

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031822\
 Data File : VD072300.D
 Acq On : 18 Mar 2022 20:05
 Operator : VA/SY
 Sample : N1962-04
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 C-19-18-19

Quant Time: Mar 19 05:28:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

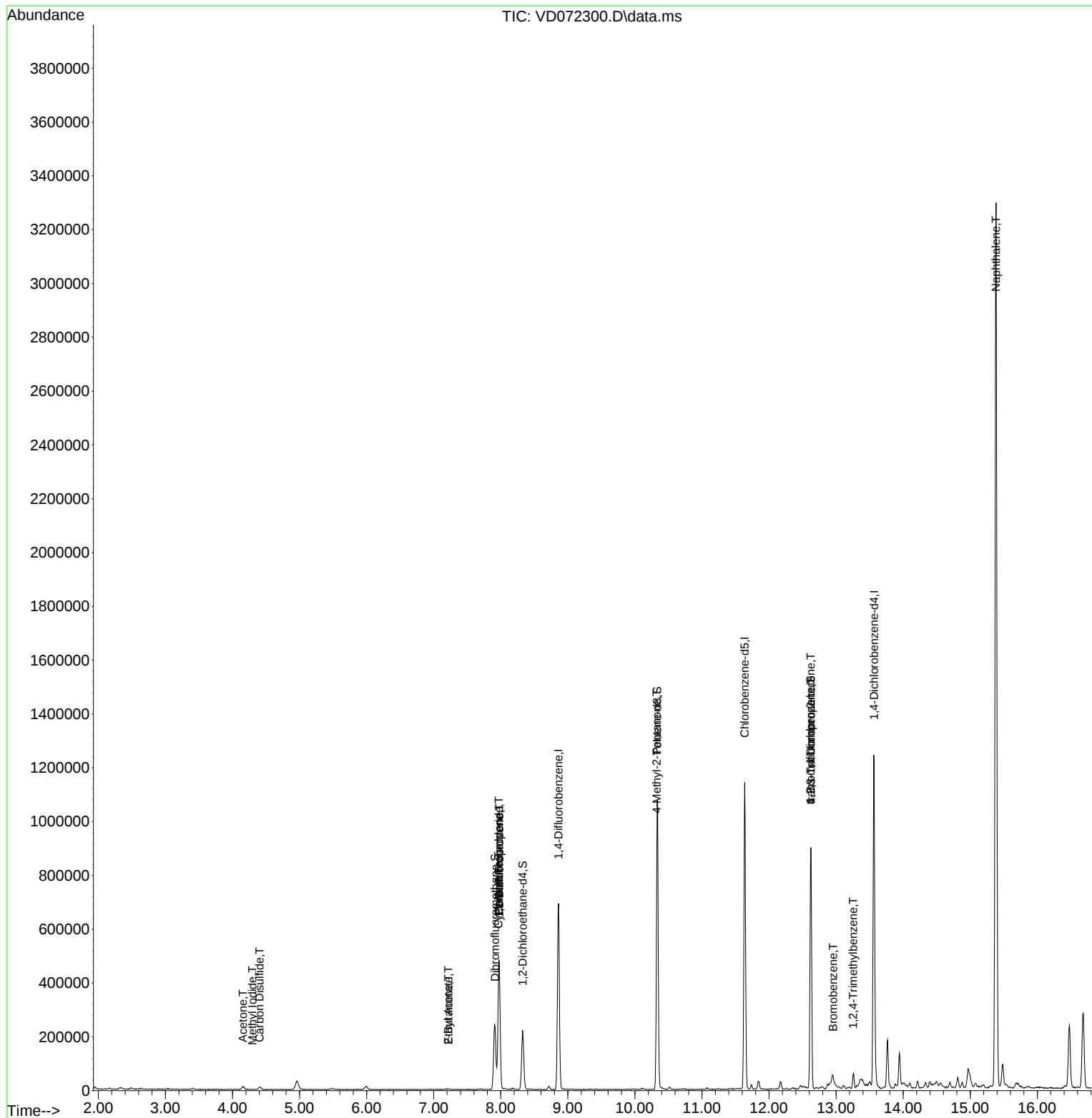
Internal Standards						
1) Pentafluorobenzene	7.973	168	351945	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	584568	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	639970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	326848	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	169845	43.303	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.600%		
35) Dibromofluoromethane	7.914	113	180306	43.831	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	87.660%		
50) Toluene-d8	10.332	98	724386	48.159	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.320%		
62) 4-Bromofluorobenzene	12.620	95	315854	54.043	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	108.080%		
Target Compounds						Qvalue
10) Methyl Iodide	4.297	142	432	2.341	ug/l #	66
16) Acetone	4.156	43	19160	22.499	ug/l #	86
17) Carbon Disulfide	4.403	76	21848	4.310	ug/l #	89
20) Methylene Chloride	4.962	84	23950	Below Cal	#	76
25) 2-Butanone	7.220	43	4670	4.113	ug/l #	83
31) Cyclohexane	7.967	56	9217	1.504	ug/l #	12
36) 1,1-Dichloropropene	7.979	75	30393	5.267	ug/l #	51
37) Ethyl Acetate	7.220	43	4670	1.847	ug/l #	72
38) Carbon Tetrachloride	7.973	117	37330	5.691	ug/l #	16
51) 4-Methyl-2-Pentanone	10.326	43	3540	1.374	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	159199	44.155	ug/l #	100
77) Bromobenzene	12.955	156	29303	5.027	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	159199	109.554	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.255	105	32495	1.482	ug/l	98
95) Naphthalene	15.384	128	2827678	232.597	ug/l	99

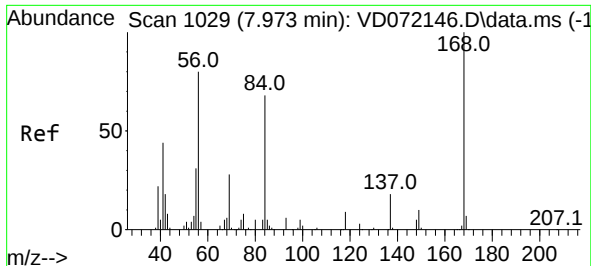
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

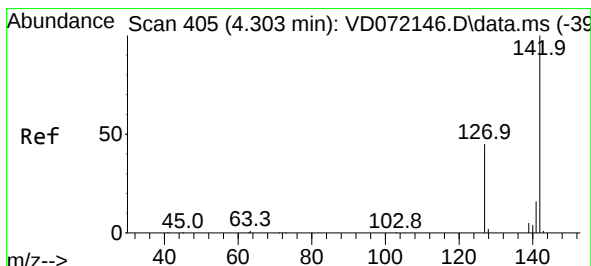
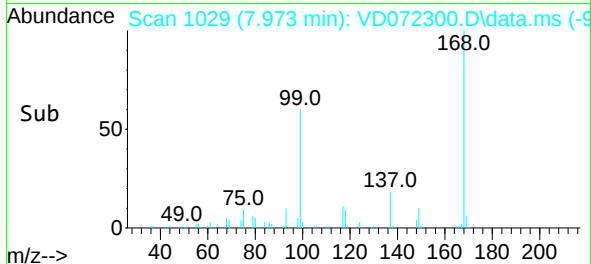
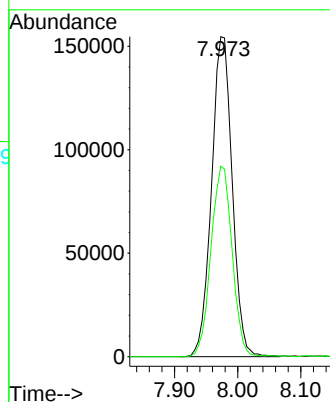
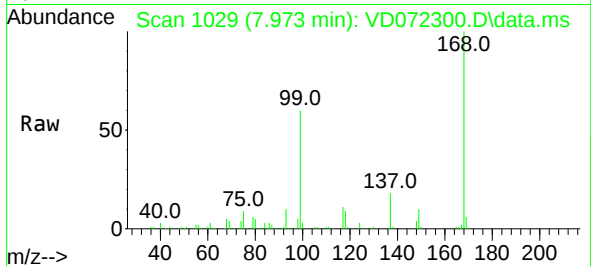




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072300.D
Acq: 18 Mar 2022 20:05

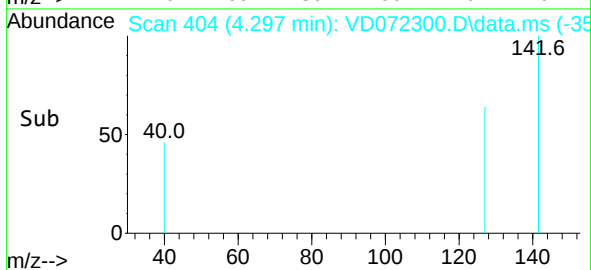
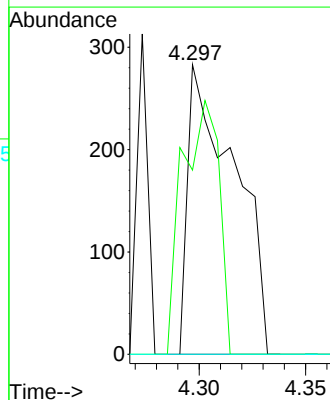
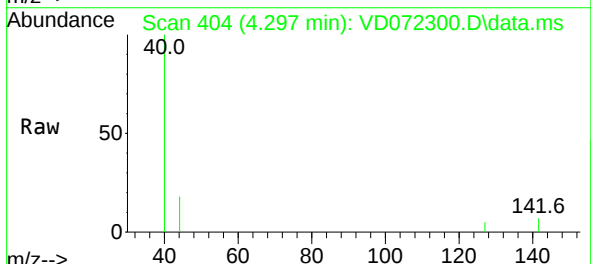
Instrument :
MSVOA_D
ClientSampleId :
C-19-18-19

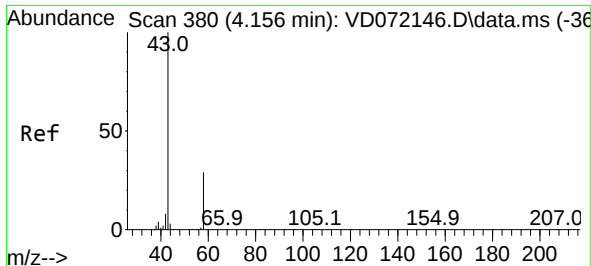
Tgt Ion:168 Resp: 351945
Ion Ratio Lower Upper
168 100
99 59.5 49.8 74.6



#10
Methyl Iodide
Concen: 2.341 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD072300.D
Acq: 18 Mar 2022 20:05

Tgt Ion:142 Resp: 432
Ion Ratio Lower Upper
142 100
127 68.5 37.3 55.9#
141 0.0 11.7 17.5#

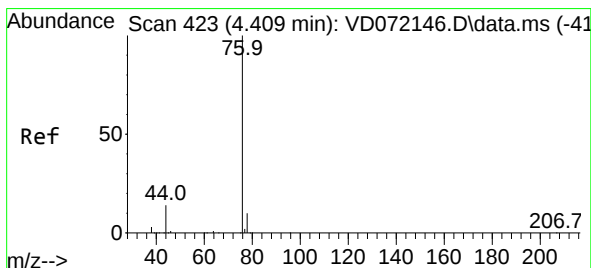
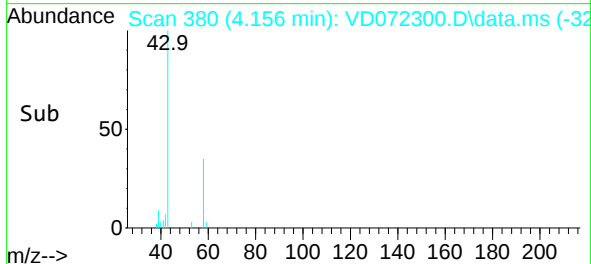
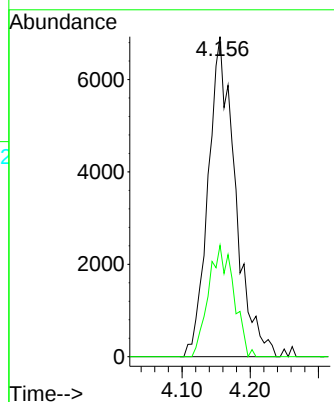
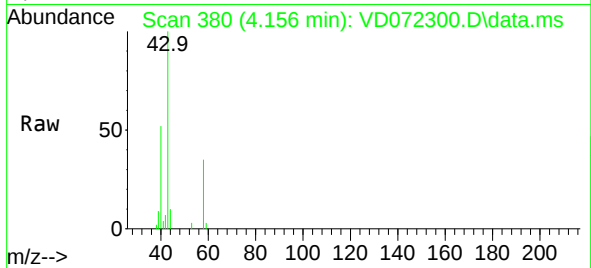




#16
Acetone
Concen: 22.499 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD072300.D
Acq: 18 Mar 2022 20:05

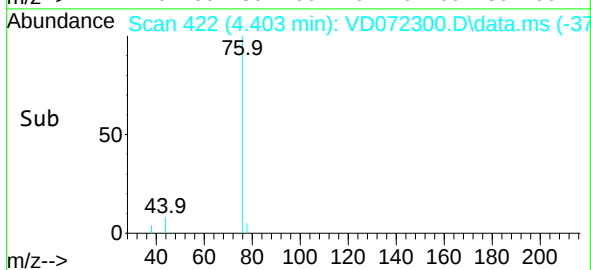
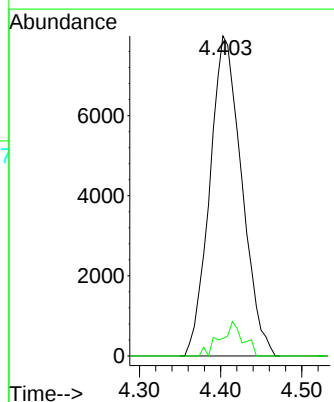
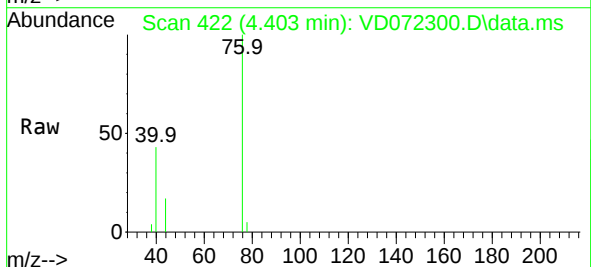
Instrument :
MSVOA_D
ClientSampleId :
C-19-18-19

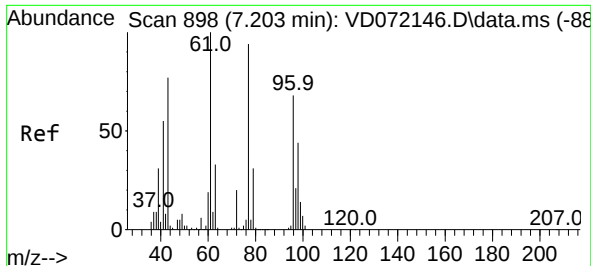
Tgt Ion: 43 Resp: 19160
Ion Ratio Lower Upper
43 100
58 34.8 22.1 33.1#



#17
Carbon Disulfide
Concen: 4.310 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD072300.D
Acq: 18 Mar 2022 20:05

Tgt Ion: 76 Resp: 21848
Ion Ratio Lower Upper
76 100
78 5.4 7.5 11.3#

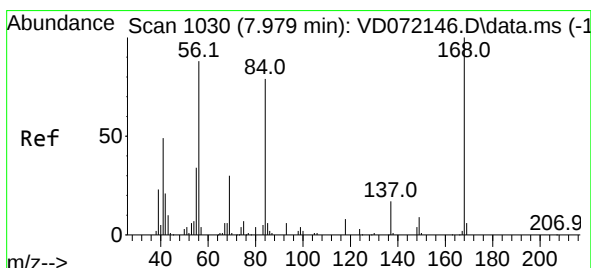
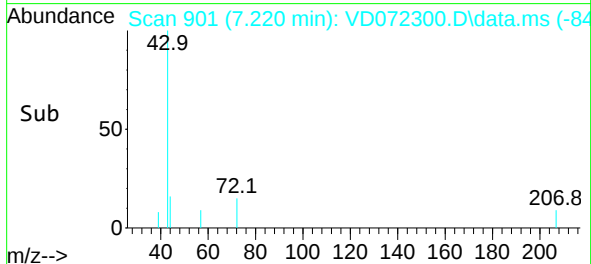
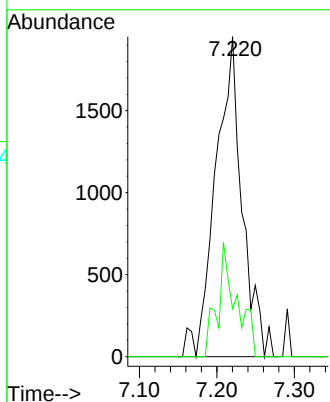
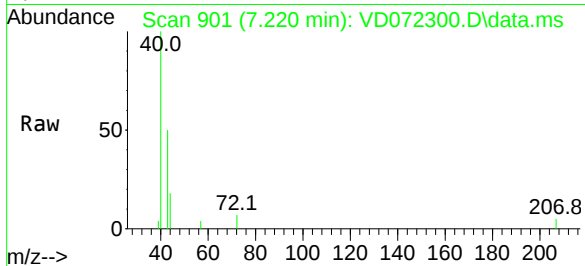




#25
2-Butanone
Concen: 4.113 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.018 min
Lab File: VD072300.D
Acq: 18 Mar 2022 20:05

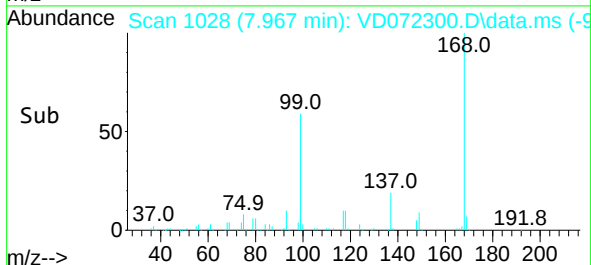
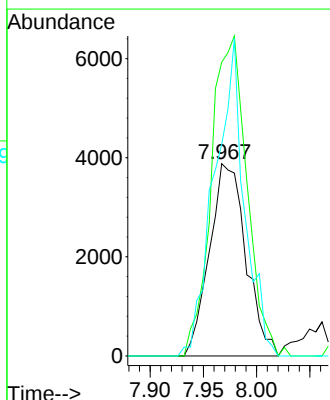
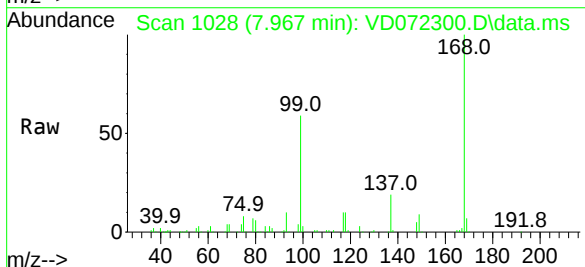
Instrument :
MSVOA_D
ClientSampleId :
C-19-18-19

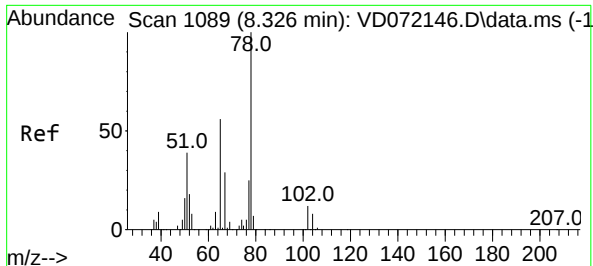
Tgt Ion: 43 Resp: 4670
Ion Ratio Lower Upper
43 100
72 15.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.504 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD072300.D
Acq: 18 Mar 2022 20:05

Tgt Ion: 56 Resp: 9217
Ion Ratio Lower Upper
56 100
69 152.8 25.4 38.2#
84 110.0 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 43.303 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VD072300.D

Acq: 18 Mar 2022 20:05

Instrument :

MSVOA_D

ClientSampleId :

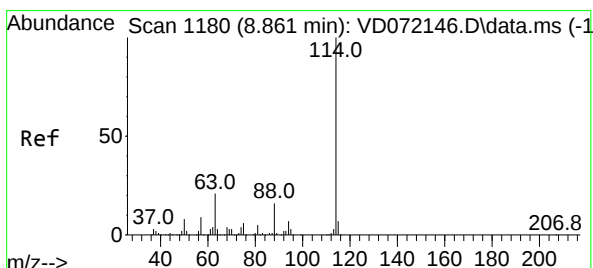
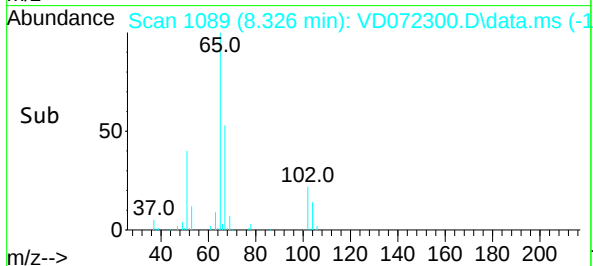
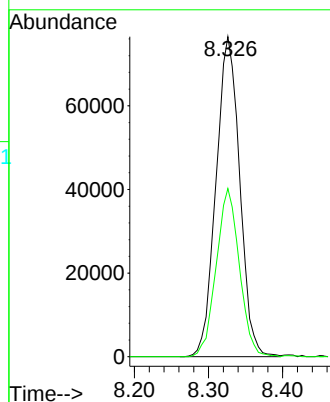
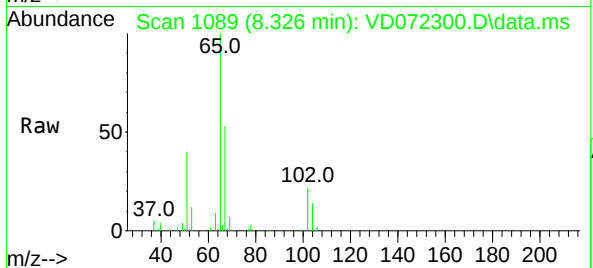
C-19-18-19

Tgt Ion: 65 Resp: 169845

Ion Ratio Lower Upper

65 100

67 51.4 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: VD072300.D

Acq: 18 Mar 2022 20:05

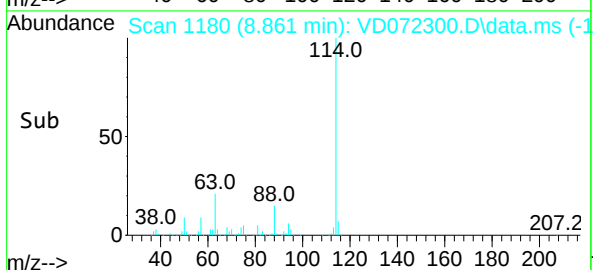
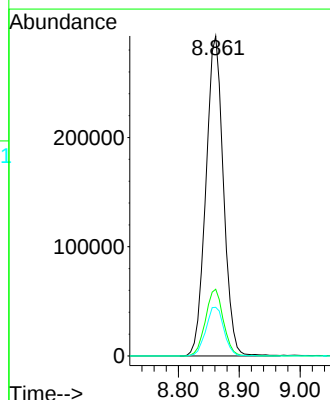
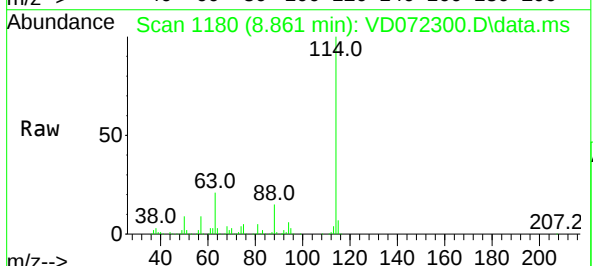
Tgt Ion: 114 Resp: 584568

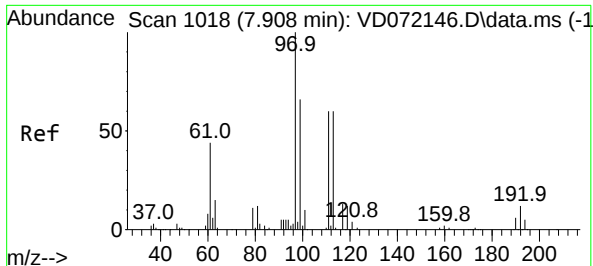
Ion Ratio Lower Upper

114 100

63 20.8 0.0 46.6

88 15.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 43.831 ug/l

RT: 7.914 min Scan# 1030

Delta R.T. 0.006 min

Lab File: VD072300.D

Acq: 18 Mar 2022 20:05

Instrument :

MSVOA_D

ClientSampleId :

C-19-18-19

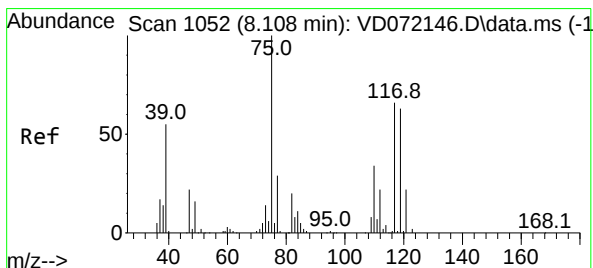
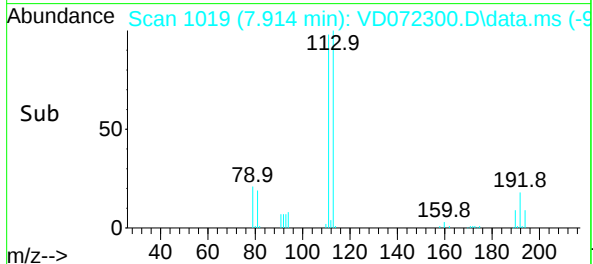
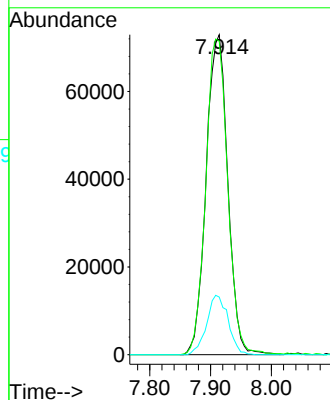
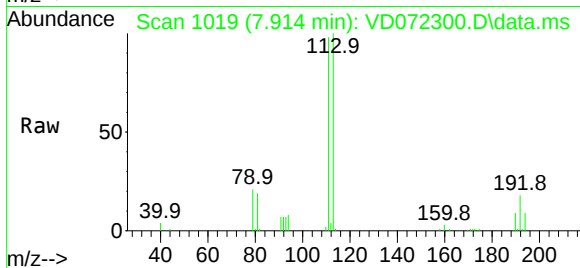
Tgt Ion:113 Resp: 180306

Ion Ratio Lower Upper

113 100

111 100.1 83.8 125.6

192 18.4 14.6 21.8



#36

1,1-Dichloropropene

Concen: 5.267 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD072300.D

Acq: 18 Mar 2022 20:05

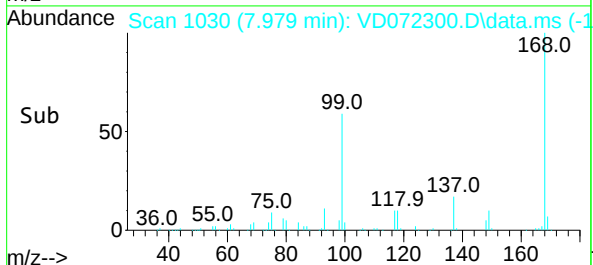
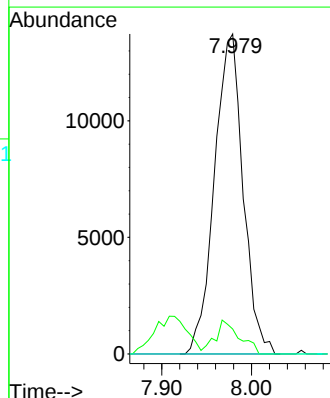
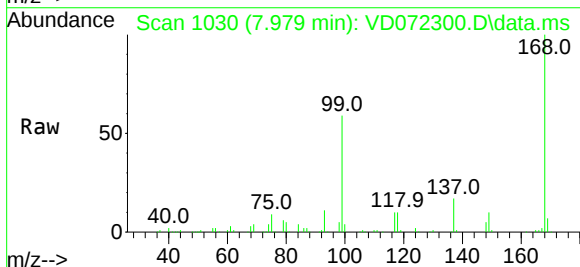
Tgt Ion: 75 Resp: 30393

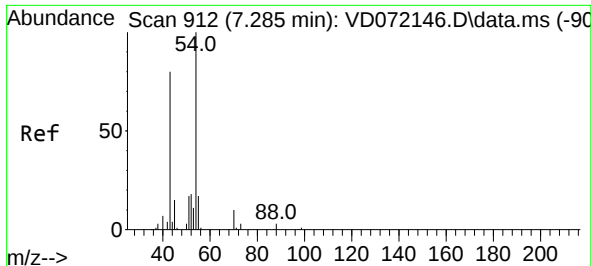
Ion Ratio Lower Upper

75 100

110 8.9 16.4 49.1#

77 0.0 24.2 36.2#

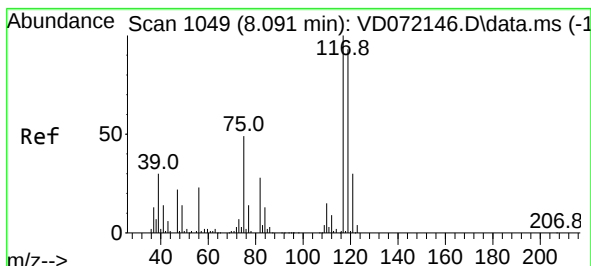
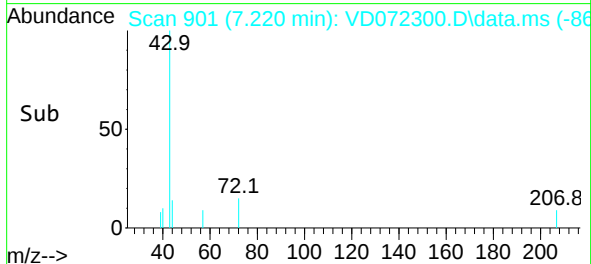
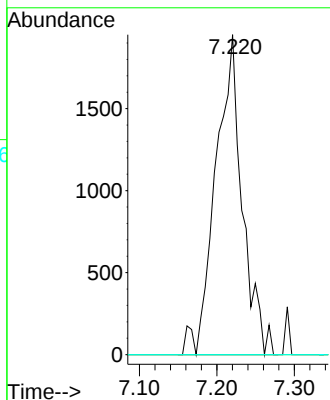
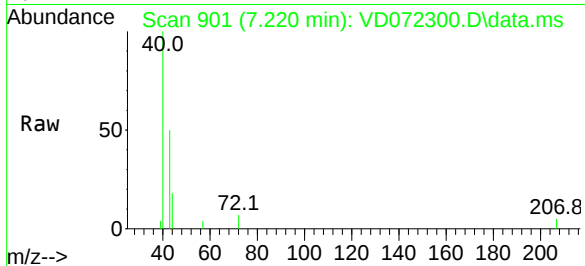




#37
Ethyl Acetate
Concen: 1.847 ug/l
RT: 7.220 min Scan# 901
Delta R.T. -0.065 min
Lab File: VD072300.D
Acq: 18 Mar 2022 20:05

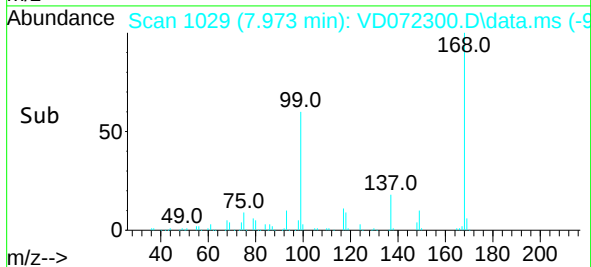
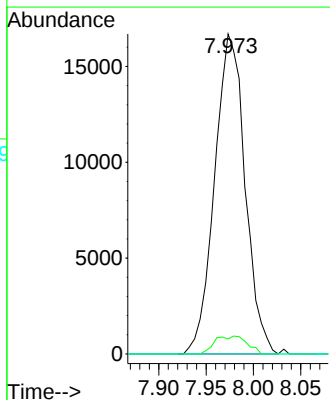
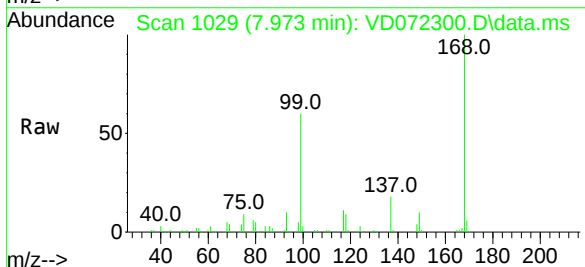
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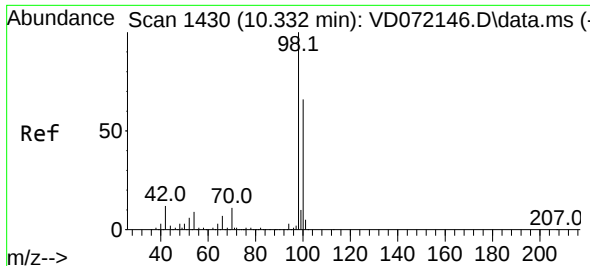
Tgt Ion: 43 Resp: 4670
Ion Ratio Lower Upper
43 100
61 0.0 9.8 14.8#
70 0.0 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 5.691 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD072300.D
Acq: 18 Mar 2022 20:05

Tgt Ion: 117 Resp: 37330
Ion Ratio Lower Upper
117 100
119 4.7 75.8 113.6#
121 0.0 24.5 36.7#

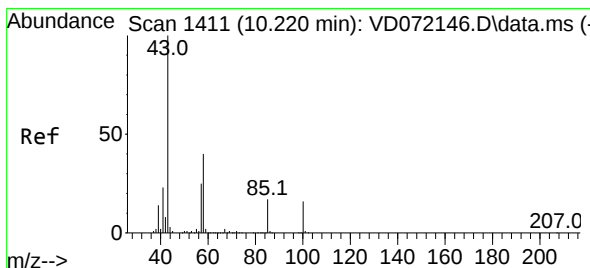
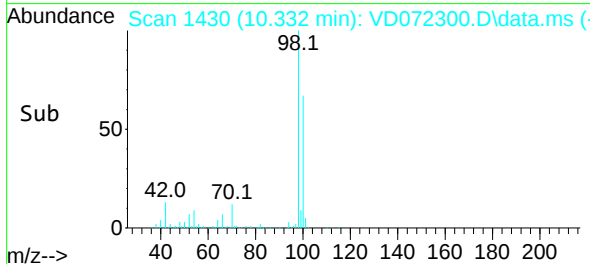
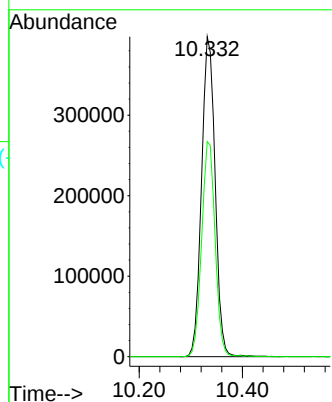
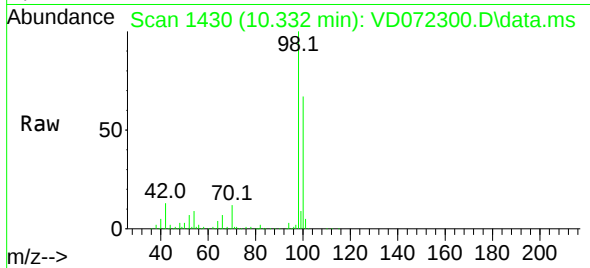




#50
Toluene-d8
Concen: 48.159 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072300.D
Acq: 18 Mar 2022 20:05

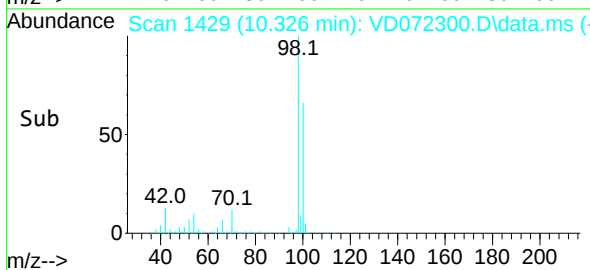
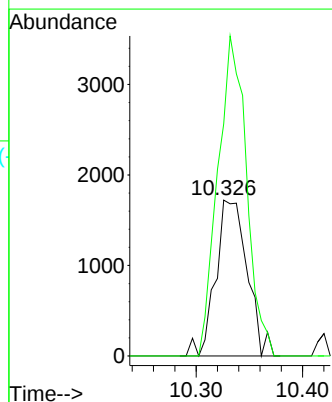
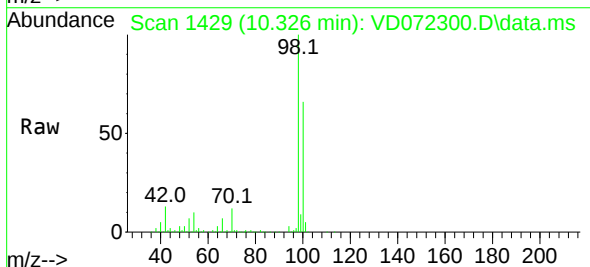
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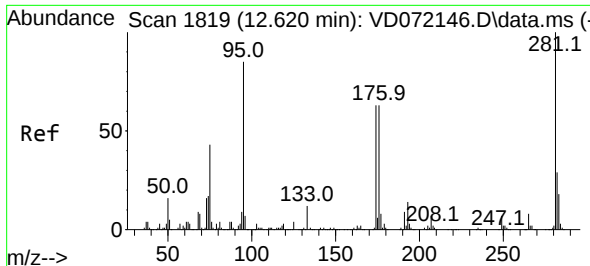
Tgt Ion: 98 Resp: 724386
Ion Ratio Lower Upper
98 100
100 66.6 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.374 ug/l
RT: 10.326 min Scan# 1429
Delta R.T. 0.106 min
Lab File: VD072300.D
Acq: 18 Mar 2022 20:05

Tgt Ion: 43 Resp: 3540
Ion Ratio Lower Upper
43 100
58 186.9 28.6 43.0#

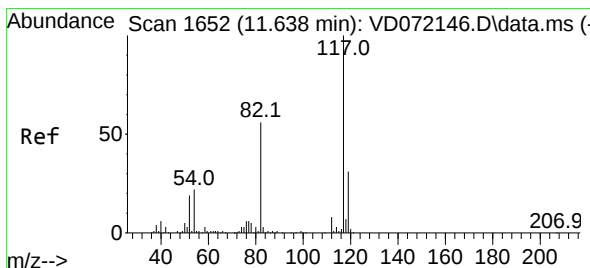
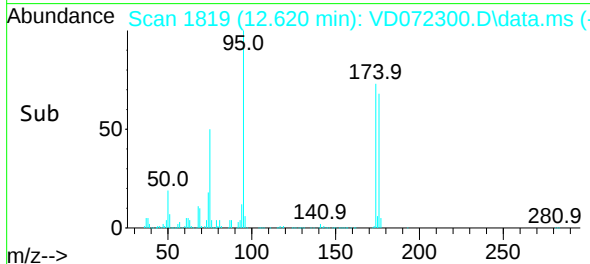
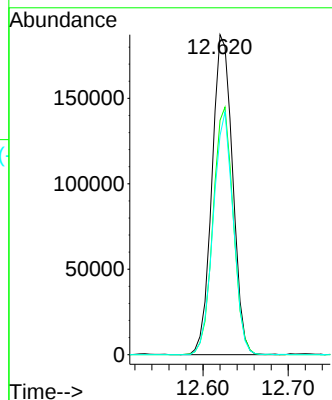
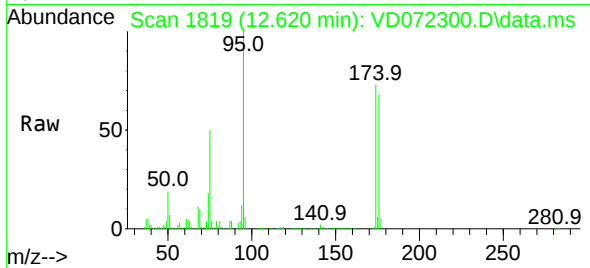




#62
4-Bromofluorobenzene
Concen: 54.043 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072300.D
Acq: 18 Mar 2022 20:05

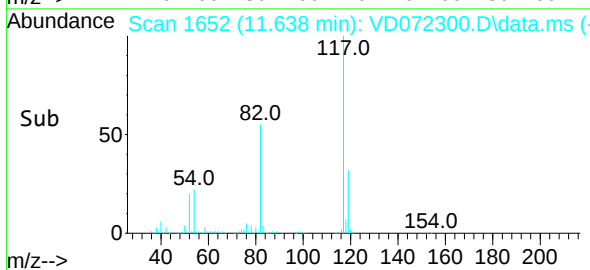
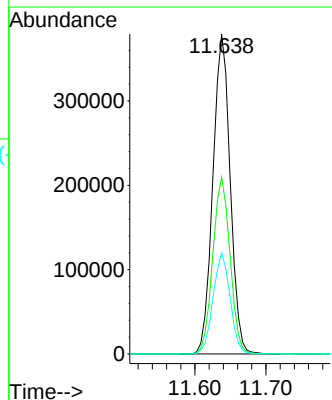
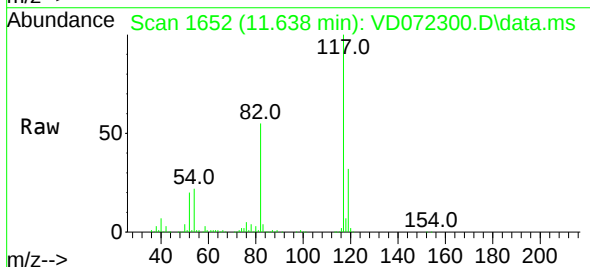
Instrument :
MSVOA_D
ClientSampleId :
C-19-18-19

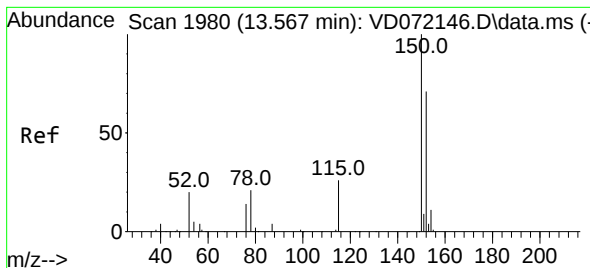
Tgt Ion: 95 Resp: 315854
Ion Ratio Lower Upper
95 100
174 75.7 0.0 152.8
176 73.5 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072300.D
Acq: 18 Mar 2022 20:05

Tgt Ion: 117 Resp: 639970
Ion Ratio Lower Upper
117 100
82 55.2 45.3 67.9
119 31.6 26.6 40.0

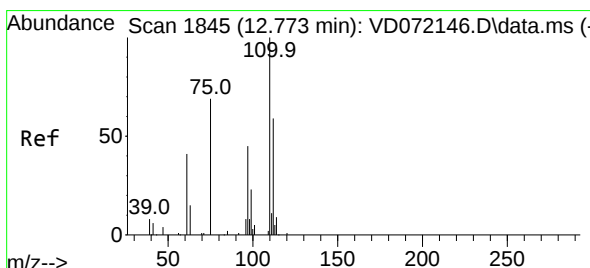
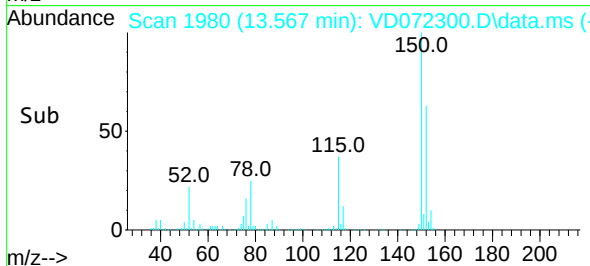
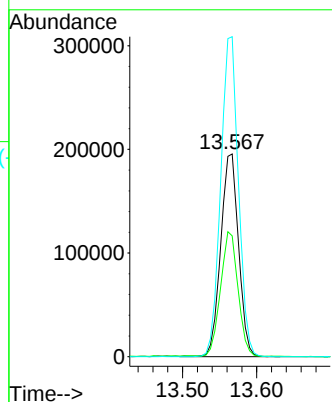
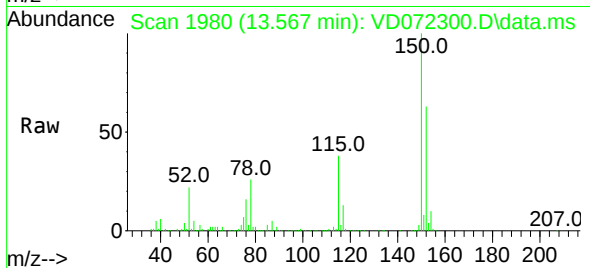




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD072300.D
Acq: 18 Mar 2022 20:05

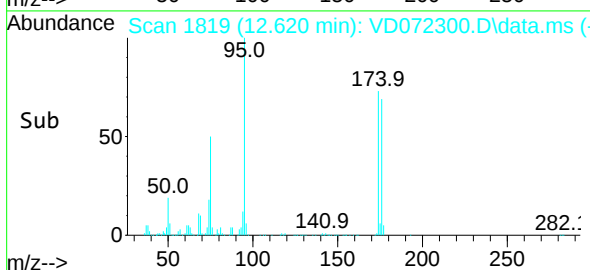
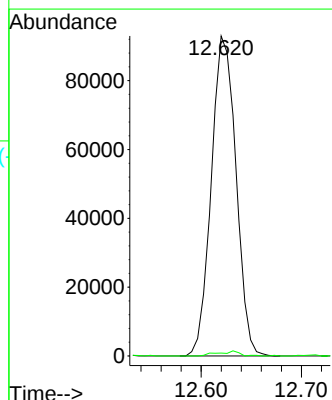
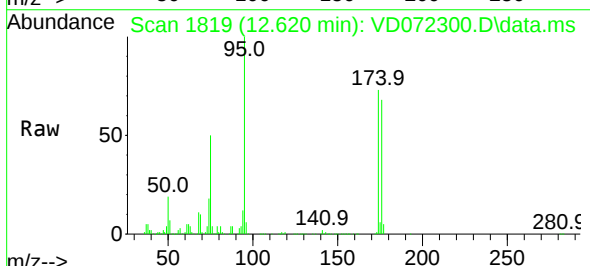
Instrument :
MSVOA_D
ClientSampleId :
C-19-18-19

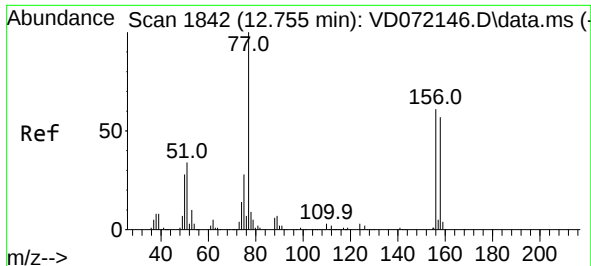
Tgt Ion:152 Resp: 326848
Ion Ratio Lower Upper
152 100
115 59.8 31.3 93.8
150 156.6 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 44.155 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072300.D
Acq: 18 Mar 2022 20:05

Tgt Ion: 75 Resp: 159199
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

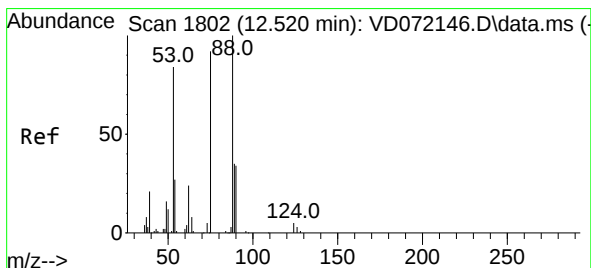
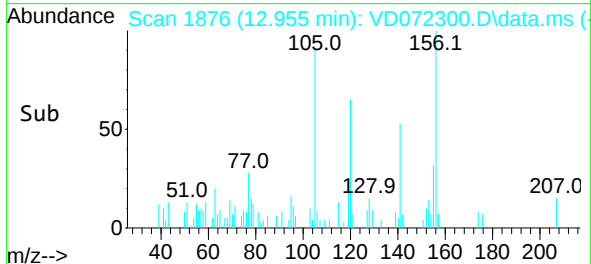
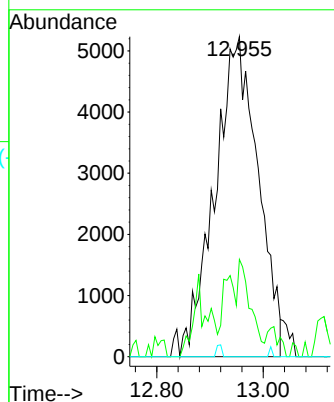
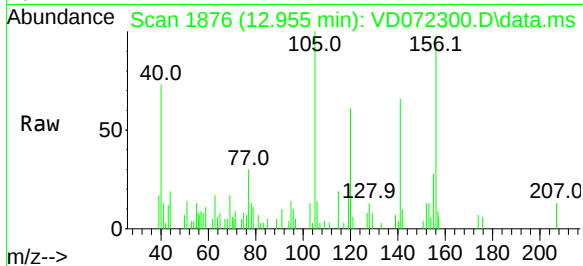




#77
Bromobenzene
Concen: 5.027 ug/l
RT: 12.955 min Scan# 1819
Delta R.T. 0.200 min
Lab File: VD072300.D
Acq: 18 Mar 2022 20:05

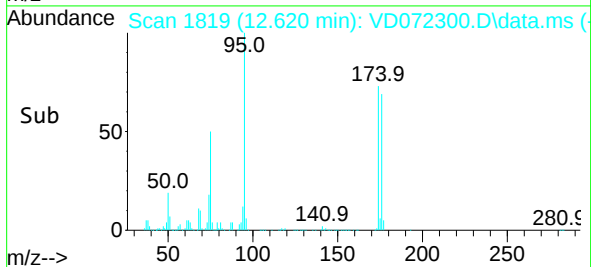
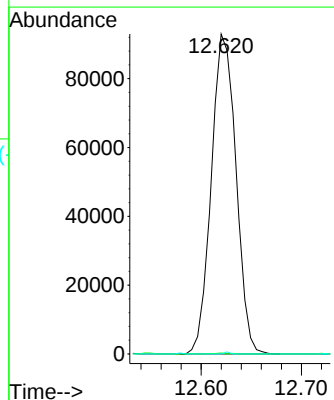
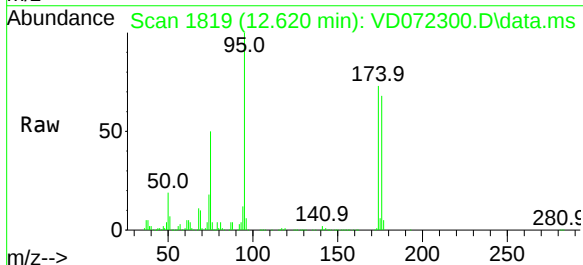
Instrument :
MSVOA_D
ClientSampleId :
C-19-18-19

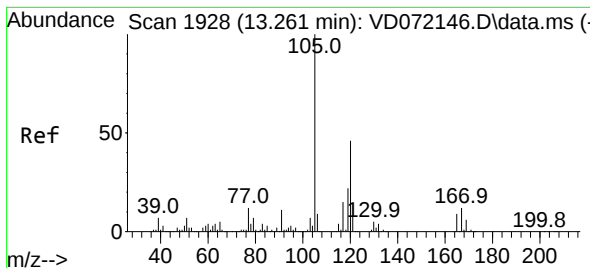
Tgt Ion:156 Resp: 29303
Ion Ratio Lower Upper
156 100
77 7.1 102.8 308.3#
158 0.0 48.7 146.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.554 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072300.D
Acq: 18 Mar 2022 20:05

Tgt Ion: 75 Resp: 159199
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.1 33.9 50.9#





#84

1,2,4-Trimethylbenzene

Concen: 1.482 ug/l

RT: 13.255 min Scan# 1928

Delta R.T. -0.006 min

Lab File: VD072300.D

Acq: 18 Mar 2022 20:05

Instrument :

MSVOA_D

ClientSampleId :

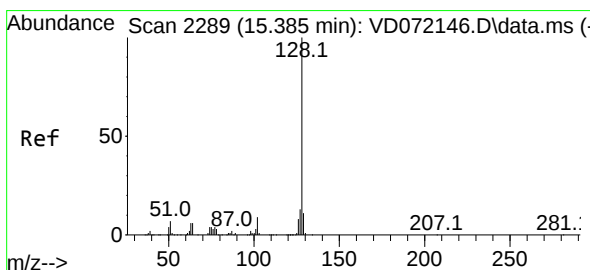
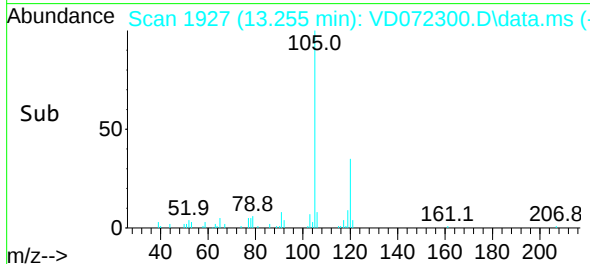
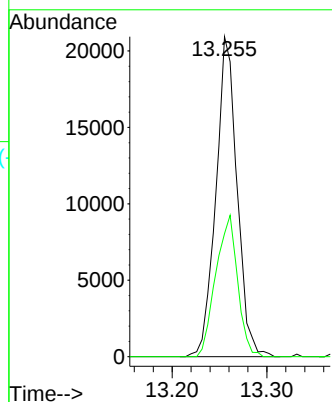
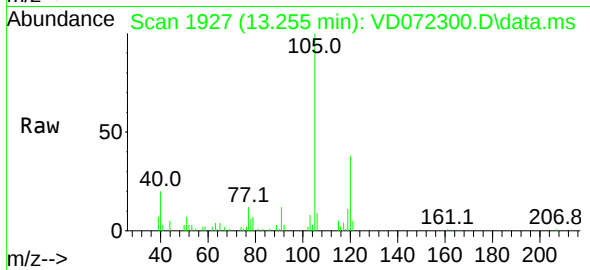
C-19-18-19

Tgt Ion:105 Resp: 32495

Ion Ratio Lower Upper

105 100

120 45.6 22.3 66.8



#95

Naphthalene

Concen: 232.597 ug/l

RT: 15.384 min Scan# 2289

Delta R.T. -0.000 min

Lab File: VD072300.D

Acq: 18 Mar 2022 20:05

Tgt Ion:128 Resp: 2827678

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 11.1 8.4 12.6

