

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071922\
 Data File : VD073861.D
 Acq On : 19 Jul 2022 15:10
 Operator : VA/SY
 Sample : N3688-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 72-12016

Quant Time: Jul 19 15:44:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 01:56:16 2022
 Response via : Initial Calibration

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

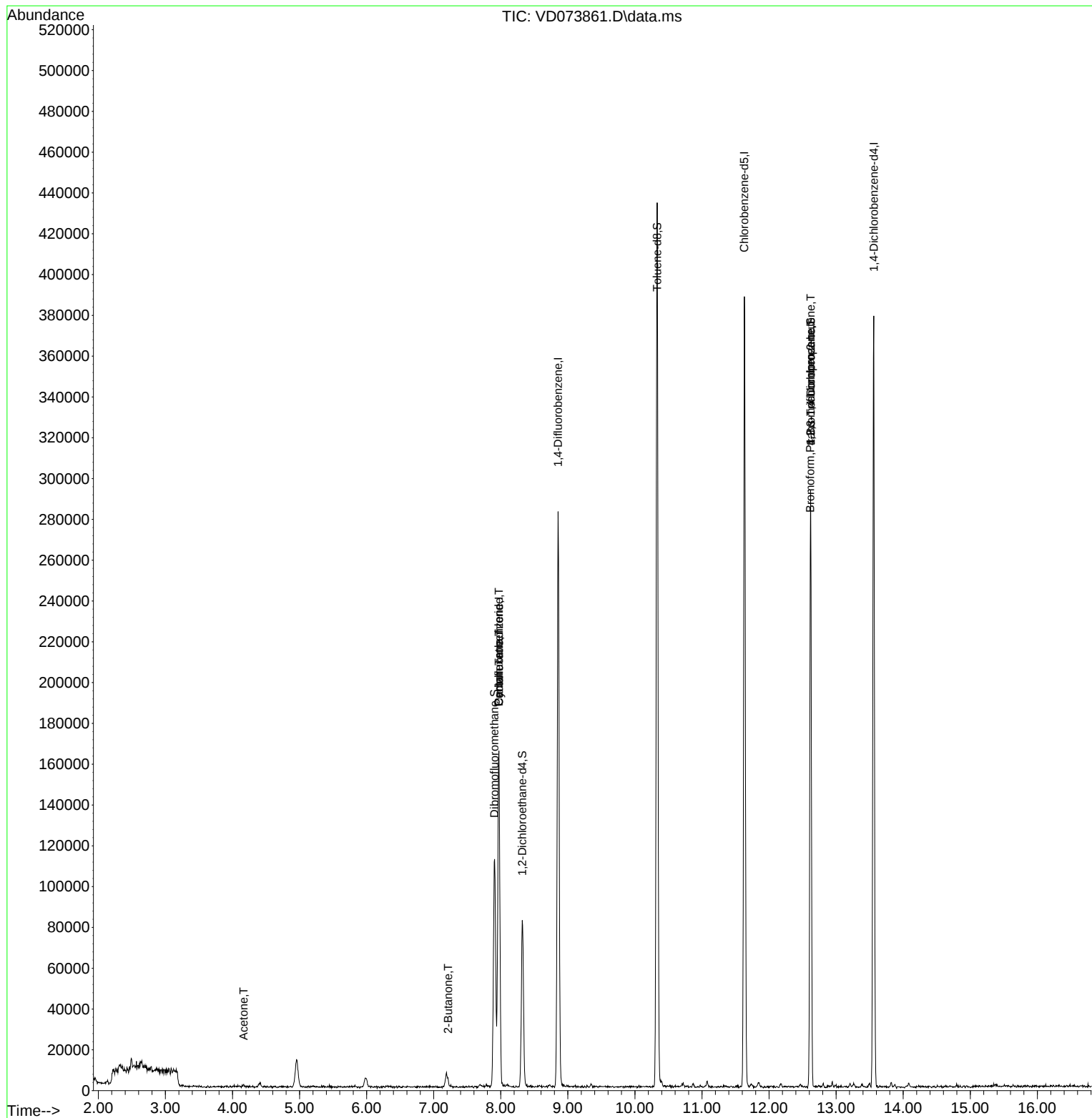
Internal Standards						
1) Pentafluorobenzene	7.973	168	117285	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	233286	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	213521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	94116	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	64583	46.114	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.220%
35) Dibromofluoromethane	7.902	113	77783	47.262	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.520%
50) Toluene-d8	10.332	98	288268	48.249	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.500%
62) 4-Bromofluorobenzene	12.620	95	92294	44.930	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.860%
Target Compounds						
2) Dichlorodifluoromethane	1.997	85	270	Below Cal	#	43
3) Chloromethane	2.209	50	1451	Below Cal		99
11) Tert butyl alcohol	5.185	59	245	Below Cal	#	74
16) Acetone	4.167	43	1222	5.317	ug/l #	87
18) Methyl Acetate	4.773	43	64	Below Cal	#	55
20) Methylene Chloride	4.944	84	10044	Below Cal	#	66
25) 2-Butanone	7.214	43	676	2.072	ug/l #	52
31) Cyclohexane	7.973	56	3455	1.553	ug/l #	40
38) Carbon Tetrachloride	7.973	117	12762	4.707	ug/l #	16
71) Bromoform	12.614	173	1143	1.264	ug/l #	29
76) 1,2,3-Trichloropropane	12.620	75	50891	50.396	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	50891	135.990	ug/l #	7

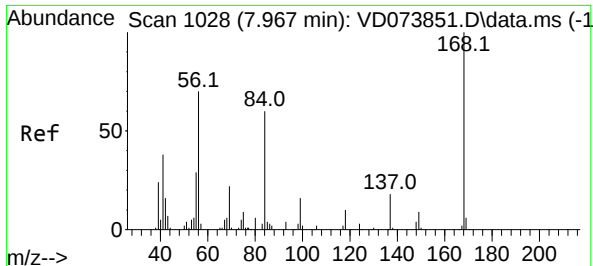
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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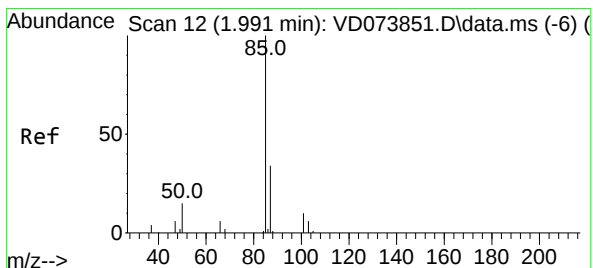
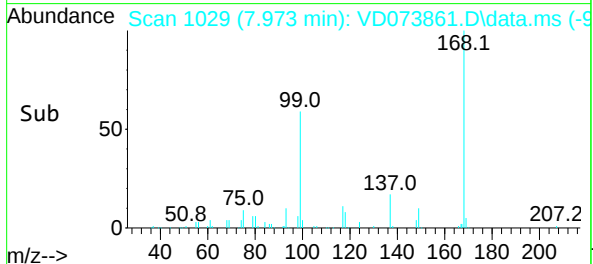
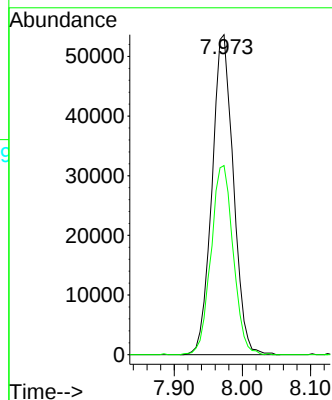
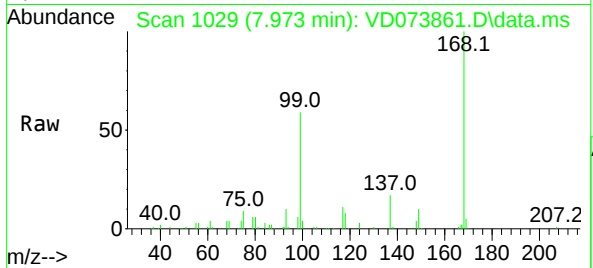




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD073861.D
Acq: 19 Jul 2022 15:10

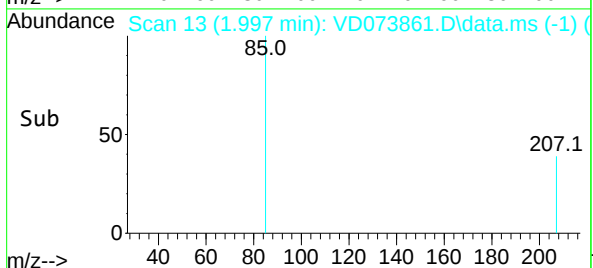
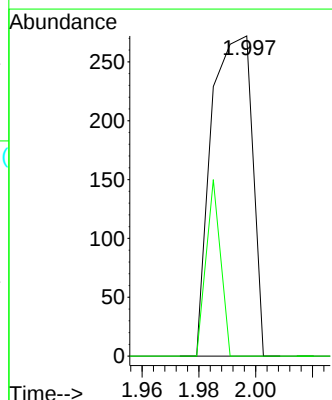
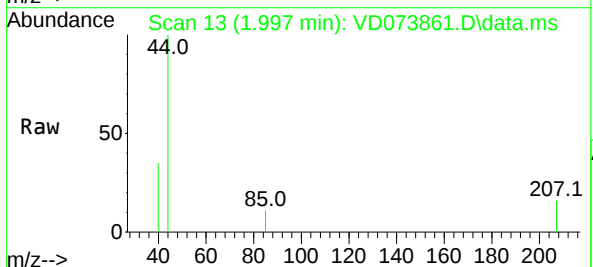
Instrument :
MSVOA_D
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72-12016

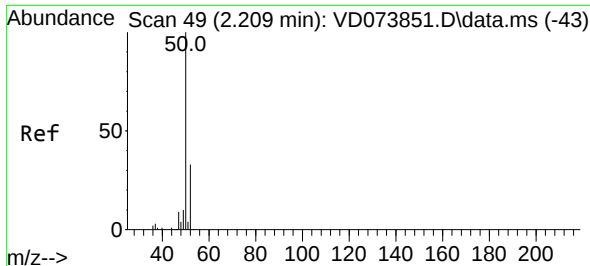
Tgt Ion:168 Resp: 117285
Ion Ratio Lower Upper
168 100
99 59.1 49.8 74.6



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.997 min Scan# 13
Delta R.T. 0.006 min
Lab File: VD073861.D
Acq: 19 Jul 2022 15:10

Tgt Ion: 85 Resp: 270
Ion Ratio Lower Upper
85 100
87 0.0 15.7 47.0#

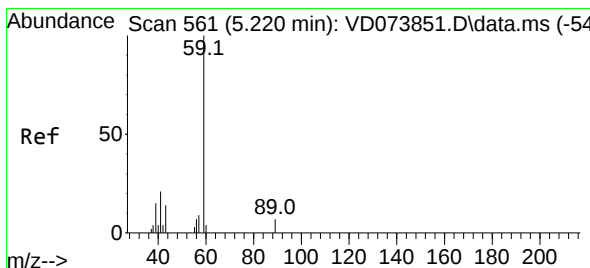
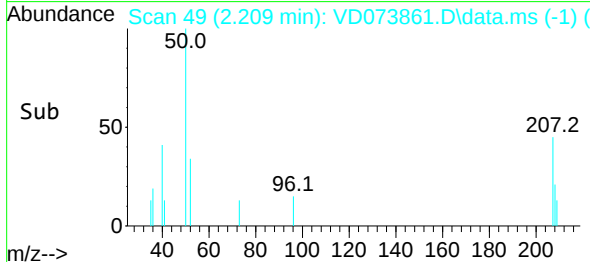
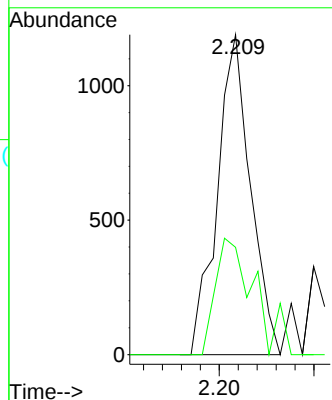
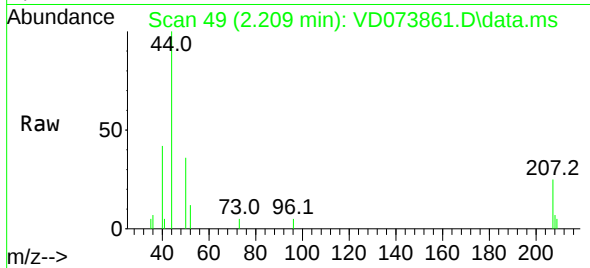




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD073861.D
Acq: 19 Jul 2022 15:10

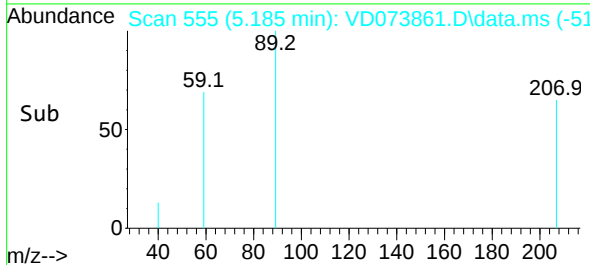
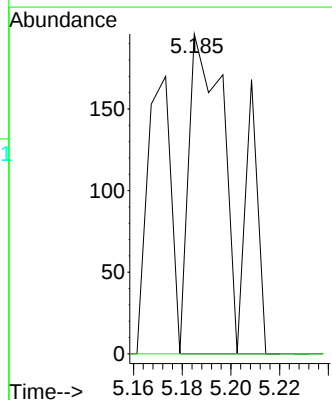
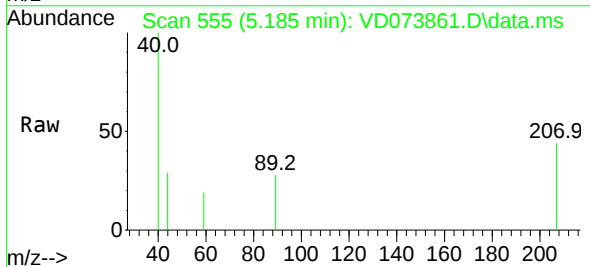
Instrument :
MSVOA_D
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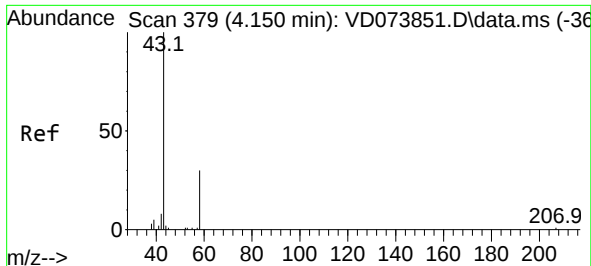
Tgt Ion: 50 Resp: 1451
Ion Ratio Lower Upper
50 100
52 33.5 27.4 41.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.185 min Scan# 555
Delta R.T. -0.035 min
Lab File: VD073861.D
Acq: 19 Jul 2022 15:10

Tgt Ion: 59 Resp: 245
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

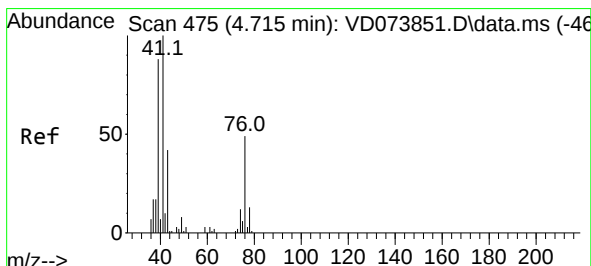
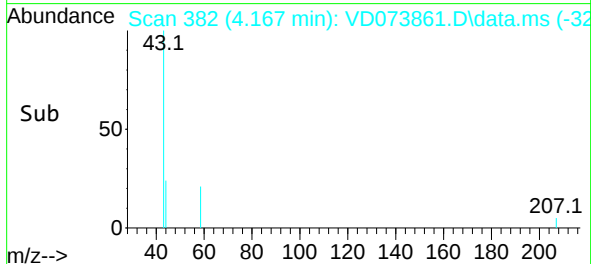
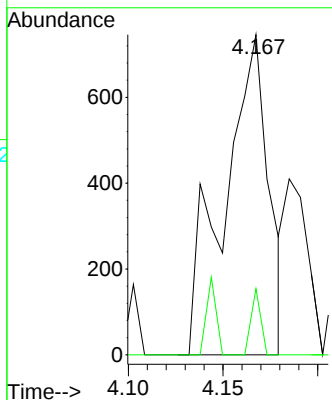
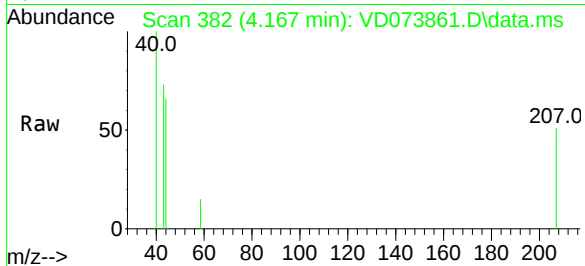




#16
Acetone
Concen: 5.317 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.017 min
Lab File: VD073861.D
Acq: 19 Jul 2022 15:10

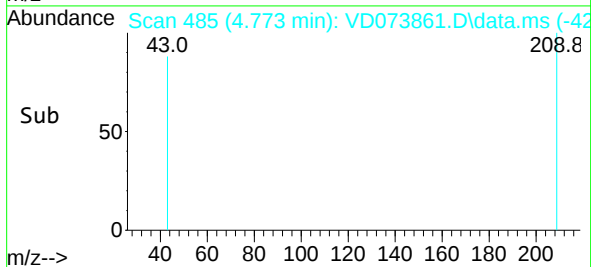
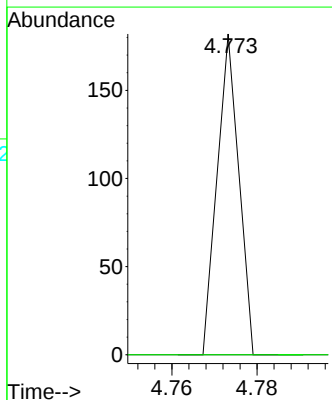
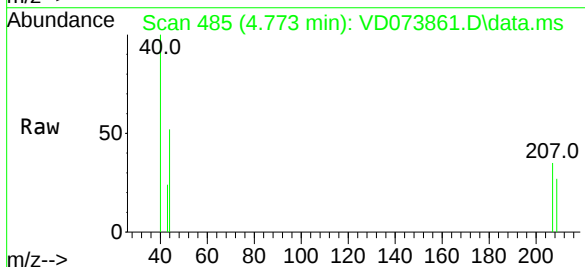
Instrument :
MSVOA_D
ClientSampleId :
72-12016

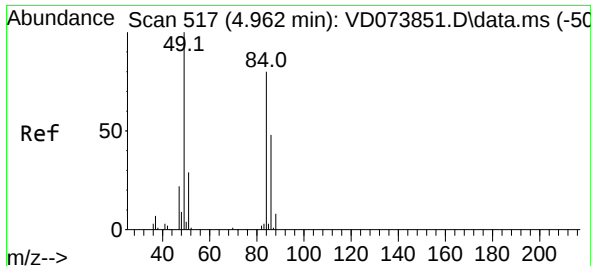
Tgt Ion: 43 Resp: 1222
Ion Ratio Lower Upper
43 100
58 20.6 22.1 33.1#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.773 min Scan# 485
Delta R.T. 0.058 min
Lab File: VD073861.D
Acq: 19 Jul 2022 15:10

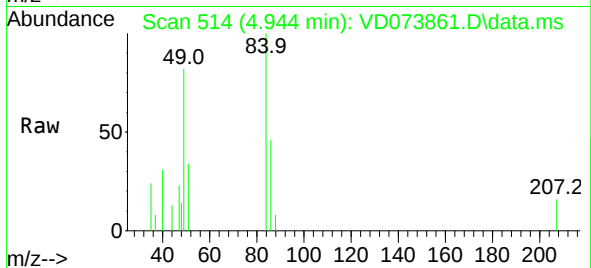
Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



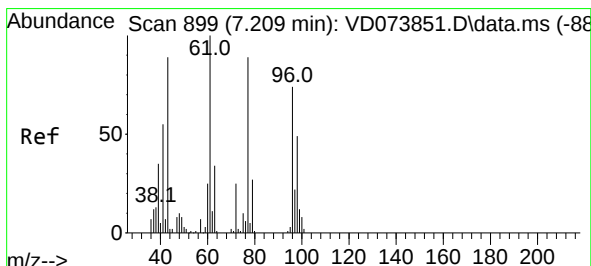
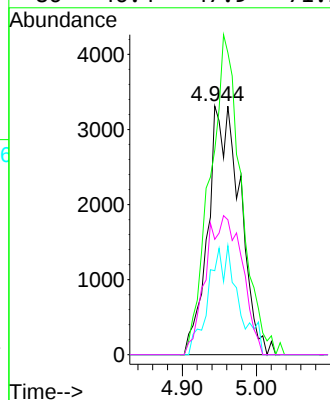
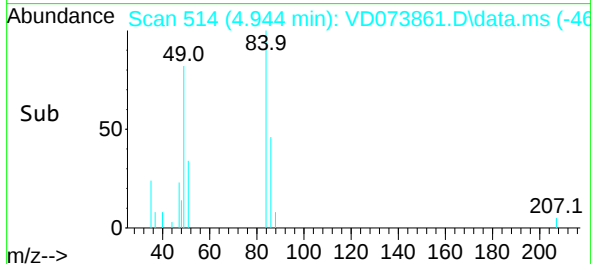


#20
Methylene Chloride
Concen: Below Cal
RT: 4.944 min Scan# 517
Delta R.T. -0.018 min
Lab File: VD073861.D
Acq: 19 Jul 2022 15:10

Instrument :
MSVOA_D
ClientSampleId :
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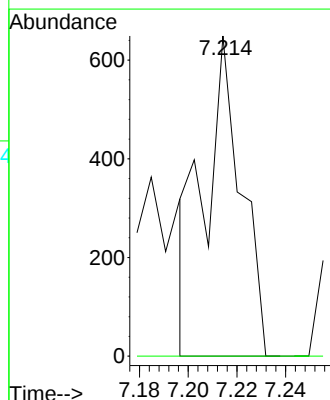
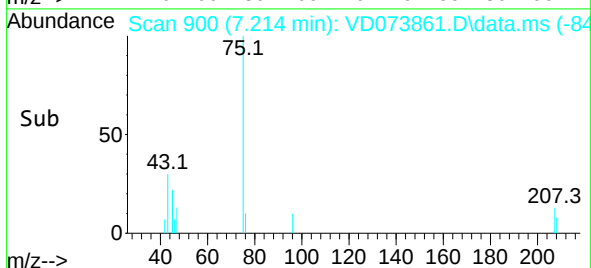
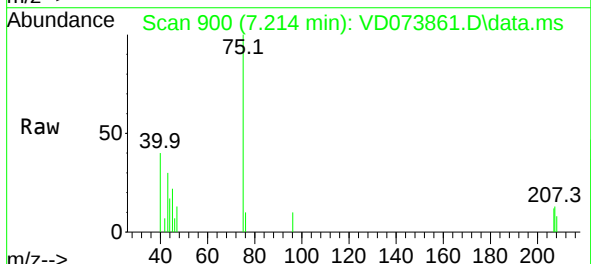


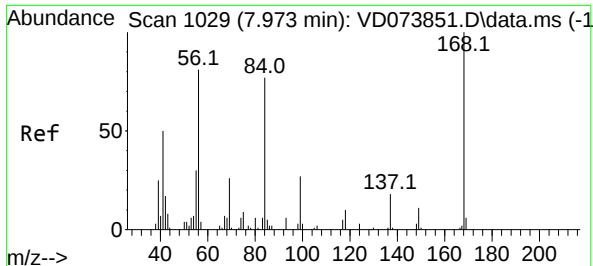
Tgt Ion: 84 Resp: 10044
Ion Ratio Lower Upper
84 100
49 82.3 112.8 169.2#
51 33.8 32.6 48.8
86 46.4 47.9 71.9#



#25
2-Butanone
Concen: 2.072 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD073861.D
Acq: 19 Jul 2022 15:10

Tgt Ion: 43 Resp: 676
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#

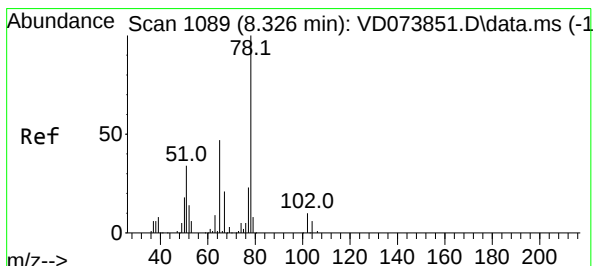
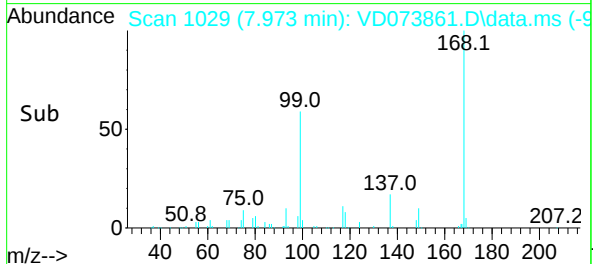
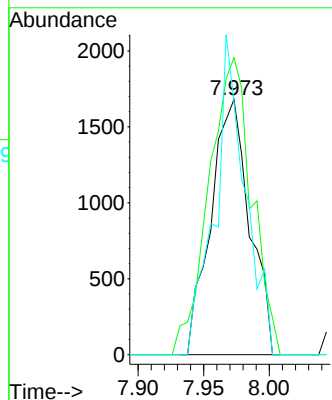
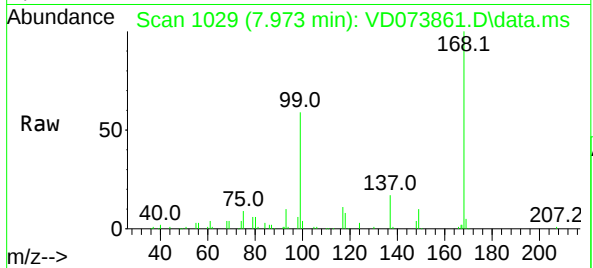




#31
Cyclohexane
Concen: 1.553 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VD073861.D
Acq: 19 Jul 2022 15:10

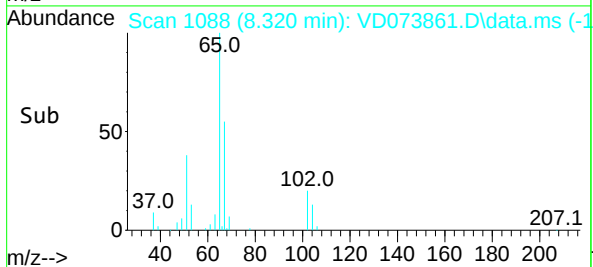
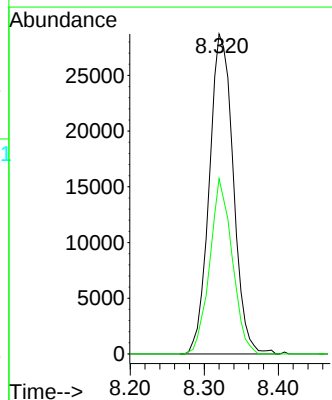
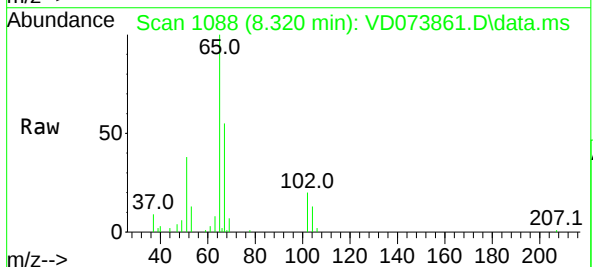
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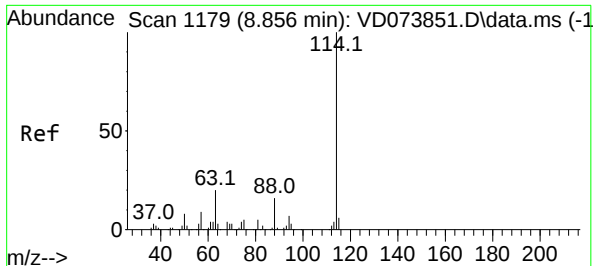
Tgt Ion: 56 Resp: 3455
Ion Ratio Lower Upper
56 100
69 116.4 25.4 38.2#
84 99.2 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 46.114 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD073861.D
Acq: 19 Jul 2022 15:10

Tgt Ion: 65 Resp: 64583
Ion Ratio Lower Upper
65 100
67 51.1 0.0 101.4

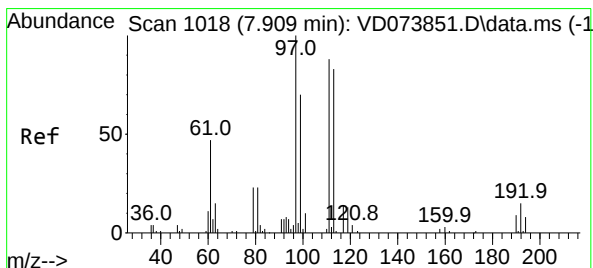
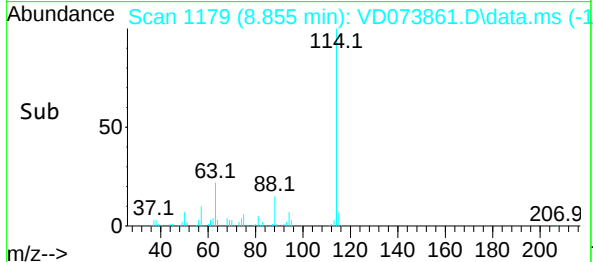
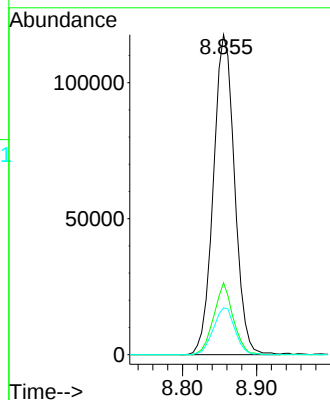
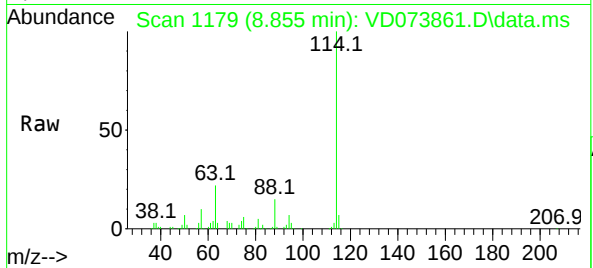




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VD073861.D
Acq: 19 Jul 2022 15:10

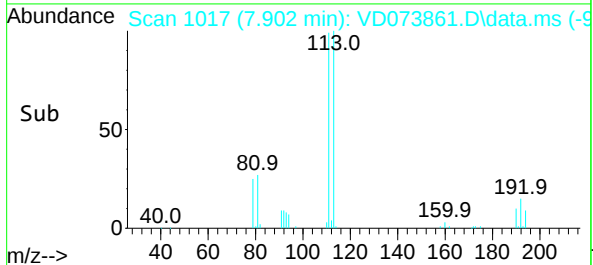
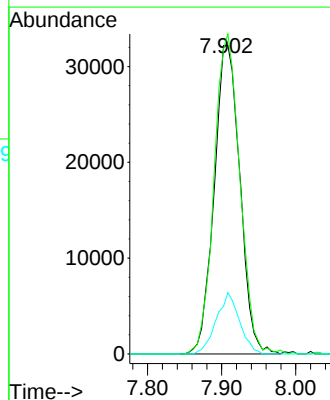
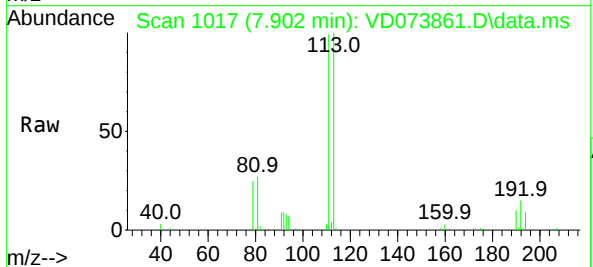
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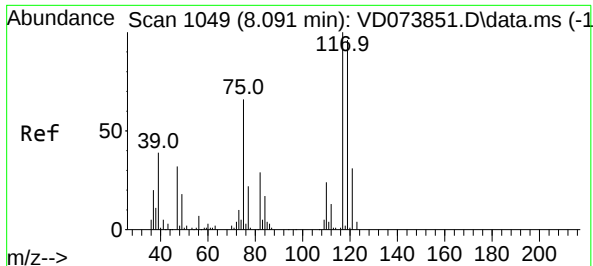
Tgt Ion:114 Resp: 233286
Ion Ratio Lower Upper
114 100
63 22.4 0.0 46.6
88 14.7 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.262 ug/l
RT: 7.902 min Scan# 1017
Delta R.T. -0.006 min
Lab File: VD073861.D
Acq: 19 Jul 2022 15:10

Tgt Ion:113 Resp: 77783
Ion Ratio Lower Upper
113 100
111 103.8 83.8 125.6
192 17.9 14.6 21.8

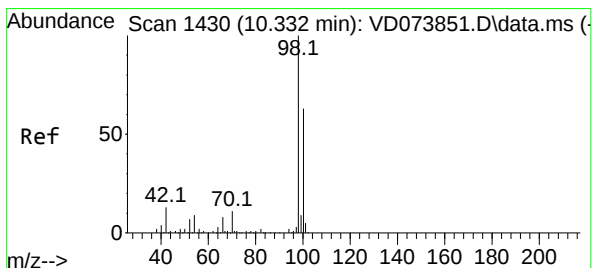
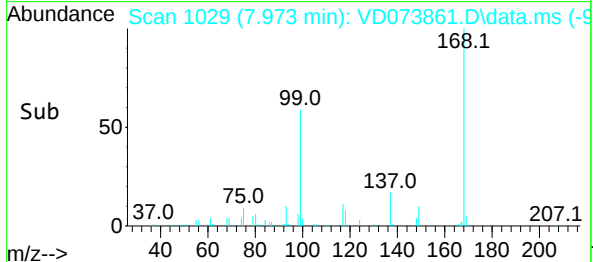
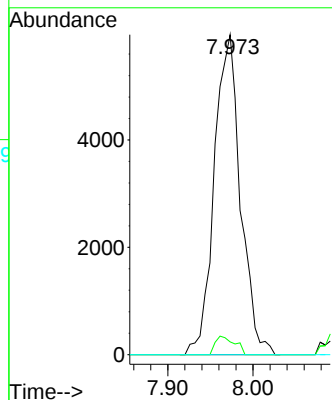
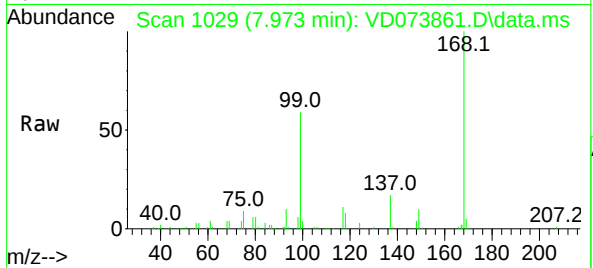




#38
Carbon Tetrachloride
Concen: 4.707 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073861.D
Acq: 19 Jul 2022 15:10

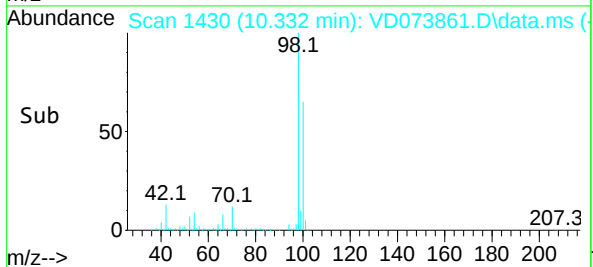
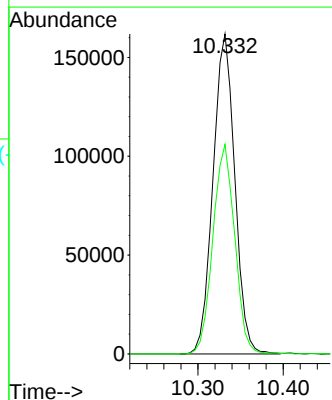
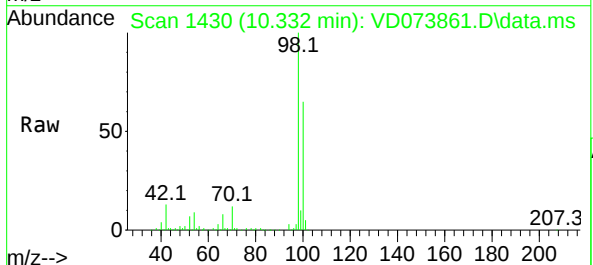
Instrument :
MSVOA_D
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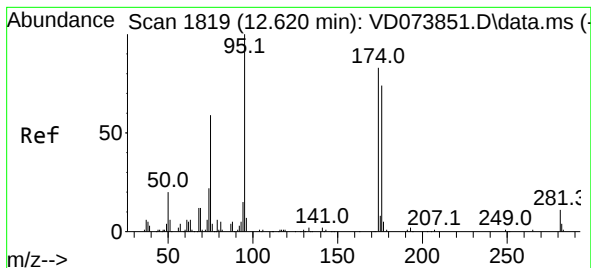
Tgt Ion:117 Resp: 12762
Ion Ratio Lower Upper
117 100
119 4.0 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.249 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073861.D
Acq: 19 Jul 2022 15:10

Tgt Ion: 98 Resp: 288268
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6

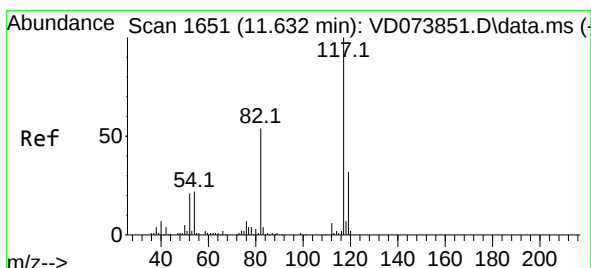
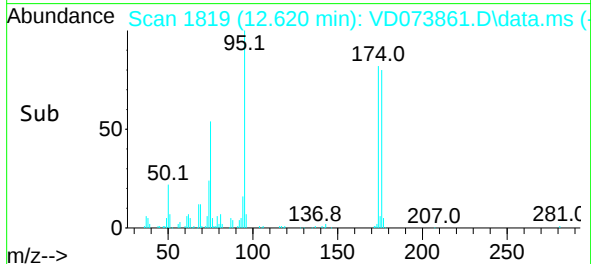
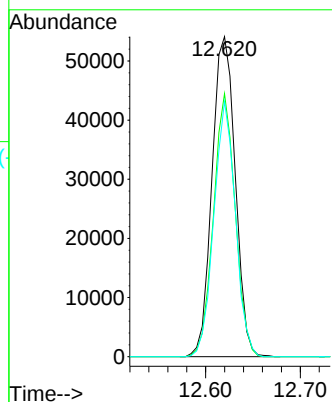
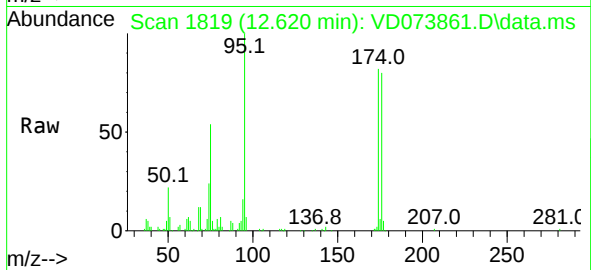




#62
4-Bromofluorobenzene
Concen: 44.930 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073861.D
Acq: 19 Jul 2022 15:10

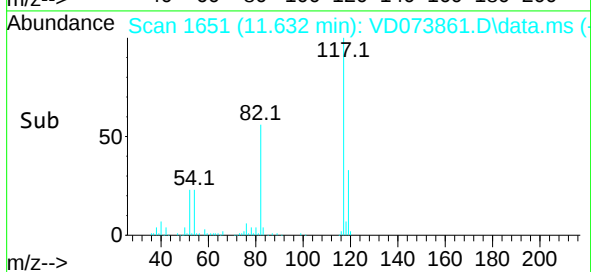
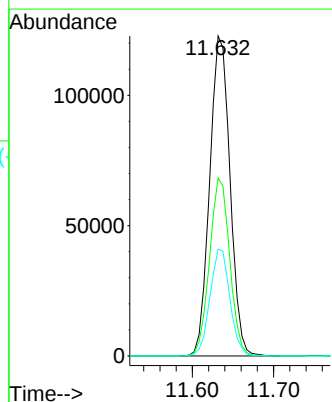
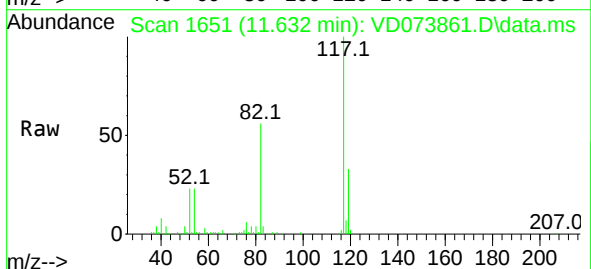
Instrument :
MSVOA_D
ClientSampleId :
72-12016

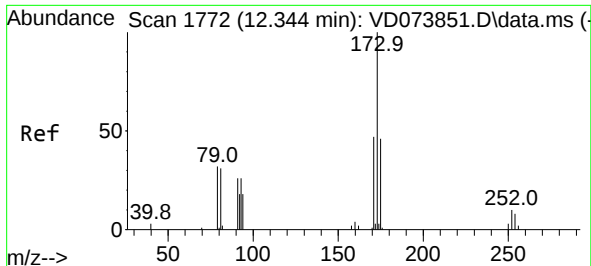
Tgt Ion: 95 Resp: 92294
Ion Ratio Lower Upper
95 100
174 77.0 0.0 152.8
176 73.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073861.D
Acq: 19 Jul 2022 15:10

Tgt Ion: 117 Resp: 213521
Ion Ratio Lower Upper
117 100
82 55.6 45.3 67.9
119 33.4 26.6 40.0

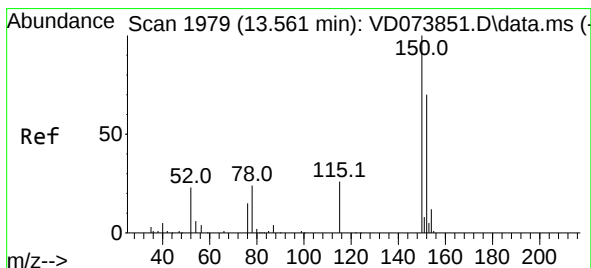
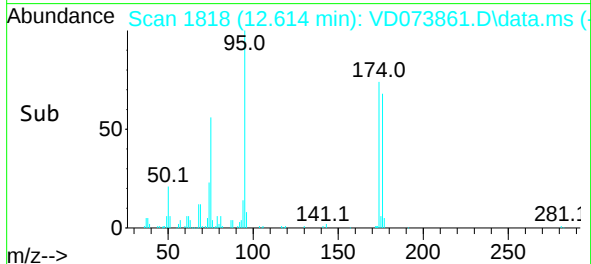
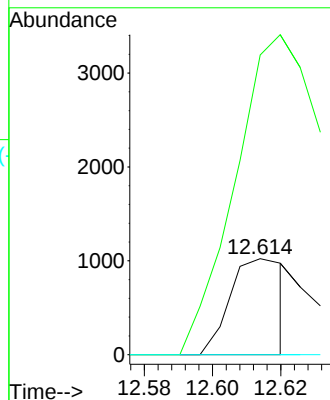
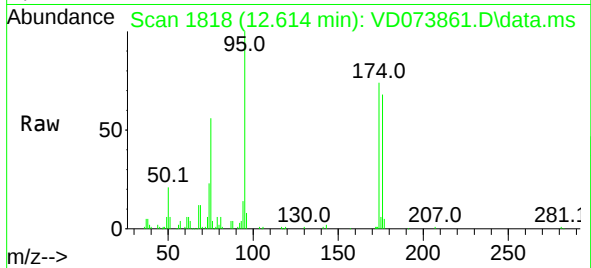




#71
Bromoform
Concen: 1.264 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.270 min
Lab File: VD073861.D
Acq: 19 Jul 2022 15:10

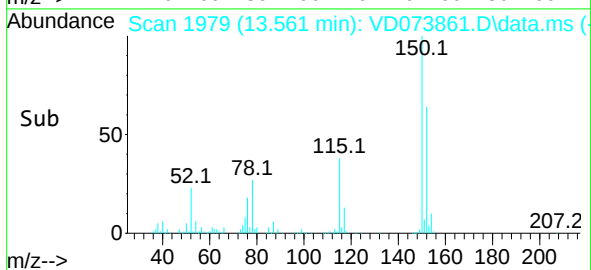
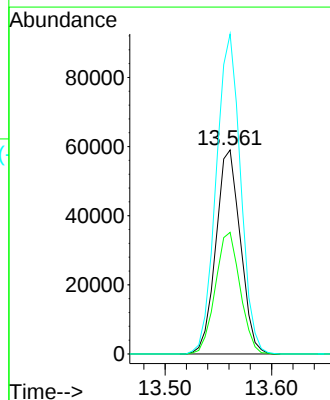
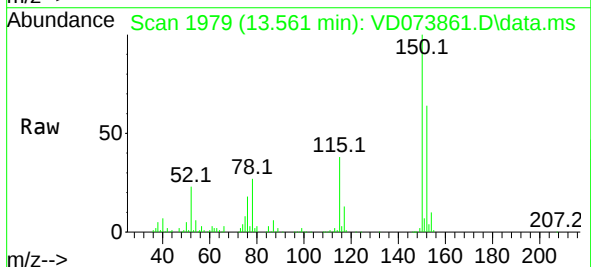
Instrument :
MSVOA_D
ClientSampleId :
72-12016

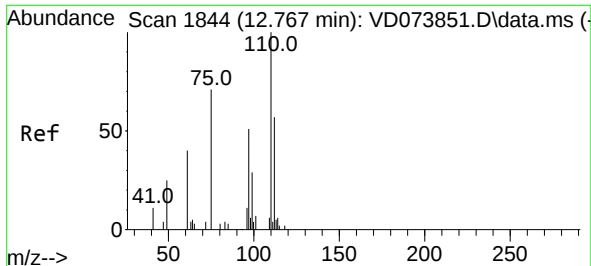
Tgt Ion:173 Resp: 1143
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD073861.D
Acq: 19 Jul 2022 15:10

Tgt Ion:152 Resp: 94116
Ion Ratio Lower Upper
152 100
115 60.3 31.3 93.8
150 156.4 0.0 348.6

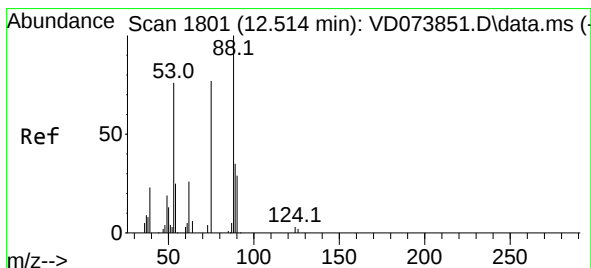
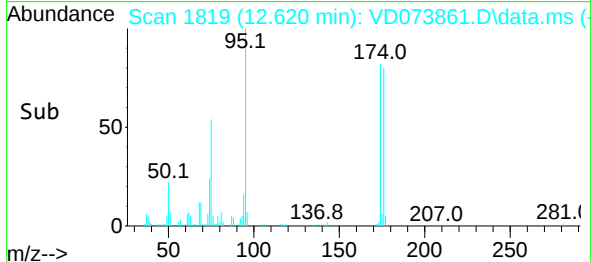
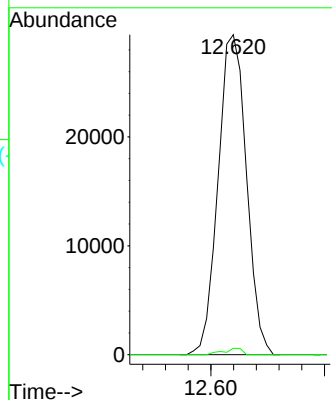
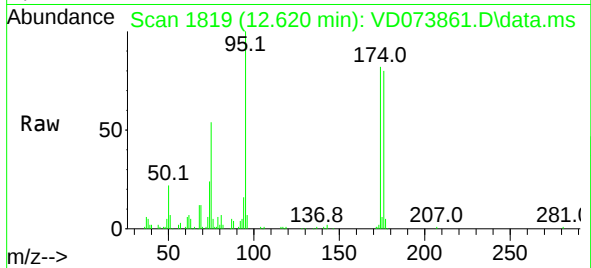




#76
1,2,3-Trichloropropane
Concen: 50.396 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073861.D
Acq: 19 Jul 2022 15:10

Instrument :
MSVOA_D
ClientSampleId :
72-12016

Tgt Ion: 75 Resp: 50891
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 135.990 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073861.D
Acq: 19 Jul 2022 15:10

Tgt Ion: 75 Resp: 50891
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#

