

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050322\
 Data File : VD072767.D
 Acq On : 03 May 2022 14:29
 Operator : VA/SY
 Sample : N2606-01
 Misc : 7.22G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-3

Quant Time: May 04 01:25:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

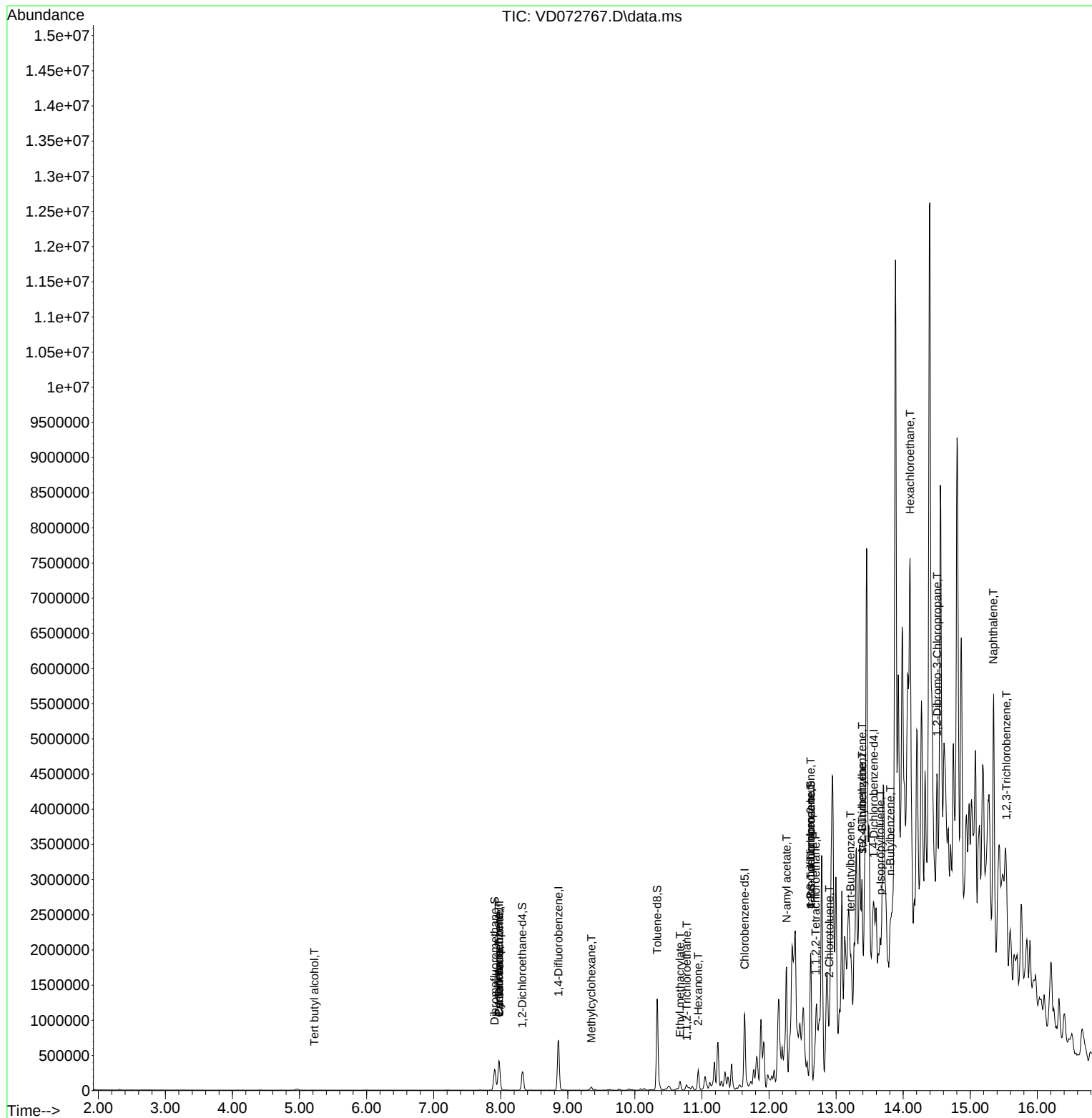
Internal Standards						
1) Pentafluorobenzene	7.973	168	297501	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	599970	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	609398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	247852	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	214989	55.671	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.340%	
35) Dibromofluoromethane	7.909	113	212785	50.499	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.000%	
50) Toluene-d8	10.332	98	777339	51.429	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.860%	
62) 4-Bromofluorobenzene	12.620	95	308402	54.721	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 109.440%	
Target Compounds						Qvalue
5) Bromomethane	2.785	94	1365	Below Cal		87
11) Tert butyl alcohol	5.220	59	516	1.544 ug/l #		74
16) Acetone	4.162	43	2526	Below Cal #		87
20) Methylene Chloride	4.956	84	12940	Below Cal #		77
31) Cyclohexane	7.973	56	9182	1.360 ug/l #		21
36) 1,1-Dichloropropene	7.973	75	26481	3.865 ug/l #		51
38) Carbon Tetrachloride	7.979	117	31863	4.480 ug/l #		17
39) Methylcyclohexane	9.350	83	15020	1.890 ug/l #		89
55) 1,1,2-Trichloroethane	10.773	97	24389	6.294 ug/l #		24
56) Ethyl methacrylate	10.673	69	11881	2.604 ug/l #		1
59) 2-Hexanone	10.944	43	103068	50.706 ug/l #		31
74) N-amyl acetate	12.261	43	369743	76.994 ug/l #		61
75) 1,1,2,2-Tetrachloroethane	12.697	83	63342	16.272 ug/l #		55
76) 1,2,3-Trichloropropane	12.620	75	143130	51.789 ug/l #		100
79) 2-Chlorotoluene	12.897	91	15634	1.101 ug/l #		42
81) trans-1,4-Dichloro-2-b...	12.620	75	143130	119.094 ug/l #		15
83) tert-Butylbenzene	13.214	119	36052	2.593 ug/l		71
84) 1,2,4-Trimethylbenzene	13.391	105	156777	9.592 ug/l #		32
85) sec-Butylbenzene	13.391	105	156777	7.477 ug/l		87
86) p-Isopropyltoluene	13.661	119	164384	9.563 ug/l #		83
89) n-Butylbenzene	13.808	91	55361	3.325 ug/l #		34
90) Hexachloroethane	14.102	117	172411	48.958 ug/l #		17
92) 1,2-Dibromo-3-Chloropr...	14.508	75	6646	10.770 ug/l #		6
95) Naphthalene	15.343	128	38208	4.365 ug/l #		1
96) 1,2,3-Trichlorobenzene	15.538	180	15099	3.577 ug/l #		1

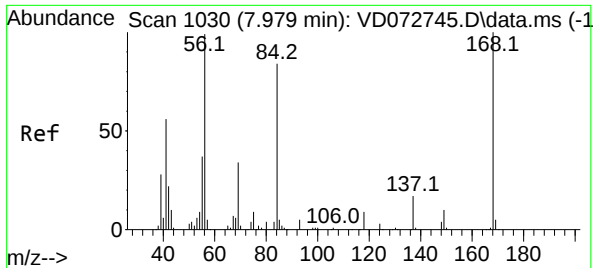
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050322\
Data File : VD072767.D
Acq On : 03 May 2022 14:29
Operator : VA/SY
Sample : N2606-01
Misc : 7.22G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
WC-3

Quant Time: May 04 01:25:35 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
Quant Title : SW846 8260
QLast Update : Tue May 03 08:33:49 2022
Response via : Initial Calibration

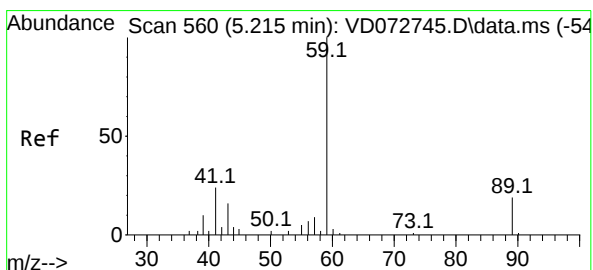
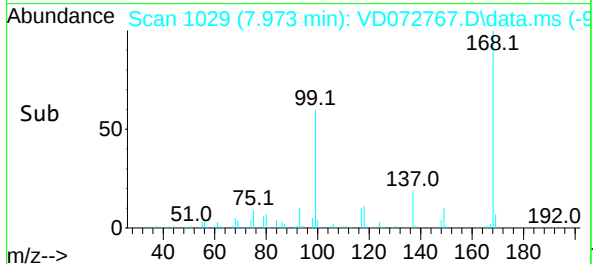
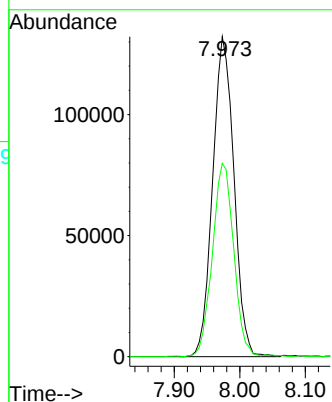
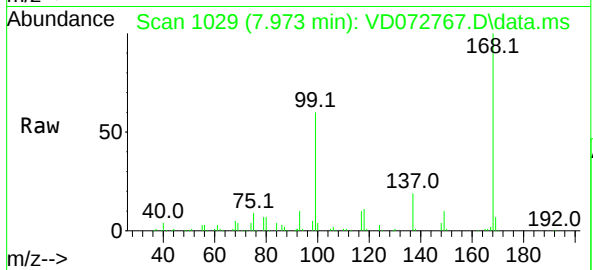




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD072767.D
Acq: 03 May 2022 14:29

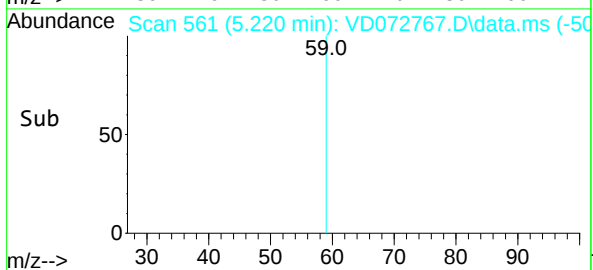
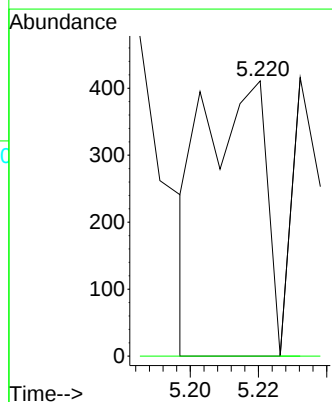
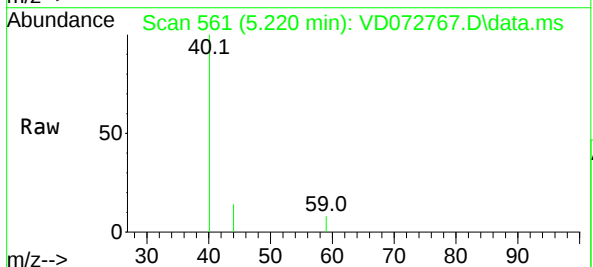
Instrument :
MSVOA_D
ClientSampleId :
WC-3

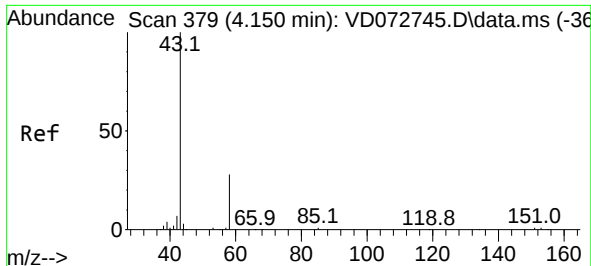
Tgt Ion:168 Resp: 297501
Ion Ratio Lower Upper
168 100
99 60.3 49.8 74.6



#11
Tert butyl alcohol
Concen: 1.544 ug/l
RT: 5.220 min Scan# 561
Delta R.T. 0.005 min
Lab File: VD072767.D
Acq: 03 May 2022 14:29

Tgt Ion: 59 Resp: 516
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

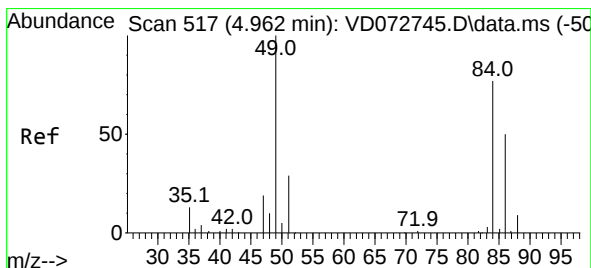
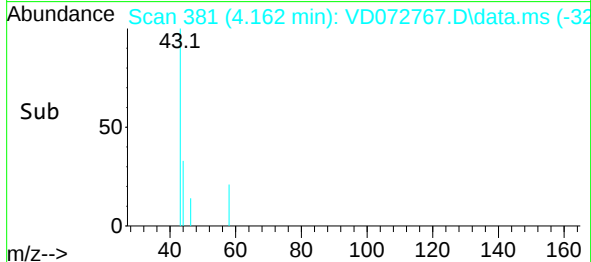
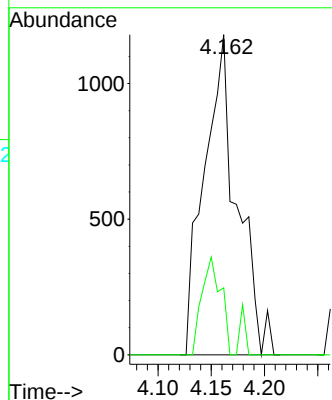
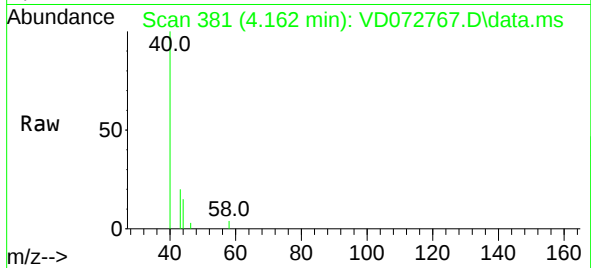




#16
Acetone
Concen: Below Cal
RT: 4.162 min Scan# 31
Delta R.T. 0.012 min
Lab File: VD072767.D
Acq: 03 May 2022 14:29

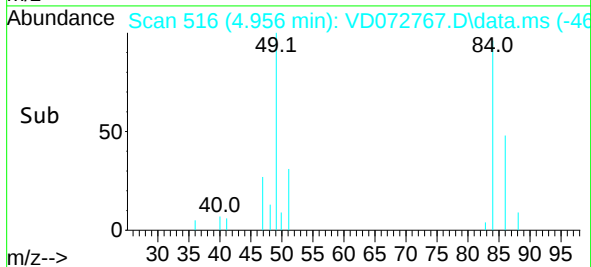
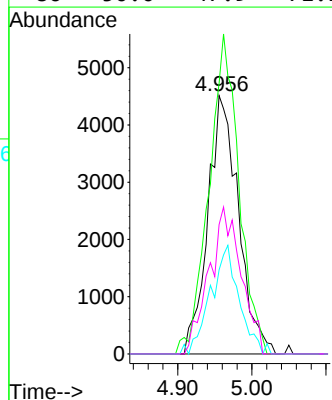
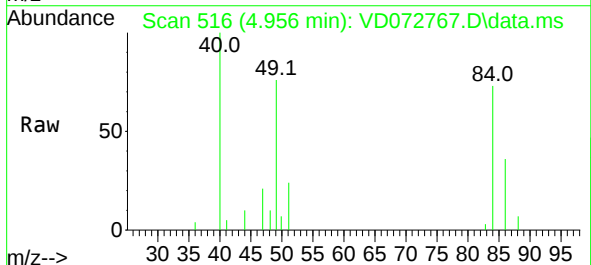
Instrument :
MSVOA_D
ClientSampleId :
WC-3

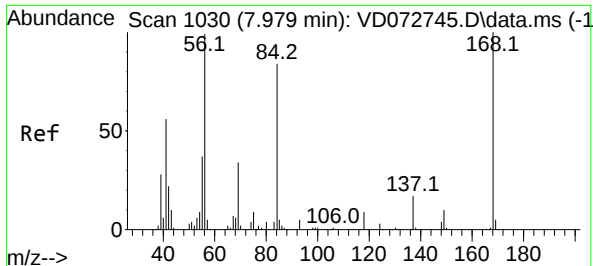
Tgt Ion: 43 Resp: 2526
Ion Ratio Lower Upper
43 100
58 20.9 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD072767.D
Acq: 03 May 2022 14:29

Tgt Ion: 84 Resp: 12940
Ion Ratio Lower Upper
84 100
49 104.6 112.8 169.2#
51 32.5 32.6 48.8#
86 50.0 47.9 71.9





#31

Cyclohexane

Concen: 1.360 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD072767.D

Acq: 03 May 2022 14:29

Instrument :

MSVOA_D

ClientSampleId :

WC-3

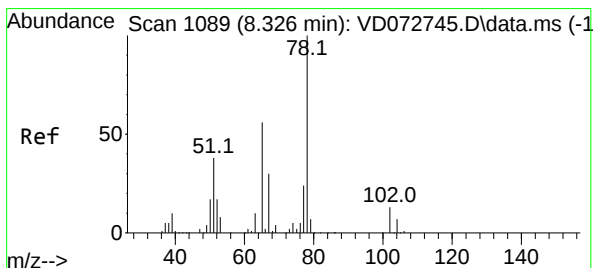
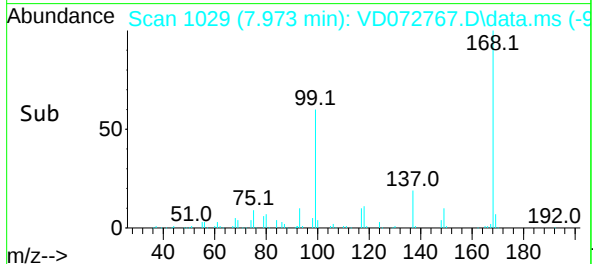
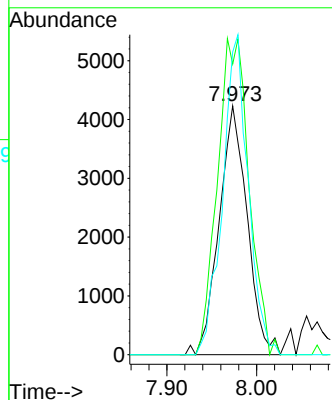
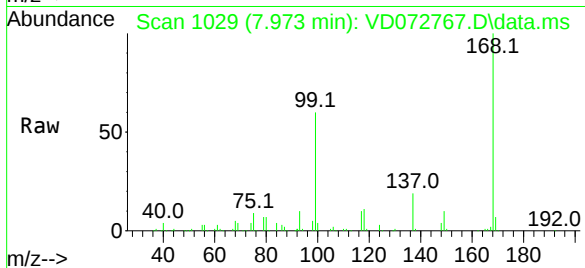
Tgt Ion: 56 Resp: 9182

Ion Ratio Lower Upper

56 100

69 116.7 25.4 38.2#

84 121.6 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 55.671 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD072767.D

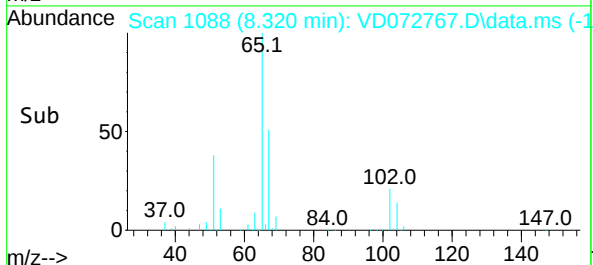
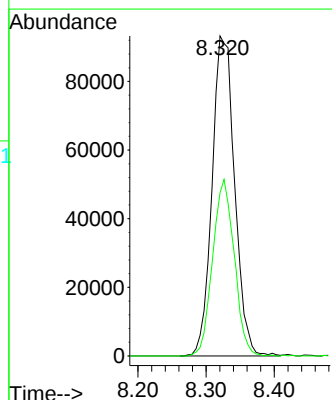
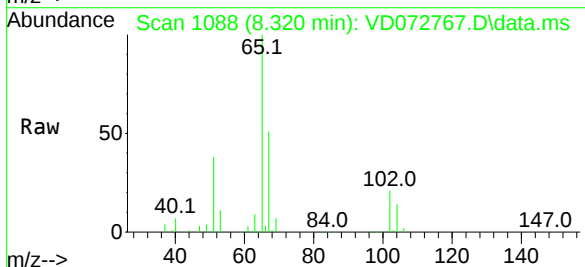
Acq: 03 May 2022 14:29

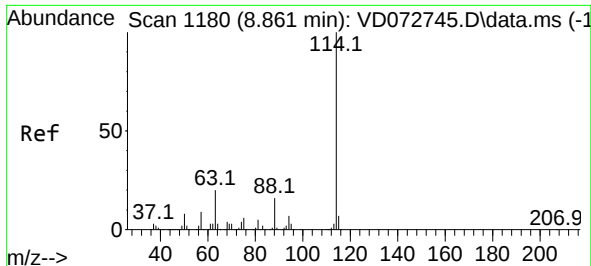
Tgt Ion: 65 Resp: 214989

Ion Ratio Lower Upper

65 100

67 52.8 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072767.D

Acq: 03 May 2022 14:29

Instrument :

MSVOA_D

ClientSampleId :

WC-3

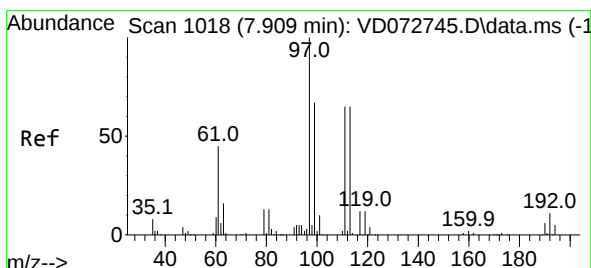
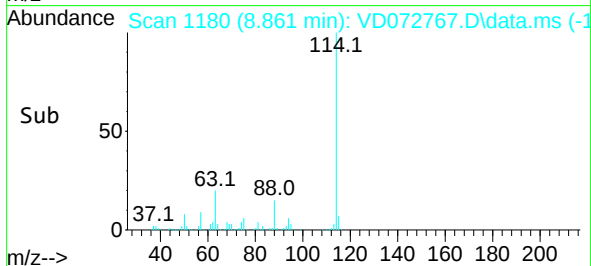
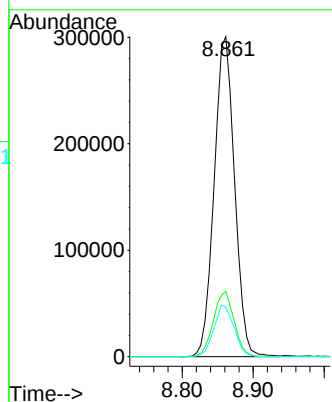
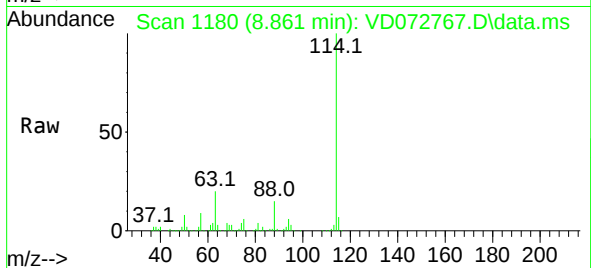
Tgt Ion:114 Resp: 599970

Ion Ratio Lower Upper

114 100

63 20.4 0.0 46.6

88 15.4 0.0 33.2



#35

Dibromofluoromethane

Concen: 50.499 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD072767.D

Acq: 03 May 2022 14:29

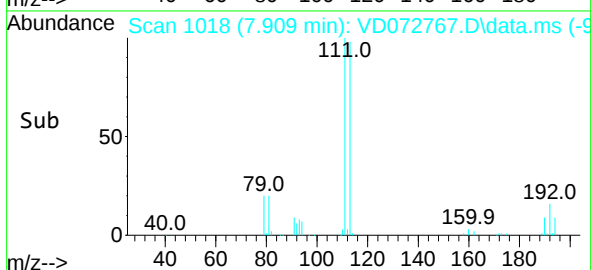
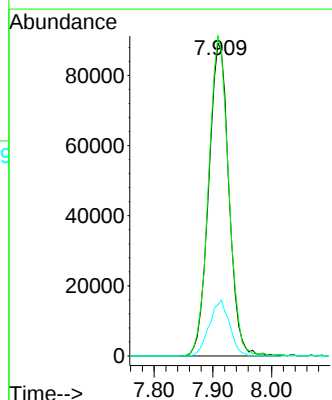
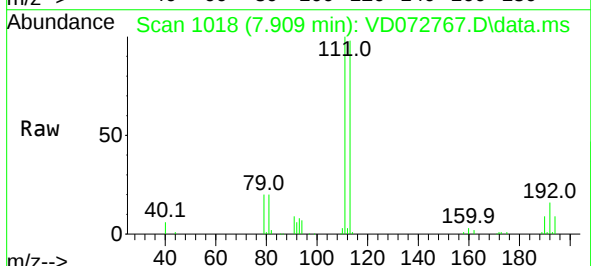
Tgt Ion:113 Resp: 212785

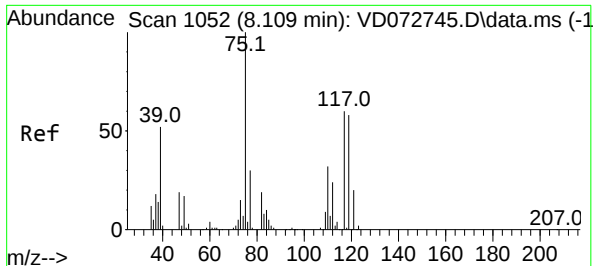
Ion Ratio Lower Upper

113 100

111 101.6 83.8 125.6

192 17.8 14.6 21.8





#36

1,1-Dichloropropene

Concen: 3.865 ug/l

RT: 7.973 min Scan# 1

Delta R.T. -0.136 min

Lab File: VD072767.D

Acq: 03 May 2022 14:29

Instrument :

MSVOA_D

ClientSampleId :

WC-3

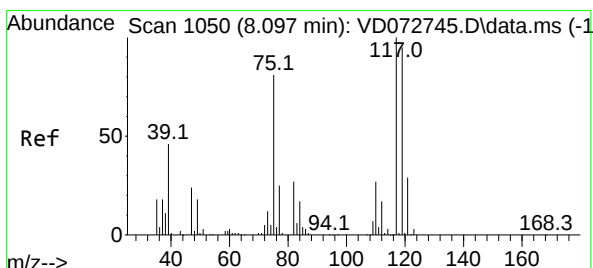
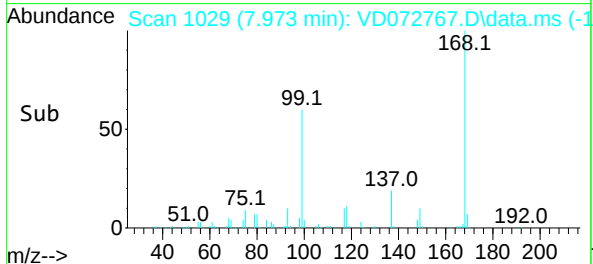
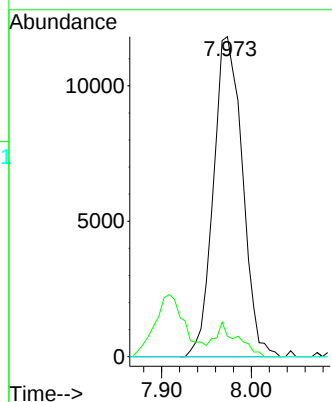
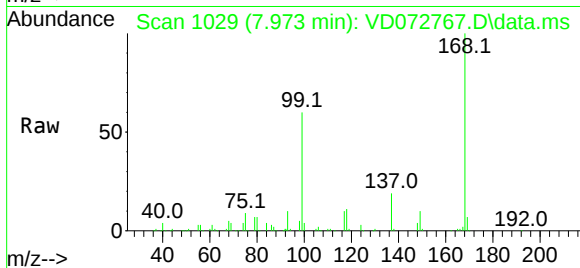
Tgt Ion: 75 Resp: 26481

Ion Ratio Lower Upper

75 100

110 8.3 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 4.480 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD072767.D

Acq: 03 May 2022 14:29

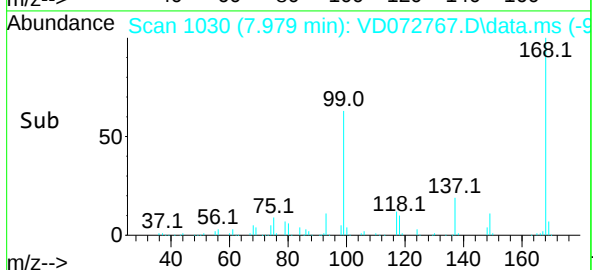
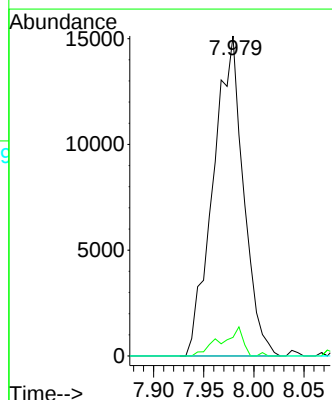
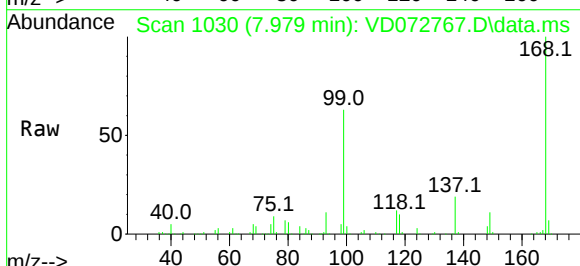
Tgt Ion: 117 Resp: 31863

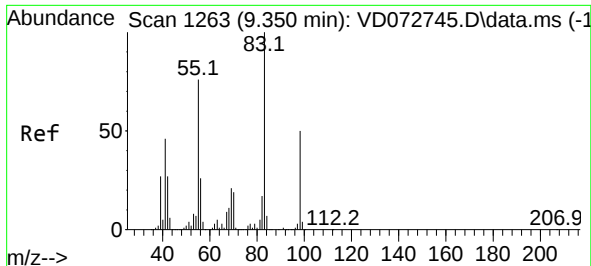
Ion Ratio Lower Upper

117 100

119 5.8 75.8 113.6#

121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 1.890 ug/l

RT: 9.350 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD072767.D

Acq: 03 May 2022 14:29

Instrument :

MSVOA_D

ClientSampleId :

WC-3

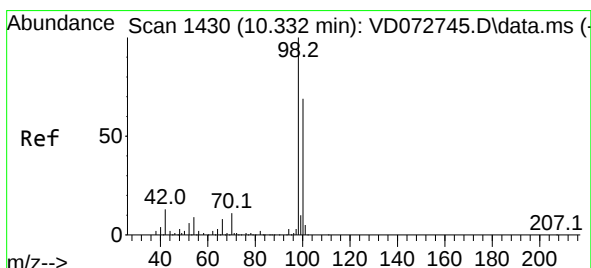
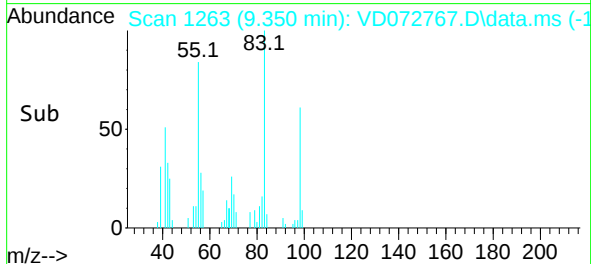
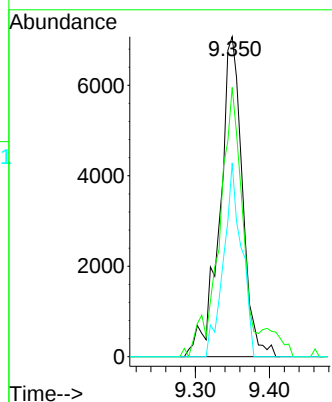
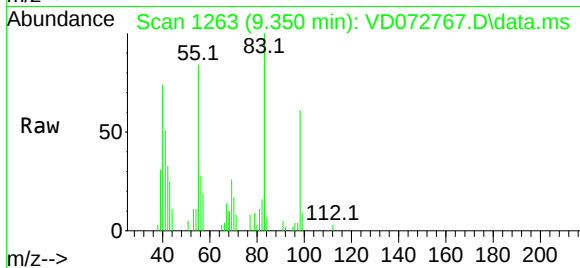
Tgt Ion: 83 Resp: 15020

Ion Ratio Lower Upper

83 100

55 84.2 63.2 94.8

98 60.6 38.2 57.4#



#50

Toluene-d8

Concen: 51.429 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD072767.D

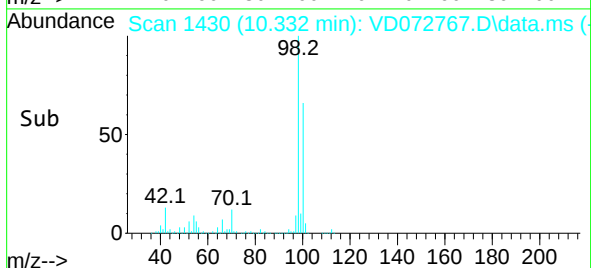
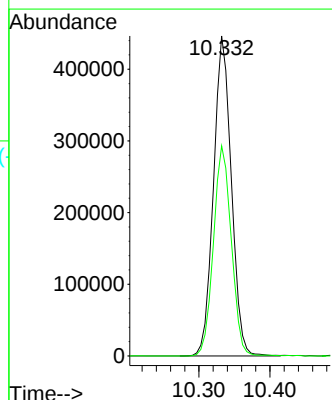
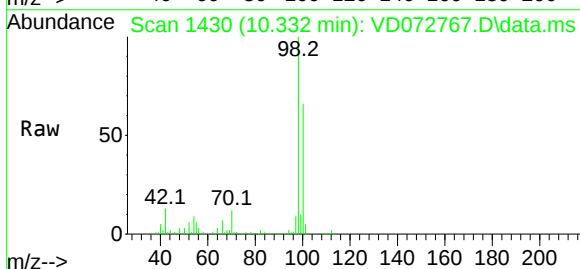
Acq: 03 May 2022 14:29

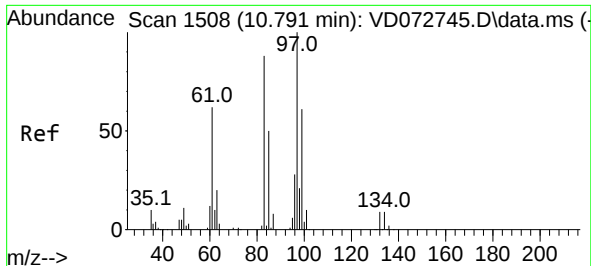
Tgt Ion: 98 Resp: 777339

Ion Ratio Lower Upper

98 100

100 65.7 52.4 78.6

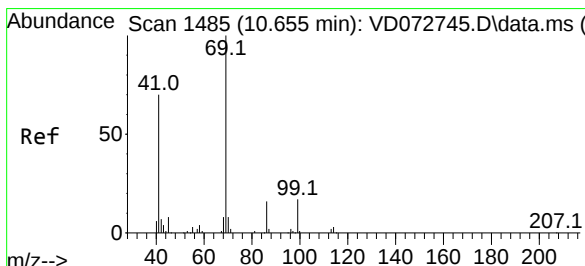
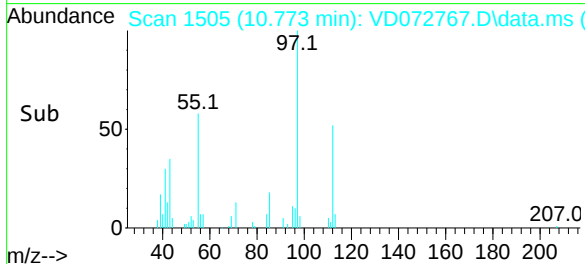
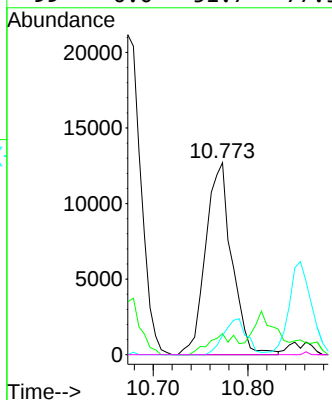
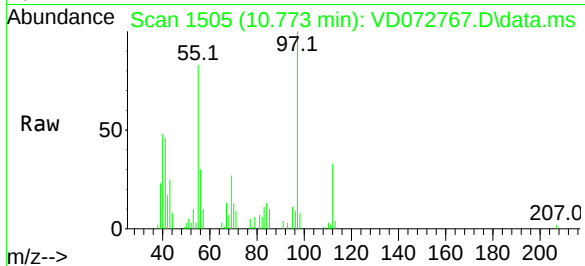




#55
1,1,2-Trichloroethane
Concen: 6.294 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.018 min
Lab File: VD072767.D
Acq: 03 May 2022 14:29

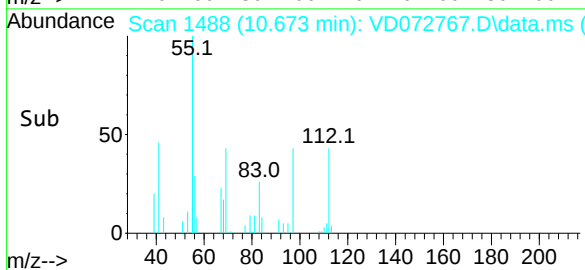
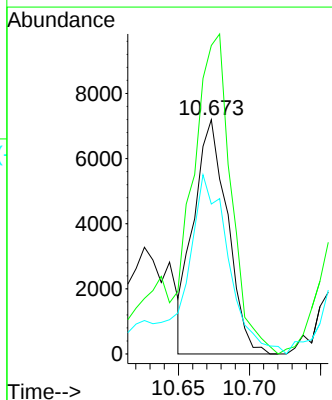
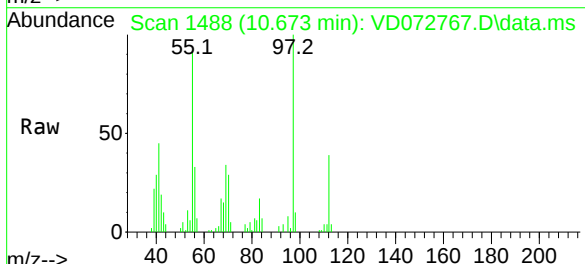
Instrument :
MSVOA_D
ClientSampleId :
WC-3

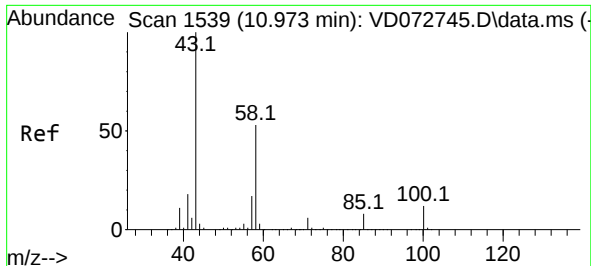
Tgt Ion: 97	Resp: 24389
Ion Ratio	Lower Upper
97 100	
83 11.0	69.0 103.4#
85 10.1	42.6 63.8#
99 0.0	51.7 77.5#



#56
Ethyl methacrylate
Concen: 2.604 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.018 min
Lab File: VD072767.D
Acq: 03 May 2022 14:29

Tgt Ion: 69	Resp: 11881
Ion Ratio	Lower Upper
69 100	
41 193.5	63.0 94.6#
39 89.5	33.8 50.8#

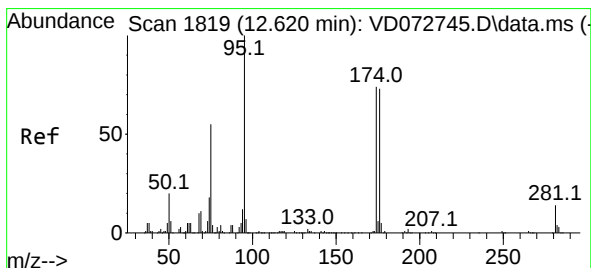
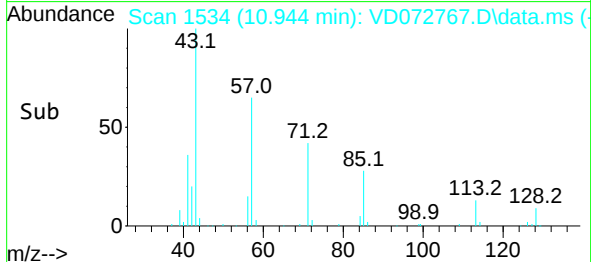
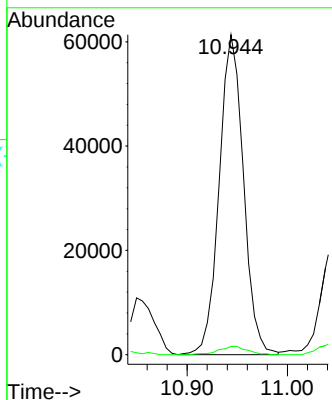
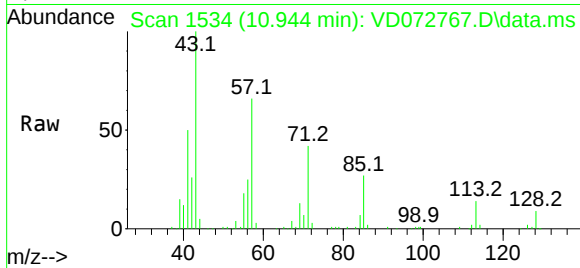




#59
2-Hexanone
Concen: 50.706 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. -0.029 min
Lab File: VD072767.D
Acq: 03 May 2022 14:29

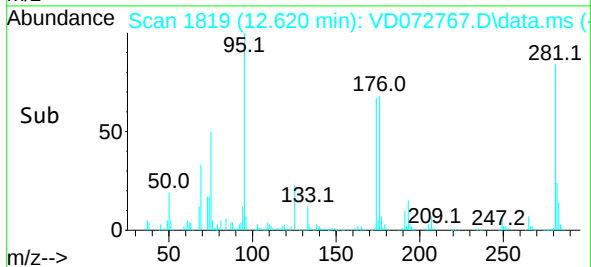
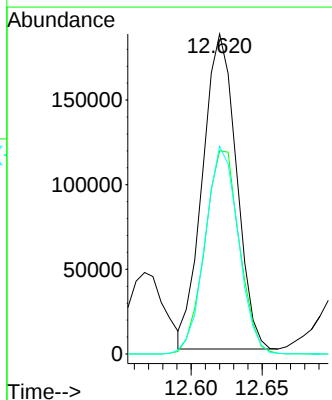
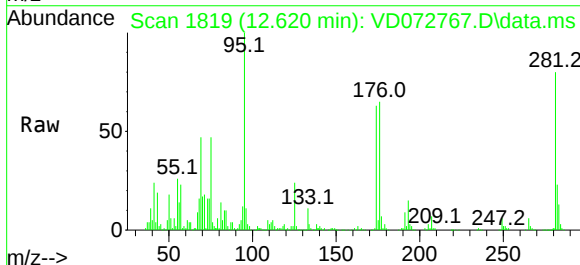
Instrument :
MSVOA_D
ClientSampleId :
WC-3

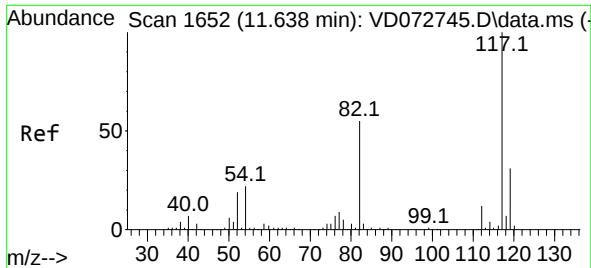
Tgt Ion: 43 Resp: 103068
Ion Ratio Lower Upper
43 100
58 3.1 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 54.721 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072767.D
Acq: 03 May 2022 14:29

Tgt Ion: 95 Resp: 308402
Ion Ratio Lower Upper
95 100
174 65.8 0.0 152.8
176 64.7 0.0 145.4

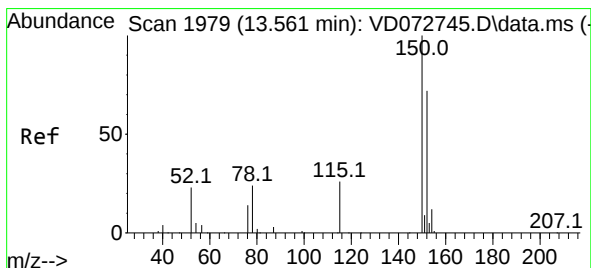
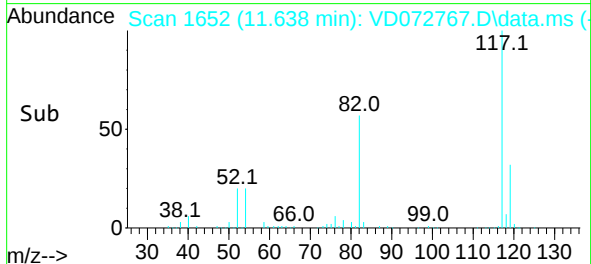
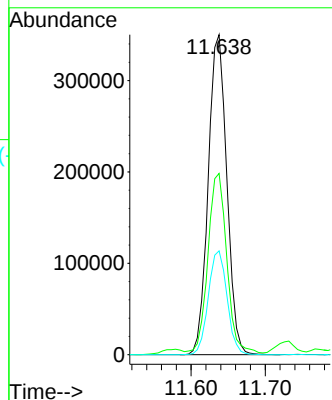
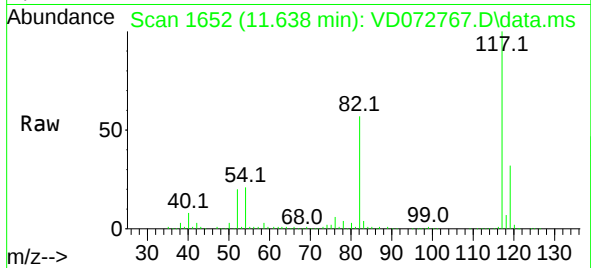




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD072767.D
Acq: 03 May 2022 14:29

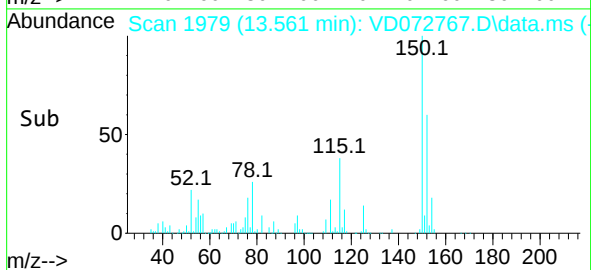
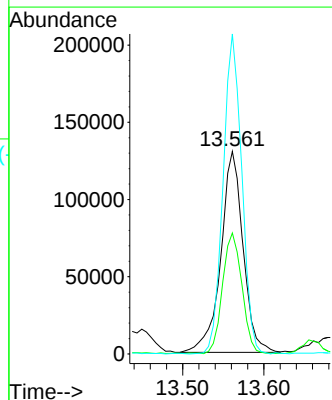
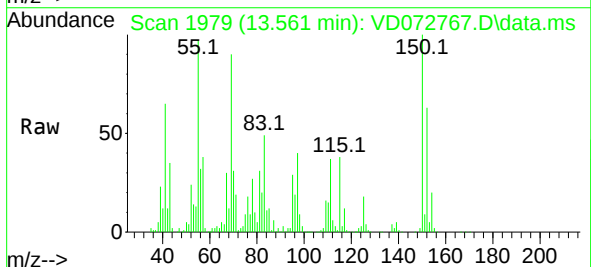
Instrument :
MSVOA_D
ClientSampleId :
WC-3

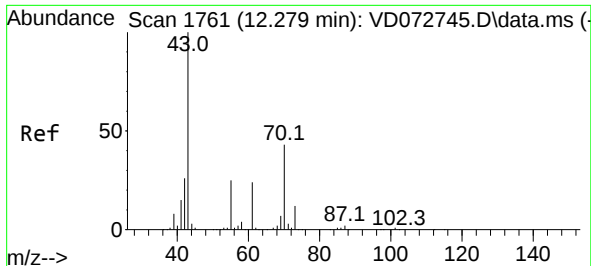
Tgt Ion:117 Resp: 609398
Ion Ratio Lower Upper
117 100
82 55.2 45.3 67.9
119 32.5 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072767.D
Acq: 03 May 2022 14:29

Tgt Ion:152 Resp: 247852
Ion Ratio Lower Upper
152 100
115 52.0 31.3 93.8
150 134.1 0.0 348.6

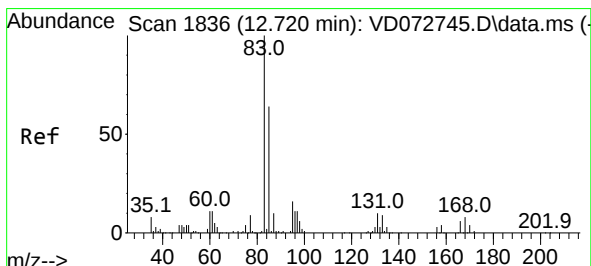
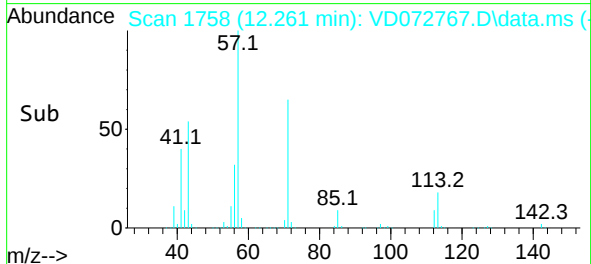
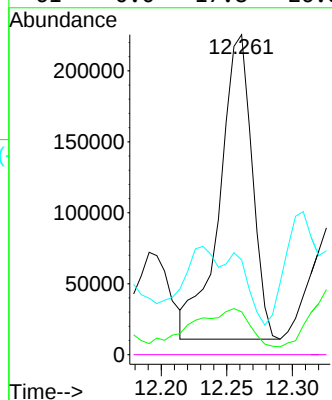
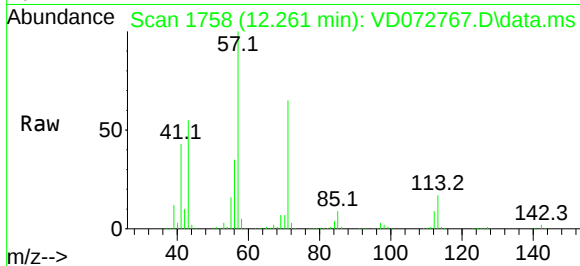




#74
N-amy1 acetate
Concen: 76.994 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD072767.D
Acq: 03 May 2022 14:29

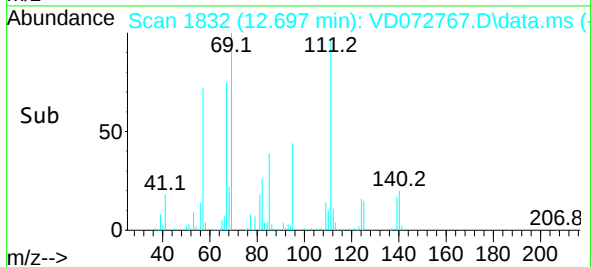
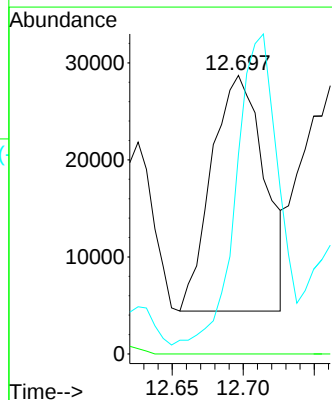
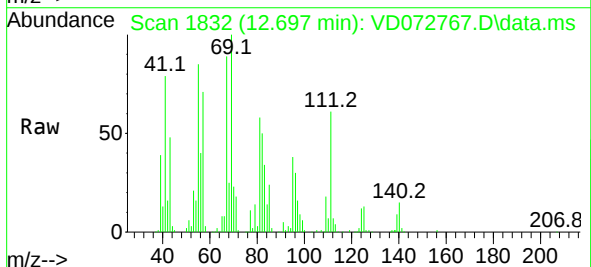
Instrument :
MSVOA_D
ClientSampleId :
WC-3

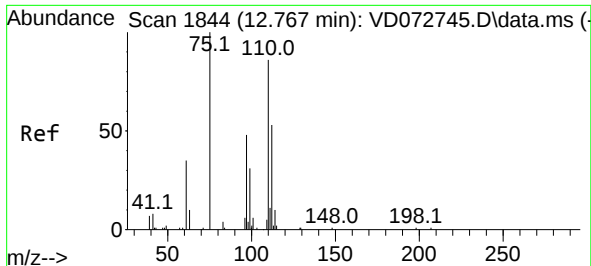
Tgt Ion: 43 Resp: 369743
Ion Ratio Lower Upper
43 100
70 22.0 31.3 46.9#
55 0.0 20.0 30.0#
61 0.0 17.8 26.8#



#75
1,1,2,2-Tetrachloroethane
Concen: 16.272 ug/l
RT: 12.697 min Scan# 1832
Delta R.T. -0.023 min
Lab File: VD072767.D
Acq: 03 May 2022 14:29

Tgt Ion: 83 Resp: 63342
Ion Ratio Lower Upper
83 100
131 0.0 5.0 14.9#
85 103.1 32.6 98.0#

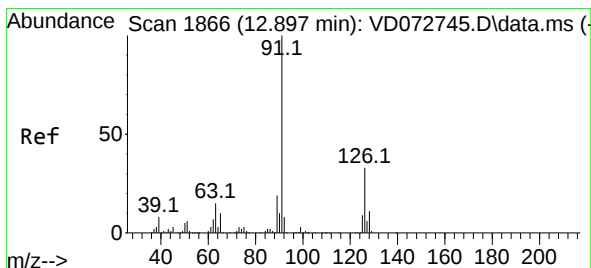
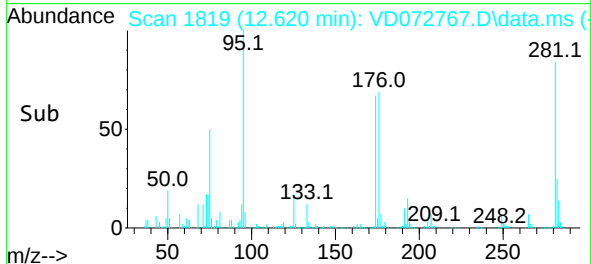
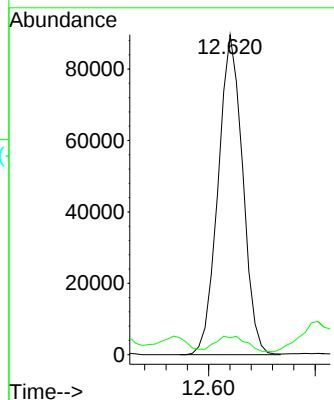
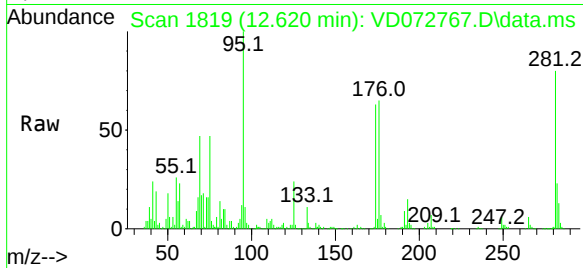




#76
1,2,3-Trichloropropane
Concen: 51.789 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072767.D
Acq: 03 May 2022 14:29

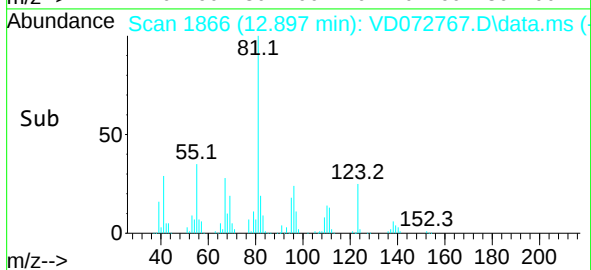
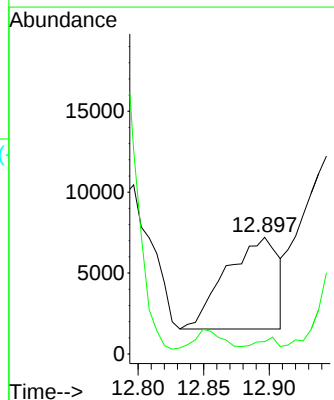
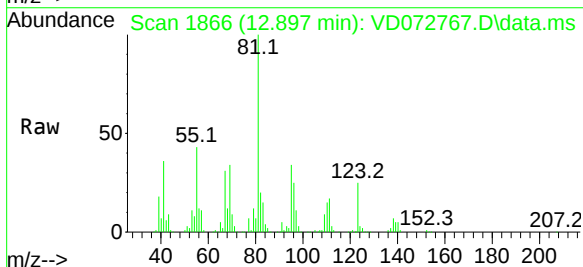
Instrument :
MSVOA_D
ClientSampleId :
WC-3

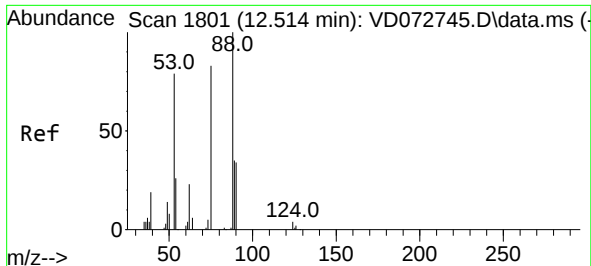
Tgt Ion: 75 Resp: 143130
Ion Ratio Lower Upper
75 100
77 6.2 0.0 0.0#



#79
2-Chlorotoluene
Concen: 1.101 ug/l
RT: 12.897 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VD072767.D
Acq: 03 May 2022 14:29

Tgt Ion: 91 Resp: 15634
Ion Ratio Lower Upper
91 100
126 0.0 16.2 48.6#

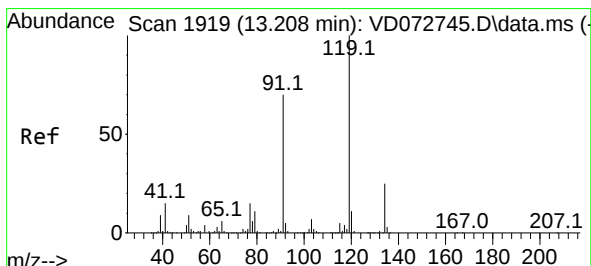
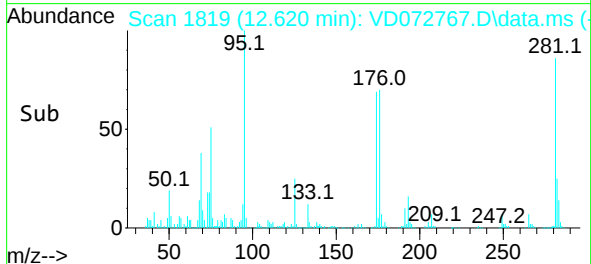
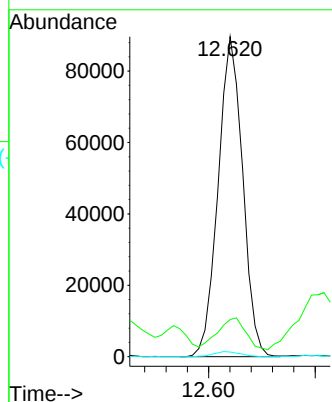
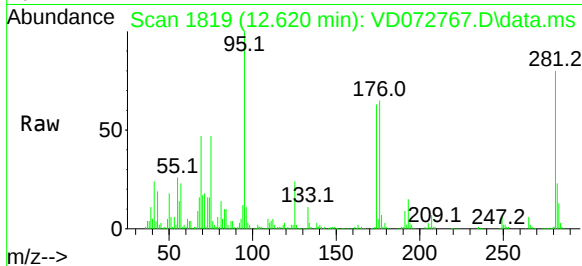




#81
trans-1,4-Dichloro-2-butene
Concen: 119.094 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072767.D
Acq: 03 May 2022 14:29

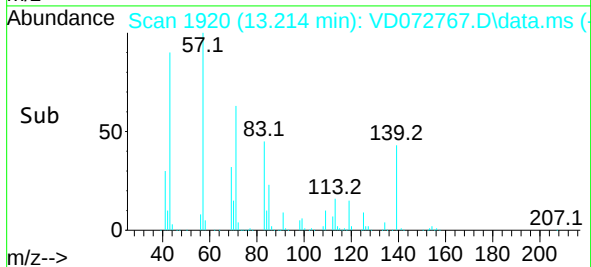
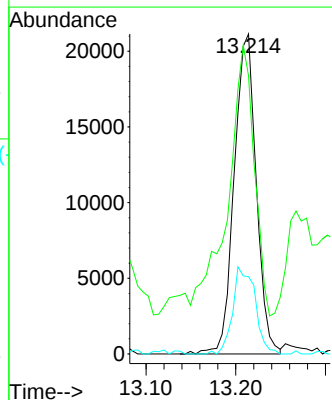
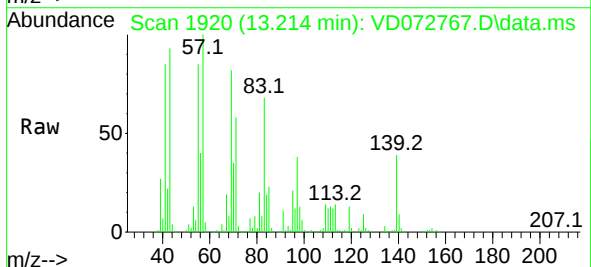
Instrument :
MSVOA_D
ClientSampleId :
WC-3

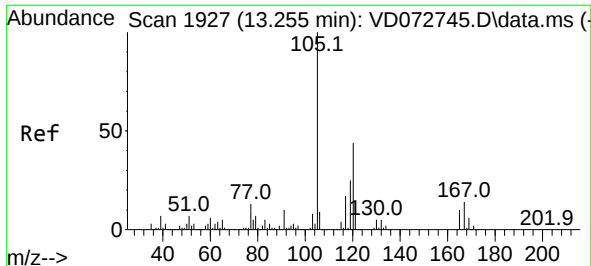
Tgt Ion: 75 Resp: 143130
Ion Ratio Lower Upper
75 100
53 11.3 86.5 129.7#
89 1.7 33.9 50.9#



#83
tert-Butylbenzene
Concen: 2.593 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. 0.006 min
Lab File: VD072767.D
Acq: 03 May 2022 14:29

Tgt Ion: 119 Resp: 36052
Ion Ratio Lower Upper
119 100
91 101.8 34.8 104.5
134 27.6 13.3 39.9

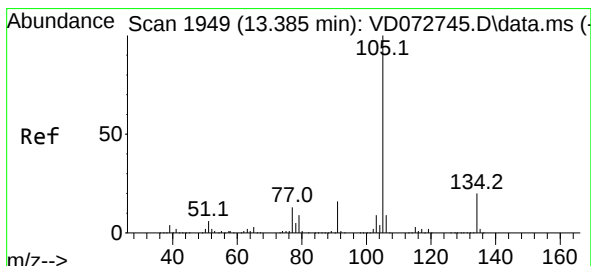
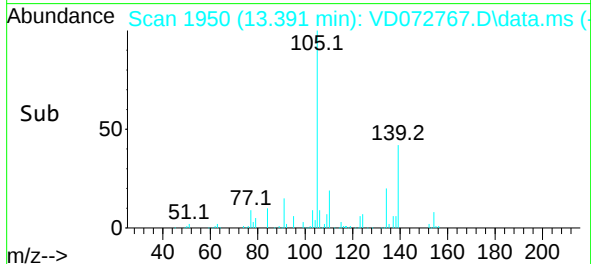
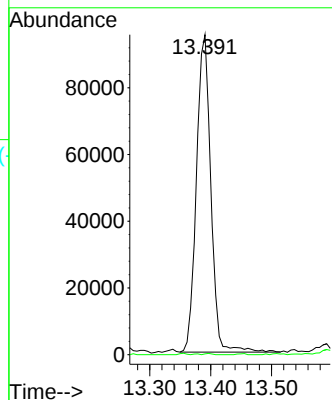
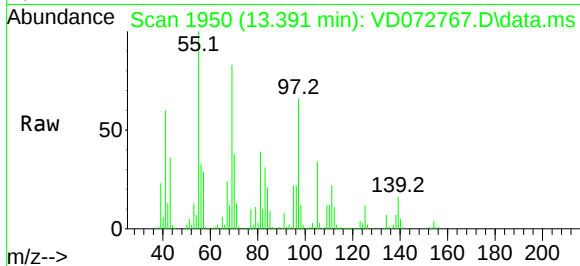




#84
1,2,4-Trimethylbenzene
Concen: 9.592 ug/l
RT: 13.391 min Scan# 1950
Delta R.T. 0.136 min
Lab File: VD072767.D
Acq: 03 May 2022 14:29

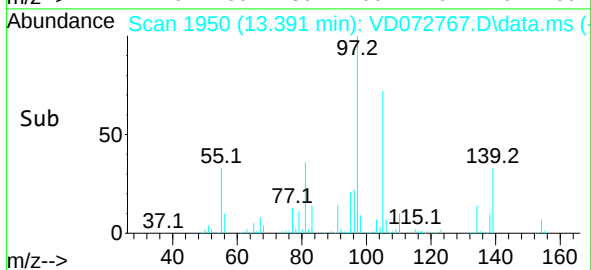
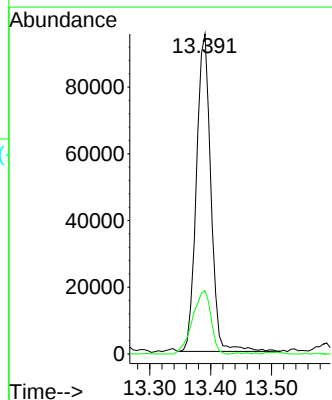
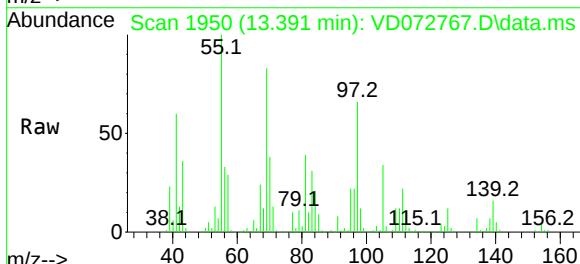
Instrument :
MSVOA_D
ClientSampleId :
WC-3

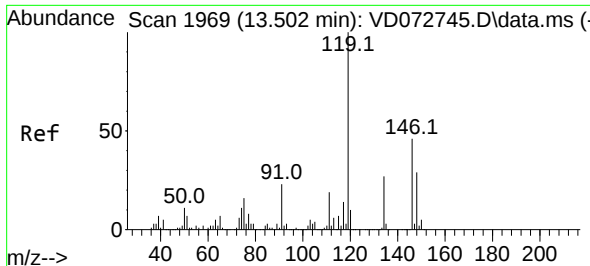
Tgt Ion:105 Resp: 156777
Ion Ratio Lower Upper
105 100
120 0.2 22.3 66.8#



#85
sec-Butylbenzene
Concen: 7.477 ug/l
RT: 13.391 min Scan# 1950
Delta R.T. 0.006 min
Lab File: VD072767.D
Acq: 03 May 2022 14:29

Tgt Ion:105 Resp: 156777
Ion Ratio Lower Upper
105 100
134 25.4 9.8 29.3

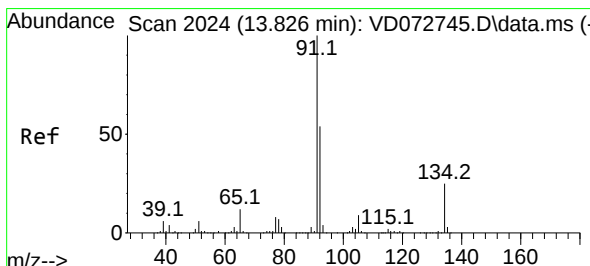
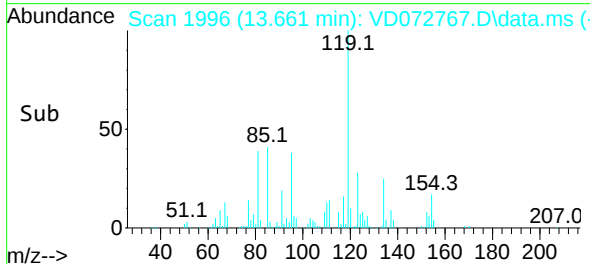
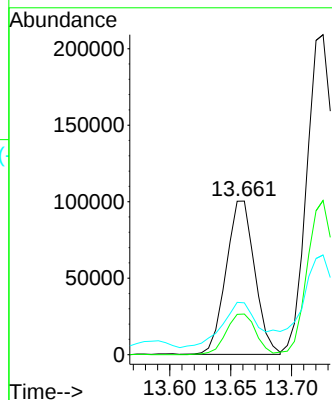
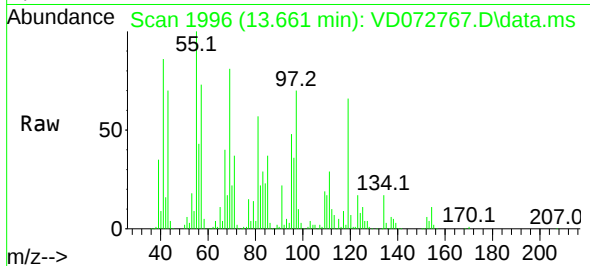




#86
p-Isopropyltoluene
Concen: 9.563 ug/l
RT: 13.661 min Scan# 1969
Delta R.T. 0.159 min
Lab File: VD072767.D
Acq: 03 May 2022 14:29

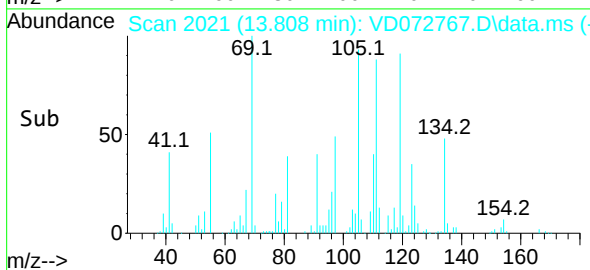
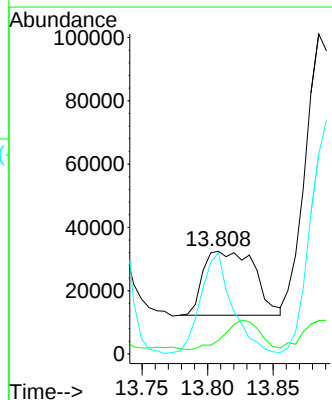
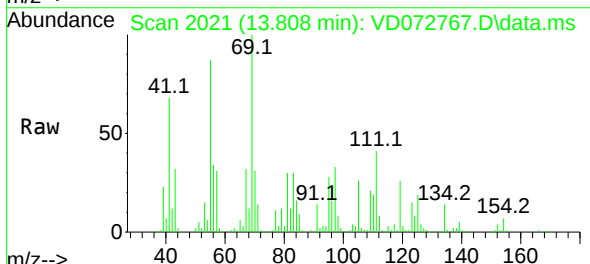
Instrument :
MSVOA_D
ClientSampleId :
WC-3

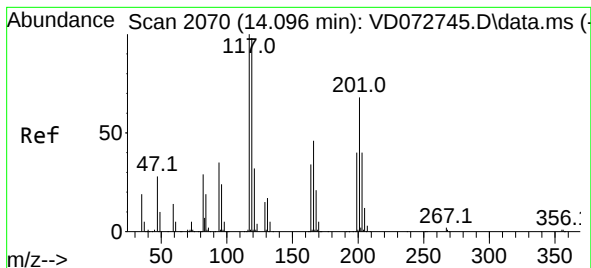
Tgt Ion:119 Resp: 164384
Ion Ratio Lower Upper
119 100
134 27.4 12.9 38.6
91 39.6 12.1 36.3#



#89
n-Butylbenzene
Concen: 3.325 ug/l
RT: 13.808 min Scan# 2021
Delta R.T. -0.018 min
Lab File: VD072767.D
Acq: 03 May 2022 14:29

Tgt Ion: 91 Resp: 55361
Ion Ratio Lower Upper
91 100
92 31.6 26.6 79.8
134 96.4 12.3 36.9#





#90

Hexachloroethane

Concen: 48.958 ug/l

RT: 14.102 min Scan# 2070

Delta R.T. 0.006 min

Lab File: VD072767.D

Acq: 03 May 2022 14:29

Instrument :

MSVOA_D

ClientSampleId :

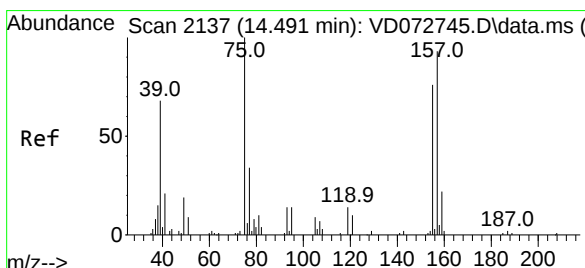
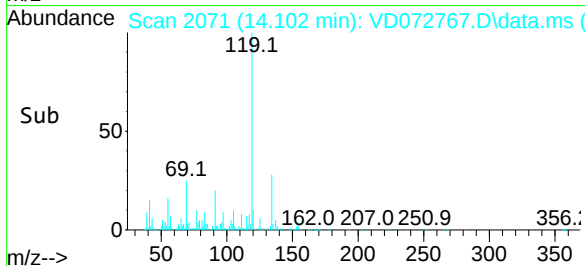
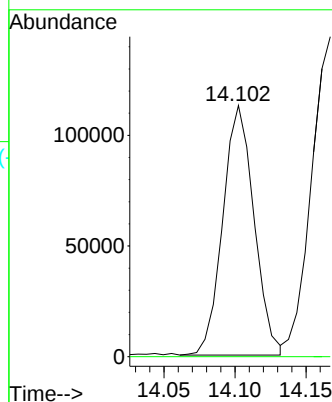
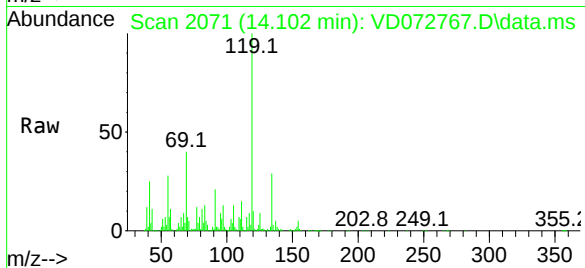
WC-3

Tgt Ion:117 Resp: 172411

Ion Ratio Lower Upper

117 100

201 0.0 33.4 100.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 10.770 ug/l

RT: 14.508 min Scan# 2140

Delta R.T. 0.017 min

Lab File: VD072767.D

Acq: 03 May 2022 14:29

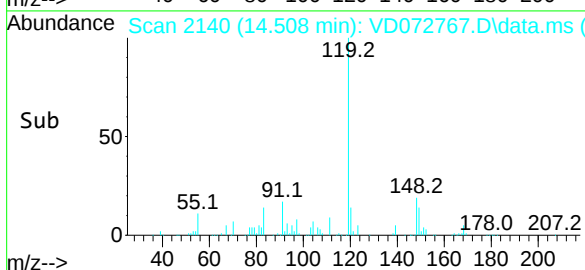
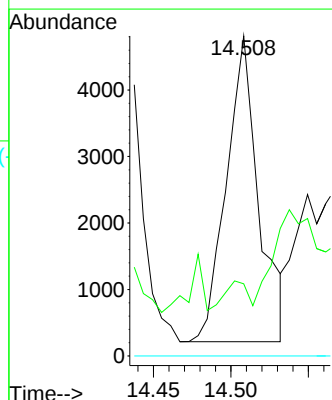
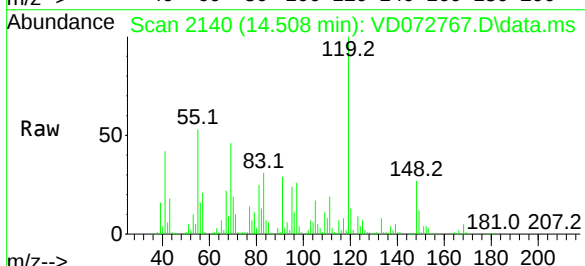
Tgt Ion: 75 Resp: 6646

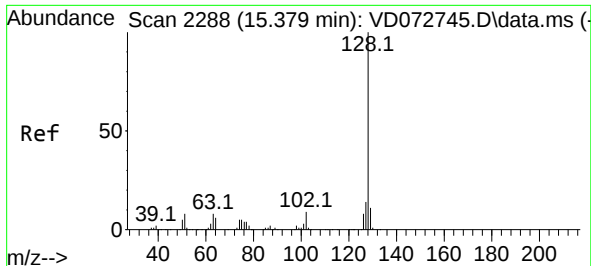
Ion Ratio Lower Upper

75 100

155 0.0 36.8 110.3#

157 0.0 48.4 145.0#

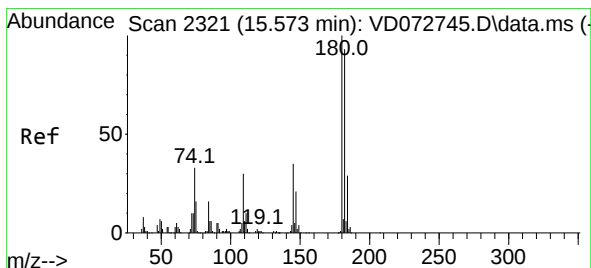
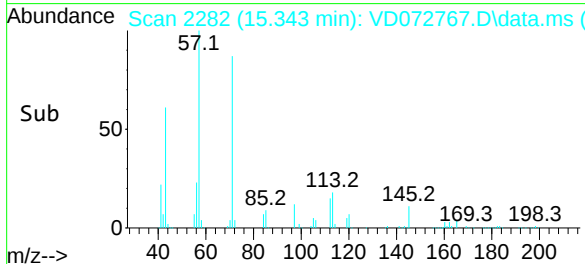
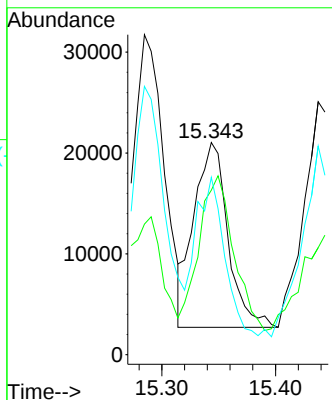
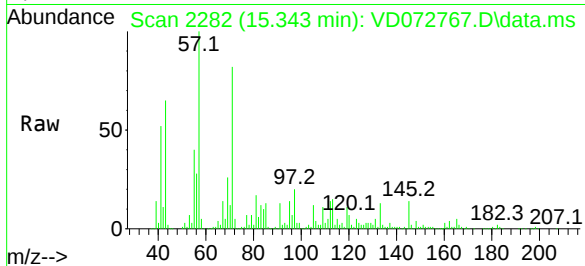




#95
Naphthalene
Concen: 4.365 ug/l
RT: 15.343 min Scan# 2115
Delta R.T. -0.036 min
Lab File: VD072767.D
Acq: 03 May 2022 14:29

Instrument :
MSVOA_D
ClientSampleId :
WC-3

Tgt Ion:128 Resp: 38208
Ion Ratio Lower Upper
128 100
127 84.9 10.3 15.5#
129 71.2 8.4 12.6#



#96
1,2,3-Trichlorobenzene
Concen: 3.577 ug/l
RT: 15.538 min Scan# 2315
Delta R.T. -0.035 min
Lab File: VD072767.D
Acq: 03 May 2022 14:29

Tgt Ion:180 Resp: 15099
Ion Ratio Lower Upper
180 100
182 22.8 47.6 142.9#
145 967.5 17.1 51.3#

