

Data File : VV015941.D
Acq On : 07 May 2020 15:10
Operator : SY/MD
Sample : MDL03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Quant Time: May 08 05:13:57 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 08 05:09:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	151431	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	148005	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	69291	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	38977	4.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.80%
7) Chloroethane-d5	1.58	69	37004	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.12	63	63783	3.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.20%
20) 2-Butanone-d5	3.98	46	112958	48.20	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.40%
24) Chloroform-d	4.38	84	84785	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.06	65	51928	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.08	84	174859	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.09	67	56091	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.40%
41) Toluene-d8	7.34	98	156157	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
45) trans-1,3-Dichloropropene-	7.64	79	19566	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
48) 2-Hexanone-d5	8.12	63	89256	48.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.32%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	38480	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	58185	5.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	2928	0.252 ug/L	98
3) Chloromethane	1.25	50	3272	0.279 ug/L	95
5) Vinyl chloride	1.32	62	3157	0.281 ug/L #	70
6) Bromomethane	1.53	94	1823	0.286 ug/L	87
8) Chloroethane	1.60	64	3513	0.439 ug/L	88
9) Trichlorofluoromethane	1.76	101	3632	0.236 ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	2916	0.335 ug/L #	86
12) 1,1-Dichloroethene	2.13	96	2472	0.297 ug/L #	1
14) Carbon disulfide	2.31	76	6815	0.248 ug/L	96
16) Methylene chloride	2.53	84	2795	0.280 ug/L	94
17) Methyl tert-butyl Ether	2.79	73	5522	0.255 ug/L #	92
18) trans-1,2-Dichloroethene	2.78	96	2383	0.259 ug/L	86
19) 1,1-Dichloroethane	3.22	63	4155	0.234 ug/L	91
22) cis-1,2-Dichloroethene	3.95	96	2332	0.242 ug/L	90
23) Bromochloromethane	4.28	128	611	0.148 ug/L	90
25) Chloroform	4.41	83	11829	0.606 ug/L	100
27) 1,2-Dichloroethane	5.17	62	3073	0.256 ug/L #	76

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

29) 1,1,1-Trichloroethane	4.64	97	4032	0.247	ug/L	93
30) Cyclohexane	4.70	56	4054	0.248	ug/L #	86
31) Carbon tetrachloride	4.86	117	3365	0.239	ug/L	89
33) Benzene	5.13	78	9431	0.253	ug/L	100
34) Trichloroethene	5.95	95	2707	0.255	ug/L	95
35) Methylcyclohexane	6.15	83	4093	0.255	ug/L	98
37) 1,2-Dichloropropane	6.20	63	2486	0.263	ug/L #	87
38) Bromodichloromethane	6.54	83	2799	0.233	ug/L #	93
39) cis-1,3-Dichloropropene	7.05	75	2936	0.220	ug/L	94
40) 4-Methyl-2-pentanone	7.26	43	13077	2.218	ug/L #	89
42) Toluene	7.41	91	9581	0.243	ug/L	100
43) 1,3,5-Trimethylbenzene	10.56	105	7254	0.200	ug/L #	100
44) 1,2,4-Trimethylbenzene	10.94	105	7212	0.199	ug/L #	100
46) trans-1,3-Dichloropropene	7.68	75	3660	0.324	ug/L	94
47) 1,1,2-Trichloroethane	7.87	97	1542	0.244	ug/L	92
49) Tetrachloroethene	8.00	164	1950	0.263	ug/L	95
50) 2-Hexanone	8.17	43	15325	3.675	ug/L	97
51) Dibromochloromethane	8.27	129	1667	0.235	ug/L	86
52) 1,2-Dibromoethane	8.38	107	1374	0.235	ug/L #	95
53) Chlorobenzene	8.90	112	6145	0.242	ug/L	98
54) Ethylbenzene	9.04	91	10484	0.234	ug/L	99
55) m,p-xylene	9.16	106	3567	0.215	ug/L	94
56) o-xylene	9.57	106	3539	0.223	ug/L	96
57) Styrene	9.59	104	5560	0.209	ug/L	97
58) Isopropylbenzene	9.95	105	9614	0.220	ug/L	96
60) 1,1,2,2-Tetrachloroethane	10.26	83	2161	0.320	ug/L #	90
62) Bromoform	9.76	173	728	0.229	ug/L #	92
63) 1,3-Dichlorobenzene	11.21	146	4959	0.266	ug/L	99
64) 1,4-Dichlorobenzene	11.30	146	5074	0.271	ug/L	91
66) 1,2-Dichlorobenzene	11.67	146	4713	0.279	ug/L	98
68) 1,3,5-Trichlorobenzene	12.67	180	3428	0.251	ug/L	93
69) 1,2,4-trichlorobenzene	13.28	180	2938	0.251	ug/L	92
70) Naphthalene	13.53	128	4852	0.260	ug/L	97
71) 1,2,3-Trichlorobenzene	13.77	180	2585	0.250	ug/L	94

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

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MDL03

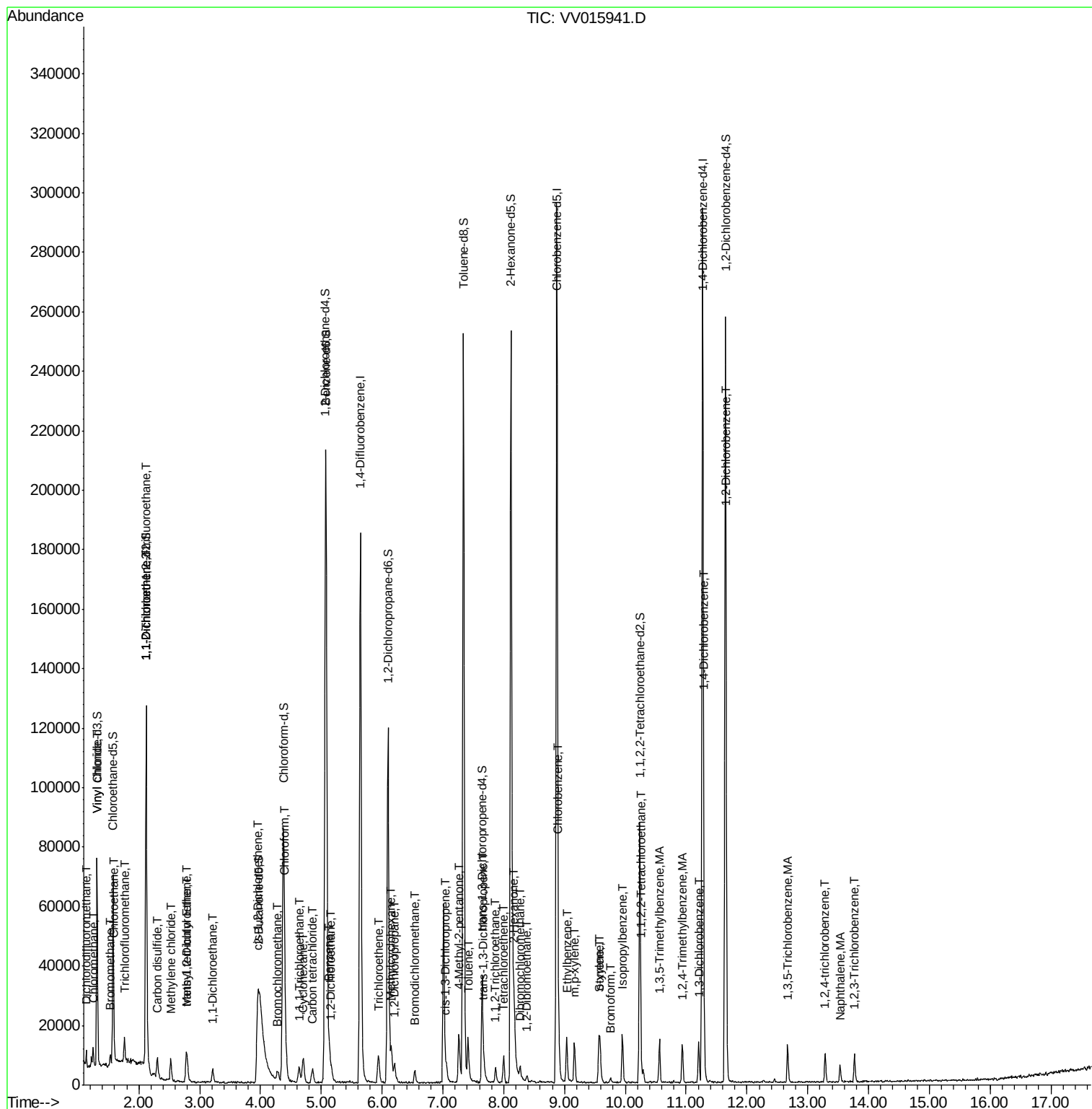
Quant Time: May 08 05:13:57 2020

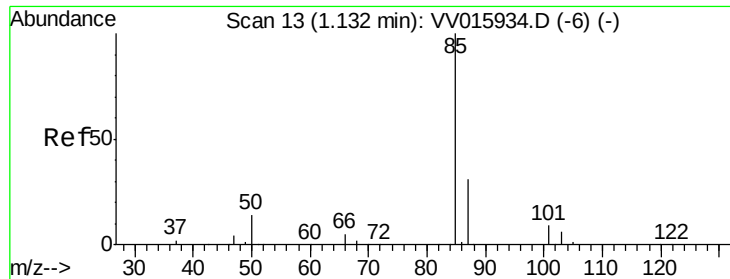
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR050720WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri May 08 05:09:03 2020

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#2

Dichlorodifluoromethane

Concen: 0.252 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

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Acq: 07 May 2020 15:10

Instrument :

MSVOA_V

ClientSampleId :

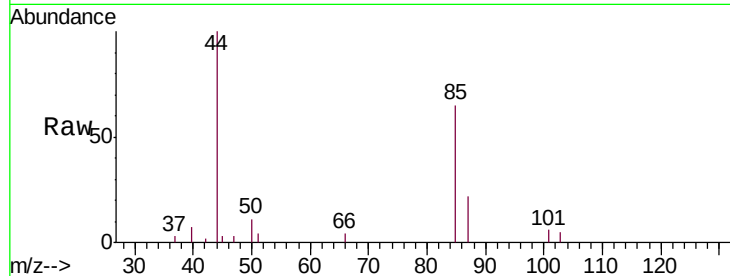
MDL03

Tgt Ion: 85 Resp: 2928

Ion Ratio Lower Upper

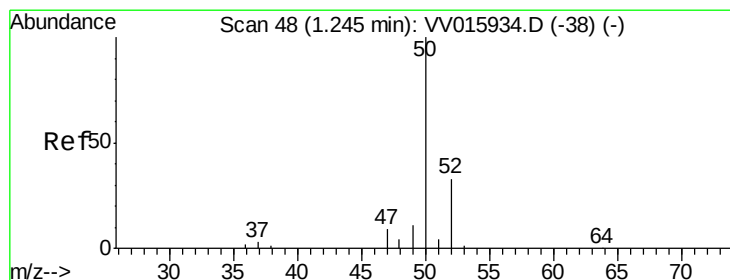
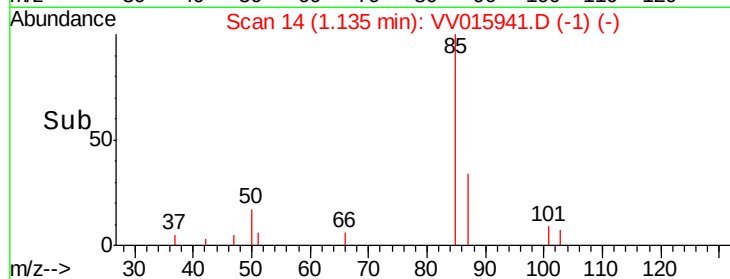
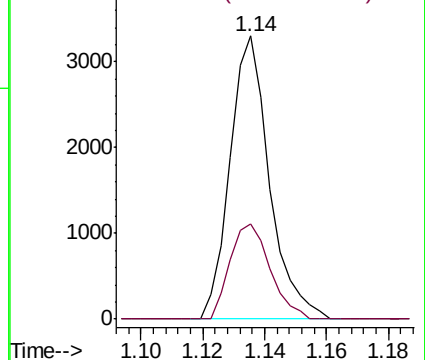
85 100

87 34.3 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: 0.279 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV015941.D

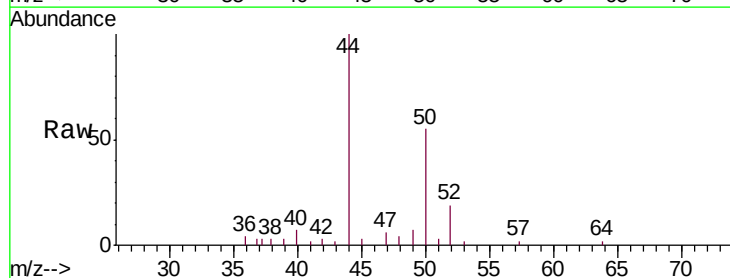
Acq: 07 May 2020 15:10

Tgt Ion: 50 Resp: 3272

Ion Ratio Lower Upper

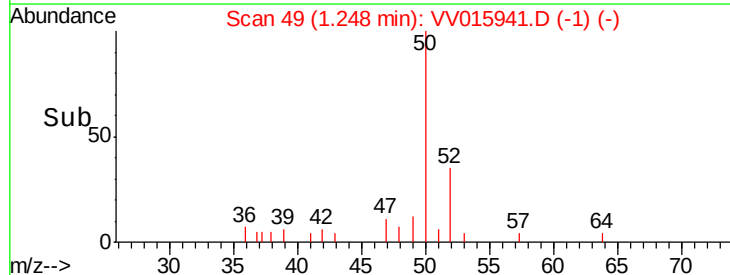
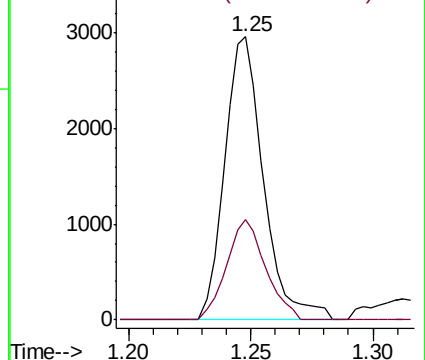
50 100

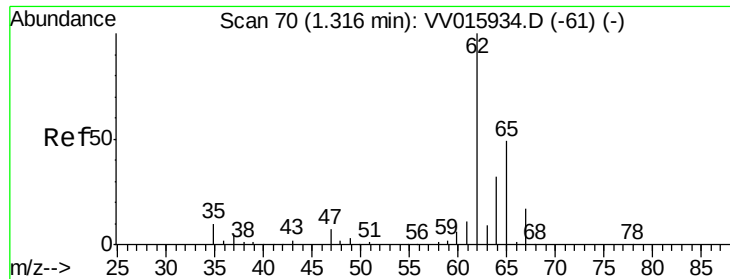
52 35.3 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.281 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015941.D

Acq: 07 May 2020 15:10

Instrument :

MSVOA_V

ClientSampleId :

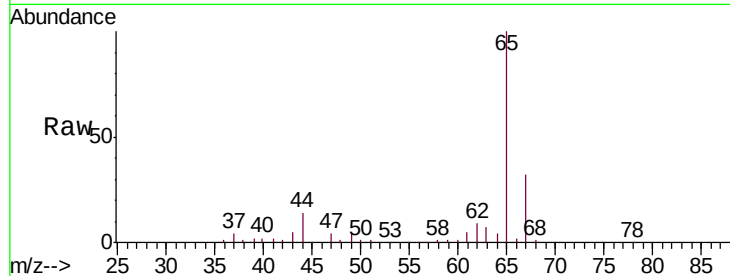
MDL03

Tgt Ion: 62 Resp: 3157

Ion Ratio Lower Upper

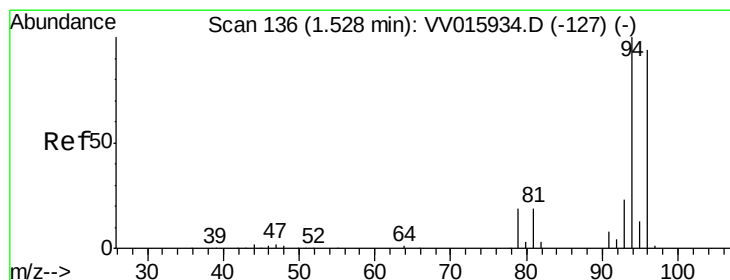
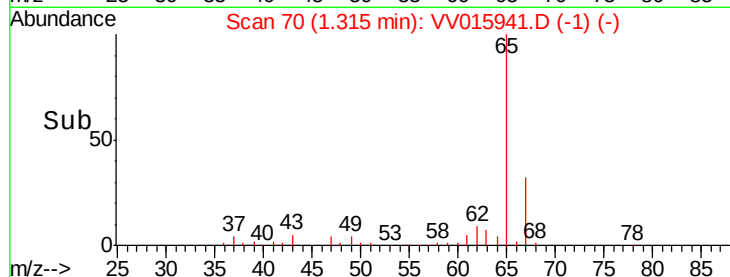
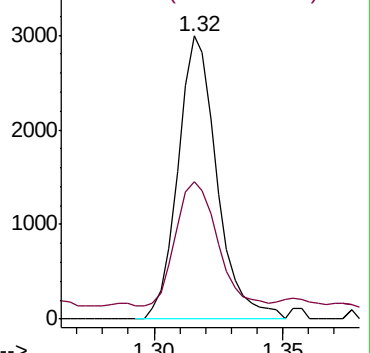
62 100

64 48.7 22.4 41.6#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 0.286 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV015941.D

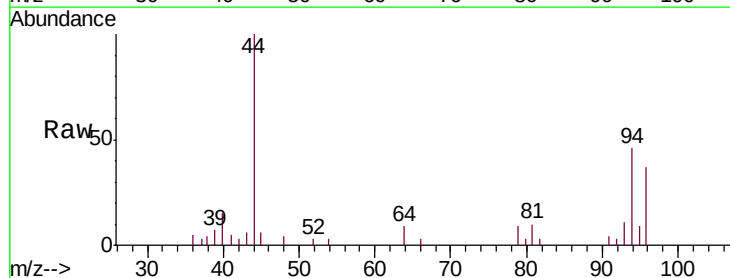
Acq: 07 May 2020 15:10

Tgt Ion: 94 Resp: 1823

Ion Ratio Lower Upper

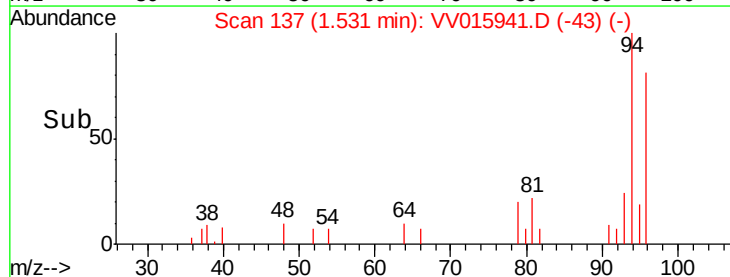
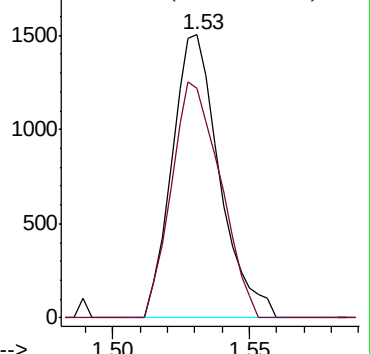
94 100

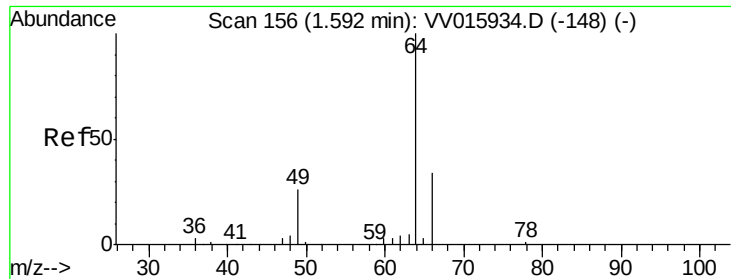
96 81.3 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

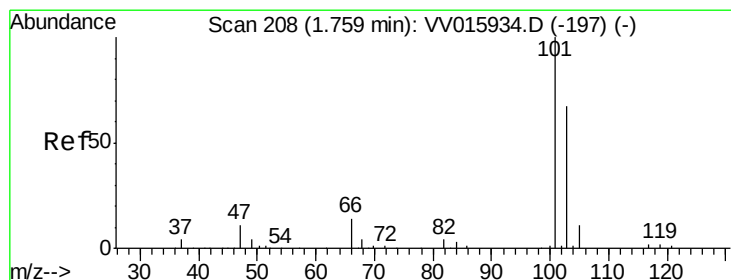
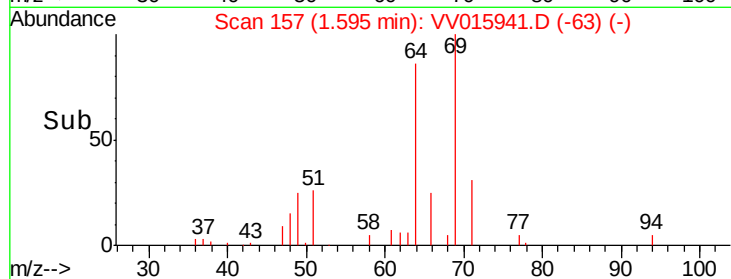
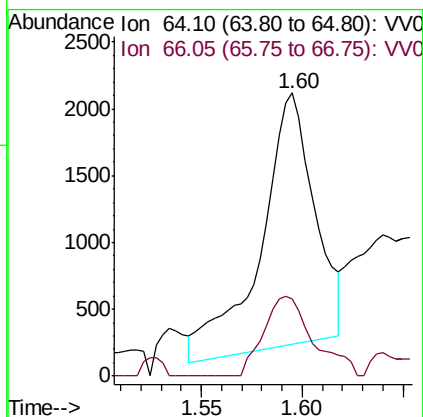
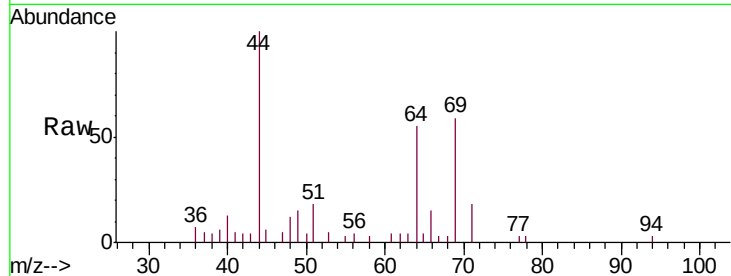




#8
Chloroethane
Concen: 0.439 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV015941.D
Acq: 07 May 2020 15:10

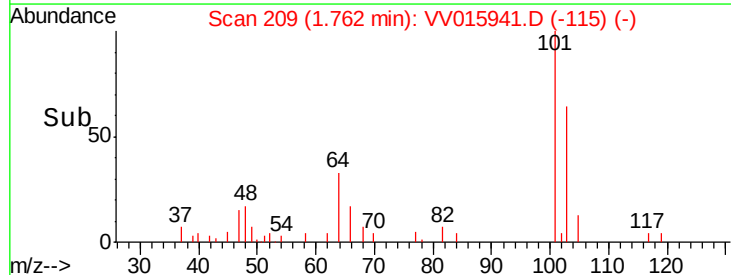
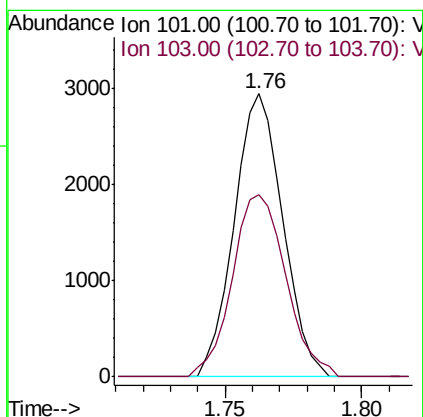
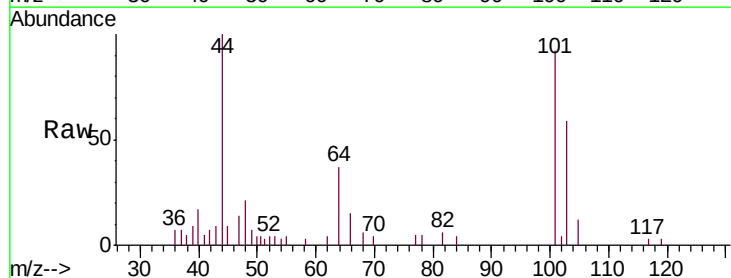
Instrument :
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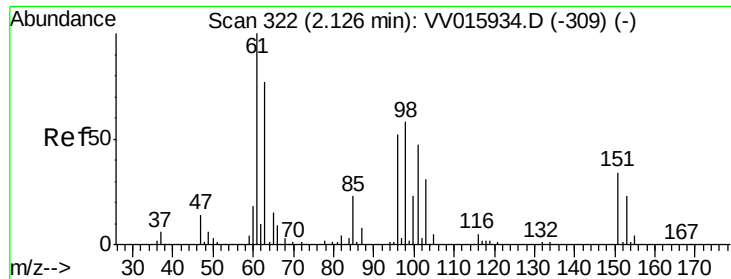
Tgt Ion: 64 Resp: 3513
Ion Ratio Lower Upper
64 100
66 27.1 23.6 43.8



#9
Trichlorofluoromethane
Concen: 0.236 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV015941.D
Acq: 07 May 2020 15:10

Tgt Ion: 101 Resp: 3632
Ion Ratio Lower Upper
101 100
103 71.4 51.4 77.2





#10

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

Concen: 0.335 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV015941.D

Acq: 07 May 2020 15:10

Instrument :

MSVOA_V

ClientSampleId :

MDL03

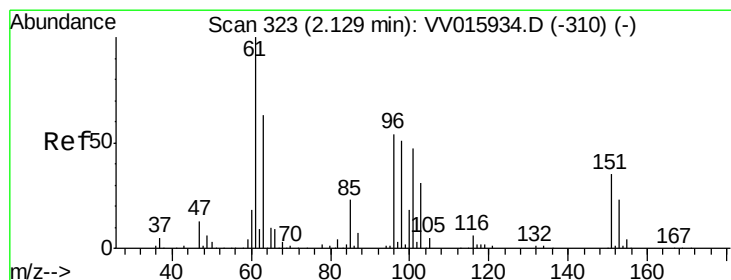
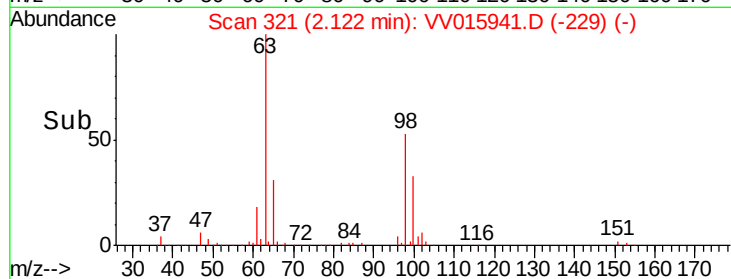
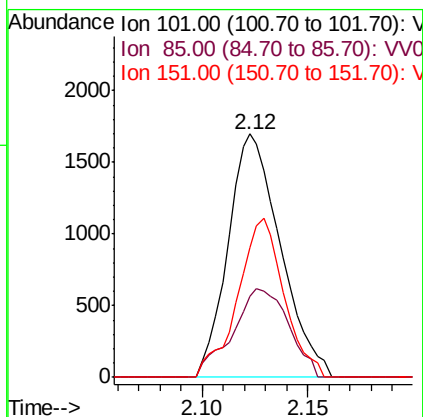
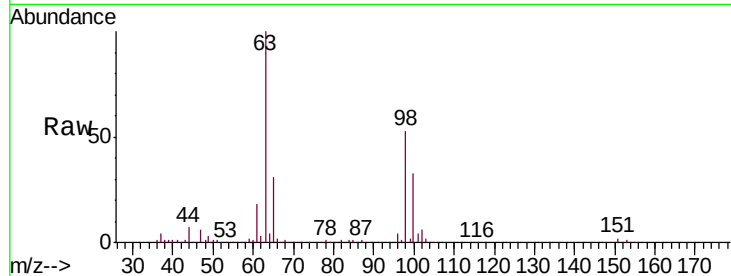
Tgt Ion:101 Resp: 2916

Ion Ratio Lower Upper

101 100

85 39.0 35.7 53.5

151 57.9 58.0 87.0#



#12

1,1-Dichloroethene

Concen: 0.297 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015941.D

Acq: 07 May 2020 15:10

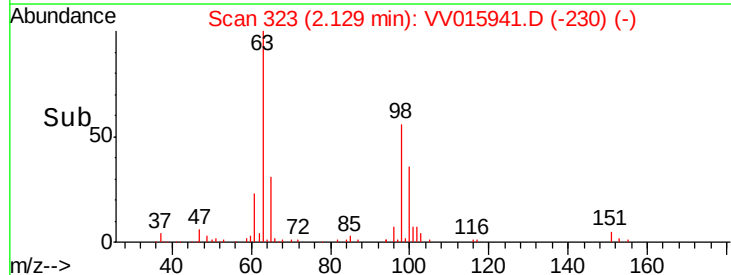
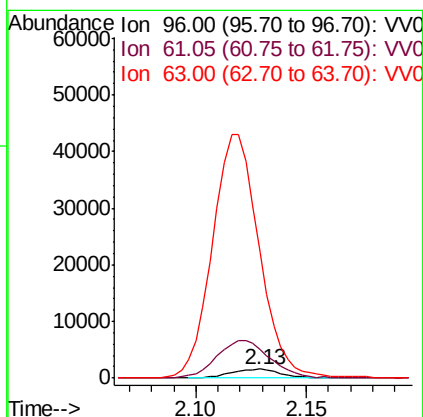
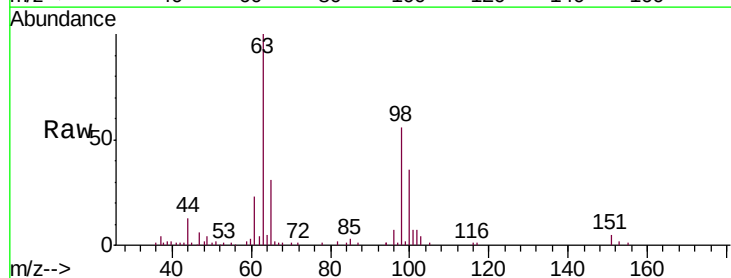
Tgt Ion: 96 Resp: 2472

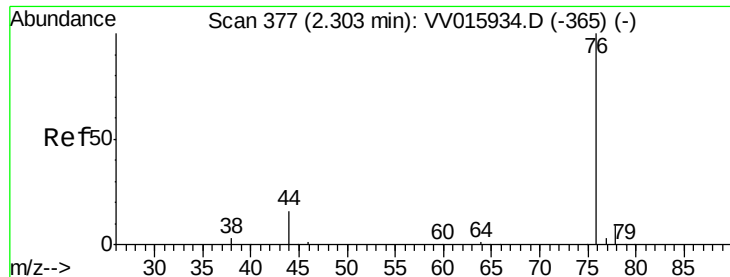
Ion Ratio Lower Upper

96 100

61 328.9 139.9 259.7#

63 1428.4 106.4 197.6#





#14

Carbon disulfide

Concen: 0.248 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015941.D

Acq: 07 May 2020 15:10

Instrument :

MSVOA_V

ClientSampleId :

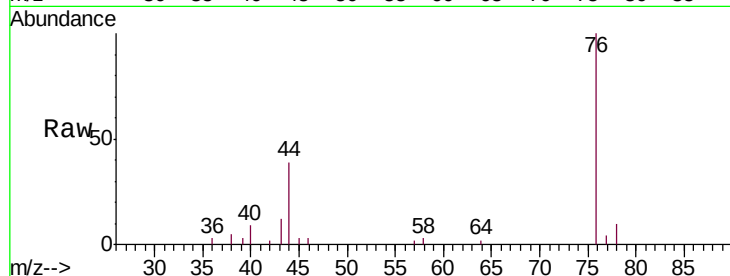
MDL03

Tgt Ion: 76 Resp: 6815

Ion Ratio Lower Upper

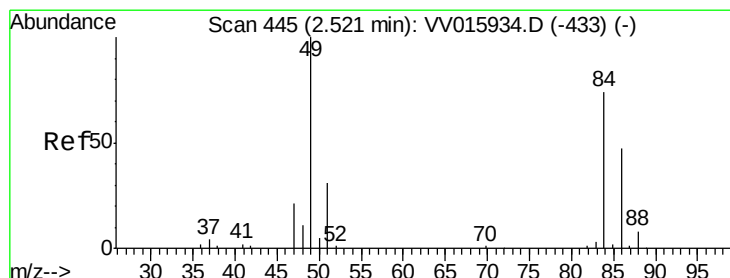
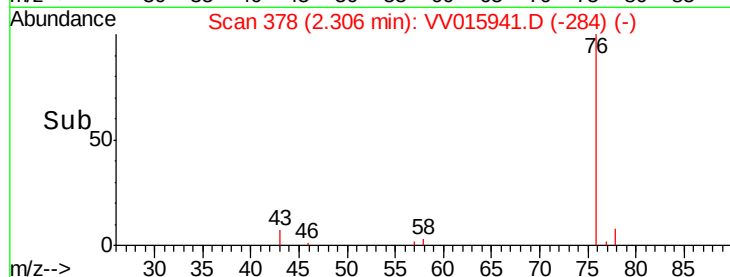
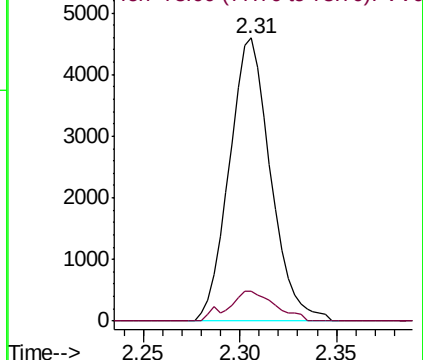
76 100

78 10.4 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#16

Methylene chloride

Concen: 0.280 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.01 min

Lab File: VV015941.D

Acq: 07 May 2020 15:10

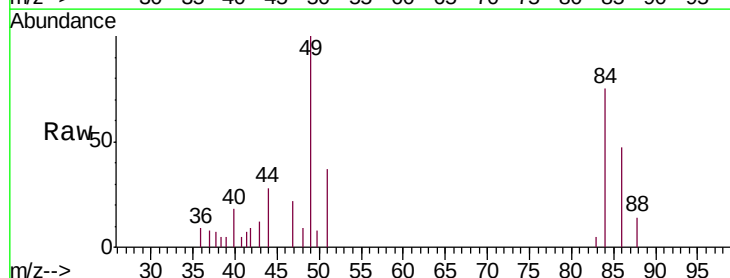
Tgt Ion: 84 Resp: 2795

Ion Ratio Lower Upper

84 100

86 62.2 45.6 84.8

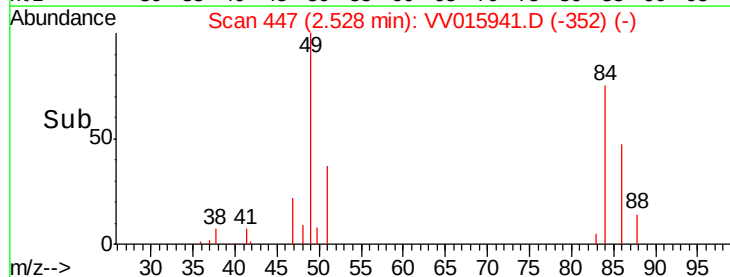
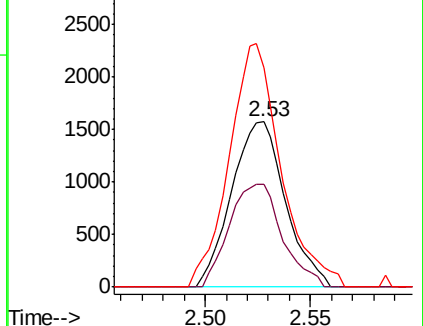
49 142.8 93.6 173.8

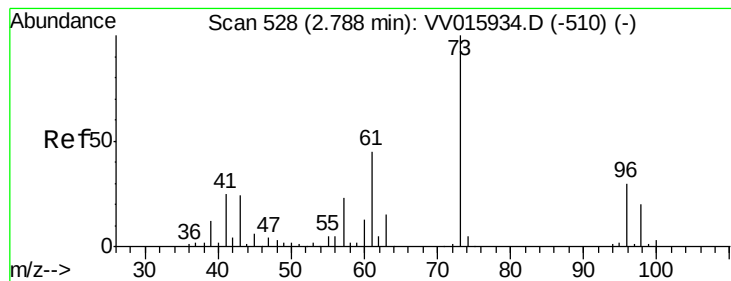


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#17

Methyl tert-butyl Ether

Concen: 0.255 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV015941.D

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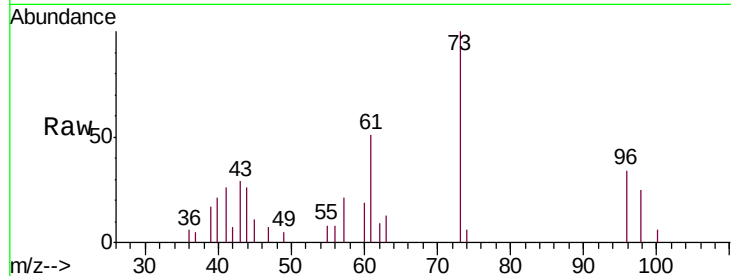
Tgt Ion: 73 Resp: 5522

Ion Ratio Lower Upper

73 100

43 29.8 18.8 28.2#

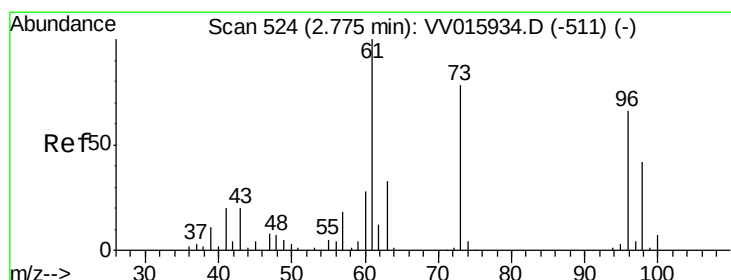
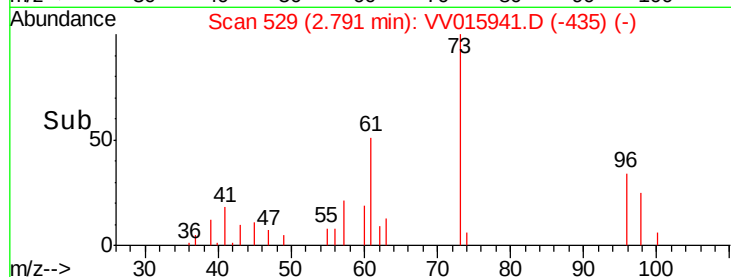
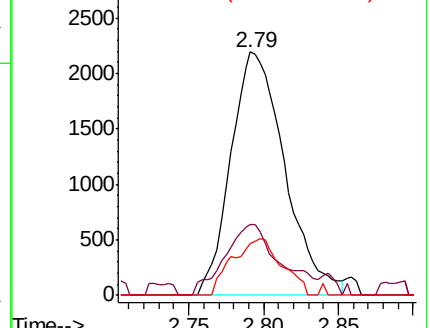
57 21.2 17.8 26.6



Abundance Ion 73.10 (72.80 to 73.80): VV015941.D (-435) (-)

Ion 43.05 (42.75 to 43.75): VV015941.D (-435) (-)

Ion 57.10 (56.80 to 57.80): VV015941.D (-435) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.259 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV015941.D

Acq: 07 May 2020 15:10

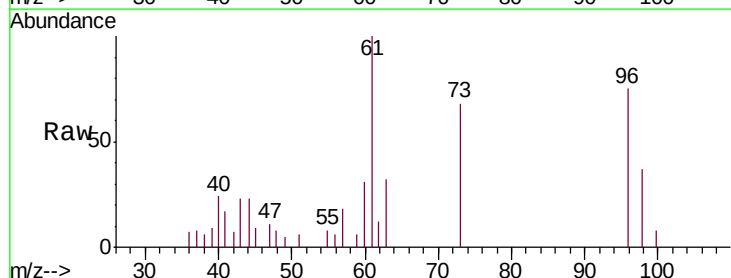
Tgt Ion: 96 Resp: 2383

Ion Ratio Lower Upper

96 100

61 134.0 105.3 195.5

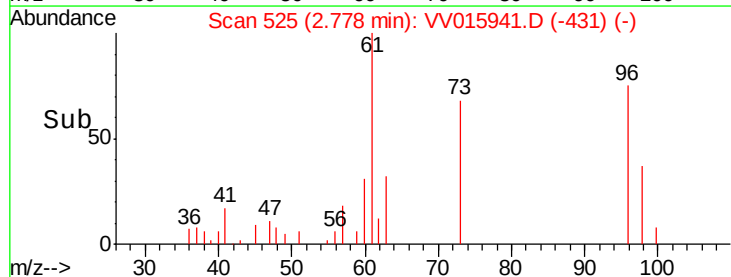
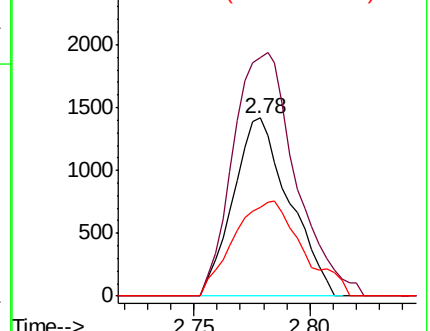
98 49.5 44.0 81.6

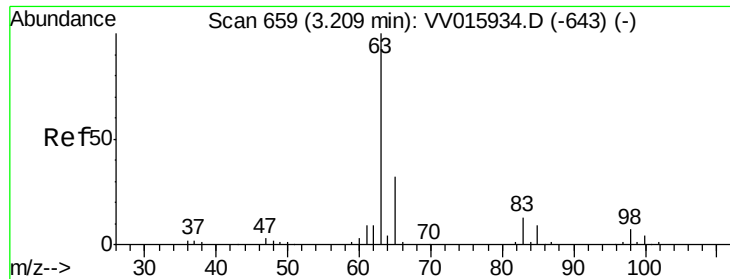


Abundance Ion 96.00 (95.70 to 96.70): VV015941.D (-431) (-)

Ion 61.05 (60.75 to 61.75): VV015941.D (-431) (-)

Ion 97.95 (97.65 to 98.65): VV015941.D (-431) (-)





#19

1,1-Dichloroethane

Concen: 0.234 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.01 min

Lab File: VV015941.D

Acq: 07 May 2020 15:10

Instrument :

MSVOA_V

ClientSampled :

MDL03

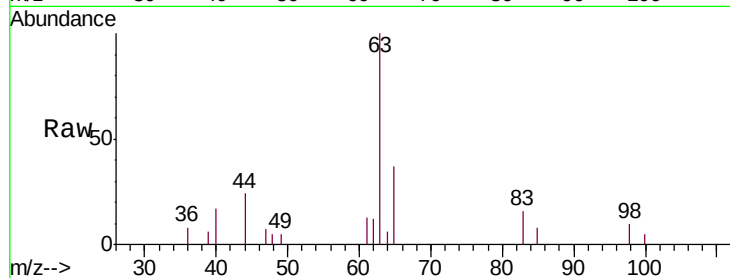
Tgt Ion: 63 Resp: 4155

Ion Ratio Lower Upper

63 100

65 37.5 22.0 41.0

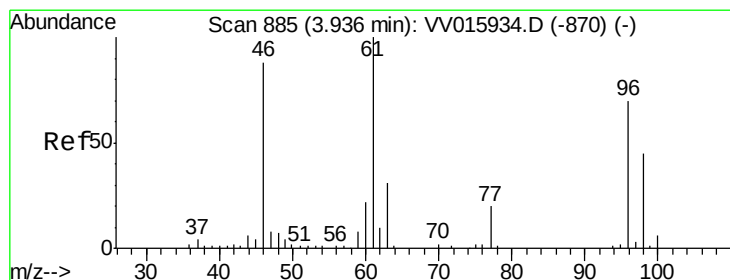
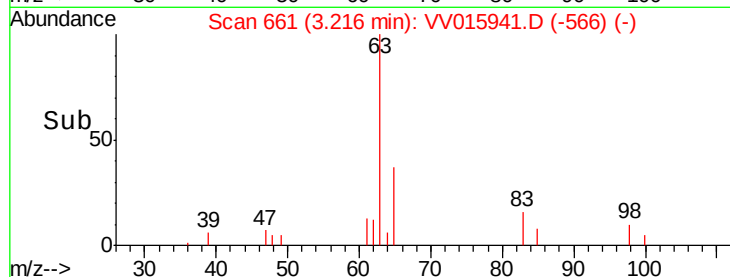
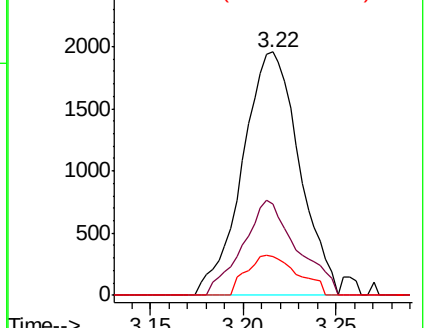
83 15.7 9.8 18.2



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: 0.242 ug/L

RT: 3.95 min Scan# 888

Delta R.T. 0.01 min

Lab File: VV015941.D

Acq: 07 May 2020 15:10

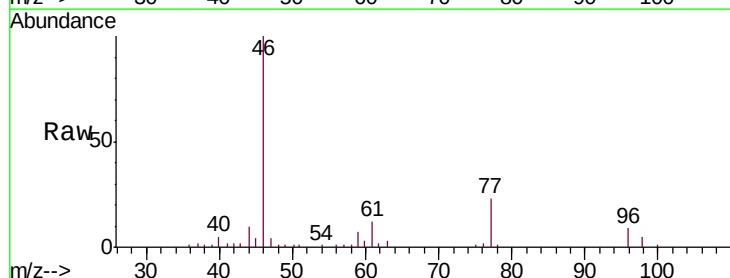
Tgt Ion: 96 Resp: 2332

Ion Ratio Lower Upper

96 100

61 126.5 97.2 180.6

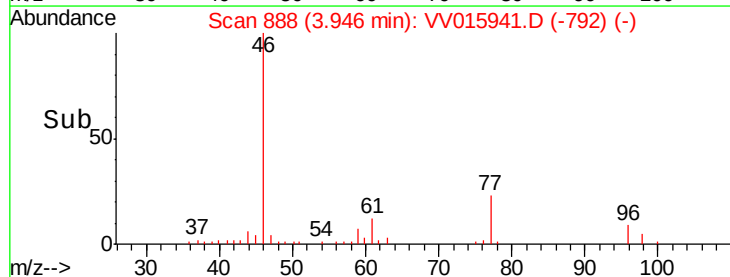
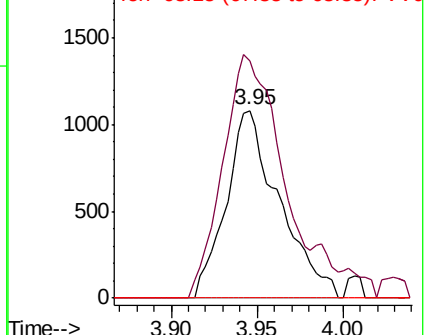
68 0.0 0.0 0.0

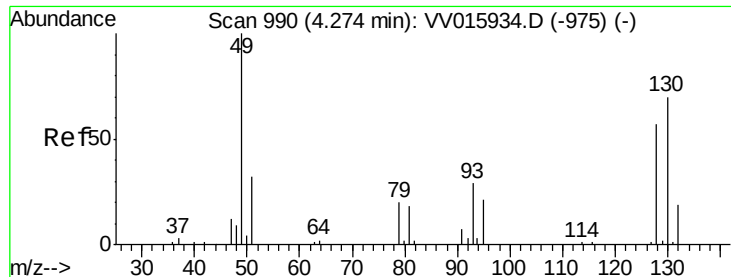


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0





#23

Bromochloromethane

Concen: 0.148 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV015941.D

Acq: 07 May 2020 15:10

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tgt Ion:128 Resp: 611

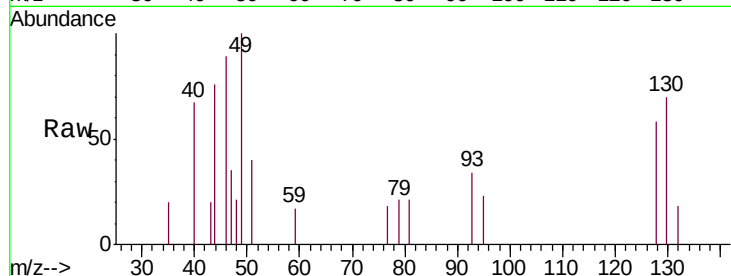
Ion Ratio Lower Upper

128 100

49 171.8 131.3 243.8

130 120.7 91.8 170.4

51 68.2 48.8 73.2

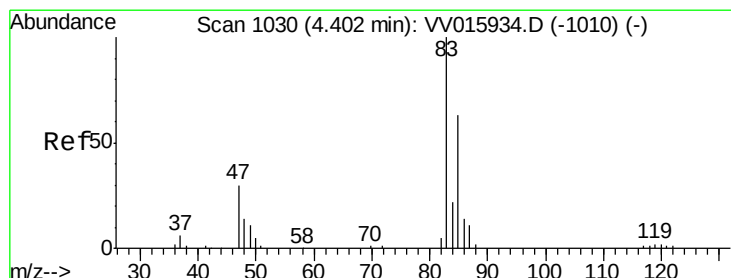
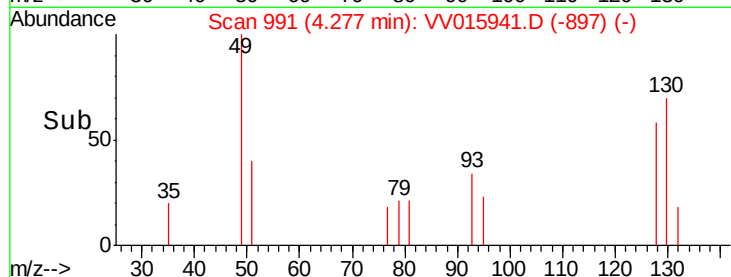
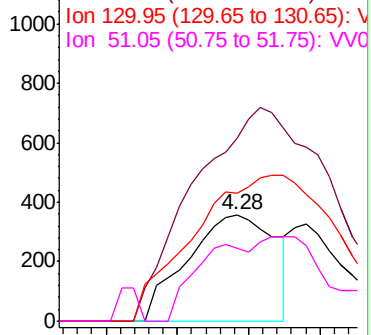


Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VV0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VV0



#25

Chloroform

Concen: 0.606 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV015941.D

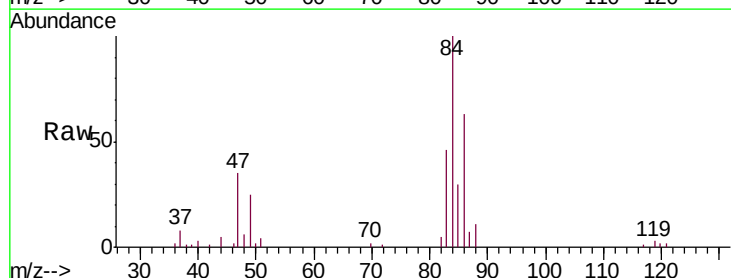
Acq: 07 May 2020 15:10

Tgt Ion: 83 Resp: 11829

Ion Ratio Lower Upper

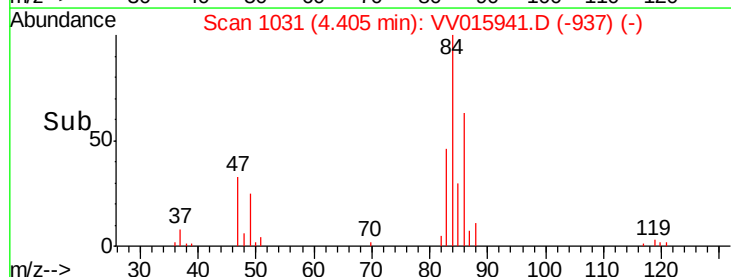
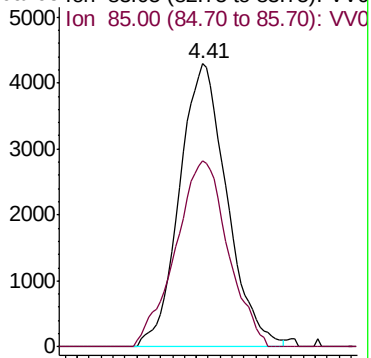
83 100

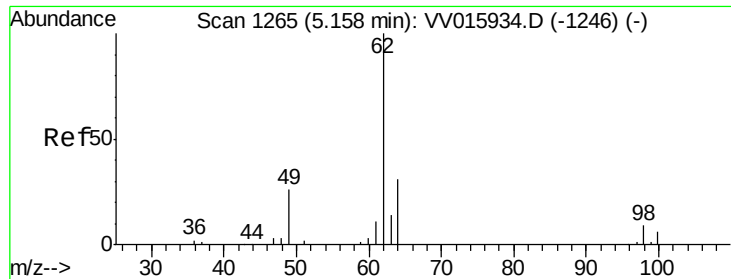
85 65.7 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

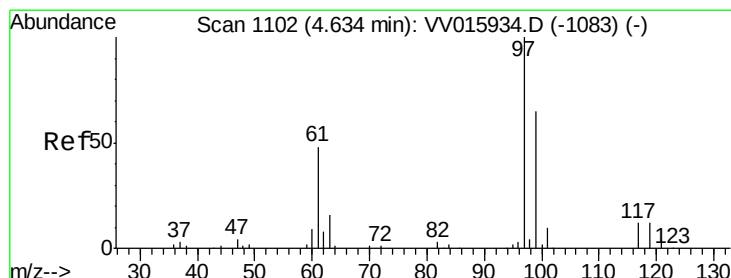
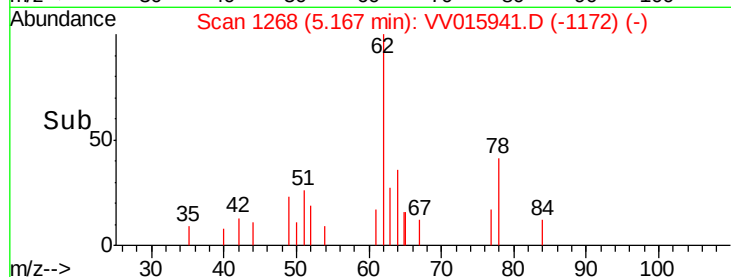
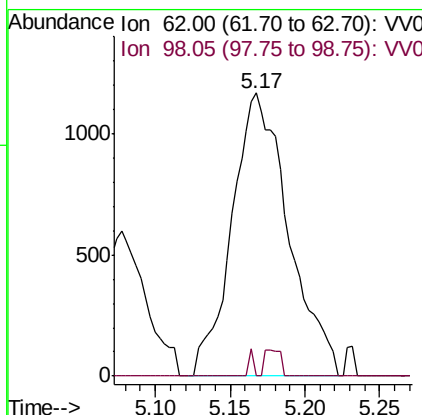
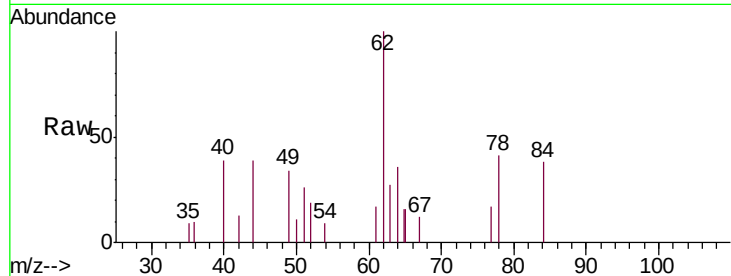




#27
 1,2-Dichloroethane
 Concen: 0.256 ug/L
 RT: 5.17 min Scan# 1268
 Delta R.T. 0.01 min
 Lab File: VV015941.D
 Acq: 07 May 2020 15:10

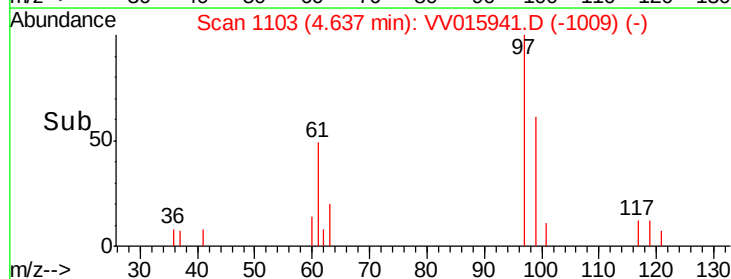
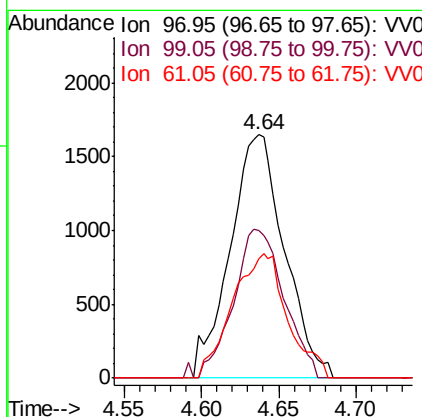
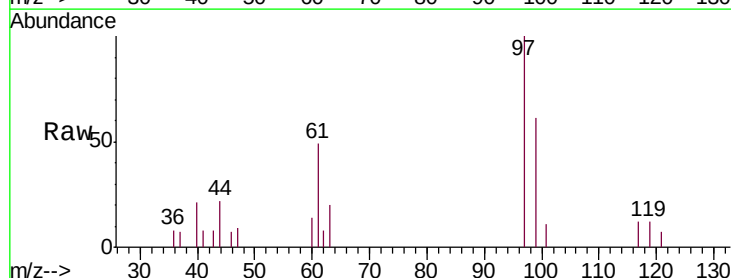
Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

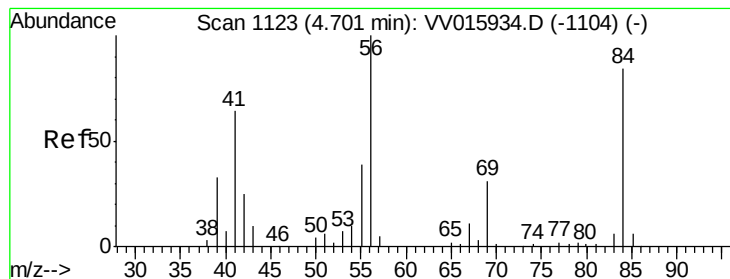
Tgt Ion: 62 Resp: 3073
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.7 10.1#



#29
 1,1,1-Trichloroethane
 Concen: 0.247 ug/L
 RT: 4.64 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VV015941.D
 Acq: 07 May 2020 15:10

Tgt Ion: 97 Resp: 4032
 Ion Ratio Lower Upper
 97 100
 99 56.6 50.7 76.1
 61 51.9 38.8 58.2





#30

Cyclohexane

Concen: 0.248 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV015941.D

Acq: 07 May 2020 15:10

Instrument :

MSVOA_V

ClientSampled :

MDL03

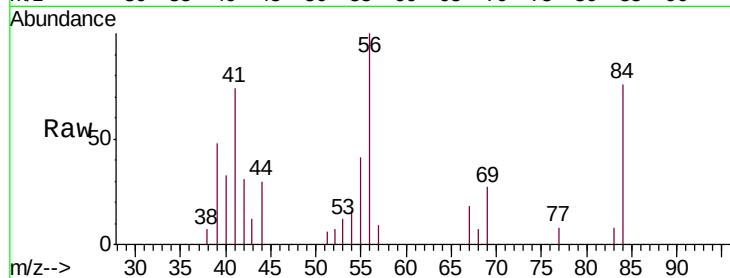
Tgt Ion: 56 Resp: 4054

Ion Ratio Lower Upper

56 100

69 14.8 24.2 36.2#

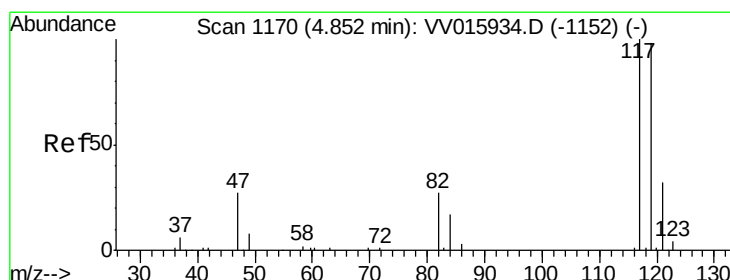
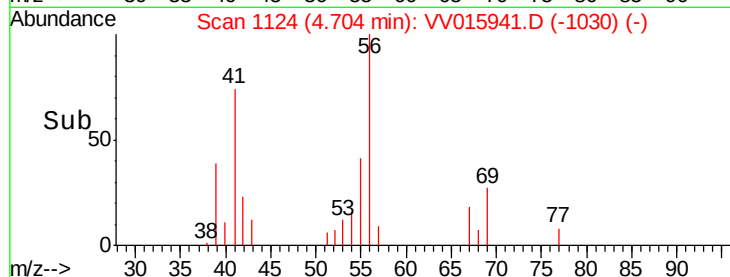
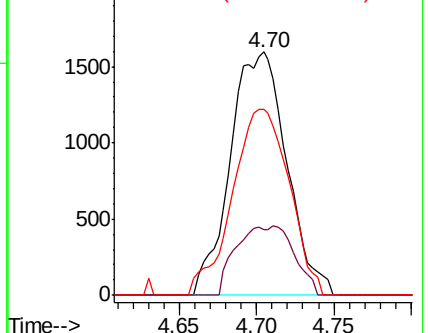
84 76.8 68.3 102.5



Abundance Ion 56.10 (55.80 to 56.80): VV015941.D (-1104) (-)

Ion 69.15 (68.85 to 69.85): VV015941.D (-1104) (-)

Ion 84.15 (83.85 to 84.85): VV015941.D (-1104) (-)



#31

Carbon tetrachloride

Concen: 0.239 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VV015941.D

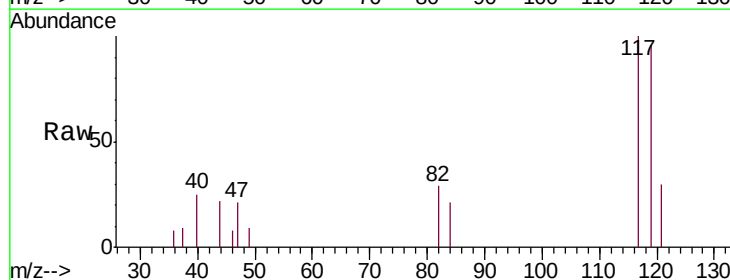
Acq: 07 May 2020 15:10

Tgt Ion: 117 Resp: 3365

Ion Ratio Lower Upper

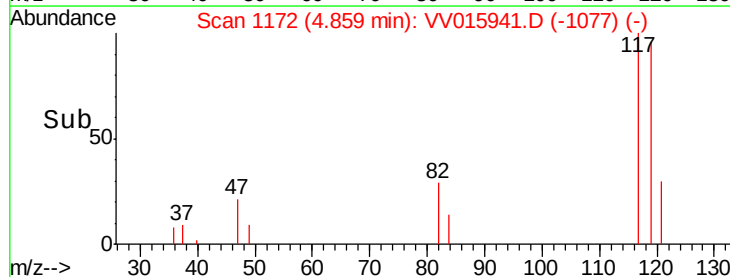
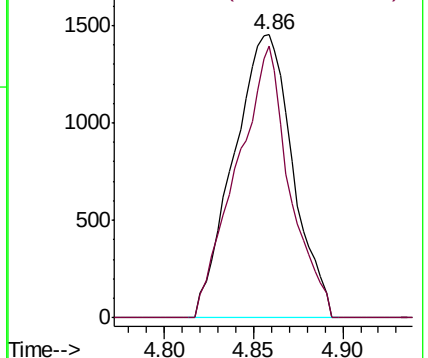
117 100

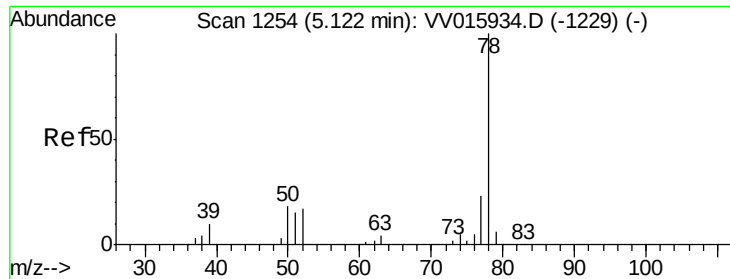
119 85.9 77.3 115.9



Abundance Ion 116.90 (116.60 to 117.60): VV015941.D (-1077) (-)

Ion 118.90 (118.60 to 119.60): VV015941.D (-1077) (-)





#33

Benzene

Concen: 0.253 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VV015941.D

Acq: 07 May 2020 15:10

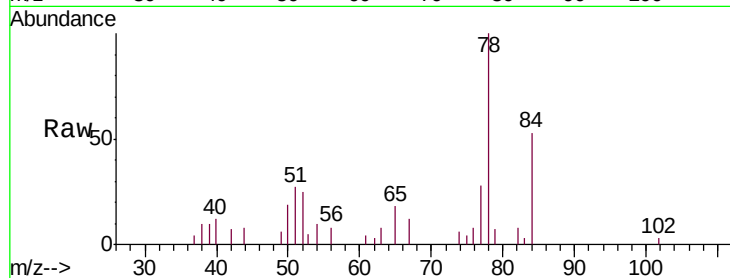
Instrument :

MSVOA_V

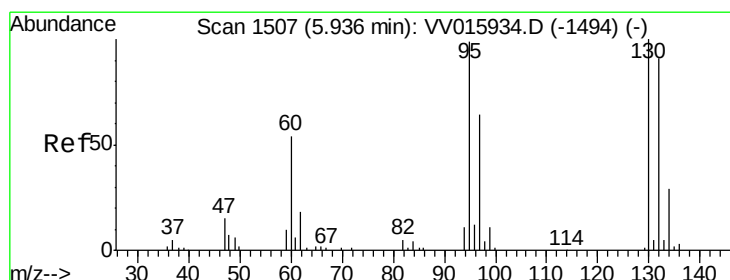
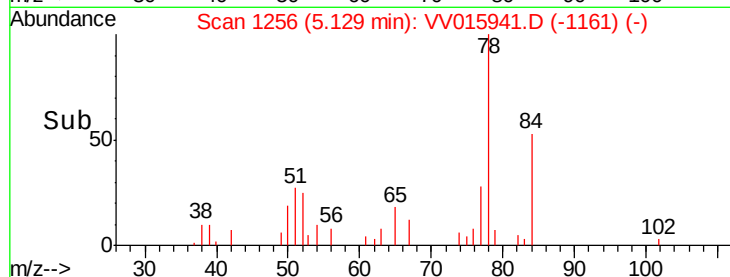
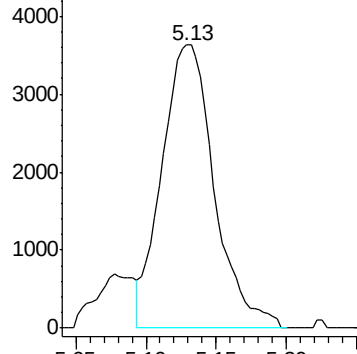
ClientSampled :

MDL03

Tgt Ion: 78 Resp: 9431



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.255 ug/L

RT: 5.95 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VV015941.D

Acq: 07 May 2020 15:10

Tgt Ion: 95 Resp: 2707

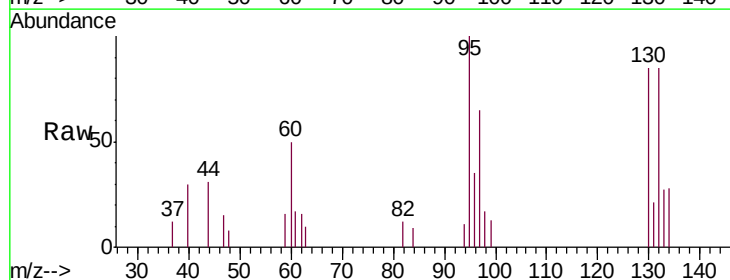
Ion	Ratio	Lower	Upper
95	100		
97	65.3	43.3	80.5
132	85.4	60.3	112.1
130	84.7	66.0	122.6

95 100

97 65.3 43.3 80.5

132 85.4 60.3 112.1

130 84.7 66.0 122.6

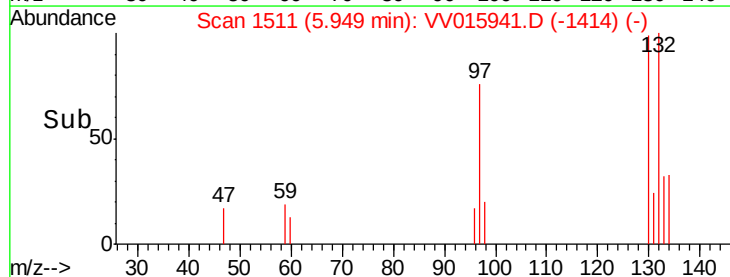
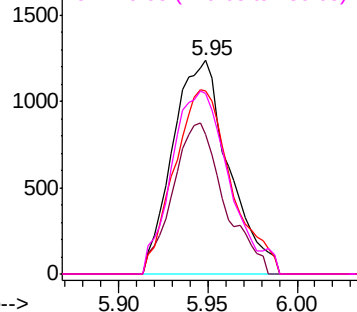


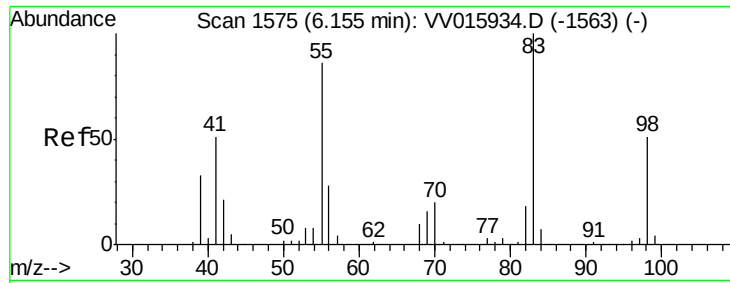
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

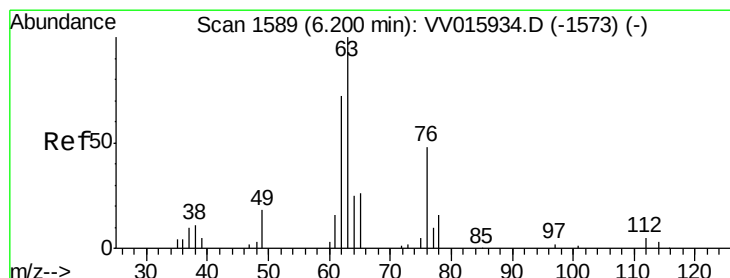
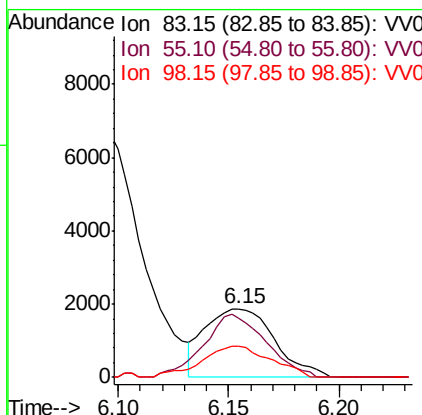
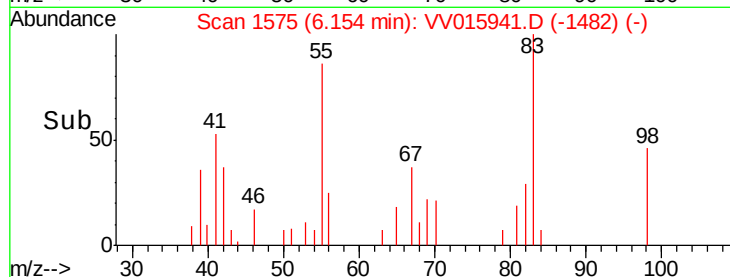
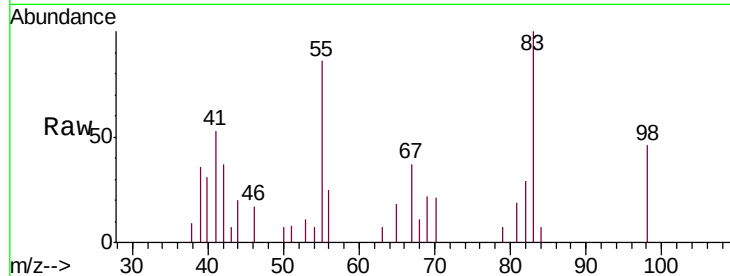




#35
Methylcyclohexane
Concen: 0.255 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VV015941.D
Acq: 07 May 2020 15:10

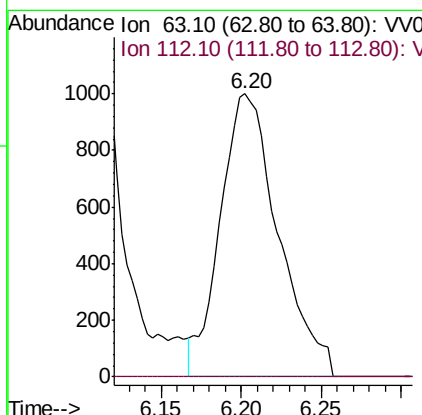
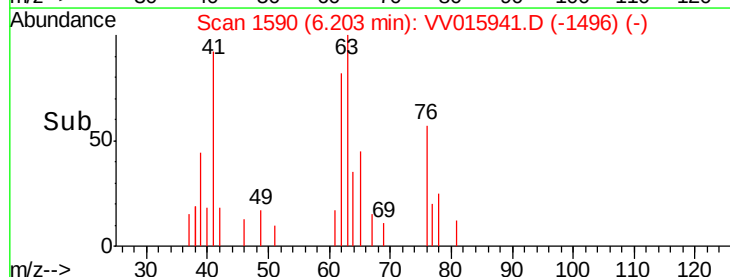
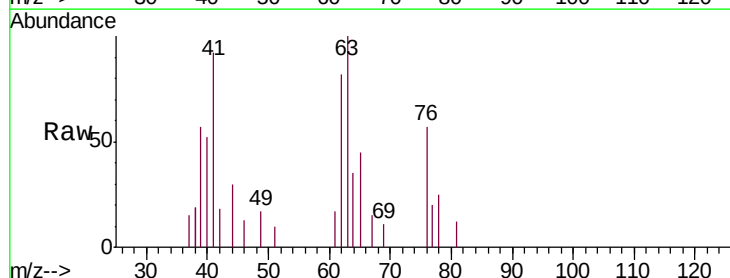
Instrument :
MSVOA_V
ClientSampled :
MDL03

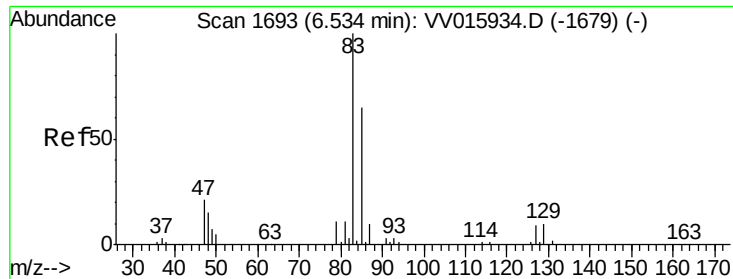
Tgt Ion: 83 Resp: 4093
Ion Ratio Lower Upper
83 100
55 81.9 66.2 99.2
98 45.5 37.9 56.9



#37
1,2-Dichloropropane
Concen: 0.263 ug/L
RT: 6.20 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VV015941.D
Acq: 07 May 2020 15:10

Tgt Ion: 63 Resp: 2486
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#

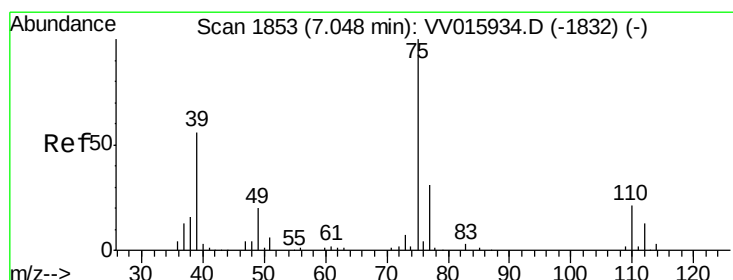
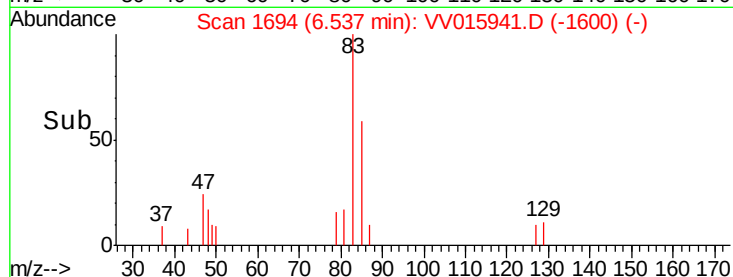
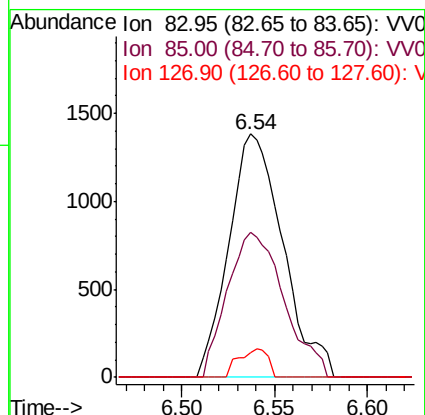
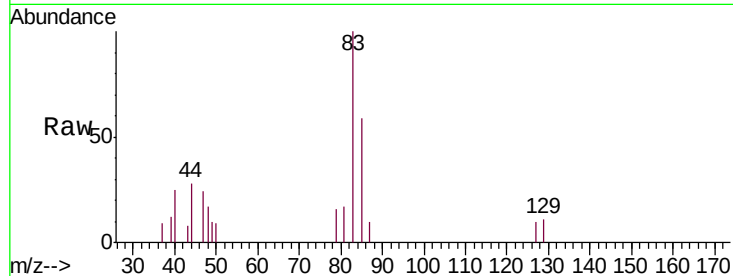




#38
 Bromodichloromethane
 Concen: 0.233 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.00 min
 Lab File: VV015941.D
 Acq: 07 May 2020 15:10

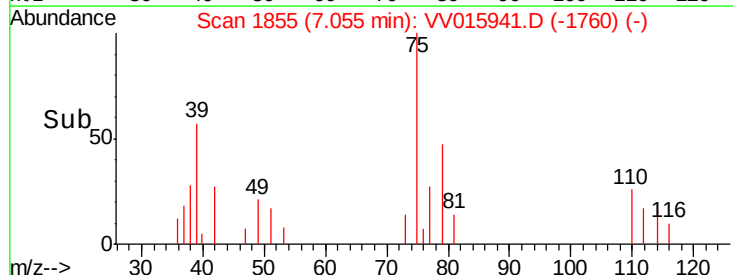
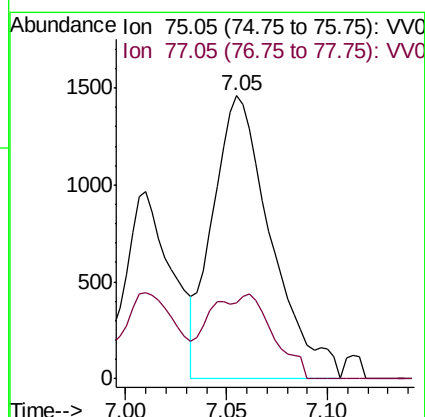
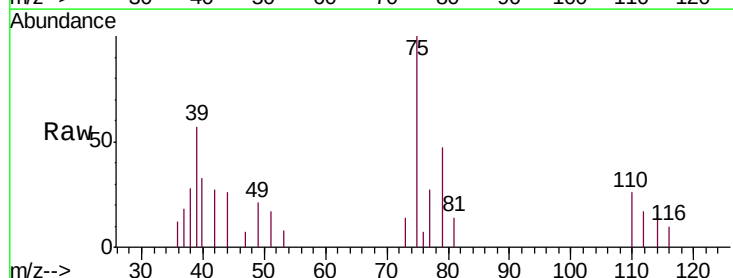
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

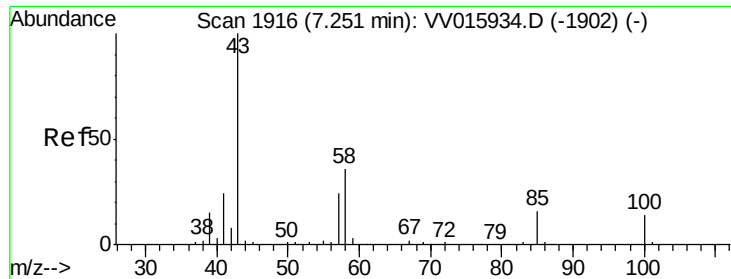
Tgt Ion: 83 Resp: 2799
 Ion Ratio Lower Upper
 83 100
 85 59.4 45.5 84.5
 127 10.0 6.2 9.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.220 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV015941.D
 Acq: 07 May 2020 15:10

Tgt Ion: 75 Resp: 2936
 Ion Ratio Lower Upper
 75 100
 77 27.0 21.3 39.5

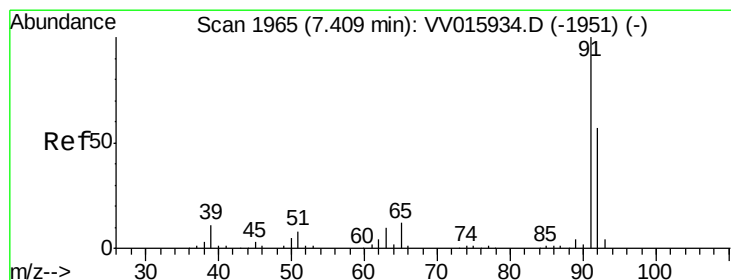
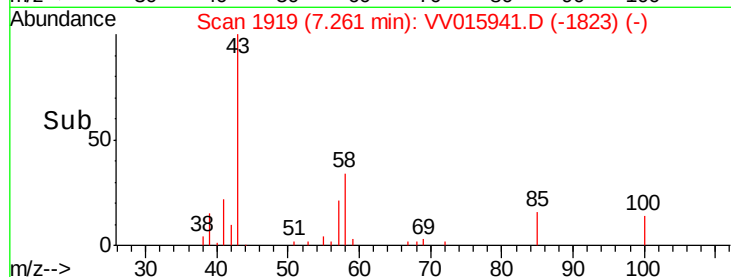
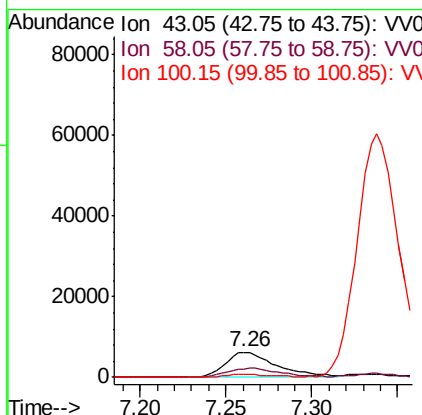
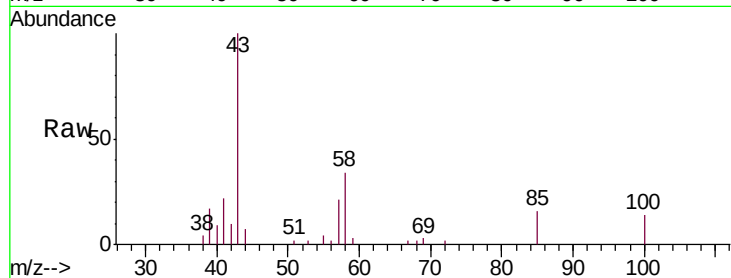




#40
4-Methyl-2-pentanone
Concen: 2.218 ug/L
RT: 7.26 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VV015941.D
Acq: 07 May 2020 15:10

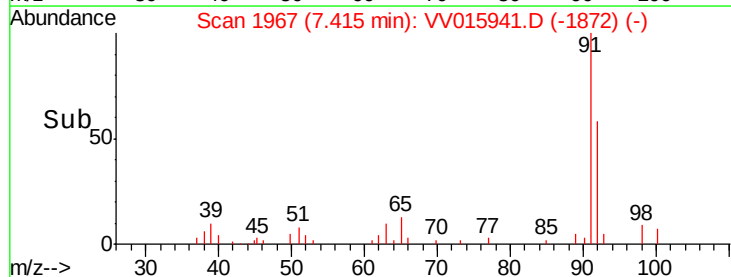
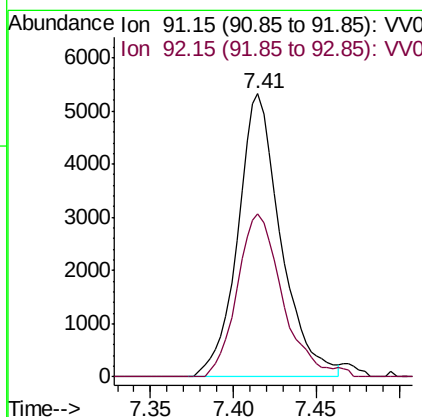
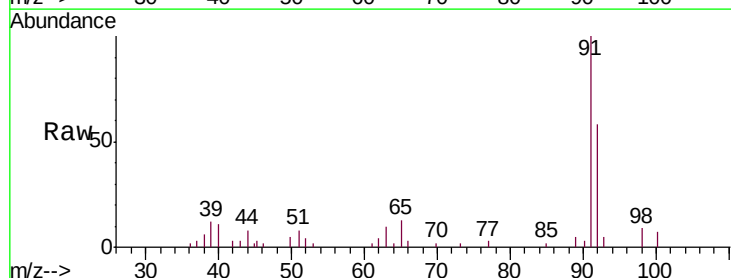
Instrument :
MSVOA_V
ClientSampleId :
MDL03

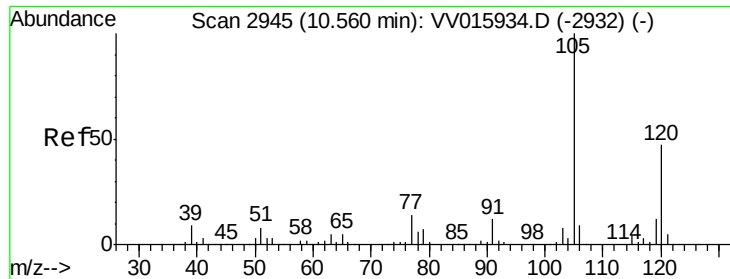
Tgt Ion: 43 Resp: 13077
Ion Ratio Lower Upper
43 100
58 37.3 29.0 43.4
100 0.0 10.9 16.3#



#42
Toluene
Concen: 0.243 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VV015941.D
Acq: 07 May 2020 15:10

Tgt Ion: 91 Resp: 9581
Ion Ratio Lower Upper
91 100
92 57.6 40.1 74.5





#43

1,3,5-Trimethylbenzene

Concen: 0.200 ug/L

RT: 10.56 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VV015941.D

Acq: 07 May 2020 15:10

Instrument :

MSVOA_V

ClientSampled :

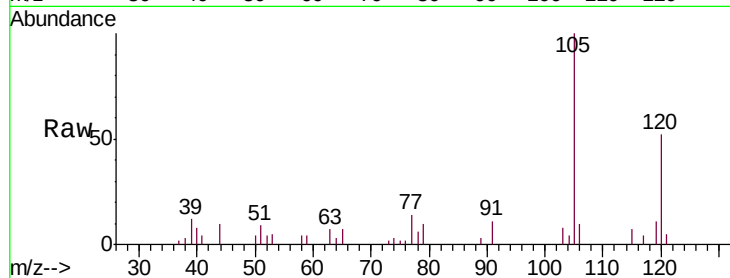
MDL03

Tgt Ion:105 Resp: 7254

Ion Ratio Lower Upper

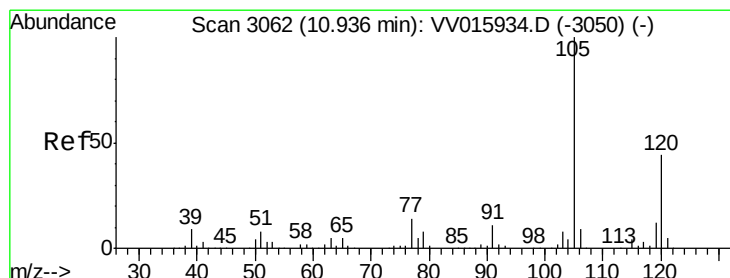
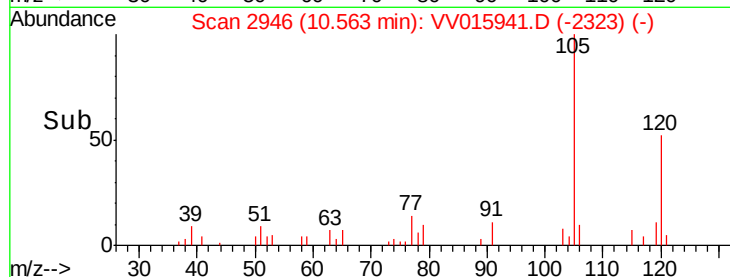
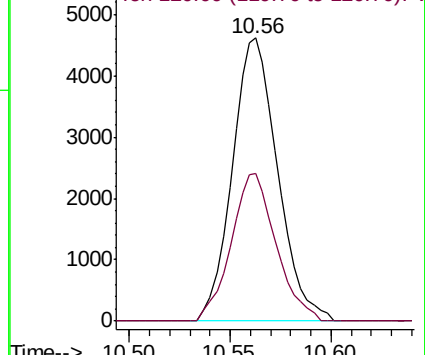
105 100

120 51.6 0.0 0.0#



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: 0.199 ug/L

RT: 10.94 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VV015941.D

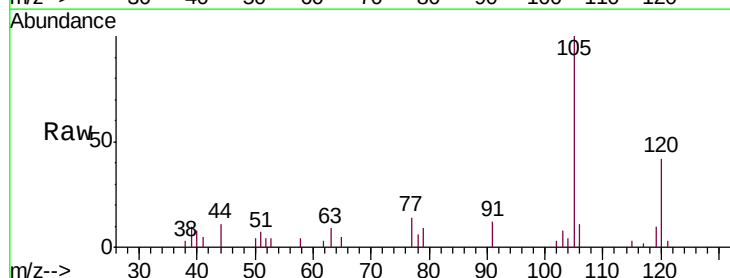
Acq: 07 May 2020 15:10

Tgt Ion:105 Resp: 7212

Ion Ratio Lower Upper

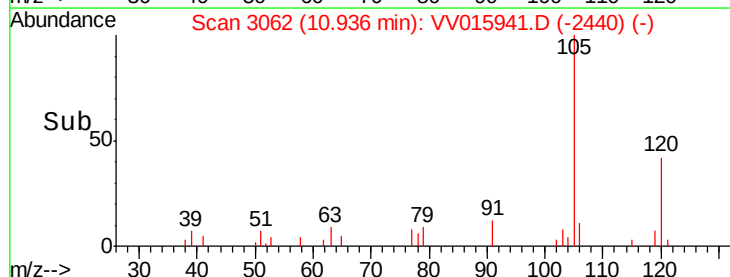
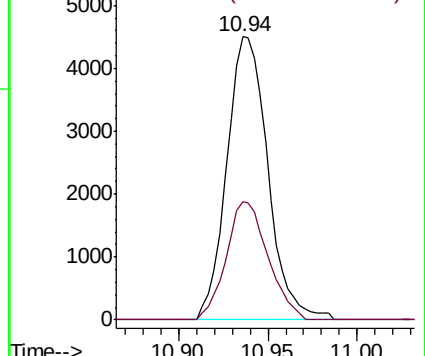
105 100

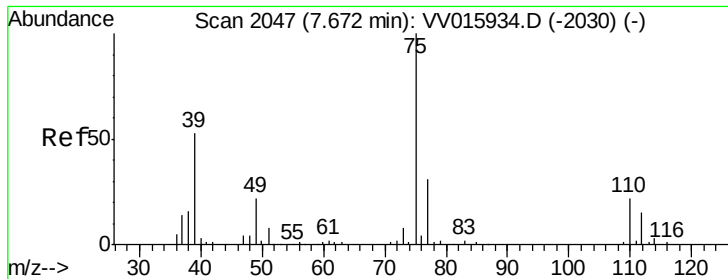
120 42.5 0.0 0.0#



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: 0.324 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV015941.D

Acq: 07 May 2020 15:10

Instrument :

MSVOA_V

ClientSampled :

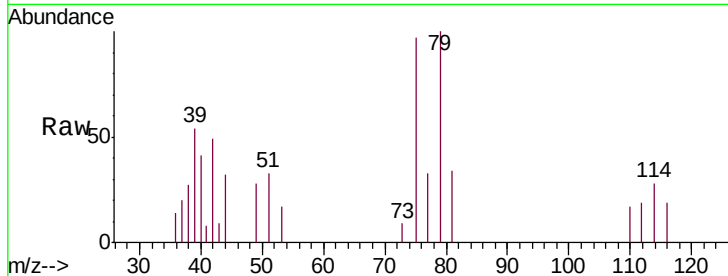
MDL03

Tgt Ion: 75 Resp: 3660

Ion Ratio Lower Upper

75 100

77 34.0 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VV015934.D (-2030) (-)

Ion 77.05 (76.75 to 77.75): VV015934.D (-2030) (-)

7.68

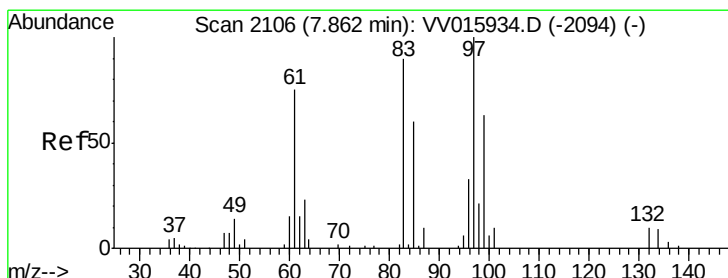
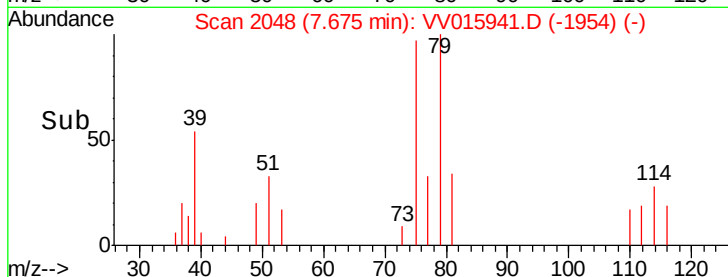
1500

1000

500

0

Time-->



#47

1,1,2-Trichloroethane

Concen: 0.244 ug/L

RT: 7.87 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VV015941.D

Acq: 07 May 2020 15:10

Tgt Ion: 97 Resp: 1542

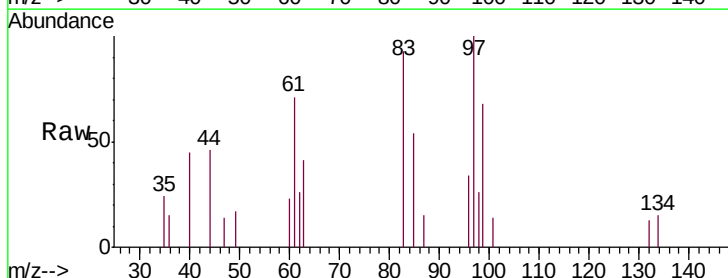
Ion Ratio Lower Upper

97 100

99 68.1 42.1 78.1

83 93.3 59.2 110.0

85 53.6 38.6 71.8



Abundance Ion 96.95 (96.65 to 97.65): VV015934.D (-2094) (-)

Ion 99.05 (98.75 to 99.75): VV015934.D (-2094) (-)

Ion 82.95 (82.65 to 83.65): VV015934.D (-2094) (-)

Ion 85.00 (84.70 to 85.70): VV015934.D (-2094) (-)

1200

1000

800

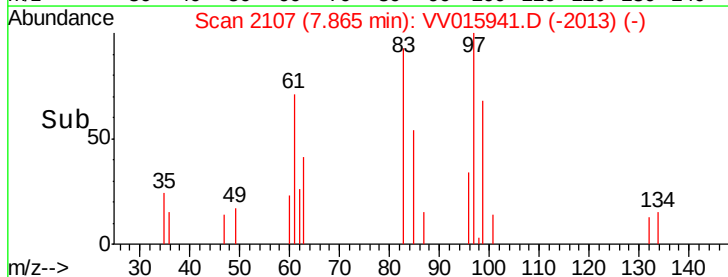
600

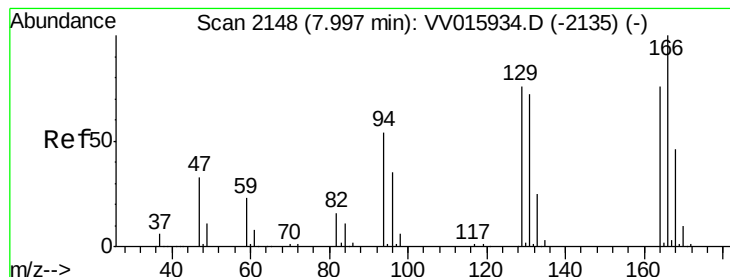
400

200

0

Time-->





#49

Tetrachloroethene

Concen: 0.263 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV015941.D

Acq: 07 May 2020 15:10

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tgt Ion: 164 Resp: 1950

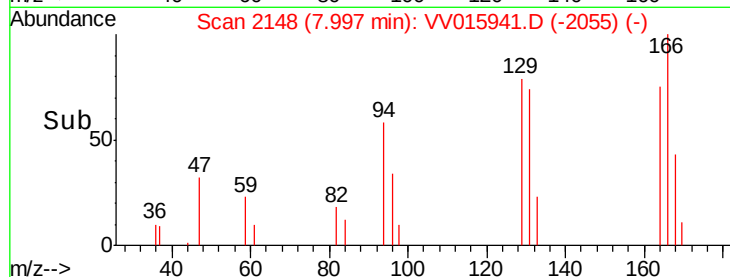
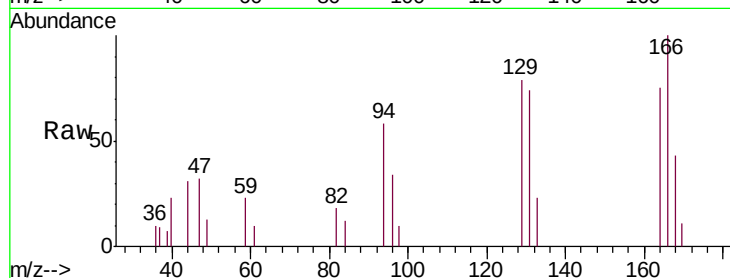
Ion Ratio Lower Upper

164 100

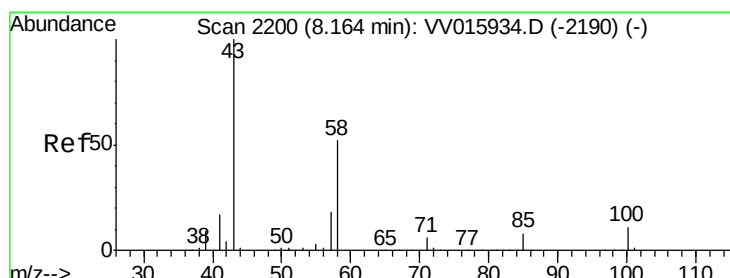
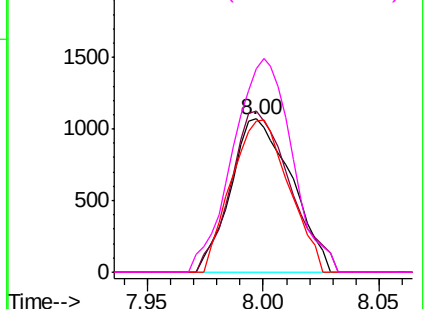
129 105.4 69.7 129.4

131 98.8 66.8 124.2

166 132.8 89.1 165.5



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: 3.675 ug/L

RT: 8.17 min Scan# 2203

Delta R.T. 0.01 min

Lab File: VV015941.D

Acq: 07 May 2020 15:10

Tgt Ion: 43 Resp: 15325

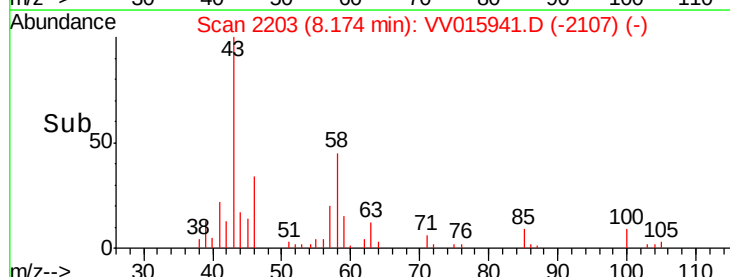
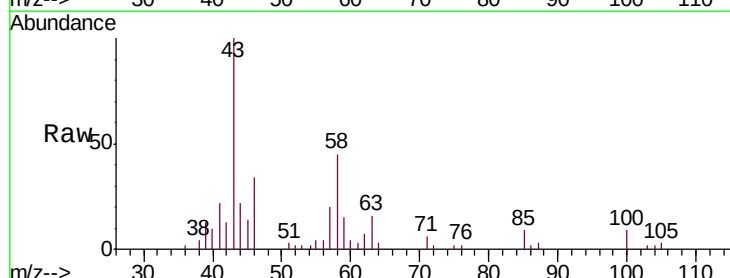
Ion Ratio Lower Upper

43 100

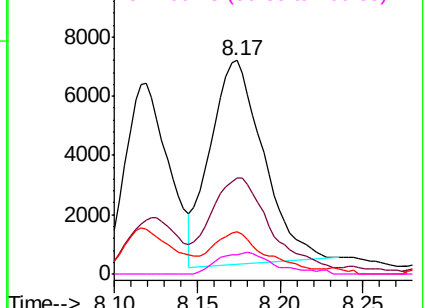
58 49.5 40.8 61.2

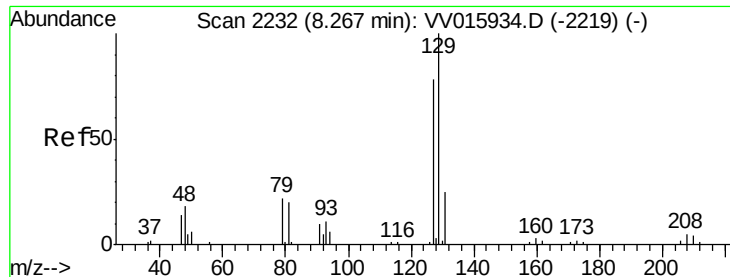
57 20.7 14.7 22.1

100 11.3 9.0 13.6



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





#51

Dibromochloromethane

Concen: 0.235 ug/L

RT: 8.27 min Scan# 2233

Delta R.T. 0.00 min

Lab File: VV015941.D

Acq: 07 May 2020 15:10

Instrument :

MSVOA_V

ClientSampleId :

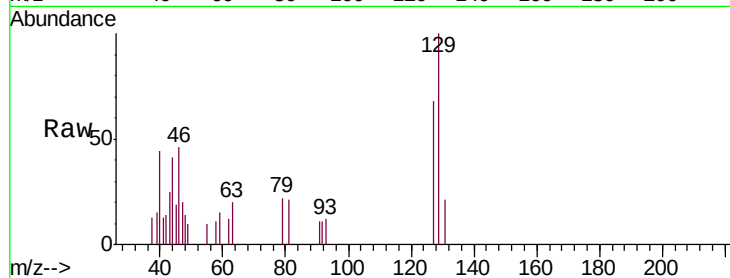
MDL03

Tgt Ion:129 Resp: 1667

Ion Ratio Lower Upper

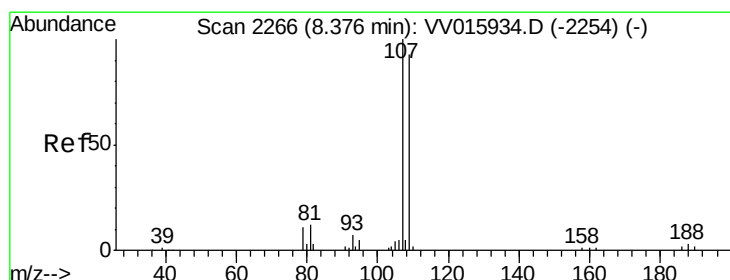
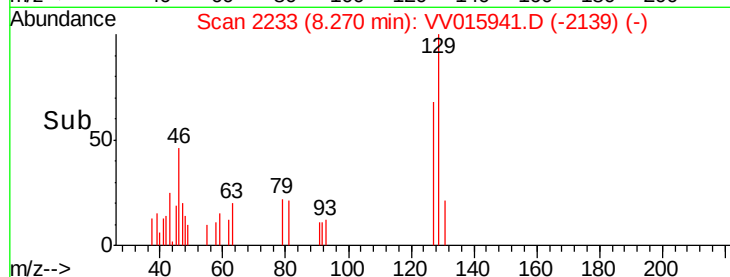
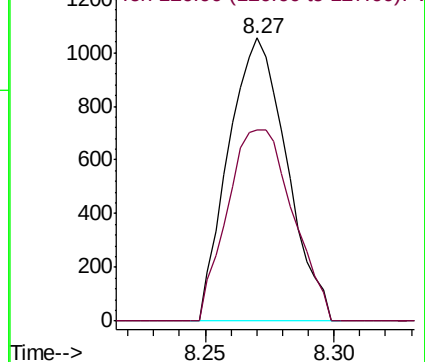
129 100

127 67.6 56.0 104.0



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#52

1,2-Dibromoethane

Concen: 0.235 ug/L

RT: 8.38 min Scan# 2267

Delta R.T. 0.00 min

Lab File: VV015941.D

Acq: 07 May 2020 15:10

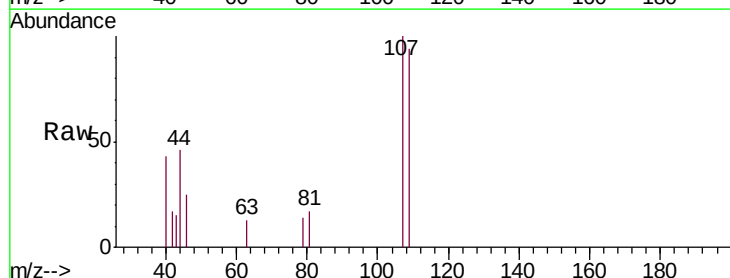
Tgt Ion:107 Resp: 1374

Ion Ratio Lower Upper

107 100

109 94.0 68.9 127.9

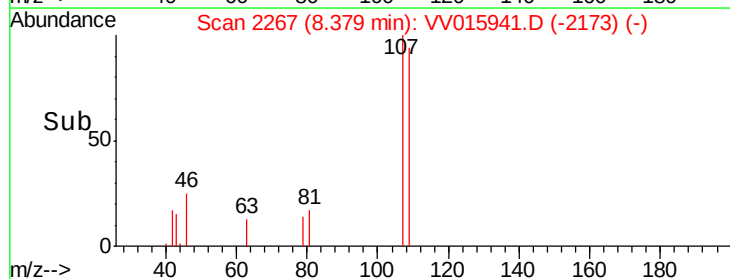
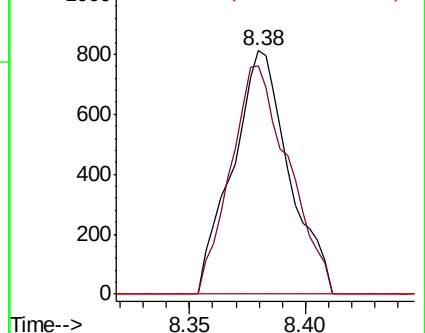
188 0.0 2.7 4.1#

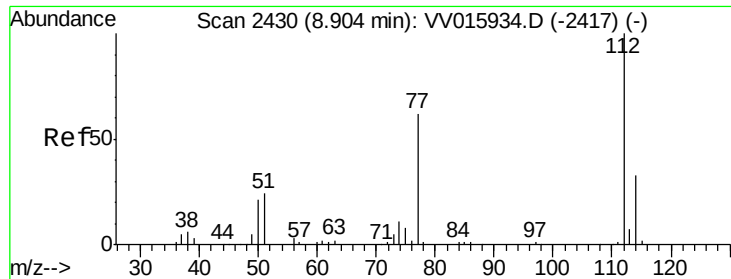


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V

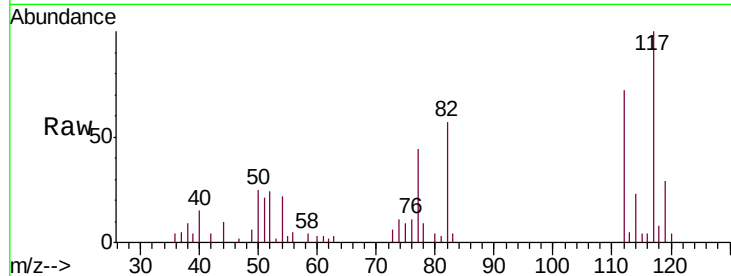




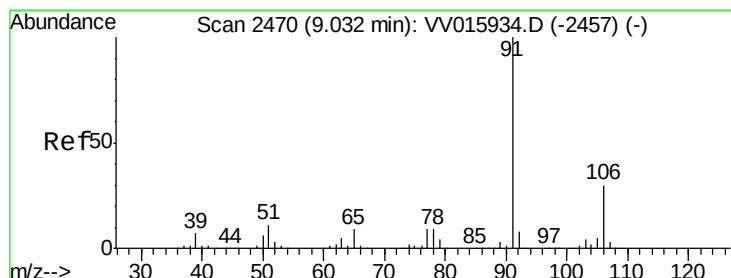
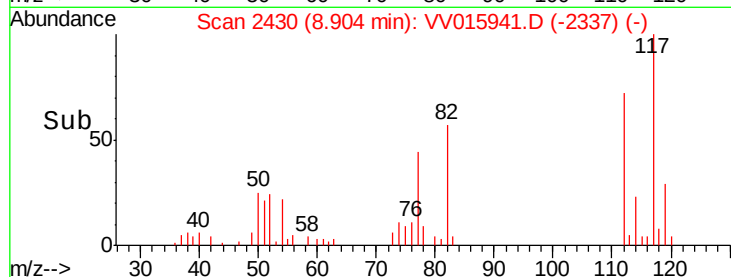
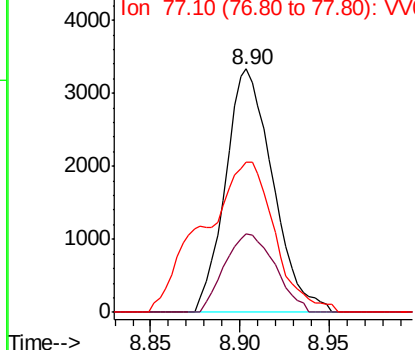
#53
Chlorobenzene
Concen: 0.242 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV015941.D
Acq: 07 May 2020 15:10

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tgt Ion: 112 Resp: 6145
Ion Ratio Lower Upper
112 100
114 32.1 21.6 40.0
77 61.7 48.6 73.0

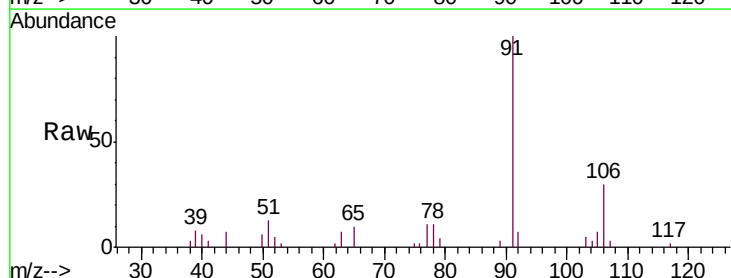


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

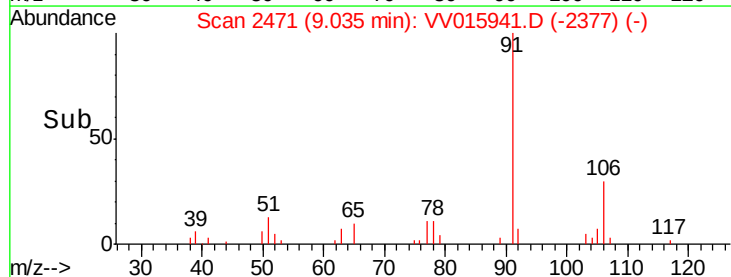
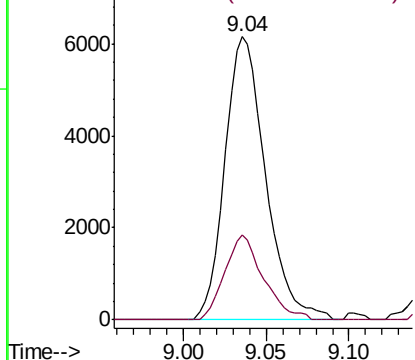


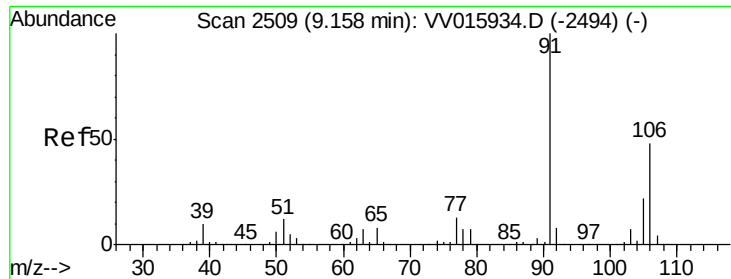
#54
Ethylbenzene
Concen: 0.234 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV015941.D
Acq: 07 May 2020 15:10

Tgt Ion: 91 Resp: 10484
Ion Ratio Lower Upper
91 100
106 30.1 20.6 38.4



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

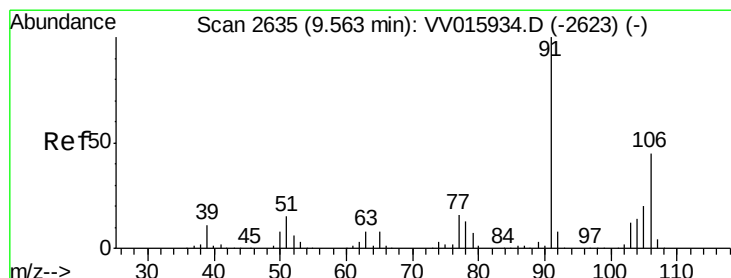
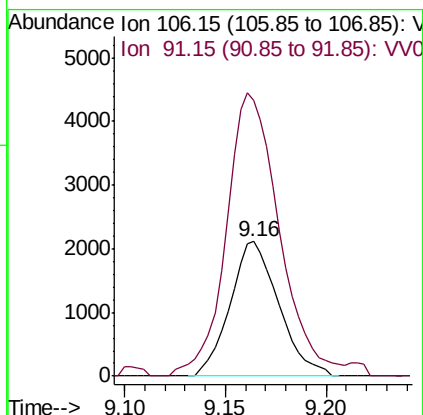
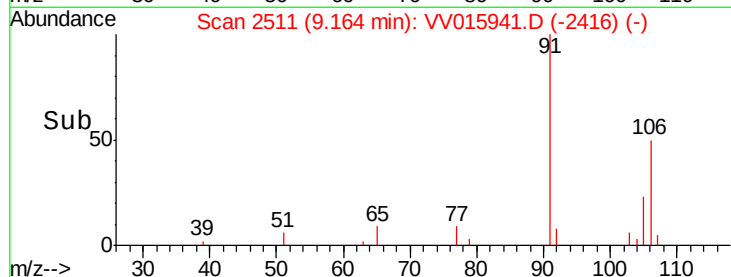
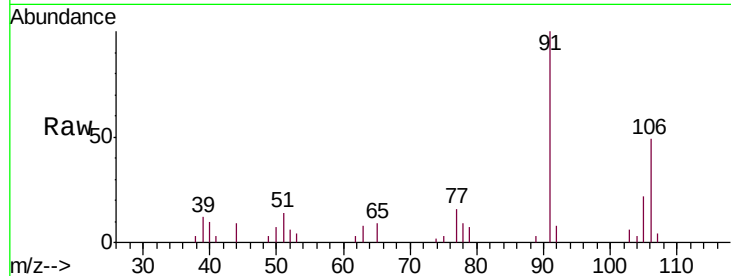




#55
m,p-xylene
Concen: 0.215 ug/L
RT: 9.16 min Scan# 2511
Delta R.T. 0.01 min
Lab File: VV015941.D
Acq: 07 May 2020 15:10

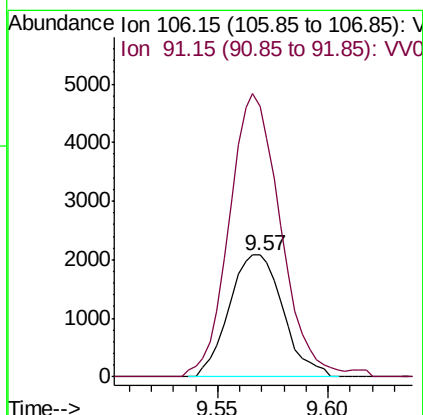
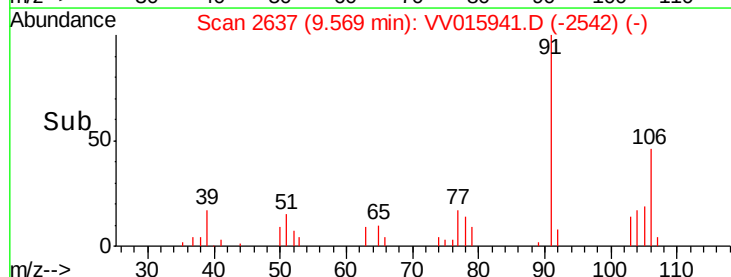
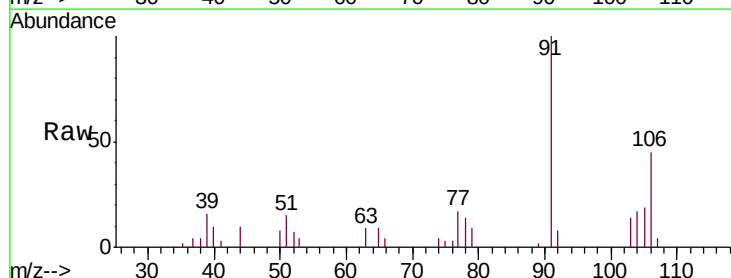
Instrument :
MSVOA_V
ClientSampled :
MDL03

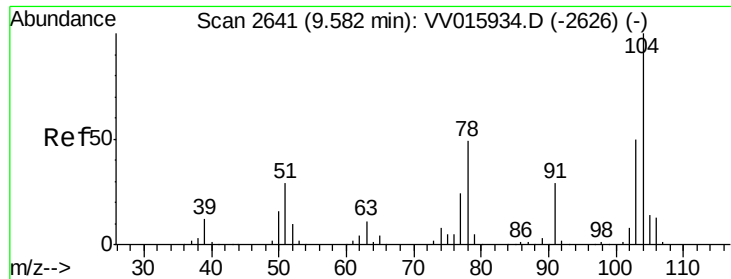
Tgt Ion:106 Resp: 3567
Ion Ratio Lower Upper
106 100
91 204.2 149.9 278.3



#56
o-xylene
Concen: 0.223 ug/L
RT: 9.57 min Scan# 2637
Delta R.T. 0.01 min
Lab File: VV015941.D
Acq: 07 May 2020 15:10

Tgt Ion:106 Resp: 3539
Ion Ratio Lower Upper
106 100
91 221.5 159.7 296.5





#57

Styrene

Concen: 0.209 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV015941.D

Acq: 07 May 2020 15:10

Instrument :

MSVOA_V

ClientSampled :

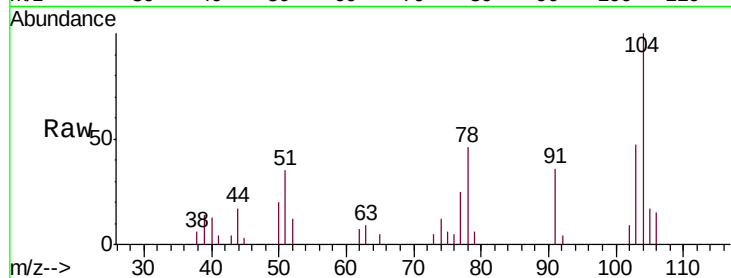
MDL03

Tgt Ion:104 Resp: 5560

Ion Ratio Lower Upper

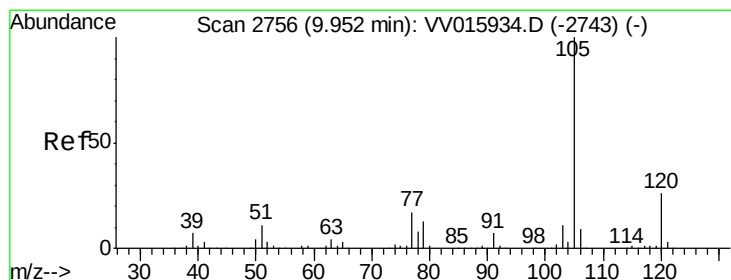
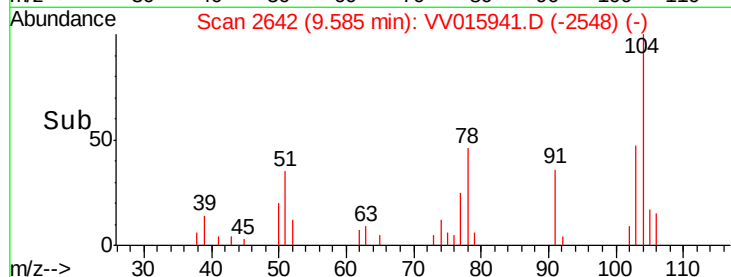
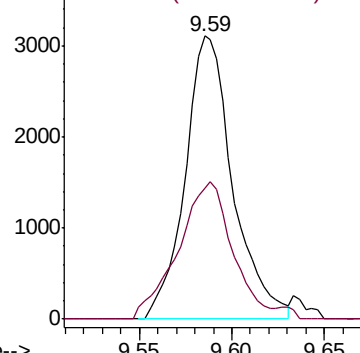
104 100

78 46.2 33.9 63.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



#58

Isopropylbenzene

Concen: 0.220 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015941.D

Acq: 07 May 2020 15:10

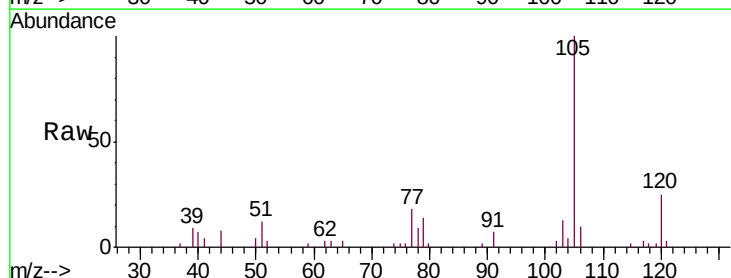
Tgt Ion:105 Resp: 9614

Ion Ratio Lower Upper

105 100

120 24.1 20.8 31.2

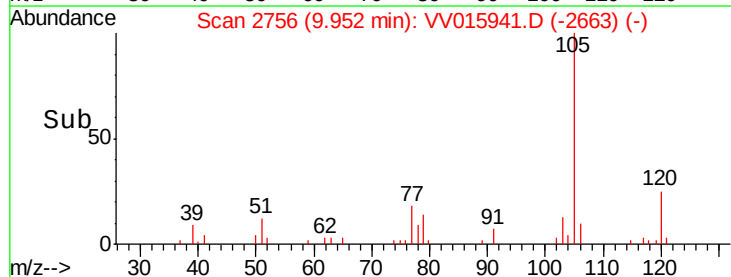
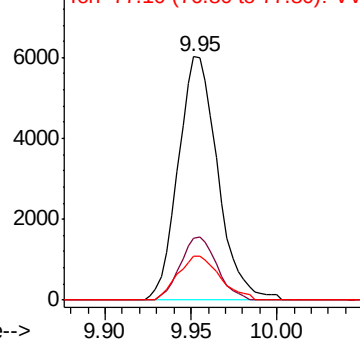
77 19.2 14.1 21.1

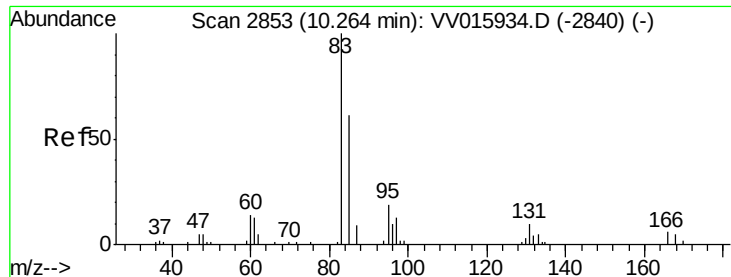


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0

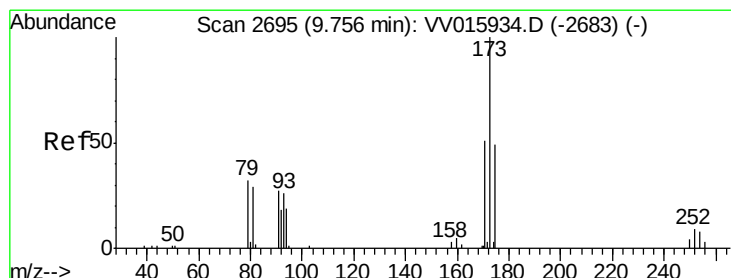
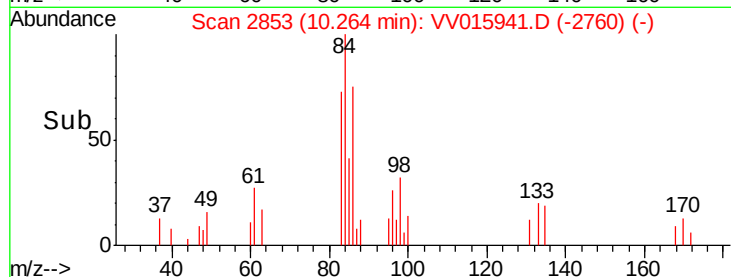
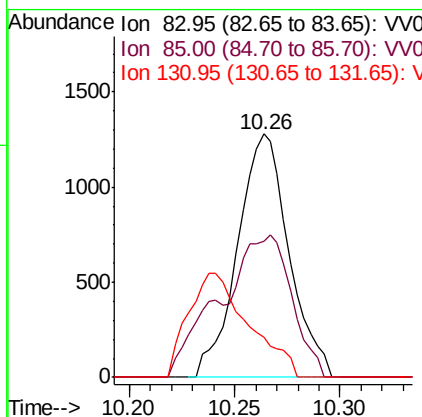
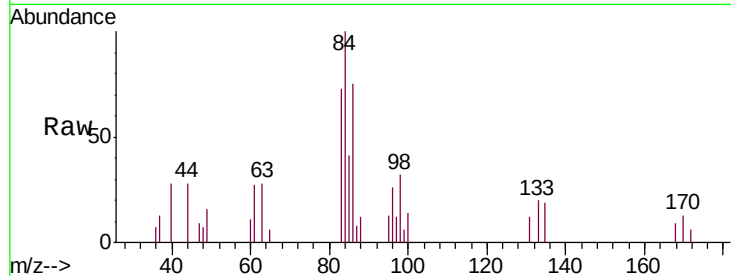




#60
 1,1,2,2-Tetrachloroethane
 Concen: 0.320 ug/L
 RT: 10.26 min Scan# 2853
 Delta R.T. -0.00 min
 Lab File: VV015941.D
 Acq: 07 May 2020 15:10

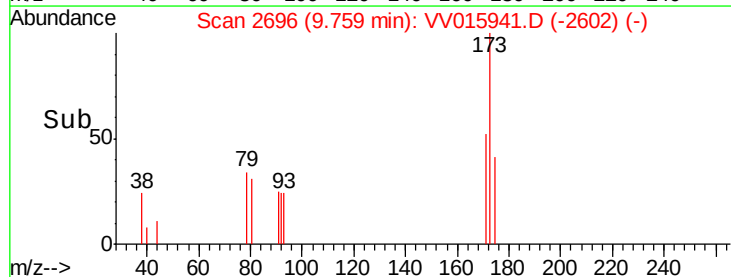
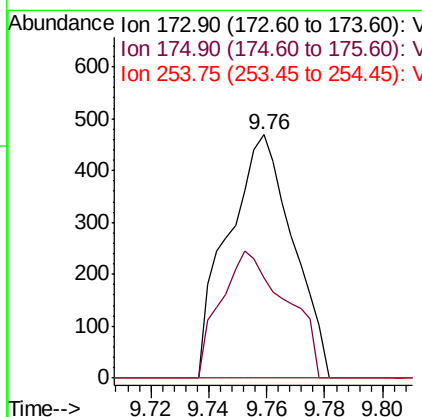
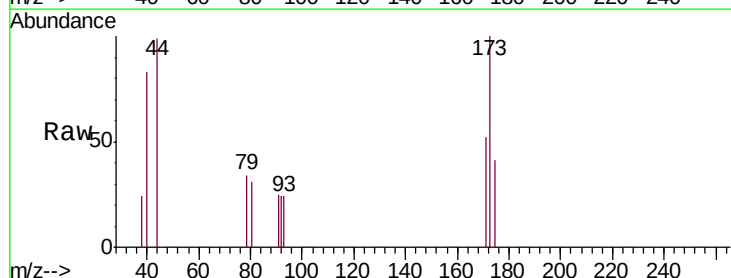
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

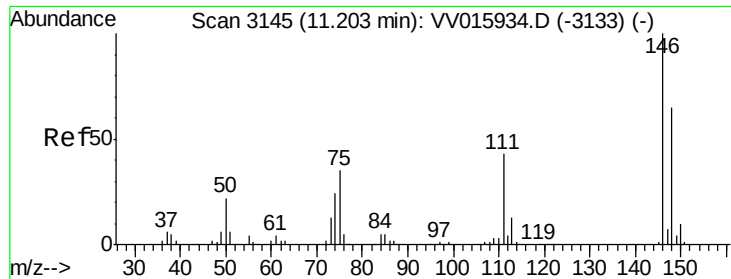
Tgt Ion: 83 Resp: 2161
 Ion Ratio Lower Upper
 83 100
 85 56.1 44.0 81.6
 131 16.3 7.7 11.5#



#62
 Bromoform
 Concen: 0.229 ug/L
 RT: 9.76 min Scan# 2696
 Delta R.T. 0.00 min
 Lab File: VV015941.D
 Acq: 07 May 2020 15:10

Tgt Ion: 173 Resp: 728
 Ion Ratio Lower Upper
 173 100
 175 53.0 39.8 59.8
 254 0.0 7.1 10.7#

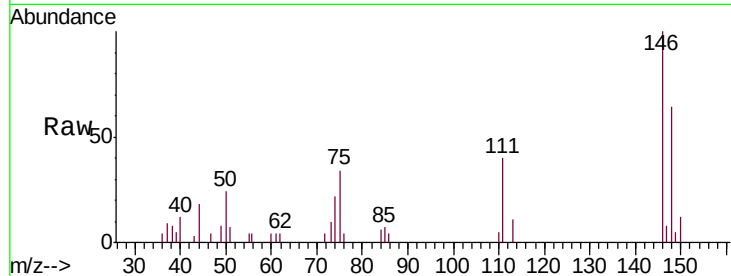




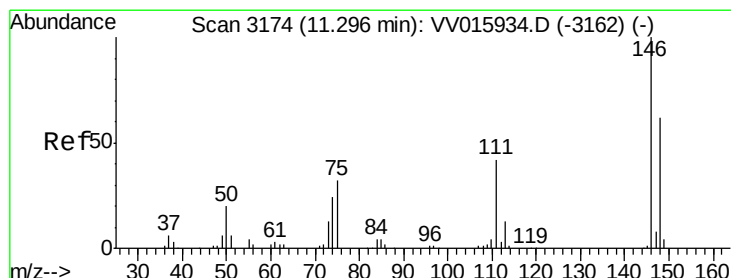
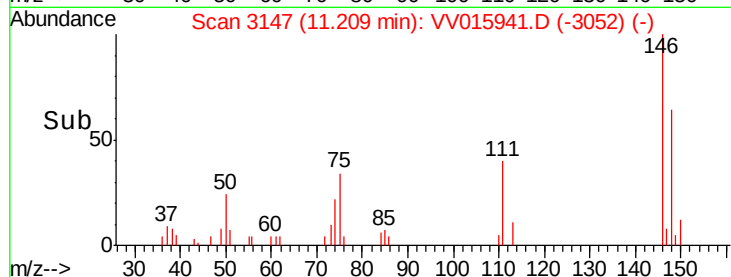
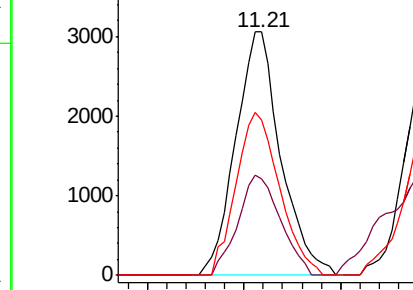
#63
 1,3-Dichlorobenzene
 Concen: 0.266 ug/L
 RT: 11.21 min Scan# 3147
 Delta R.T. 0.01 min
 Lab File: VV015941.D
 Acq: 07 May 2020 15:10

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tgt Ion:146 Resp: 4959
 Ion Ratio Lower Upper
 146 100
 111 39.8 28.7 53.3
 148 63.8 44.0 81.8

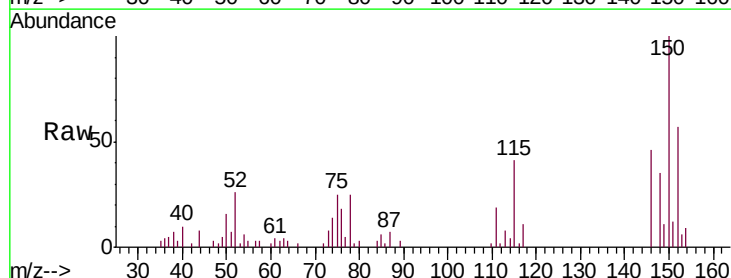


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

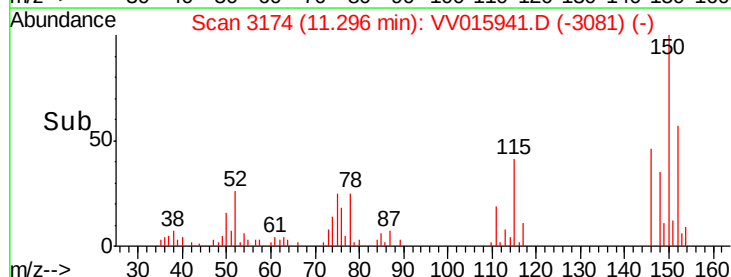
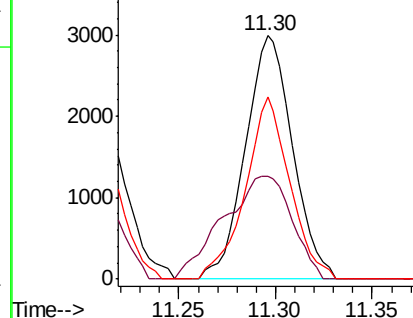


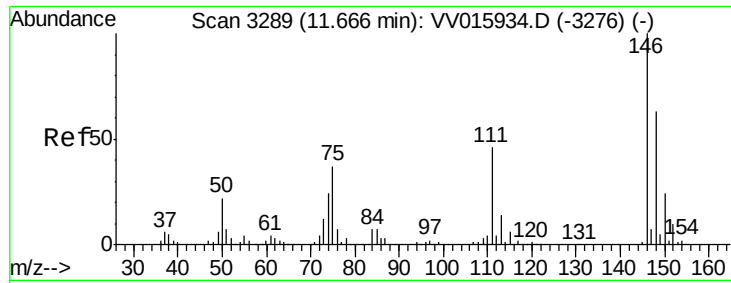
#64
 1,4-Dichlorobenzene
 Concen: 0.271 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV015941.D
 Acq: 07 May 2020 15:10

Tgt Ion:146 Resp: 5074
 Ion Ratio Lower Upper
 146 100
 111 42.0 28.9 53.7
 148 74.8 44.6 82.8



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

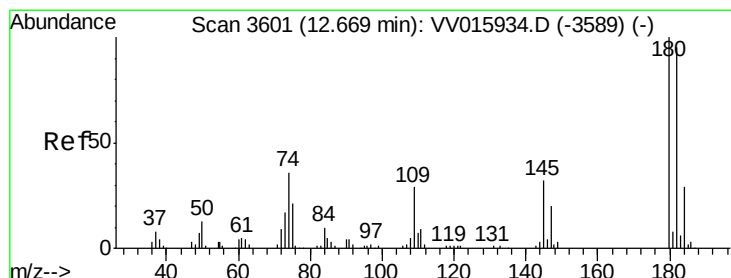
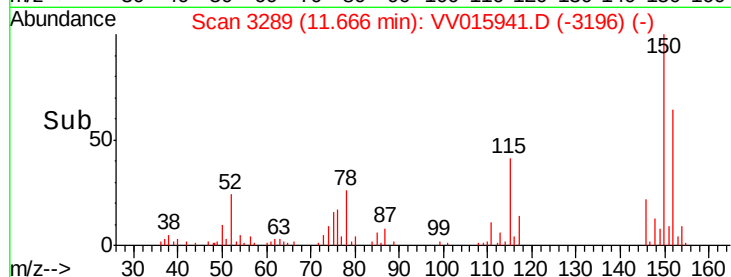
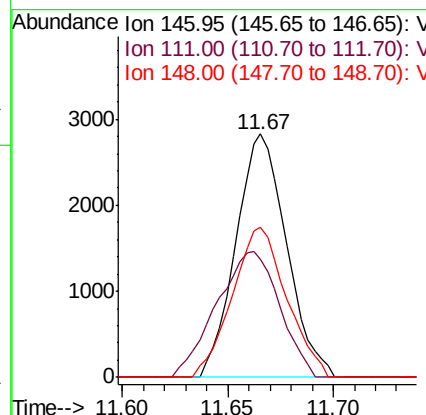
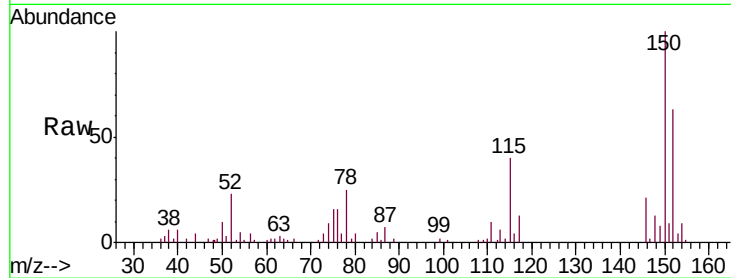




#66
 1,2-Dichlorobenzene
 Concen: 0.279 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV015941.D
 Acq: 07 May 2020 15:10

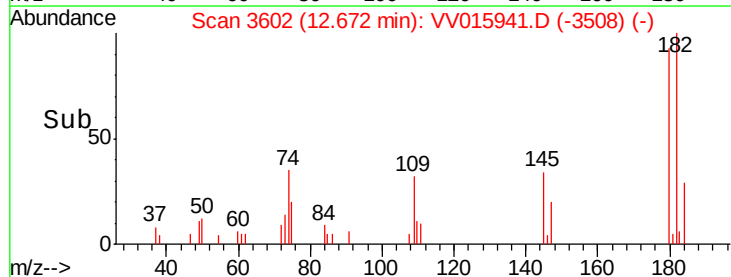
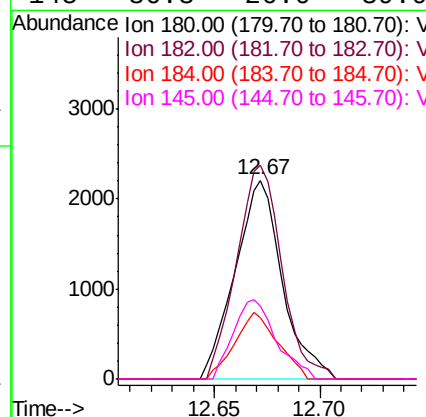
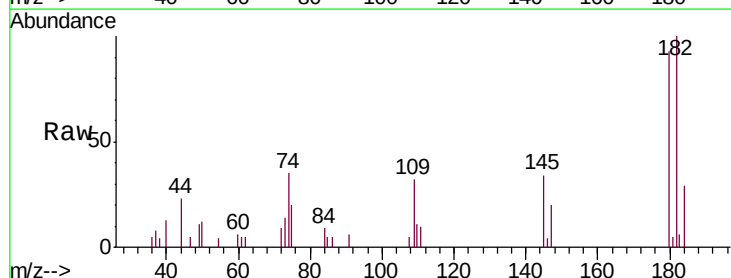
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

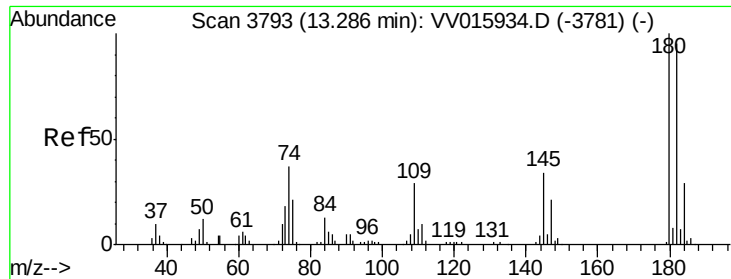
Tgt Ion:146 Resp: 4713
 Ion Ratio Lower Upper
 146 100
 111 48.6 37.0 55.4
 148 61.7 49.8 74.6



#68
 1,3,5-Trichlorobenzene
 Concen: 0.251 ug/L
 RT: 12.67 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VV015941.D
 Acq: 07 May 2020 15:10

Tgt Ion:180 Resp: 3428
 Ion Ratio Lower Upper
 180 100
 182 103.2 75.8 113.6
 184 30.3 24.6 36.8
 145 36.3 26.0 39.0

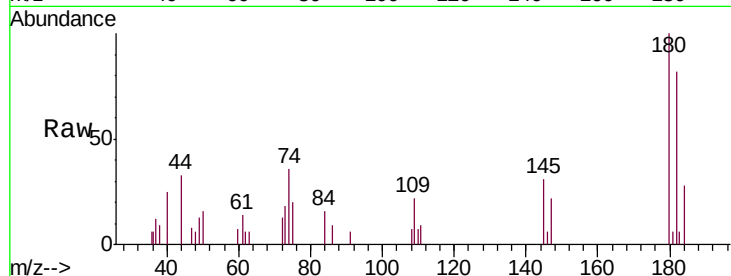




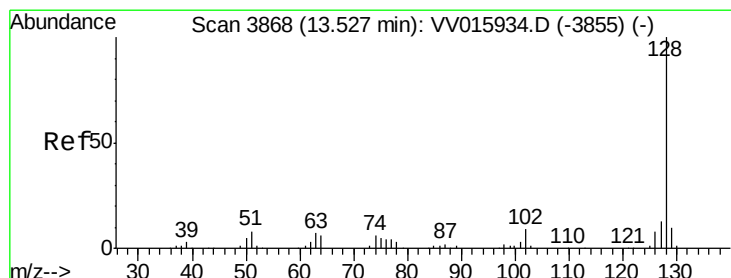
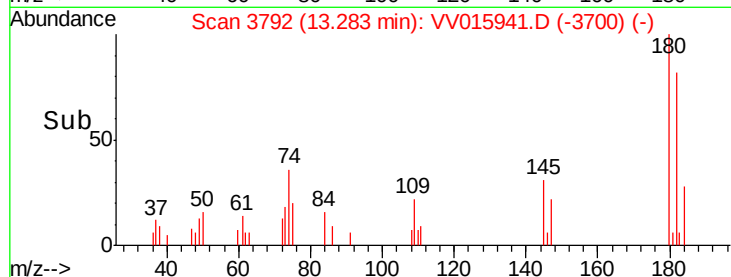
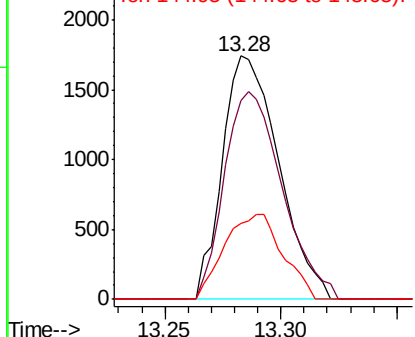
#69
 1,2,4-trichlorobenzene
 Concen: 0.251 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV015941.D
 Acq: 07 May 2020 15:10

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tgt Ion:180 Resp: 2938
 Ion Ratio Lower Upper
 180 100
 182 87.4 76.7 115.1
 145 36.0 26.4 39.6

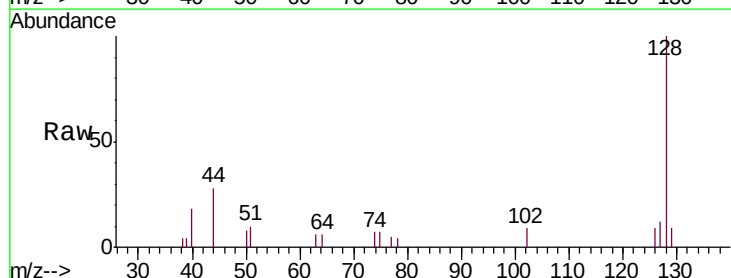


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

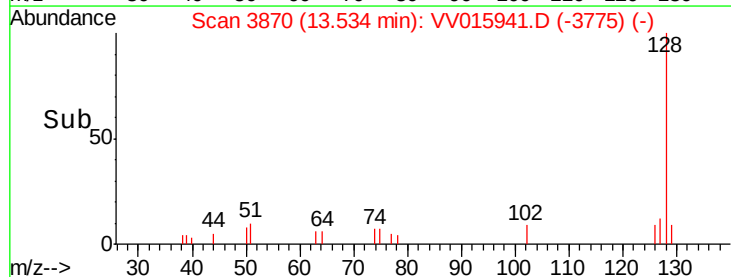
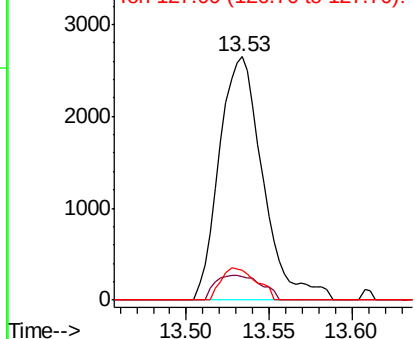


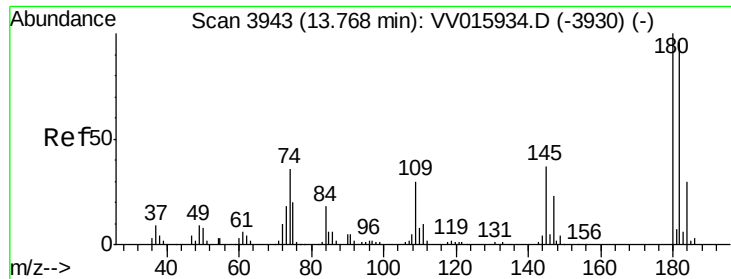
#70
 Naphthalene
 Concen: 0.260 ug/L
 RT: 13.53 min Scan# 3870
 Delta R.T. 0.01 min
 Lab File: VV015941.D
 Acq: 07 May 2020 15:10

Tgt Ion:128 Resp: 4852
 Ion Ratio Lower Upper
 128 100
 129 10.7 8.5 12.7
 127 10.6 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V

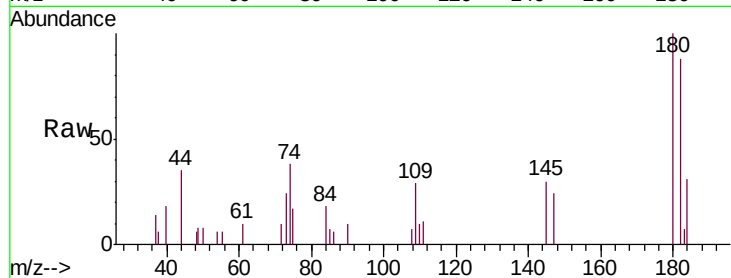




#71
 1,2,3-Trichlorobenzene
 Concen: 0.250 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV015941.D
 Acq: 07 May 2020 15:10

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tgt Ion:180 Resp: 2585
 Ion Ratio Lower Upper
 180 100
 182 102.1 77.0 115.6
 145 32.1 28.3 42.5



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

