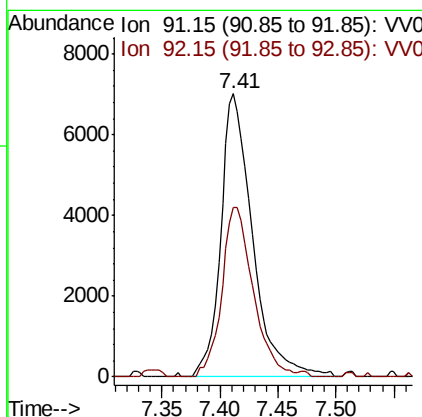
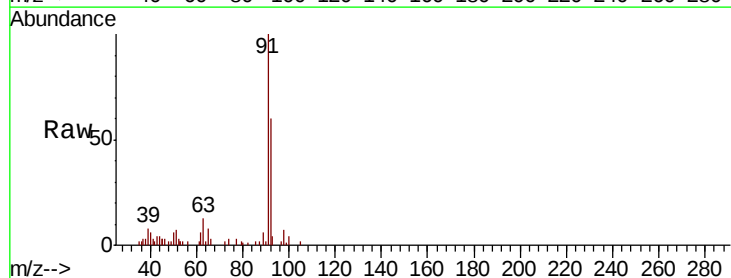
Instrument :
MSVOA_V
ClientSampleId :
MDL06

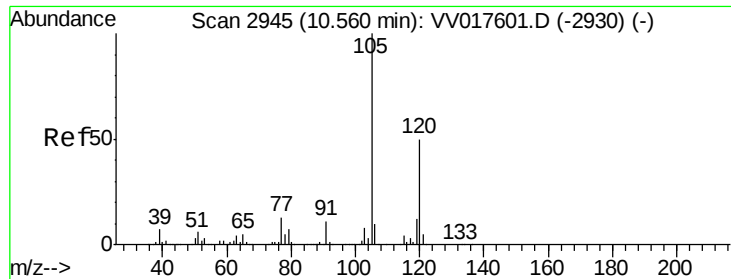
Tot Ion: 43 Resp: 13622
Ion Ratio Lower Upper
43 100
58 38.7 31.2 46.8
100 0.0 13.6 20.4#



#42
Toluene
Concen: 0.252 ug/L
RT: 7.41 min Scan# 1966
Delta R.T. 0.01 min
Lab File: VV017611.D
Acq: 23 Jul 2020 18:14

Tgt Ion: 91 Resp: 13389
Ion Ratio Lower Upper
91 100
92 59.7 40.8 75.8





#43

1,3,5-Trimethylbenzene

Concen: 0.206 ug/L

RT: 10.56 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

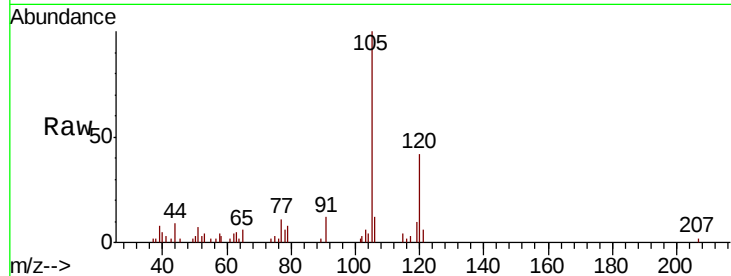
MDL06

Tot Ion:105 Resp: 10194

Ion Ratio Lower Upper

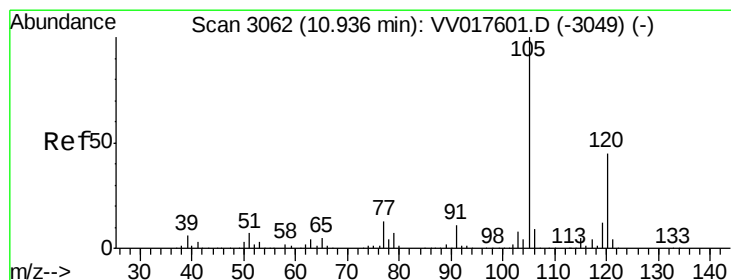
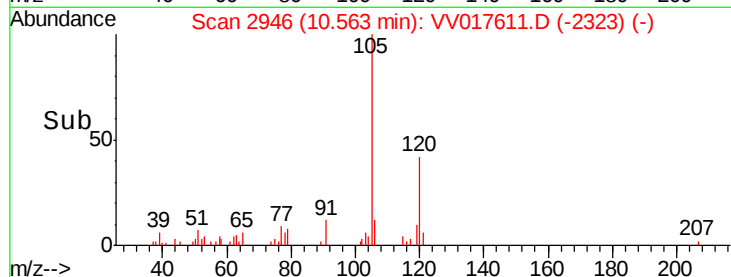
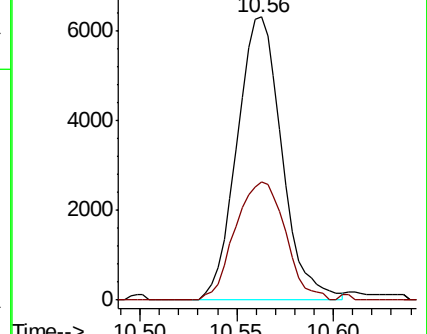
105 100

120 46.6 39.4 59.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#44

1,2,4-Trimethylbenzene

Concen: 0.196 ug/L

RT: 10.94 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VV017611.D

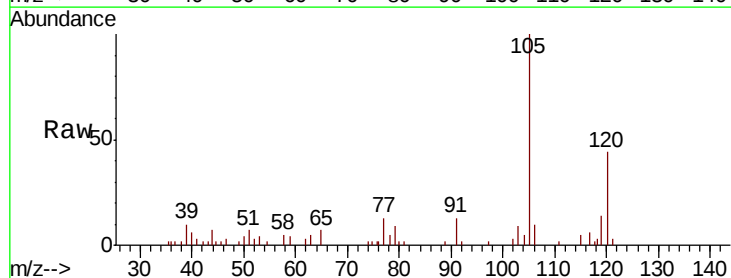
Acq: 23 Jul 2020 18:14

Tgt Ion:105 Resp: 9908

Ion Ratio Lower Upper

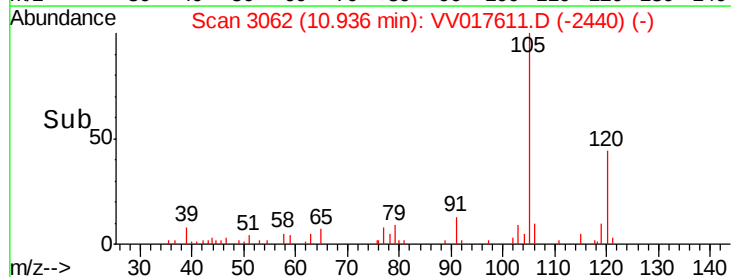
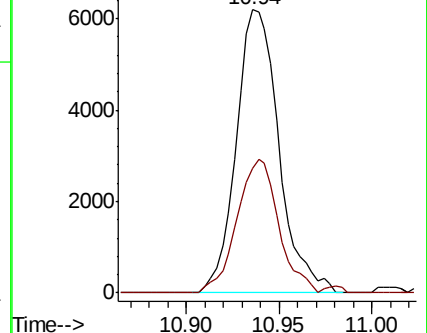
105 100

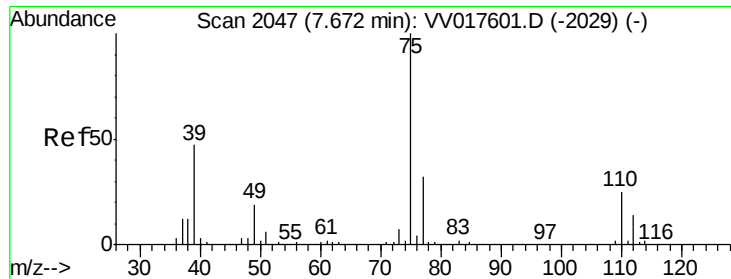
120 46.0 35.9 53.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#46

trans-1,3-Dichloropropene

Concen: 0.212 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

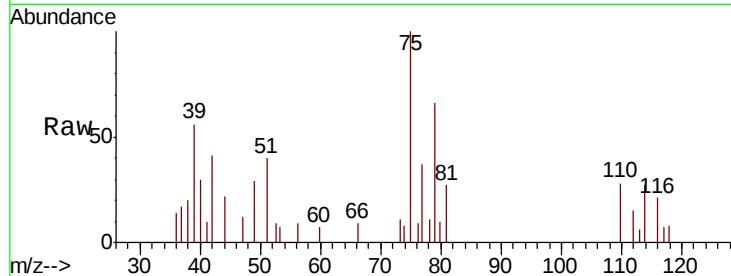
MDL06

Tot Ion: 75 Resp: 3286

Ion Ratio Lower Upper

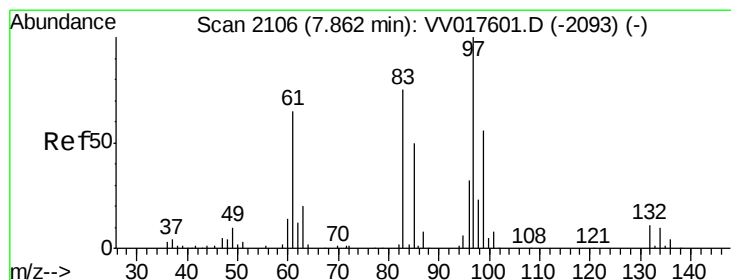
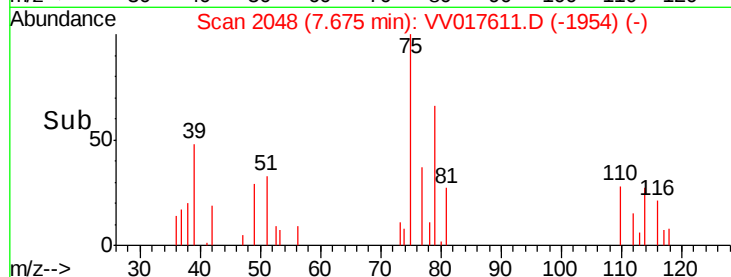
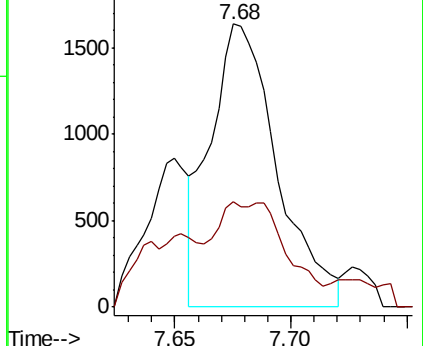
75 100

77 37.2 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#47

1,1,2-Trichloroethane

Concen: 0.119 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:14

Tgt Ion: 97 Resp: 1030

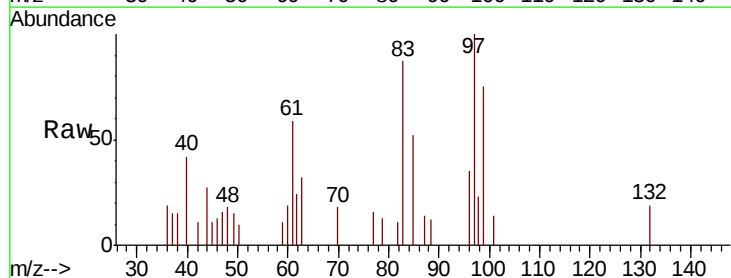
Ion Ratio Lower Upper

97 100

99 75.0 39.5 73.4#

83 86.8 52.6 97.6

85 51.6 35.1 65.1

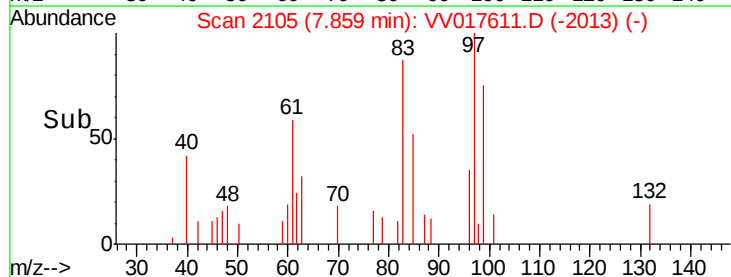
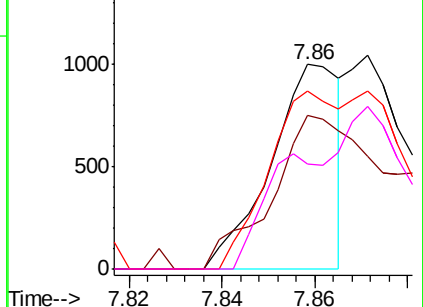


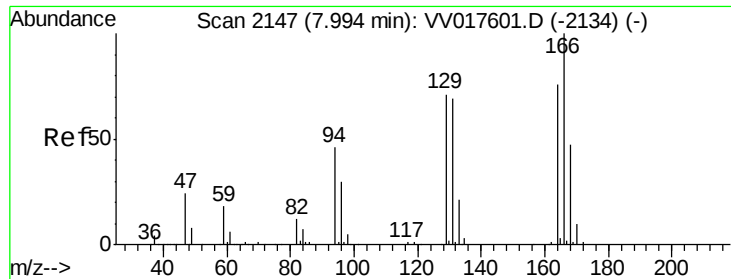
Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0





#49

Tetrachloroethene

Concen: 0.249 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion:164 Resp: 2987

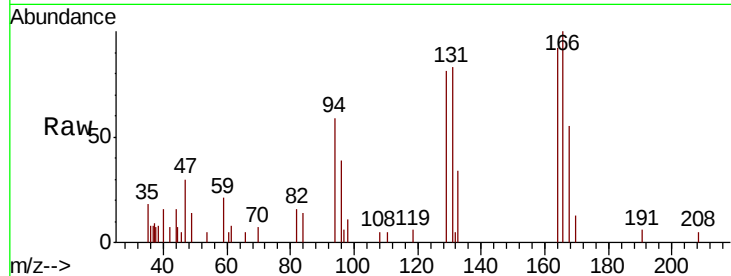
Ion Ratio Lower Upper

164 100

129 88.3 65.0 120.8

131 91.1 63.6 118.2

166 109.3 91.7 170.3

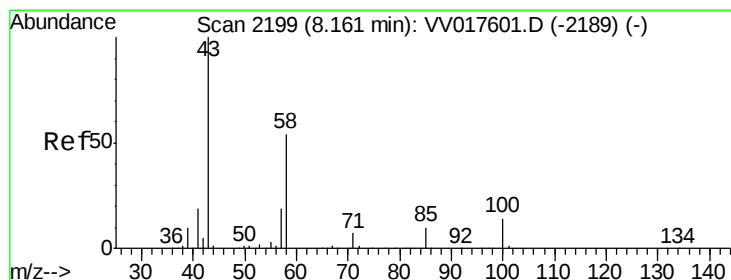
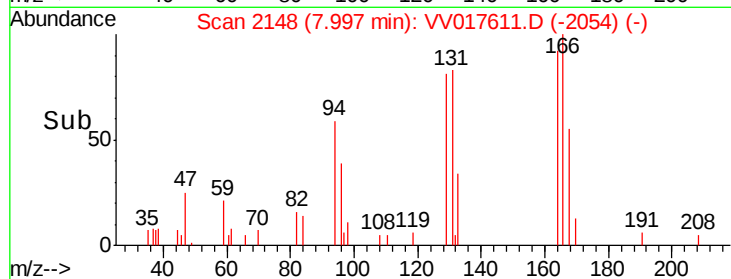
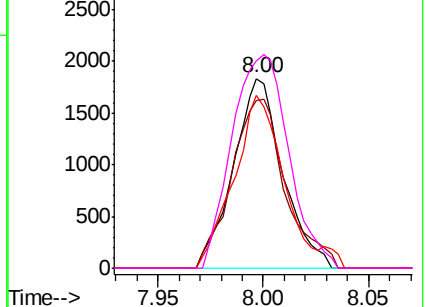


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#50

2-Hexanone

Concen: 3.415 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:14

Tgt Ion: 43 Resp: 15145

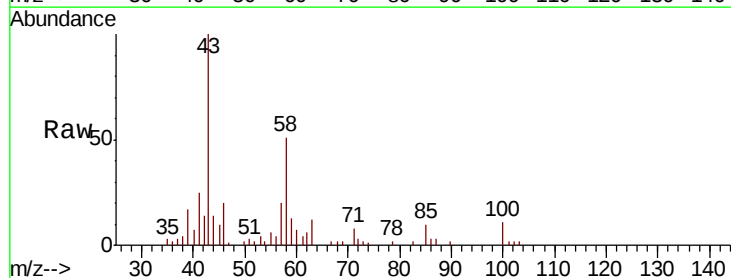
Ion Ratio Lower Upper

43 100

58 51.9 41.6 62.4

57 19.3 15.4 23.0

100 12.2 11.2 16.8

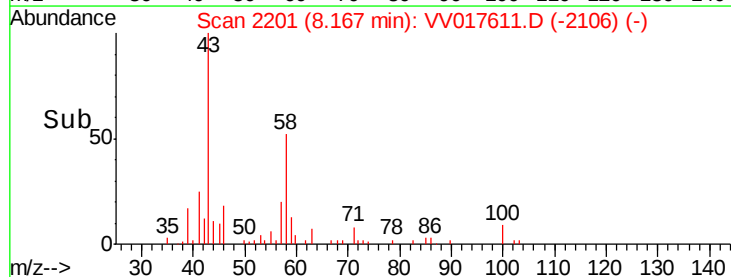
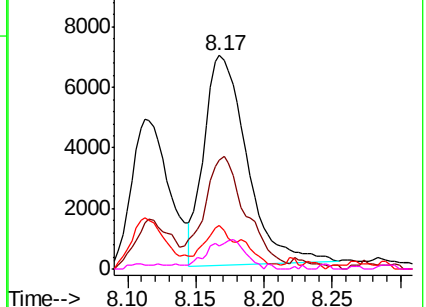


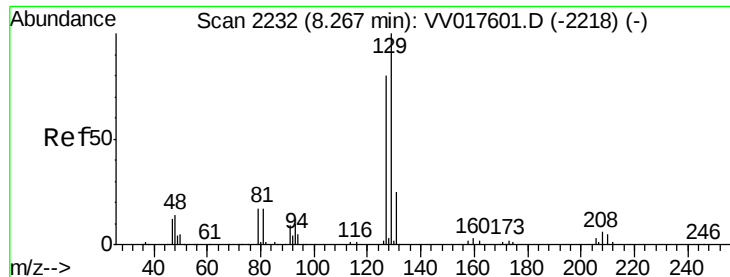
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#51

Dibromochloromethane

Concen: 0.266 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. -0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

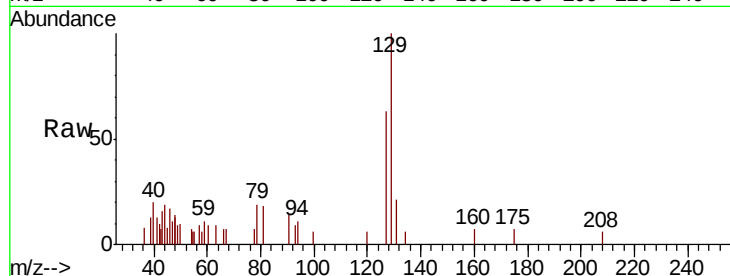
MDL06

Tot Ion:129 Resp: 2932

Ion Ratio Lower Upper

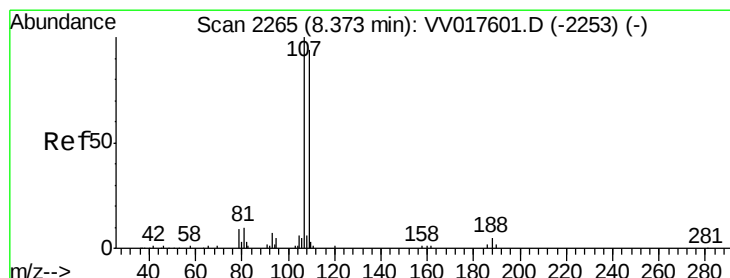
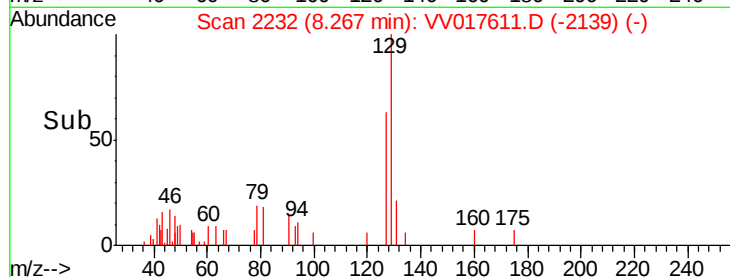
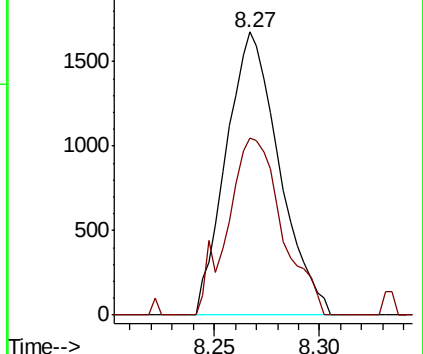
129 100

127 62.6 56.3 104.5



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#52

1,2-Dibromoethane

Concen: 0.235 ug/L

RT: 8.38 min Scan# 2267

Delta R.T. 0.01 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:14

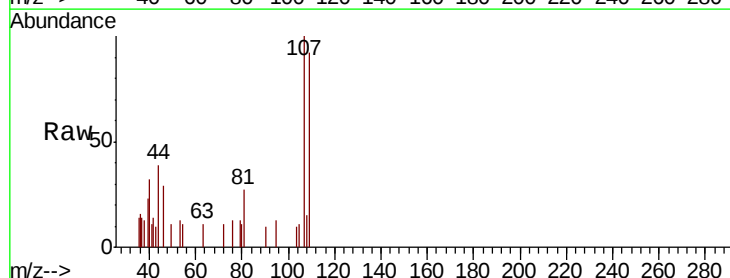
Tgt Ion:107 Resp: 1926

Ion Ratio Lower Upper

107 100

109 92.0 65.5 121.7

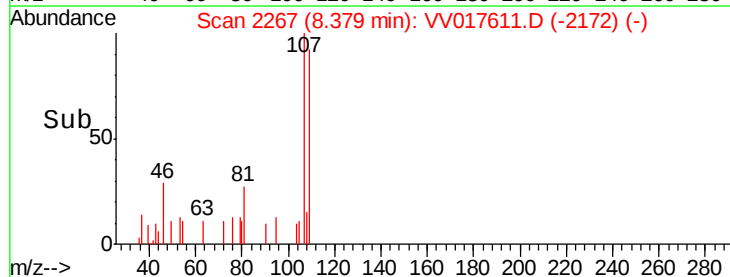
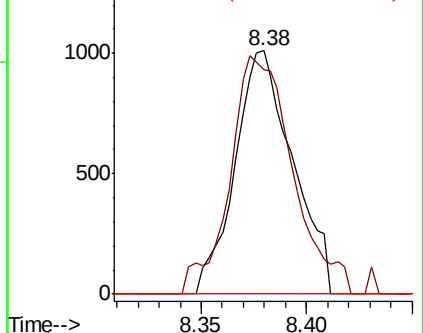
188 0.0 3.7 5.5#

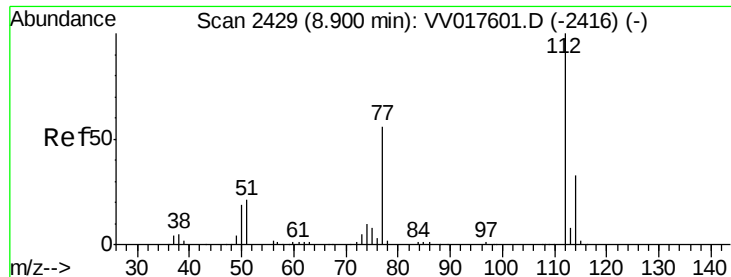


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V





#53

Chlorobenzene

Concen: 0.259 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

MDL06

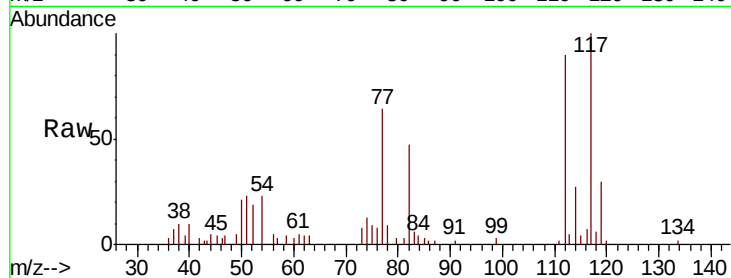
Tot Ion:112 Resp: 9175

Ion Ratio Lower Upper

112 100

114 29.7 23.2 43.2

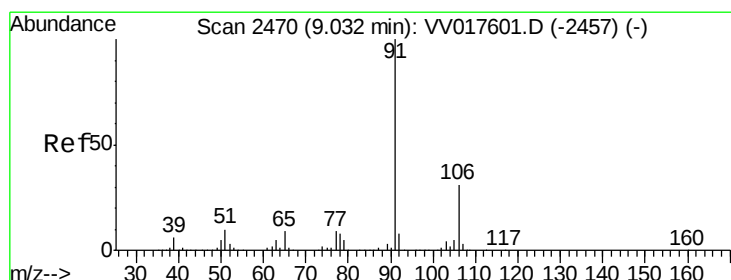
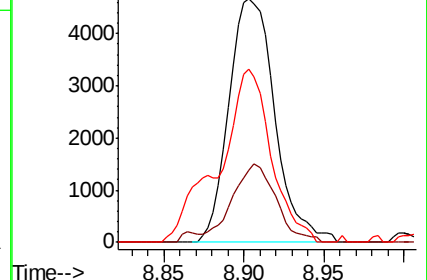
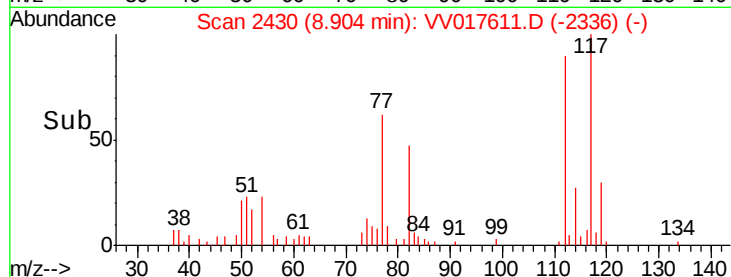
77 71.1 45.6 68.4#



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#54

Ethylbenzene

Concen: 0.230 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV017611.D

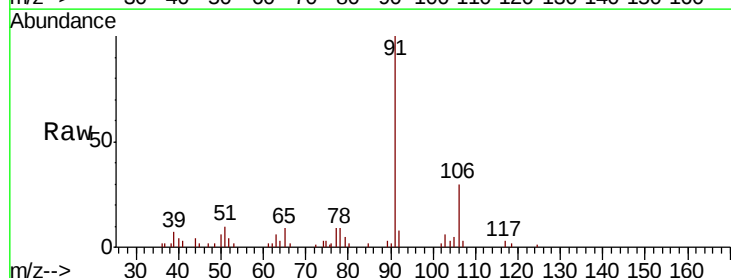
Acq: 23 Jul 2020 18:14

Tgt Ion: 91 Resp: 13683

Ion Ratio Lower Upper

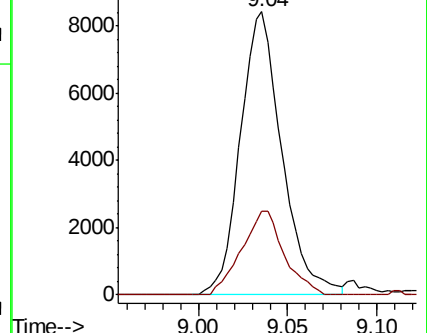
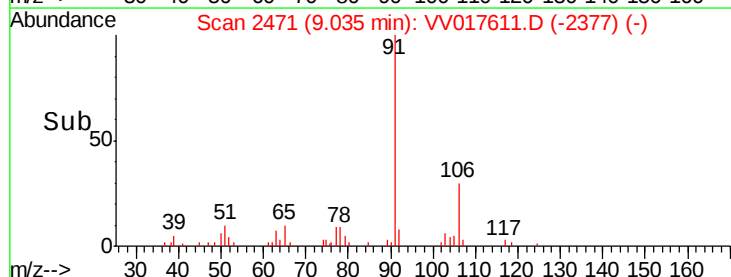
91 100

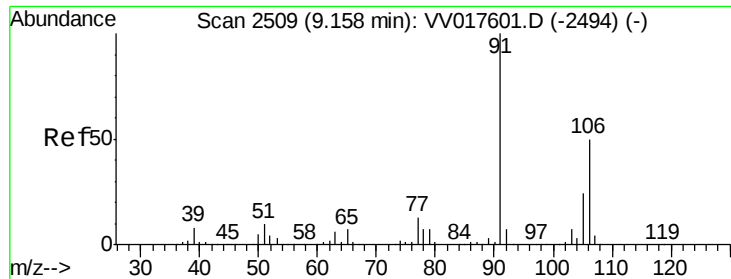
106 29.8 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): V

Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 0.235 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:14

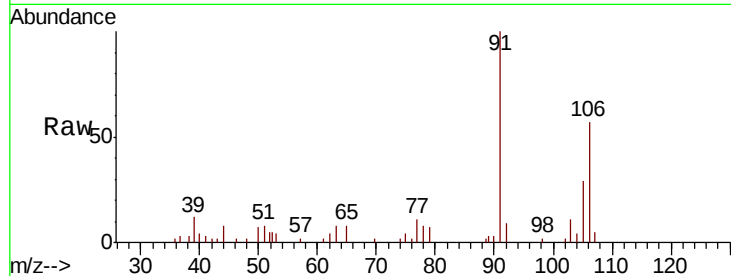
Instrument :
MSVOA_V
ClientSampled :
MDL06

Tot Ion:106 Resp: 5269

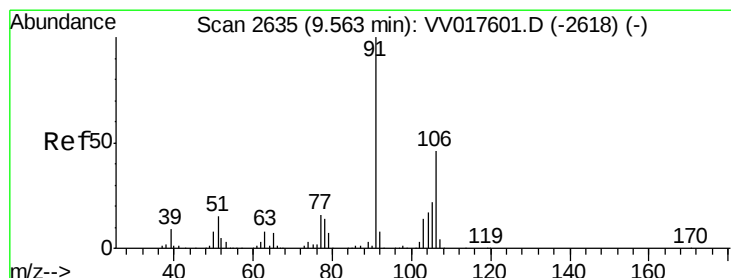
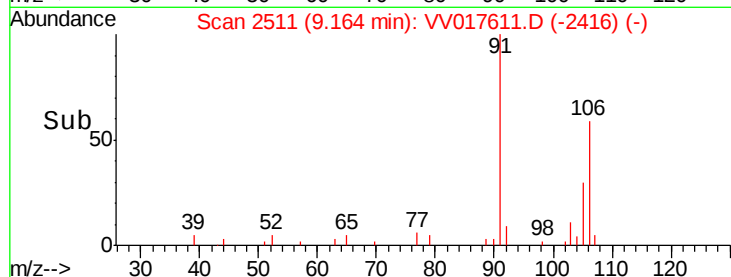
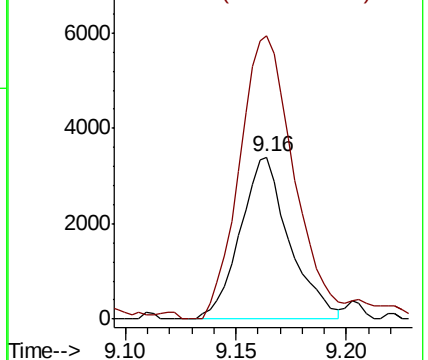
Ion Ratio Lower Upper

106 100

91 174.4 141.3 262.3



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



#56

o-xylene

Concen: 0.240 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV017611.D

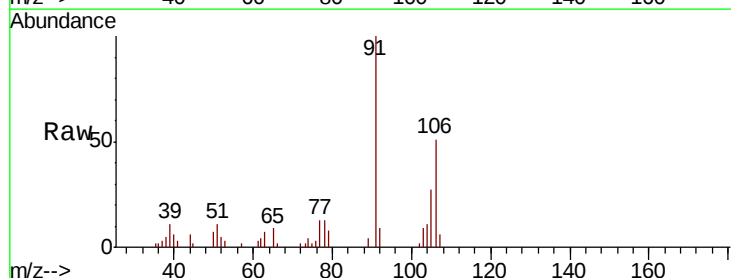
Acq: 23 Jul 2020 18:14

Tgt Ion:106 Resp: 5206

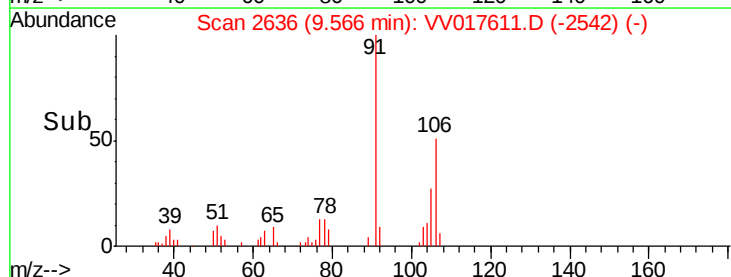
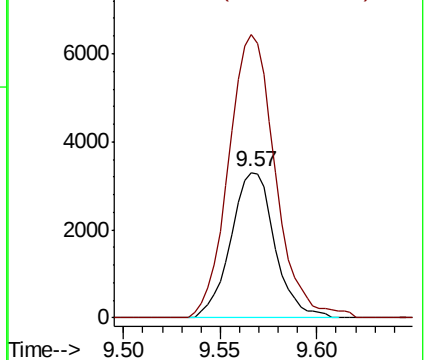
Ion Ratio Lower Upper

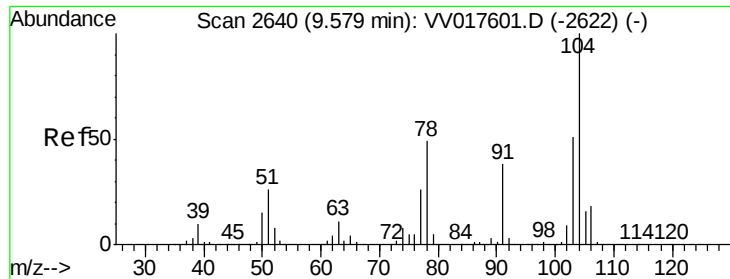
106 100

91 194.2 153.9 285.7



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

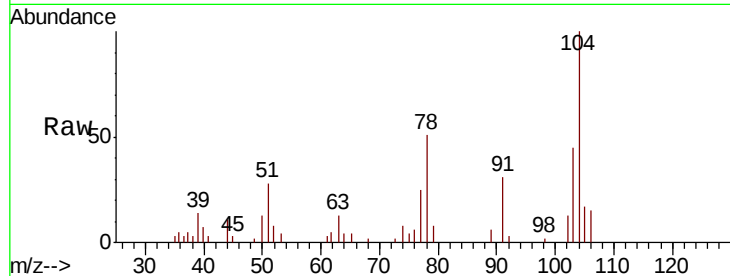




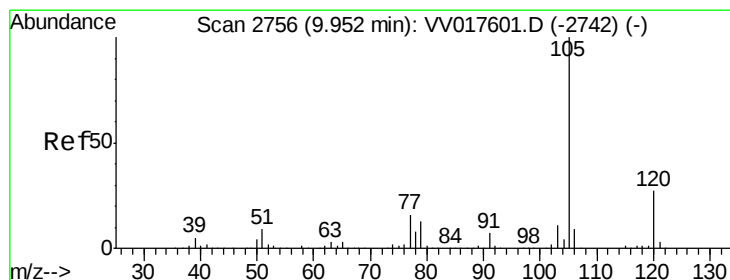
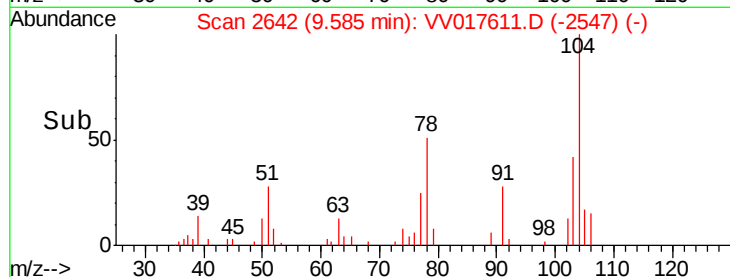
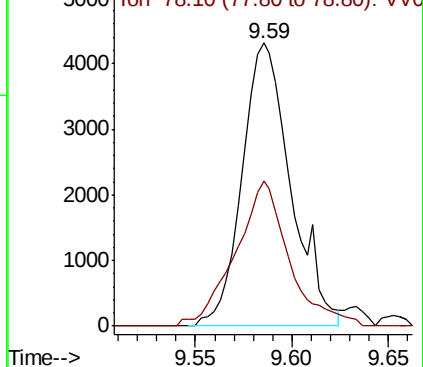
#57
Stvrene
Concen: 0.210 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.01 min
Lab File: VV017611.D
Acq: 23 Jul 2020 18:14

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion:104 Resp: 7604
Ion Ratio Lower Upper
104 100
78 51.5 34.0 63.2

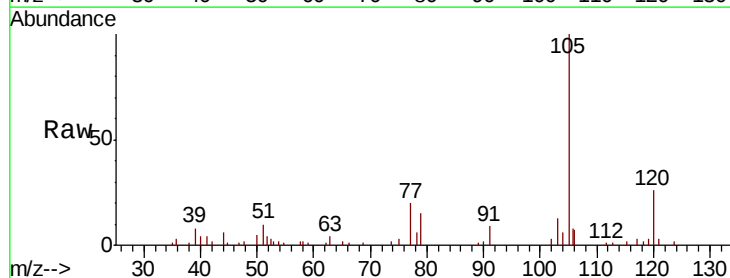


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0

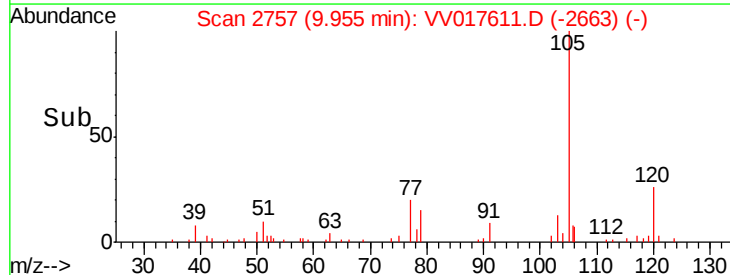
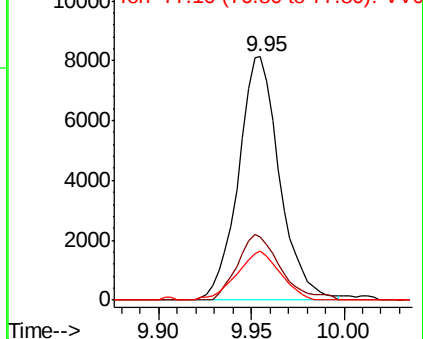


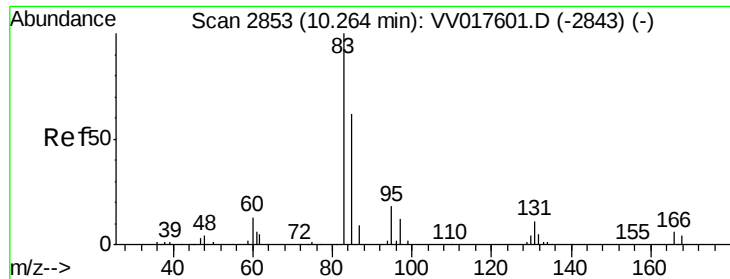
#58
Isopropylbenzene
Concen: 0.210 ug/L
RT: 9.95 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VV017611.D
Acq: 23 Jul 2020 18:14

Tgt Ion:105 Resp: 12579
Ion Ratio Lower Upper
105 100
120 27.9 21.1 31.7
77 21.2 13.0 19.6#



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): VV0





#60

1,1,2,2-Tetrachloroethane

Concen: 0.277 ug/L

RT: 10.27 min Scan# 2854

Delta R.T. 0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:14

Instrument :

MSVOA_V

ClientSampled :

MDL06

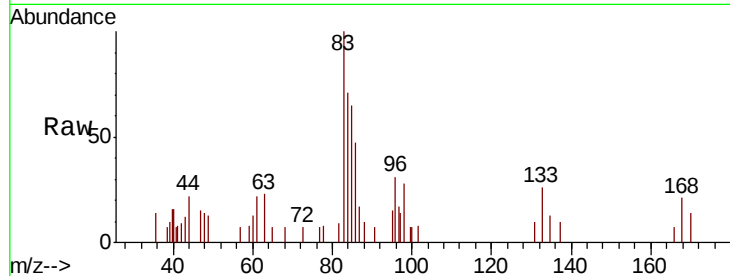
Tot Ion: 83 Resp: 2621

Ion Ratio Lower Upper

83 100

85 64.7 44.4 82.5

131 10.0 9.2 13.8

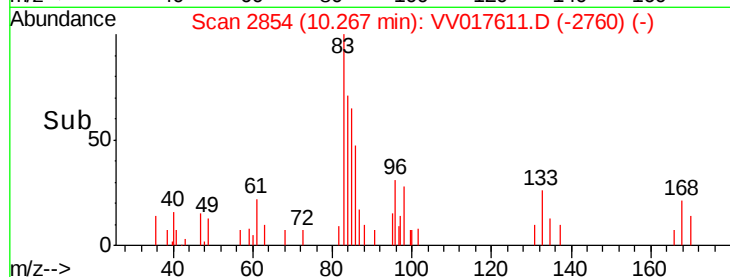


Abundance Ion 82.95 (82.65 to 83.65): VV017601.D (-2843) (-)

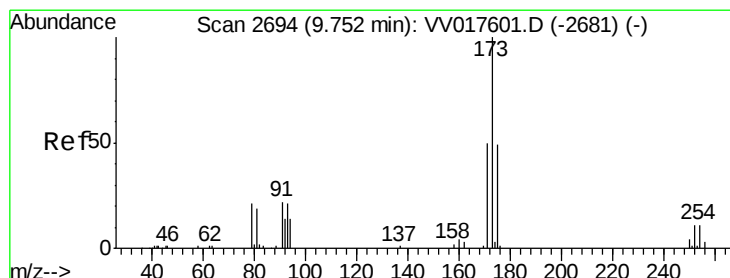
Ion 85.00 (84.70 to 85.70): VV017601.D (-2843) (-)

Ion 130.95 (130.65 to 131.65): VV017601.D (-2843) (-)

Time-->



Time-->



#62

Bromoform

Concen: 0.272 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:14

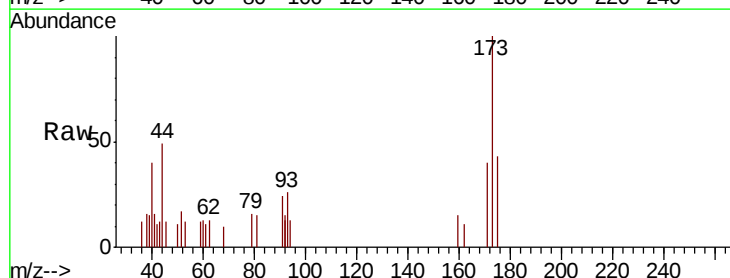
Tgt Ion: 173 Resp: 1506

Ion Ratio Lower Upper

173 100

175 51.5 39.6 59.4

254 0.0 8.4 12.6#

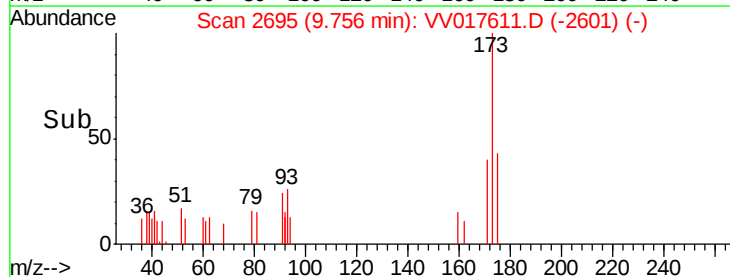


Abundance Ion 172.90 (172.60 to 173.60): VV017601.D (-2681) (-)

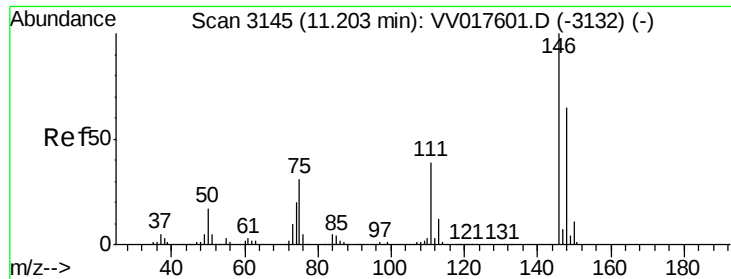
Ion 174.90 (174.60 to 175.60): VV017601.D (-2681) (-)

Ion 253.75 (253.45 to 254.45): VV017601.D (-2681) (-)

Time-->



Time-->



#63

1,3-Dichlorobenzene

Concen: 0.273 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

MDL06

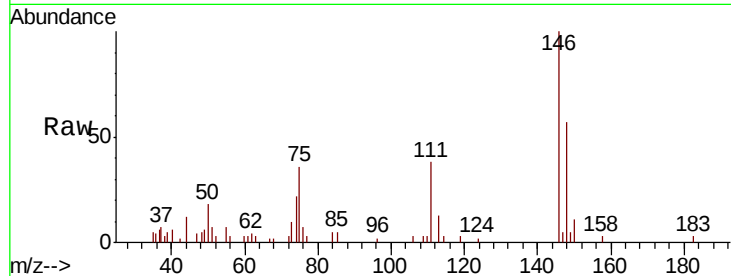
Tot Ion:146 Resp: 7620

Ion Ratio Lower Upper

146 100

111 38.5 27.3 50.7

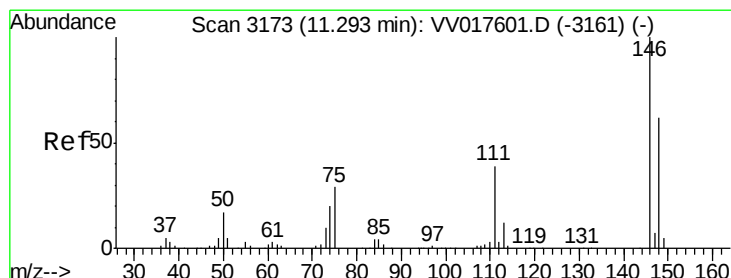
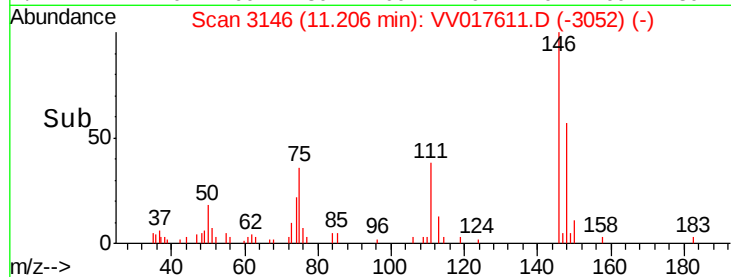
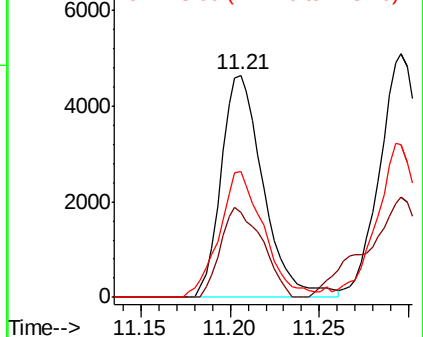
148 57.0 45.6 84.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 0.307 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:14

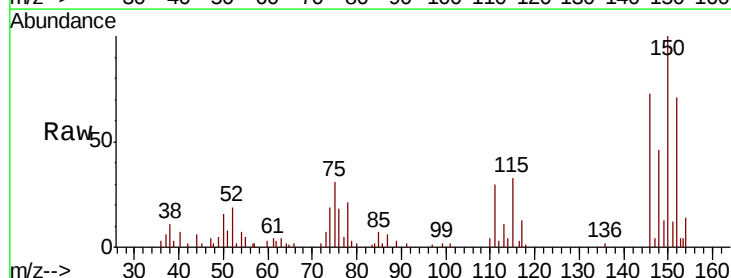
Tgt Ion:146 Resp: 8582

Ion Ratio Lower Upper

146 100

111 41.3 27.4 51.0

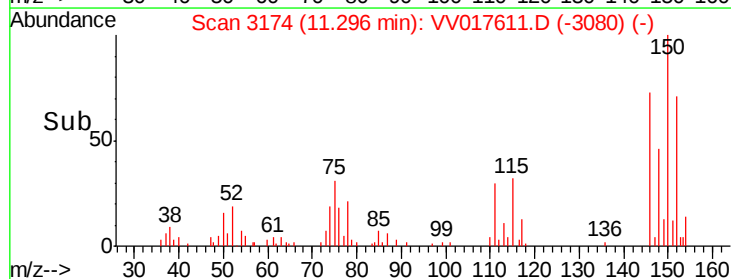
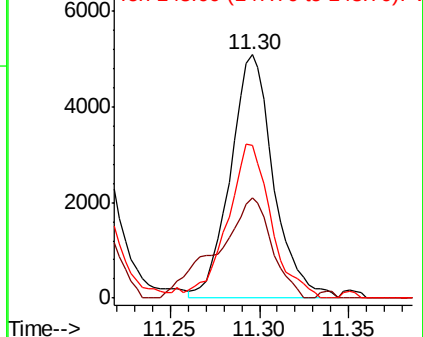
148 62.8 43.8 81.4

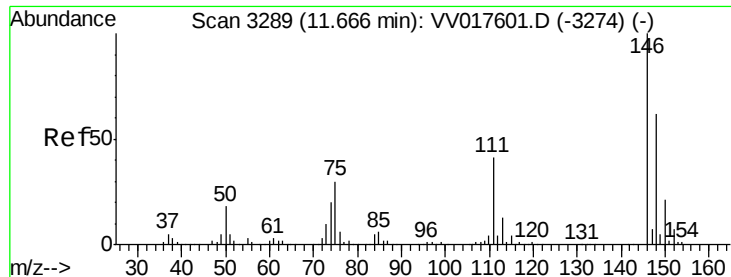


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

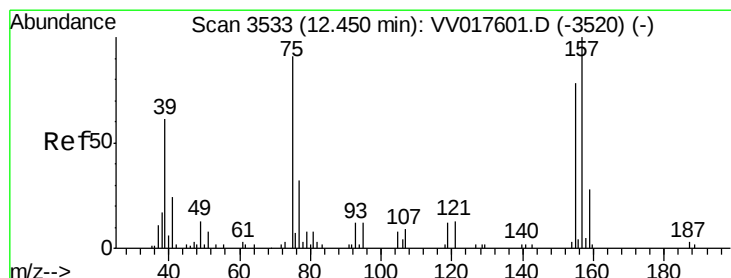
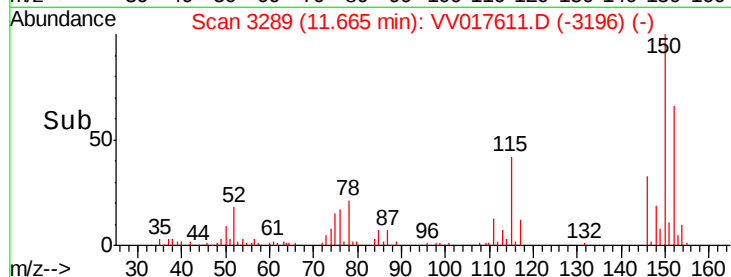
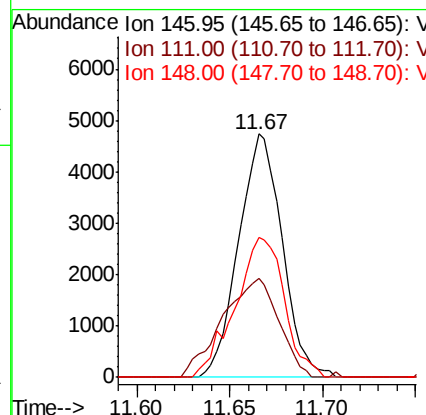
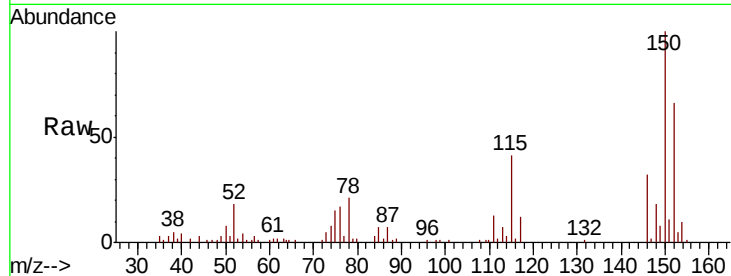




#66
 1,2-Dichlorobenzene
 Concen: 0.305 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV017611.D
 Acq: 23 Jul 2020 18:14

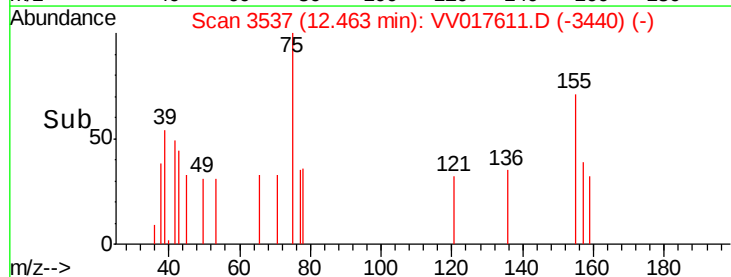
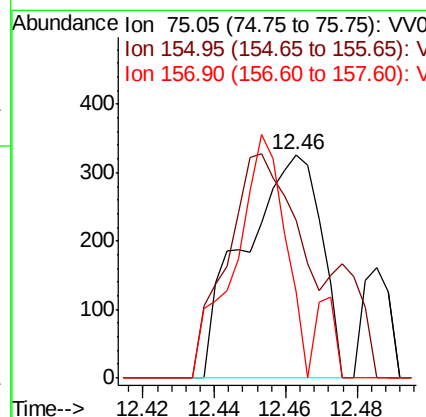
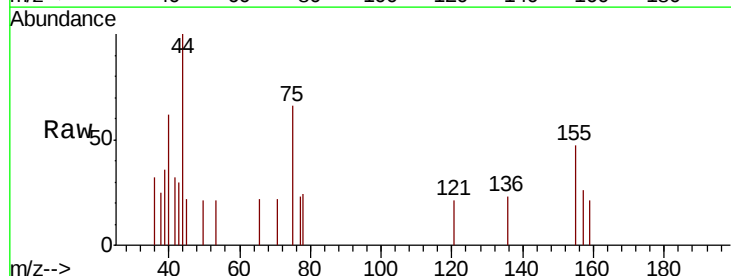
Instrument :
 MSVOA_V
 ClientSampled :
 MDL06

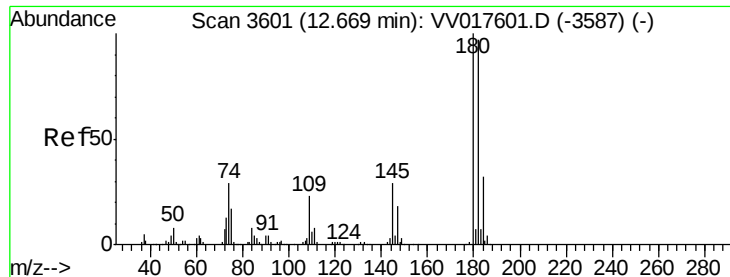
Tot Ion:146 Resp: 7739
 Ion Ratio Lower Upper
 146 100
 111 40.6 33.0 49.4
 148 57.5 49.9 74.9



#67
 1,2-Dibromo-3-chloropropane
 Concen: 0.305 ug/L
 RT: 12.46 min Scan# 3537
 Delta R.T. 0.01 min
 Lab File: VV017611.D
 Acq: 23 Jul 2020 18:14

Tgt Ion: 75 Resp: 484
 Ion Ratio Lower Upper
 75 100
 155 70.9 68.7 103.1
 157 38.7 87.8 131.8#

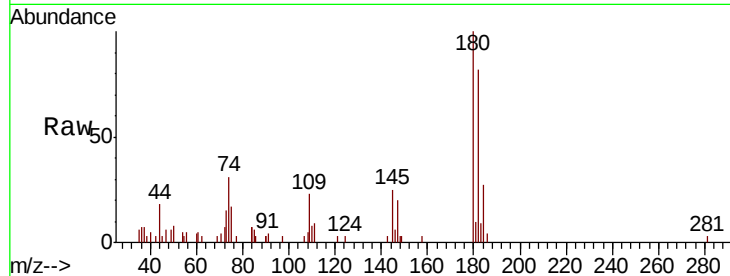




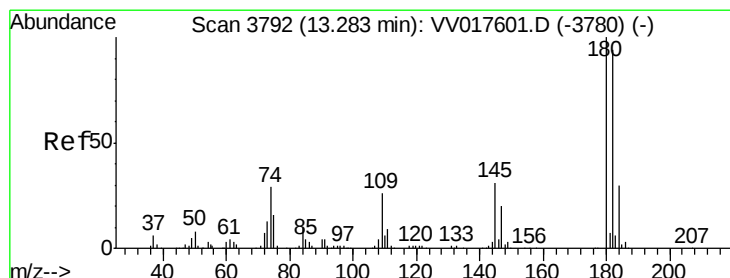
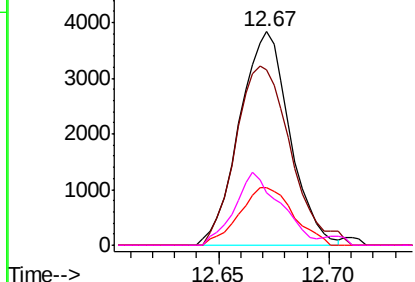
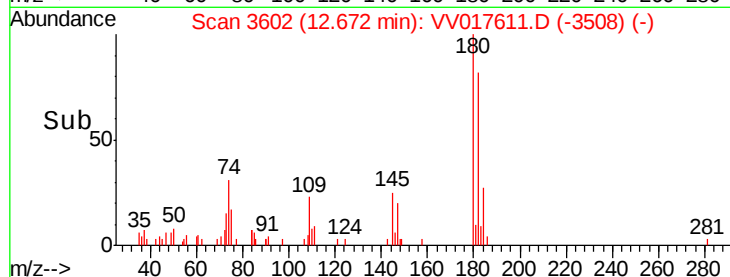
#68
 1,3,5-Trichlorobenzene
 Concen: 0.269 ug/L
 RT: 12.67 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VV017611.D
 Acq: 23 Jul 2020 18:14

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tot Ion:180 Resp: 6088
 Ion Ratio Lower Upper
 180 100
 182 91.4 77.1 115.7
 184 28.8 25.2 37.8
 145 31.3 24.1 36.1

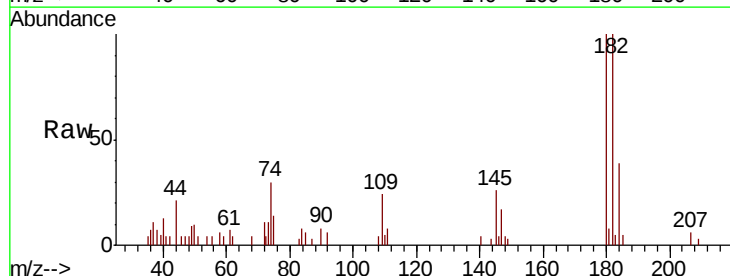


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

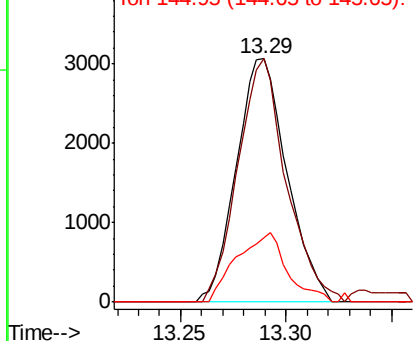
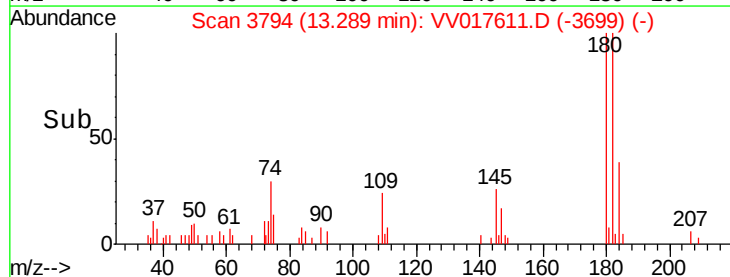


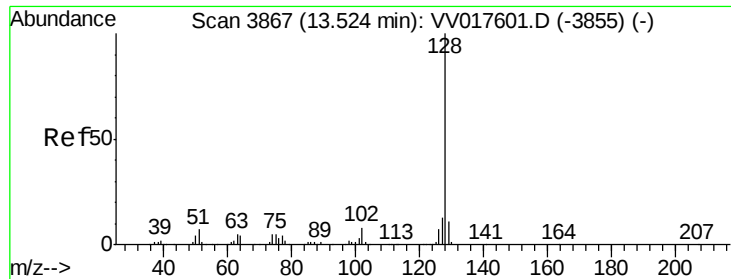
#69
 1,2,4-trichlorobenzene
 Concen: 0.270 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV017611.D
 Acq: 23 Jul 2020 18:14

Tgt Ion:180 Resp: 5106
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.4 113.2
 145 28.3 24.2 36.2



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





#70

Naphthalene

Concen: 0.216 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.01 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

MDL06

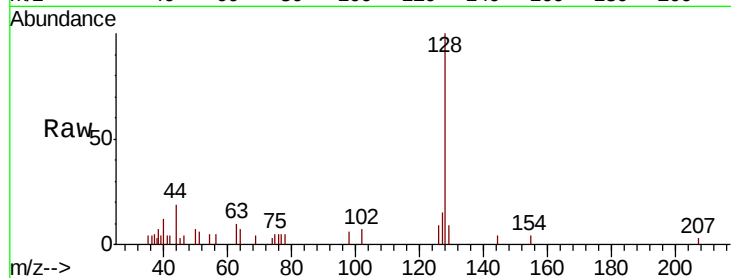
Tot Ion:128 Resp: 5711

Ion Ratio Lower Upper

128 100

129 7.8 9.1 13.7#

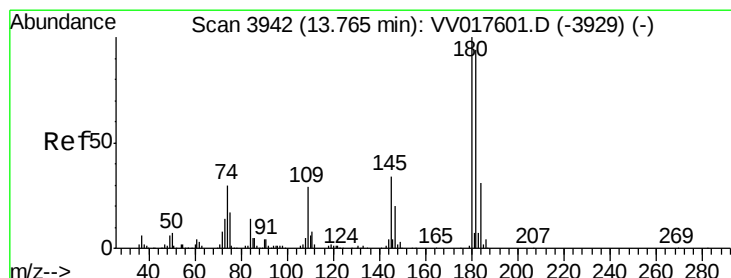
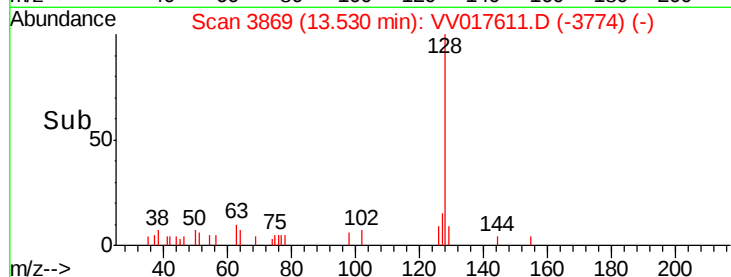
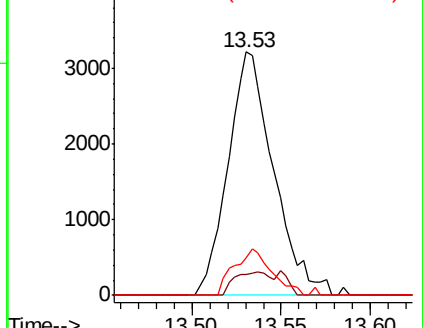
127 15.8 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#71

1,2,3-Trichlorobenzene

Concen: 0.227 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.01 min

Lab File: VV017611.D

Acq: 23 Jul 2020 18:14

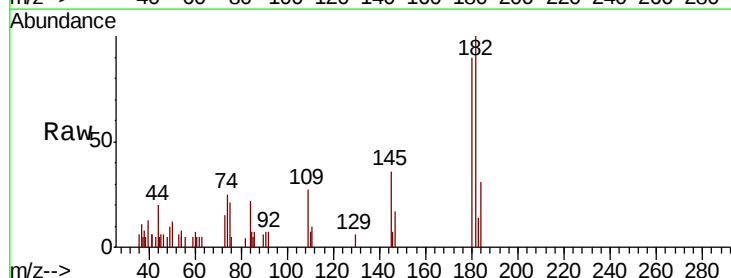
Tgt Ion:180 Resp: 3809

Ion Ratio Lower Upper

180 100

182 99.6 74.2 111.4

145 37.7 26.0 39.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

