

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052623\
 Data File : VD076264.D
 Acq On : 26 May 2023 18:09
 Operator : KP/SY
 Sample : 02888-03
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FS-SB-20(ELEV-28-26)

Quant Time: May 26 23:17:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

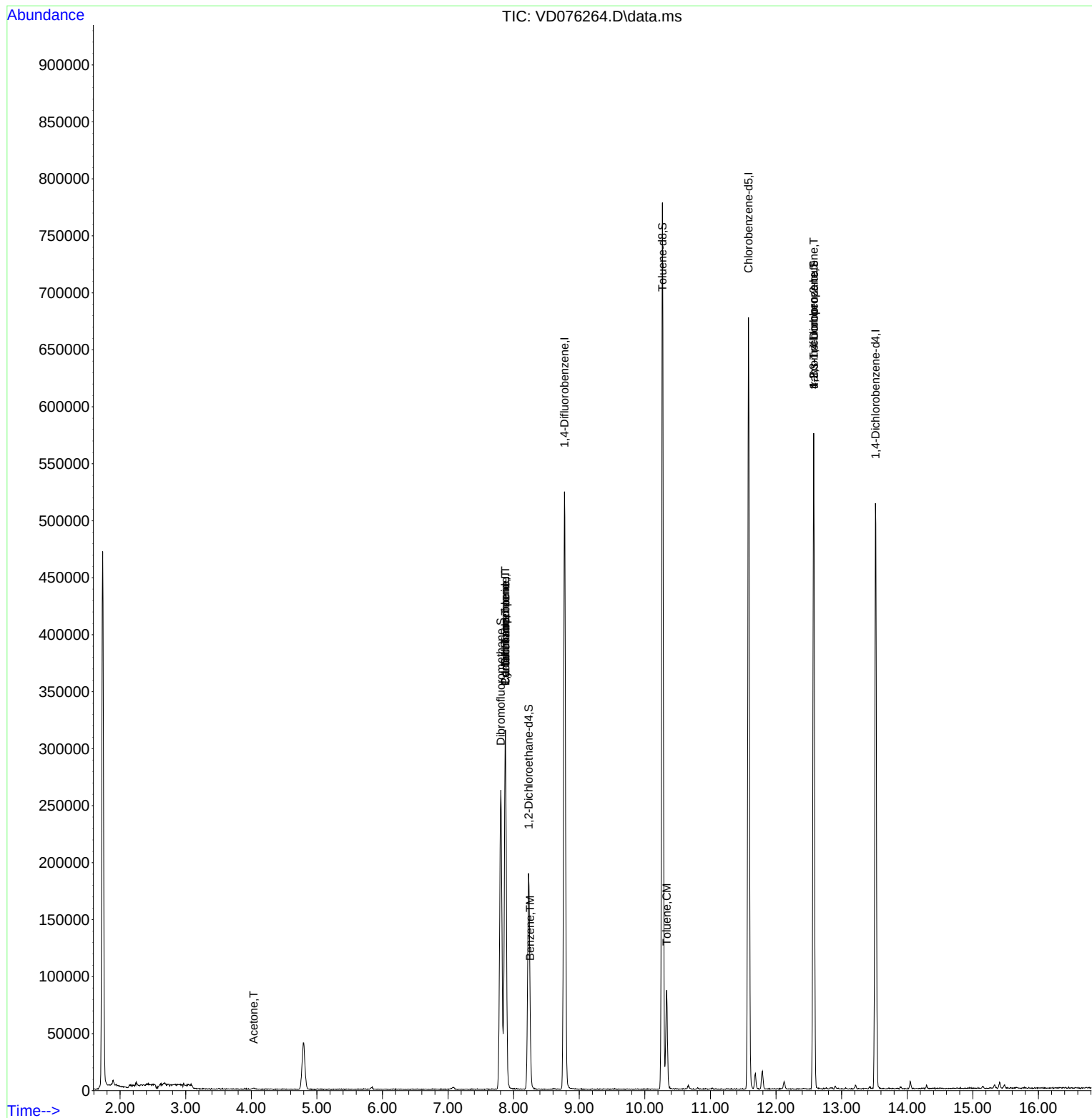
Internal Standards						
1) Pentafluorobenzene	7.875	168	253299	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	501606	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	414881	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	152392	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	137277	56.076	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.160%	
35) Dibromofluoromethane	7.804	113	196056	56.546	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.100%	
50) Toluene-d8	10.269	98	553491	40.951	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 81.900%	
62) 4-Bromofluorobenzene	12.575	95	175622	46.776	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.560%	
Target Compounds						Qvalue
3) Chloromethane	2.140	50	654	Below Cal	#	40
16) Acetone	4.034	43	1594	3.273	ug/l	98
17) Carbon Disulfide	4.269	76	64	Below Cal	#	73
31) Cyclohexane	7.875	56	4822	1.286	ug/l	# 1
36) 1,1-Dichloropropene	7.875	75	19146	4.089	ug/l	# 50
38) Carbon Tetrachloride	7.875	117	23087	5.458	ug/l	# 17
40) Benzene	8.252	78	20114	1.336	ug/l	94
52) Toluene	10.334	92	37248	3.961	ug/l	93
76) 1,2,3-Trichloropropane	12.575	75	88215	66.150	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	88215	138.772	ug/l	# 5

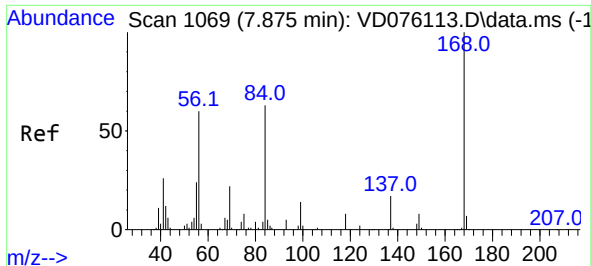
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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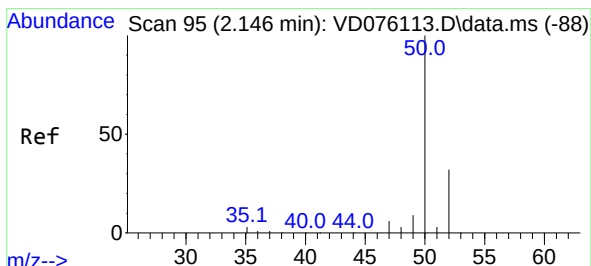
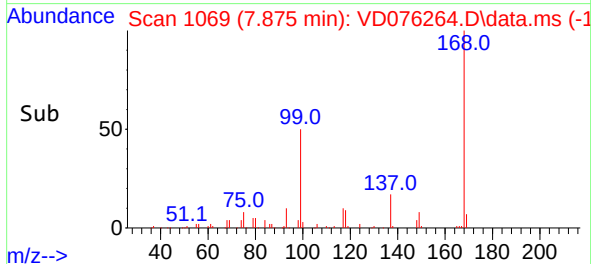
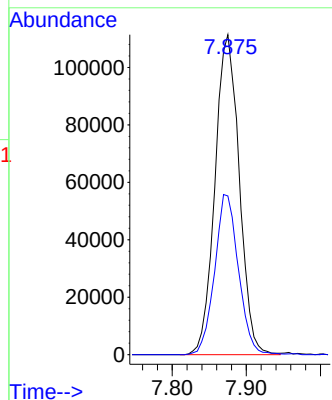
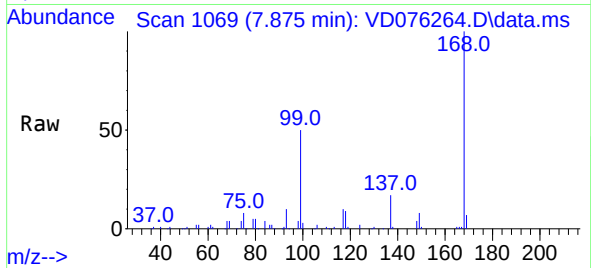




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD076264.D
Acq: 26 May 2023 18:09

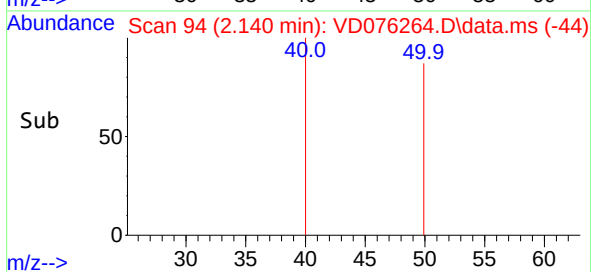
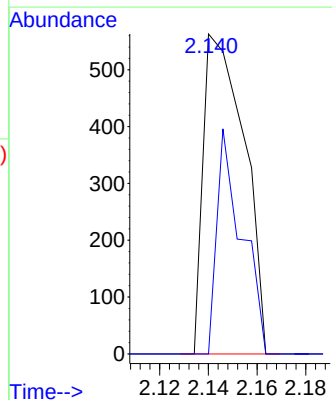
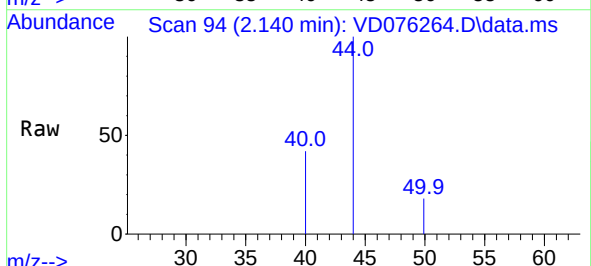
Instrument :
MSVOA_D
ClientSampleId :
FS-SB-20(ELEV-28-26)

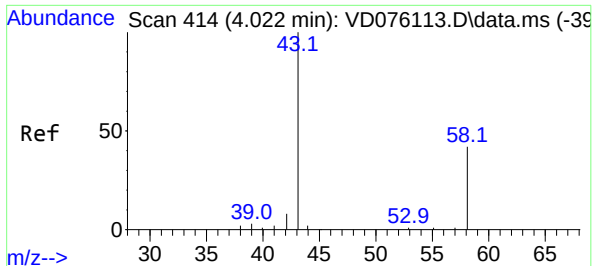
Tgt Ion:168 Resp: 253299
Ion Ratio Lower Upper
168 100
99 49.6 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD076264.D
Acq: 26 May 2023 18:09

Tgt Ion: 50 Resp: 654
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

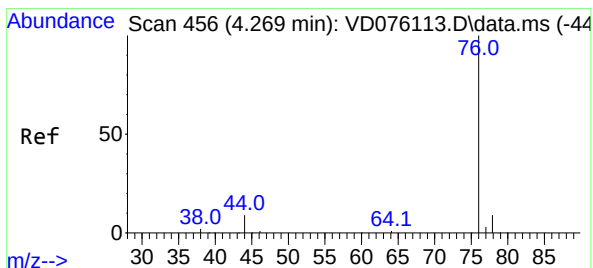
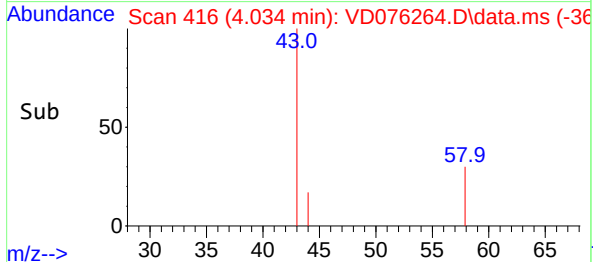
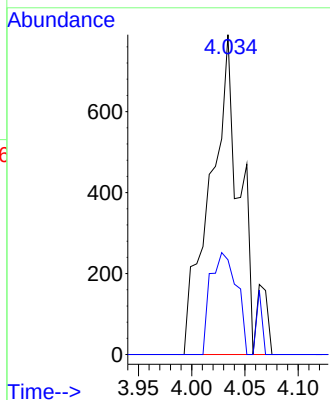
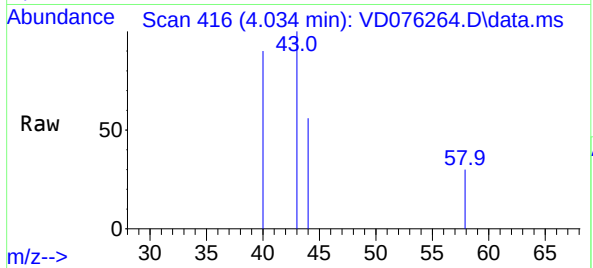




#16
Acetone
Concen: 3.273 ug/l
RT: 4.034 min Scan# 416
Delta R.T. 0.012 min
Lab File: VD076264.D
Acq: 26 May 2023 18:09

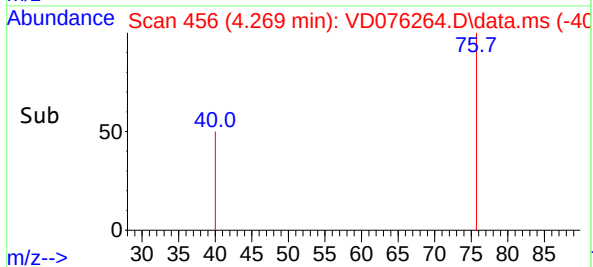
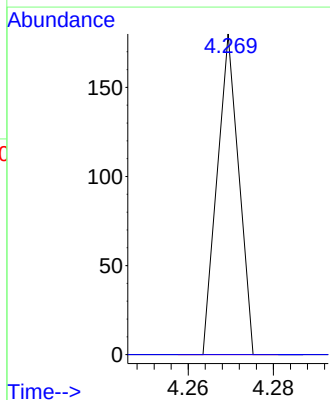
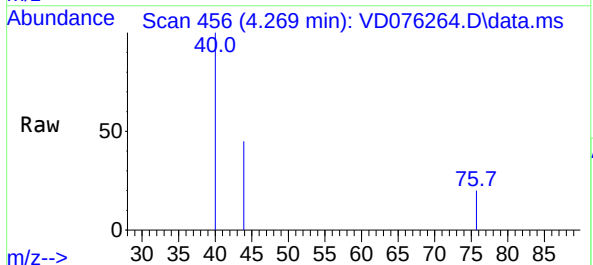
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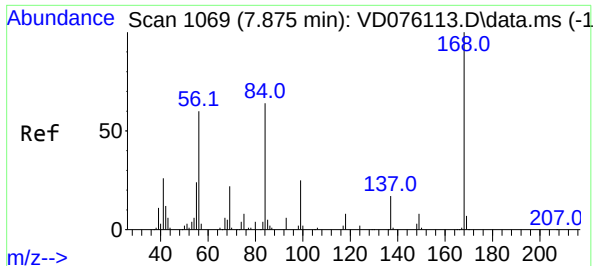
Tgt Ion: 43 Resp: 1594
Ion Ratio Lower Upper
43 100
58 29.6 24.4 36.6



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.269 min Scan# 456
Delta R.T. 0.000 min
Lab File: VD076264.D
Acq: 26 May 2023 18:09

Tgt Ion: 76 Resp: 64
Ion Ratio Lower Upper
76 100
78 0.0 8.0 12.0#

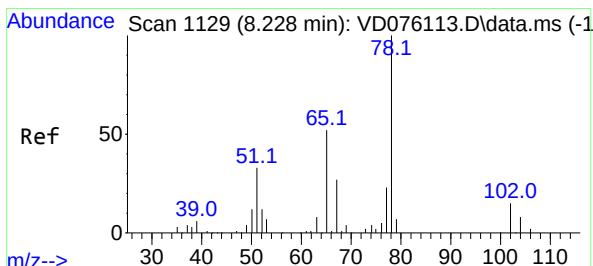
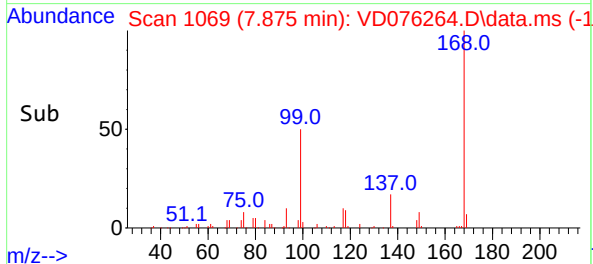
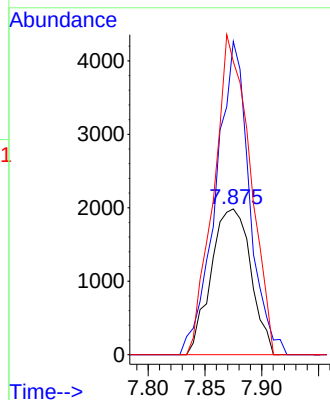
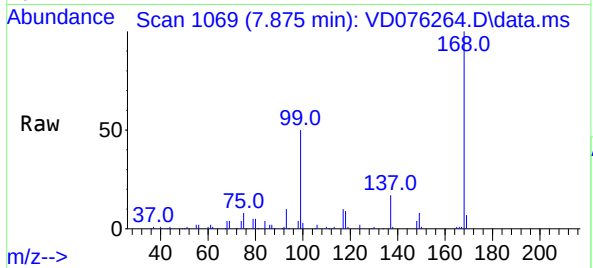




#31
Cyclohexane
Concen: 1.286 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076264.D
Acq: 26 May 2023 18:09

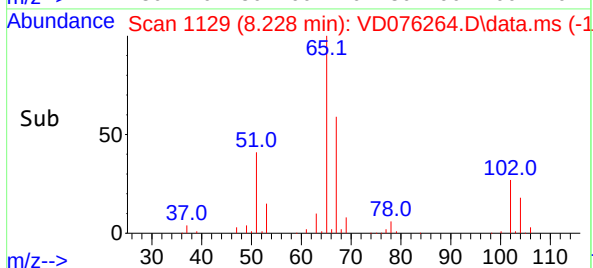
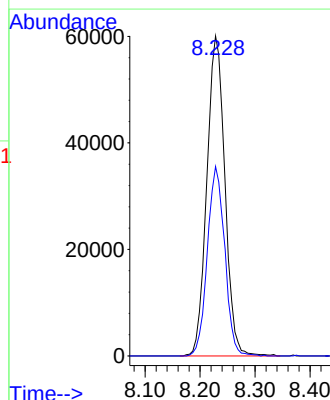
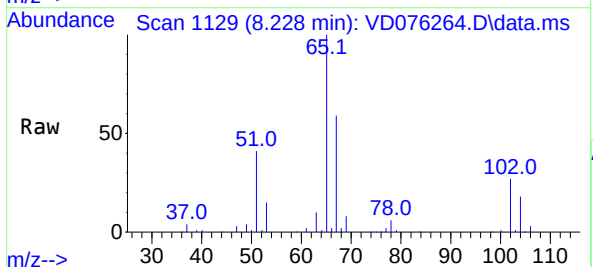
Instrument :
MSVOA_D
ClientSampleId :
FS-SB-20(ELEV-28-26)

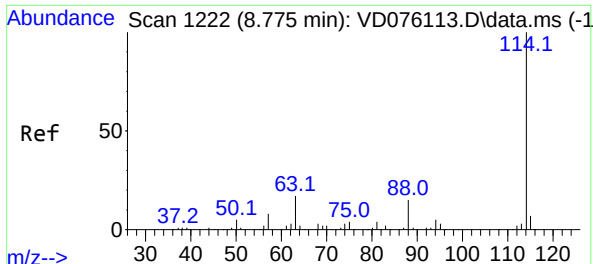
Tgt Ion: 56 Resp: 4822
Ion Ratio Lower Upper
56 100
69 215.0 25.5 38.3#
84 201.2 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 56.076 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD076264.D
Acq: 26 May 2023 18:09

Tgt Ion: 65 Resp: 137277
Ion Ratio Lower Upper
65 100
67 57.0 0.0 102.2

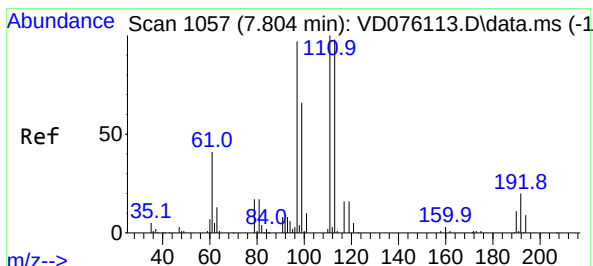
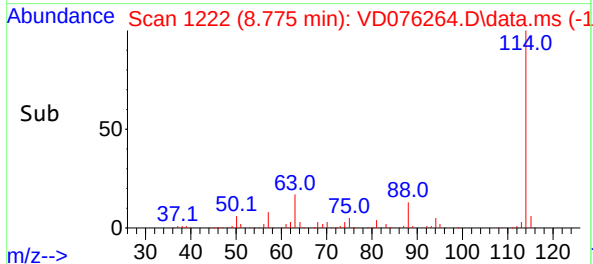
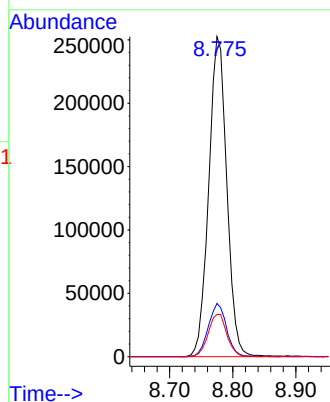
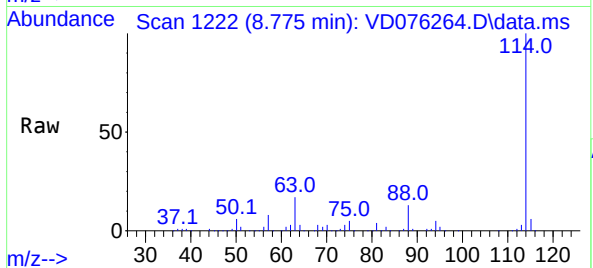




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 111
Delta R.T. 0.000 min
Lab File: VD076264.D
Acq: 26 May 2023 18:09

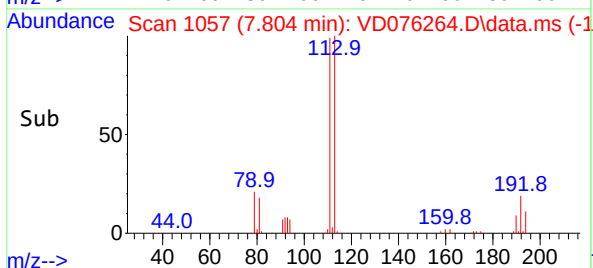
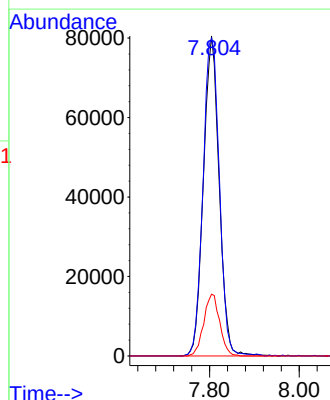
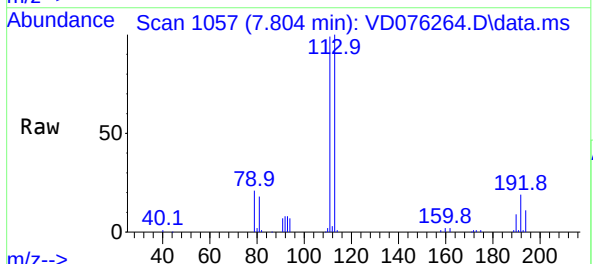
Instrument :
MSVOA_D
ClientSampleId :
FS-SB-20(ELEV-28-26)

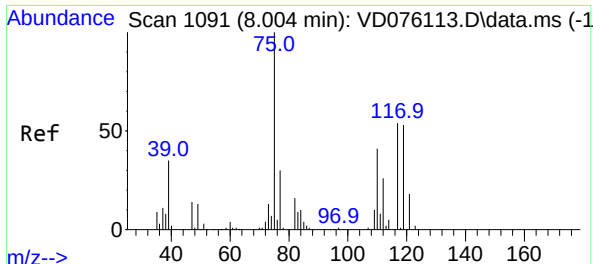
Tgt Ion:114	Resp:	501606
Ion Ratio	Lower	Upper
114	100	
63	16.6	0.0 41.6
88	13.2	0.0 30.6



#35
Dibromofluoromethane
Concen: 56.546 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.001 min
Lab File: VD076264.D
Acq: 26 May 2023 18:09

Tgt Ion:113	Resp:	196056
Ion Ratio	Lower	Upper
113	100	
111	102.9	81.4 122.0
192	19.5	15.2 22.8

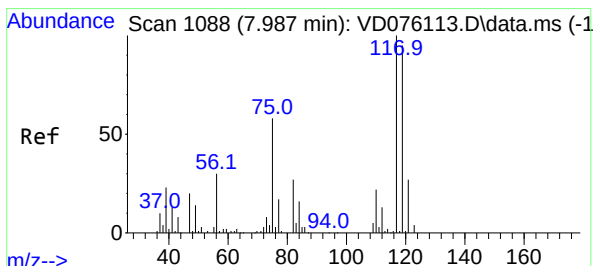
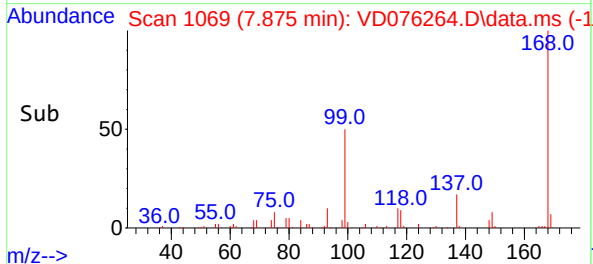
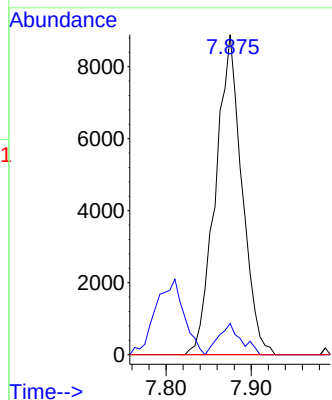
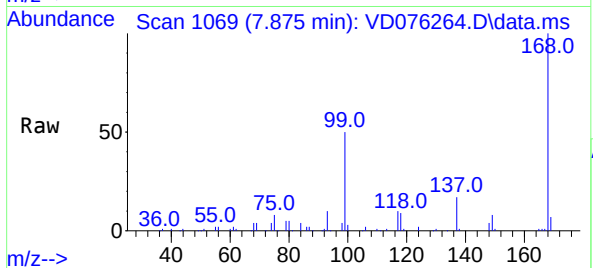




#36
1,1-Dichloropropene
Concen: 4.089 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD076264.D
Acq: 26 May 2023 18:09

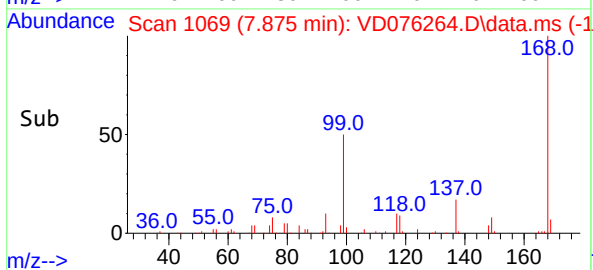
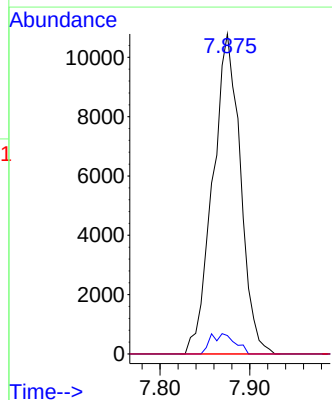
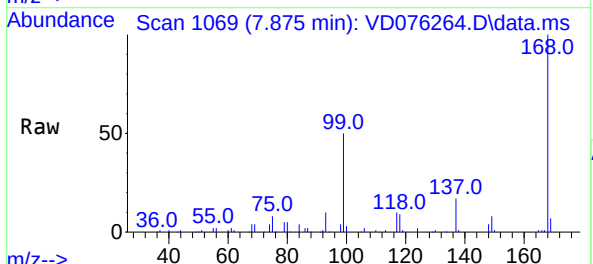
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MSVOA_D
ClientSampleId :
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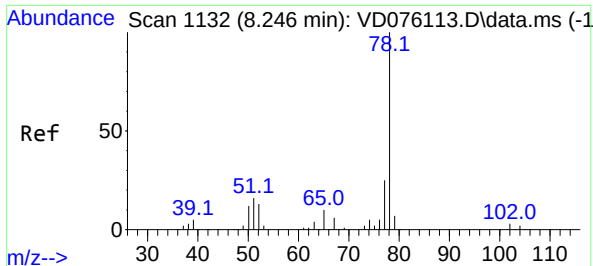
Tgt Ion: 75 Resp: 19146
Ion Ratio Lower Upper
75 100
110 8.3 17.1 51.2#
77 0.0 24.6 36.8#



#38
Carbon Tetrachloride
Concen: 5.458 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD076264.D
Acq: 26 May 2023 18:09

Tgt Ion: 117 Resp: 23087
Ion Ratio Lower Upper
117 100
119 5.8 74.7 112.1#
121 0.0 25.9 38.9#

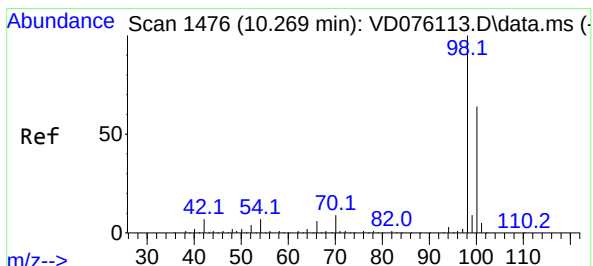
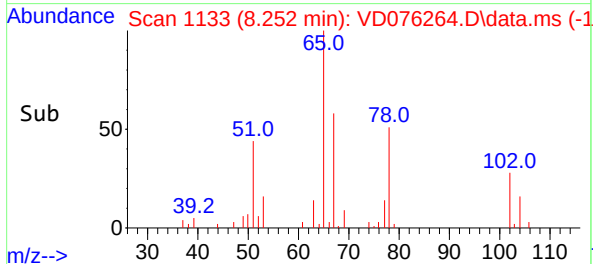
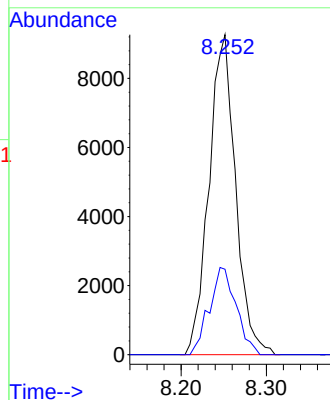
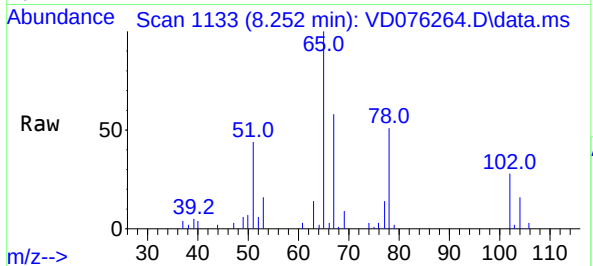




#40
Benzene
Concen: 1.336 ug/l
RT: 8.252 min Scan# 1133
Delta R.T. -0.001 min
Lab File: VD076264.D
Acq: 26 May 2023 18:09

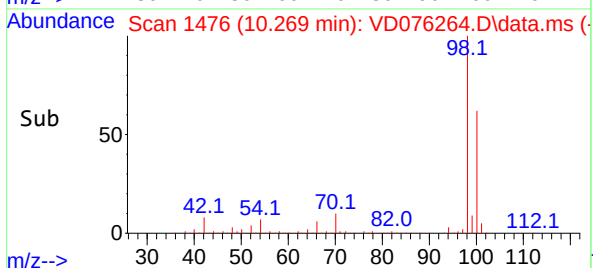
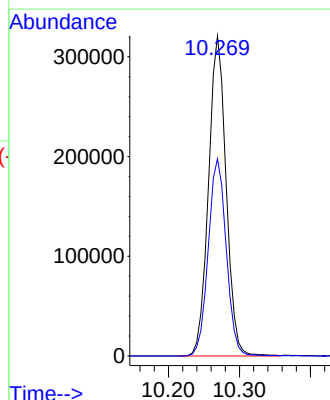
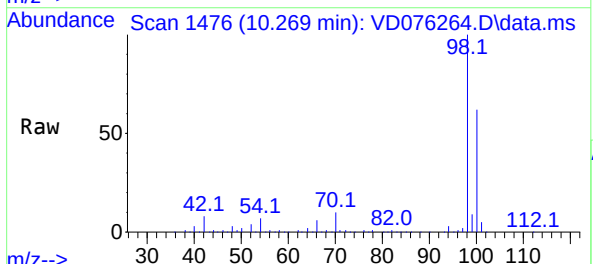
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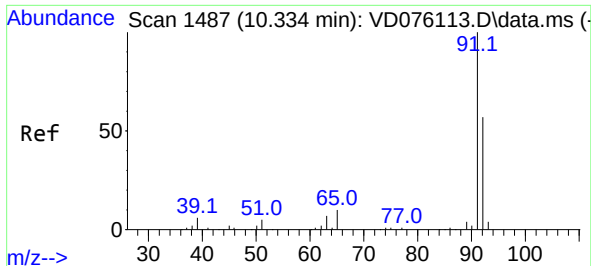
Tgt Ion: 78 Resp: 20114
Ion Ratio Lower Upper
78 100
77 26.7 19.1 28.7



#50
Toluene-d8
Concen: 40.951 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076264.D
Acq: 26 May 2023 18:09

Tgt Ion: 98 Resp: 553491
Ion Ratio Lower Upper
98 100
100 62.9 52.1 78.1

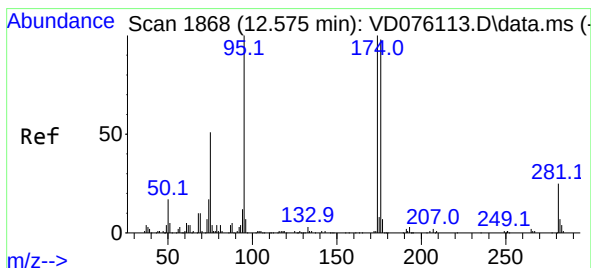
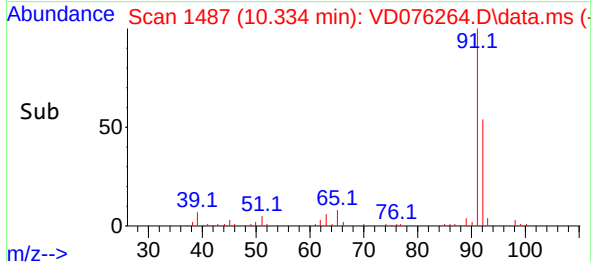
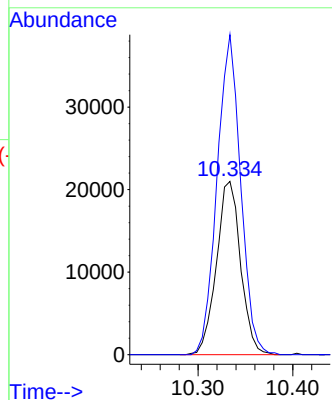
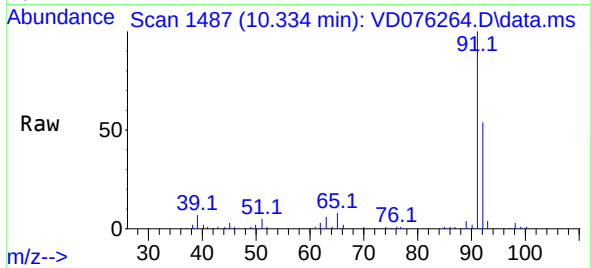




#52
Toluene
Concen: 3.961 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD076264.D
Acq: 26 May 2023 18:09

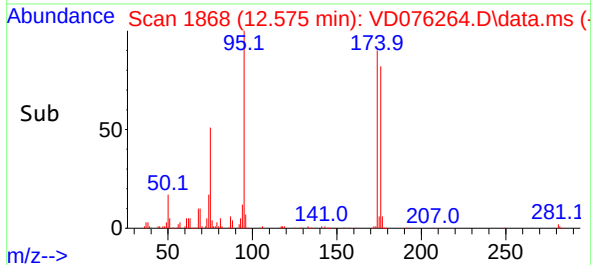
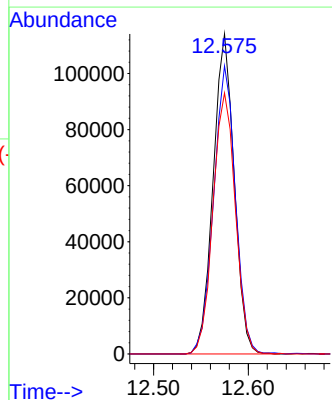
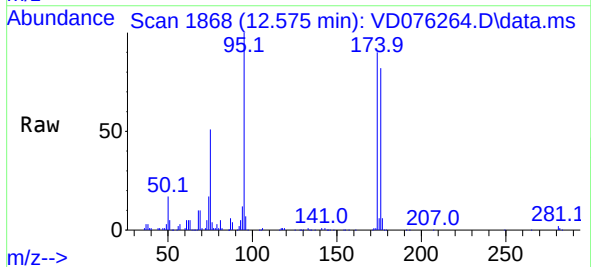
Instrument :
MSVOA_D
ClientSampleId :
FS-SB-20(ELEV-28-26)

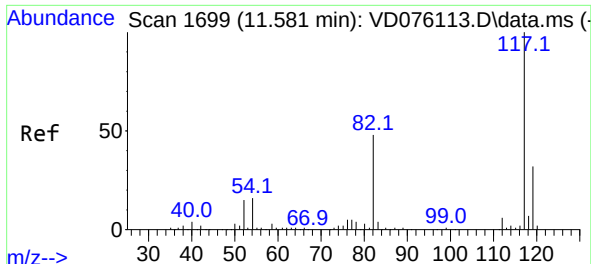
Tgt Ion: 92 Resp: 37248
Ion Ratio Lower Upper
92 100
91 180.2 136.5 204.7



#62
4-Bromofluorobenzene
Concen: 46.776 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076264.D
Acq: 26 May 2023 18:09

Tgt Ion: 95 Resp: 175622
Ion Ratio Lower Upper
95 100
174 93.6 0.0 164.0
176 87.1 0.0 156.8

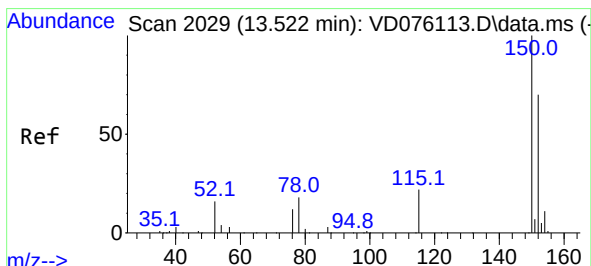
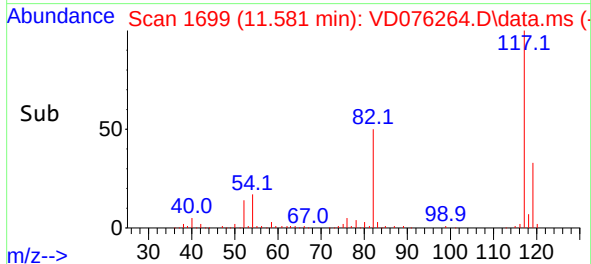
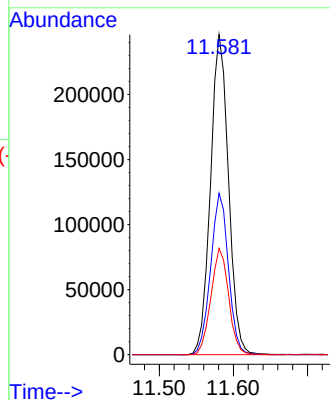
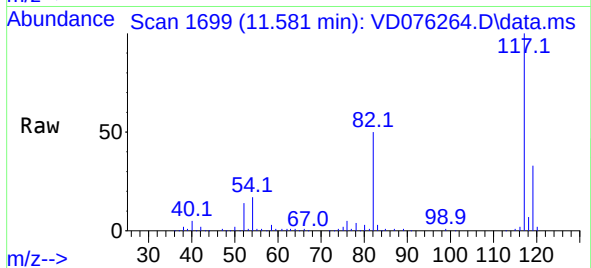




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD076264.D
Acq: 26 May 2023 18:09

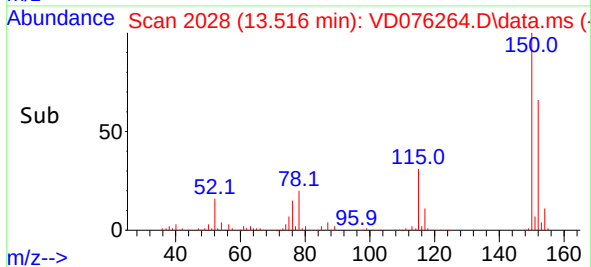
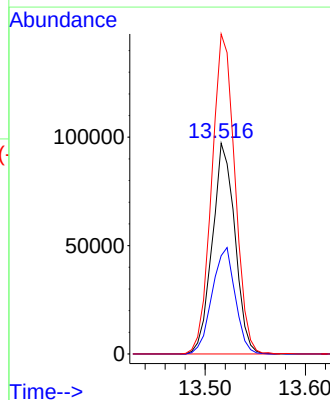
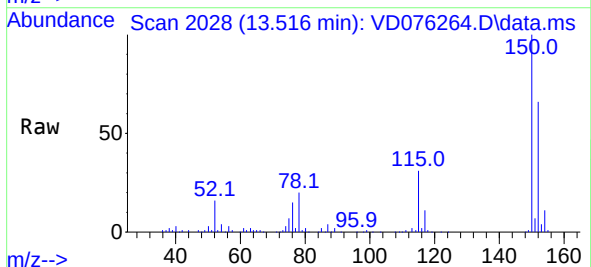
Instrument :
MSVOA_D
ClientSampleId :
FS-SB-20(ELEV-28-26)

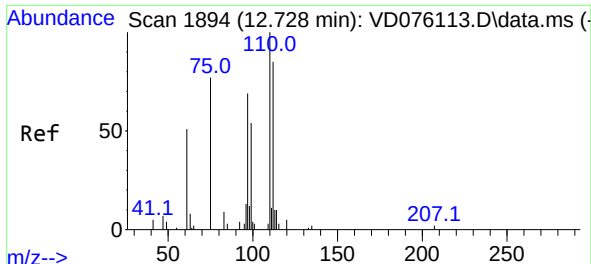
Tgt Ion:117 Resp: 414881
Ion Ratio Lower Upper
117 100
82 50.4 44.0 66.0
119 33.2 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076264.D
Acq: 26 May 2023 18:09

Tgt Ion:152 Resp: 152392
Ion Ratio Lower Upper
152 100
115 51.6 30.1 90.3
150 155.7 0.0 364.8

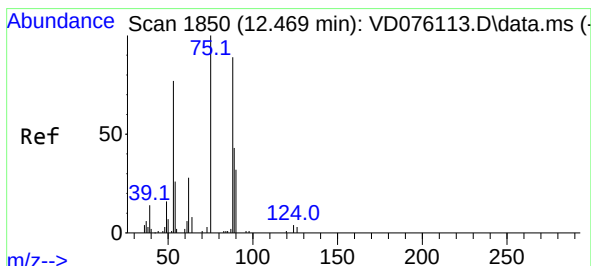
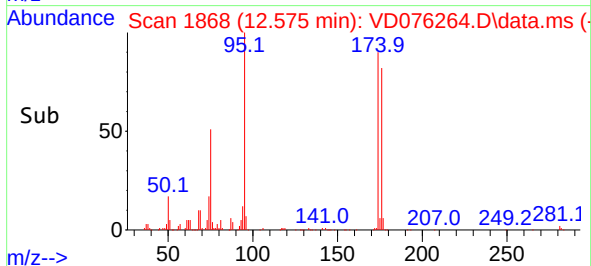
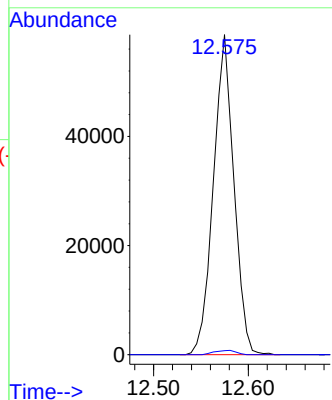
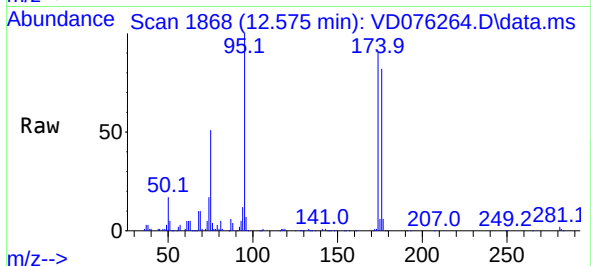




#76
1,2,3-Trichloropropane
Concen: 66.150 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD076264.D
Acq: 26 May 2023 18:09

Instrument :
MSVOA_D
ClientSampleId :
FS-SB-20(ELEV-28-26)

Tgt Ion: 75 Resp: 88215
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 138.772 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD076264.D
Acq: 26 May 2023 18:09

Tgt Ion: 75 Resp: 88215
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.1 40.2 60.4#

