

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052523\
 Data File : VD076243.D
 Acq On : 25 May 2023 20:08
 Operator : KP/SY
 Sample : 02913-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-052423

Quant Time: May 26 02:01:18 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)

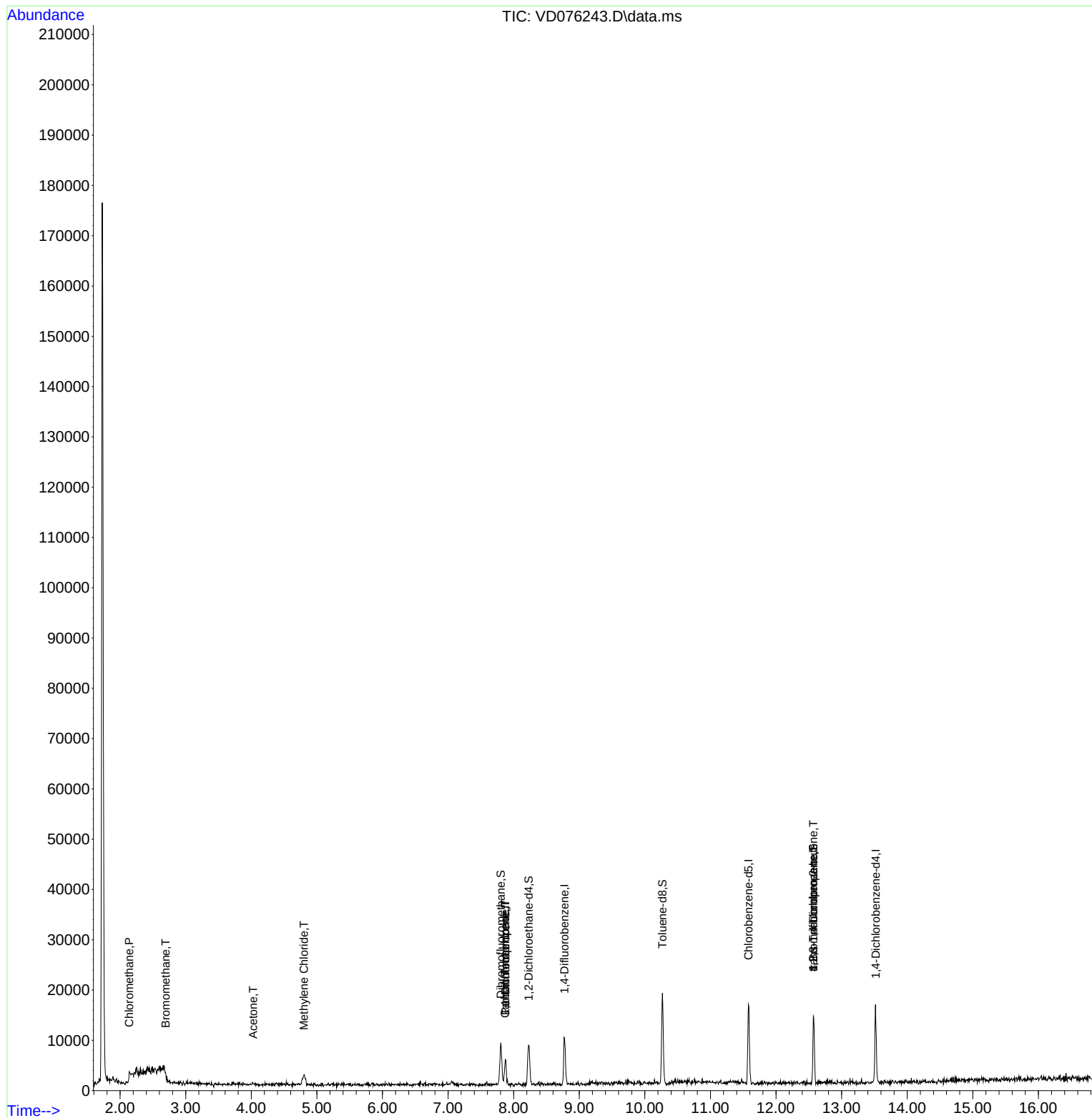
Internal Standards						
1) Pentafluorobenzene	7.875	168	4837	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	10548	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	11094	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	4858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	6842	146.358	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 292.720%#	
35) Dibromofluoromethane	7.804	113	6106	83.747	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 167.500%#	
50) Toluene-d8	10.269	98	14011	49.296	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.600%	
62) 4-Bromofluorobenzene	12.569	95	4608	58.364	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 116.720%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.140	50	502	2.817	ug/l #	66
5) Bromomethane	2.693	94	516	8.146	ug/l #	65
16) Acetone	4.028	43	150	16.127	ug/l #	44
20) Methylene Chloride	4.805	84	1895	19.988	ug/l #	70
36) 1,1-Dichloropropene	7.875	75	218	2.214	ug/l #	42
38) Carbon Tetrachloride	7.869	117	256	2.878	ug/l #	13
76) 1,2,3-Trichloropropane	12.569	75	2358	55.467	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	2358	116.361	ug/l #	5

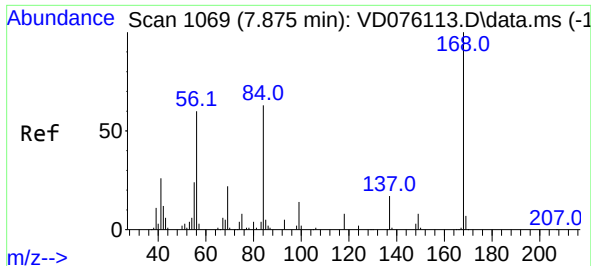
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 16 10:08:53 2023
Response via : Initial Calibration

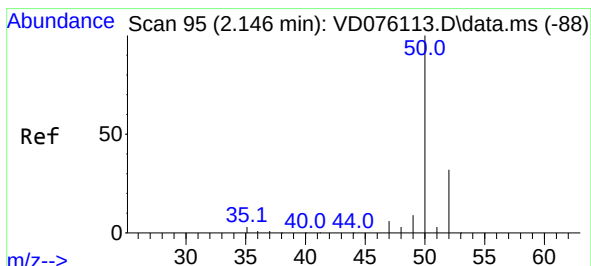
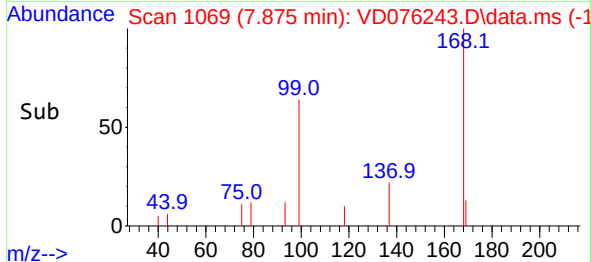
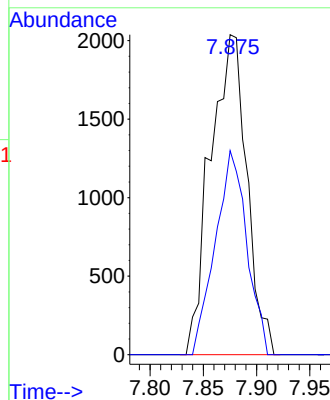
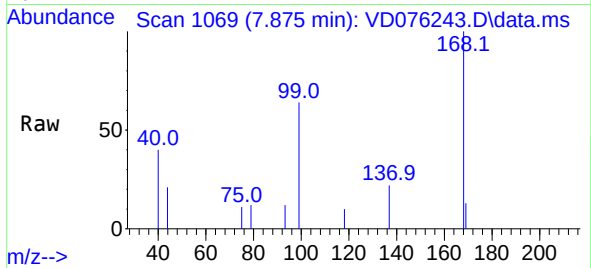




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD076243.D
Acq: 25 May 2023 20:08

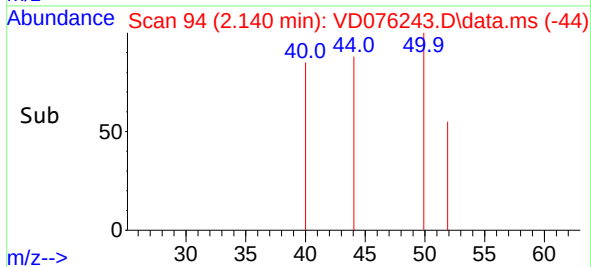
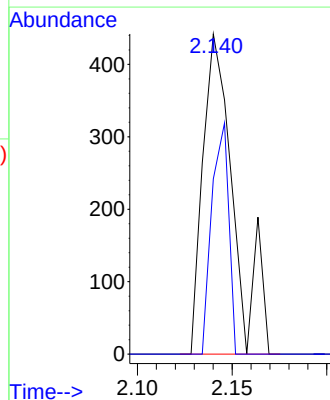
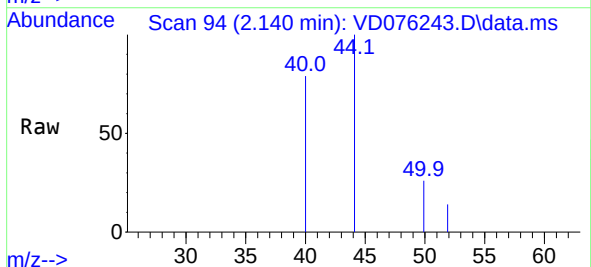
Instrument :
MSVOA_D
ClientSampleId :
SU-04-052423

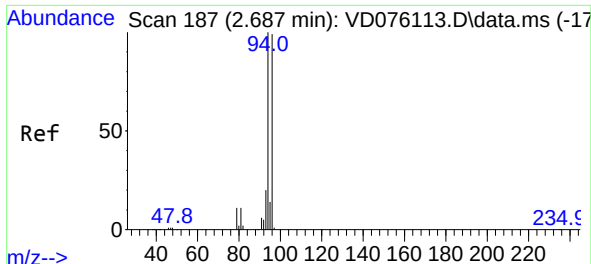
Tgt Ion:168 Resp: 4837
Ion Ratio Lower Upper
168 100
99 63.7 43.8 65.6



#3
Chloromethane
Concen: 2.817 ug/l
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD076243.D
Acq: 25 May 2023 20:08

Tgt Ion: 50 Resp: 502
Ion Ratio Lower Upper
50 100
52 54.8 27.8 41.8#

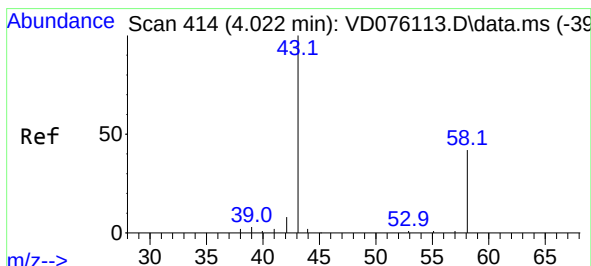
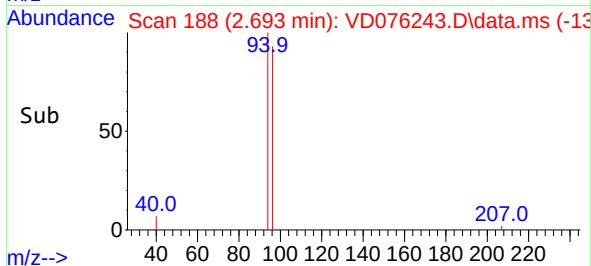
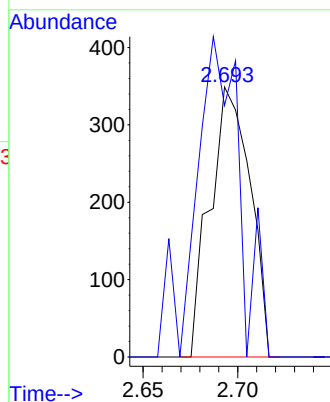
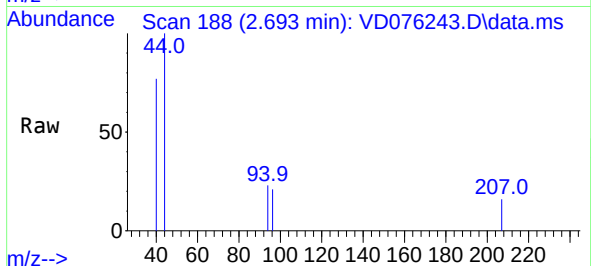




#5
Bromomethane
Concen: 8.146 ug/l
RT: 2.693 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD076243.D
Acq: 25 May 2023 20:08

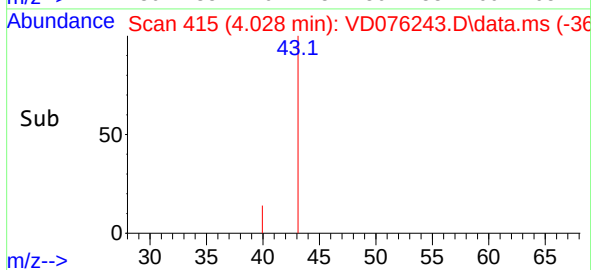
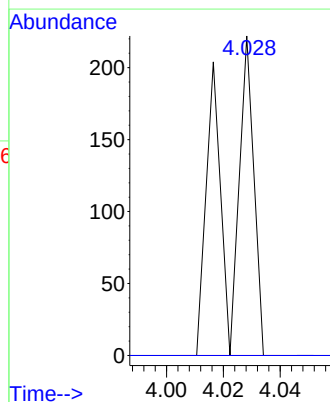
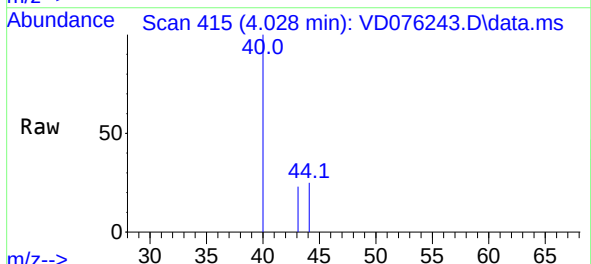
Instrument :
MSVOA_D
ClientSampleId :
SU-04-052423

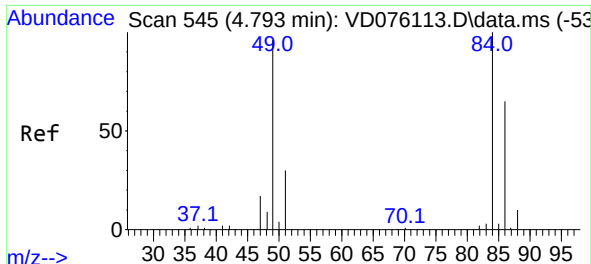
Tgt Ion: 94 Resp: 516
Ion Ratio Lower Upper
94 100
96 131.2 77.5 116.3#



#16
Acetone
Concen: 16.127 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD076243.D
Acq: 25 May 2023 20:08

Tgt Ion: 43 Resp: 150
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



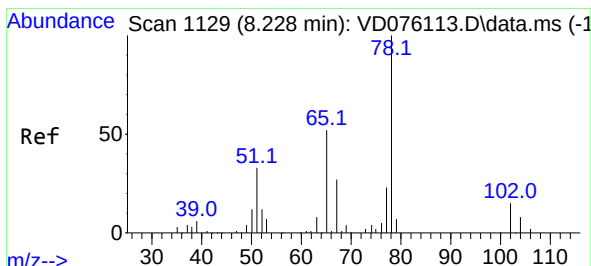
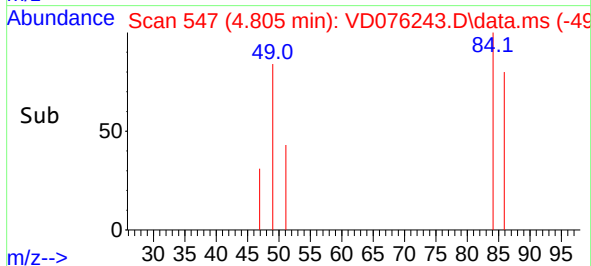
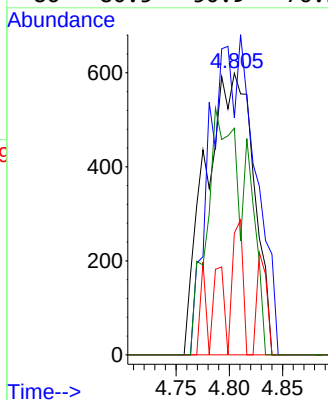
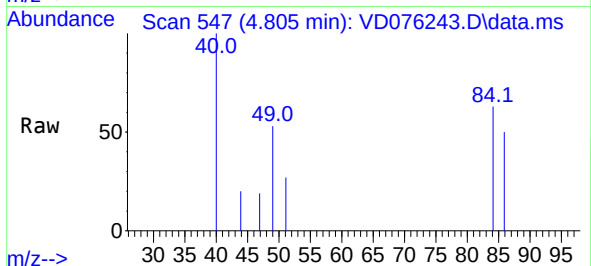


#20
Methylene Chloride
Concen: 19.988 ug/l
RT: 4.805 min Scan# 545
Delta R.T. 0.006 min
Lab File: VD076243.D
Acq: 25 May 2023 20:08

Instrument :
MSVOA_D
ClientSampleId :
SU-04-052423

Tgt Ion: 84 Resp: 1895

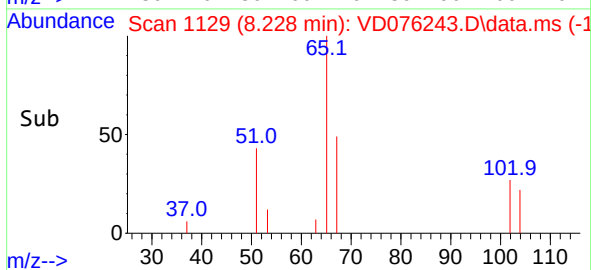
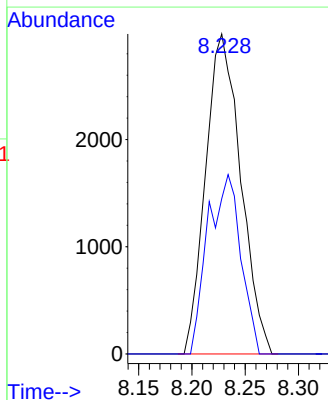
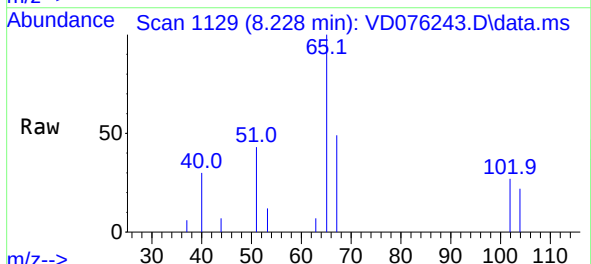
Ion	Ratio	Lower	Upper
84	100		
49	84.1	106.4	159.6#
51	43.2	32.4	48.6
86	80.5	50.9	76.3#

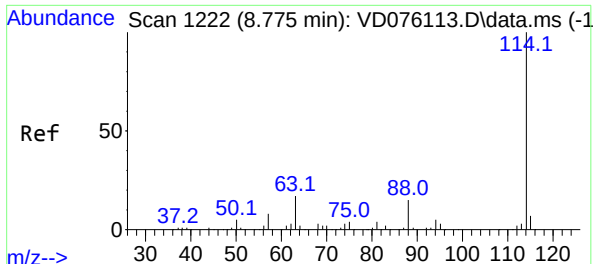


#33
1,2-Dichloroethane-d4
Concen: 146.358 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD076243.D
Acq: 25 May 2023 20:08

Tgt Ion: 65 Resp: 6842

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	102.2

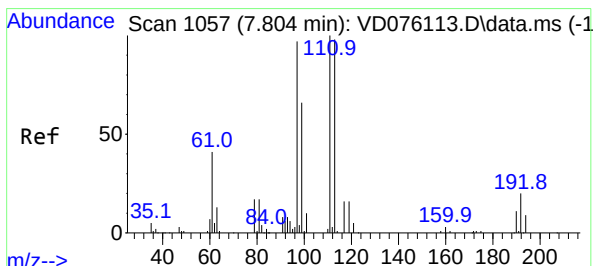
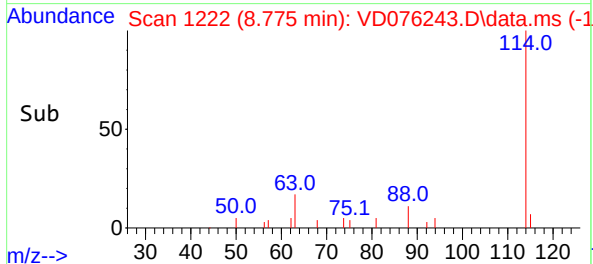
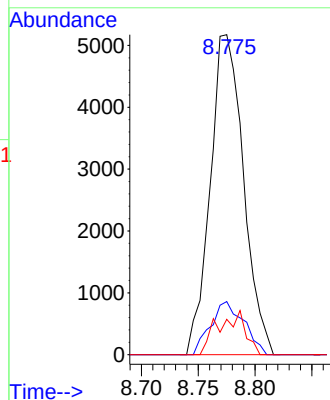
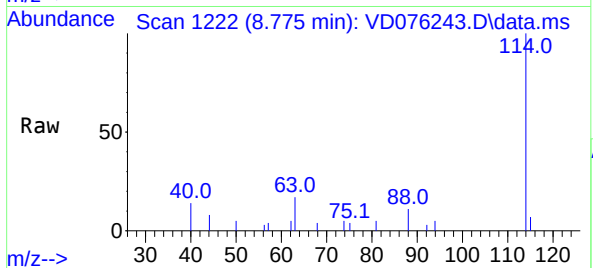




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD076243.D
Acq: 25 May 2023 20:08

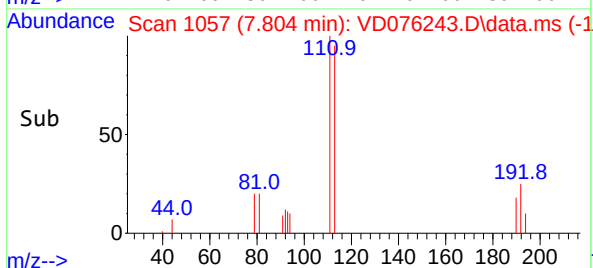
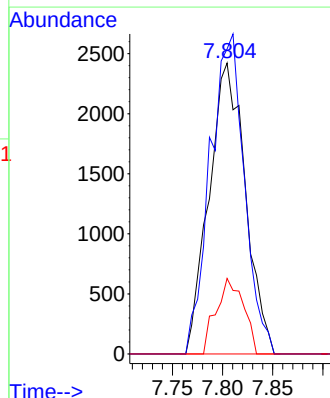
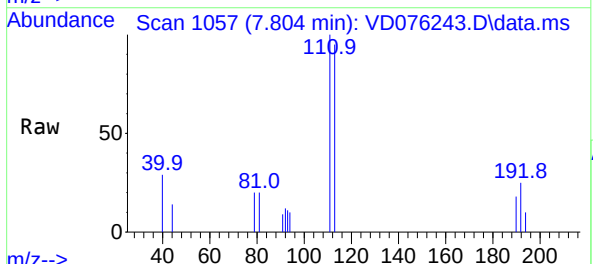
Instrument :
MSVOA_D
ClientSampleId :
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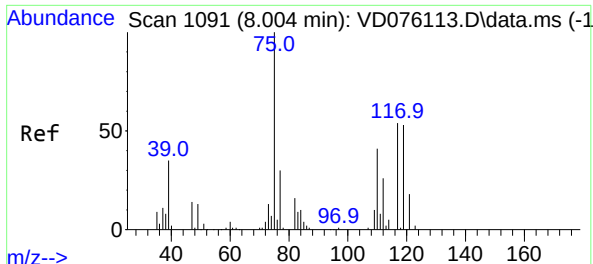
Tgt Ion:	114	Resp:	10548
Ion	Ratio	Lower	Upper
114	100		
63	16.6	0.0	41.6
88	11.1	0.0	30.6



#35
Dibromofluoromethane
Concen: 83.747 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.001 min
Lab File: VD076243.D
Acq: 25 May 2023 20:08

Tgt Ion:	113	Resp:	6106
Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.4	122.0
192	19.6	15.2	22.8

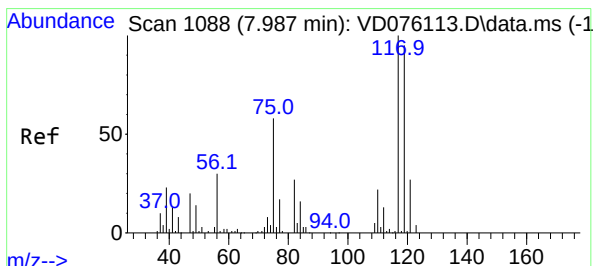
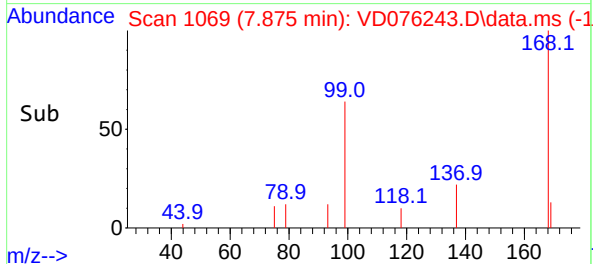
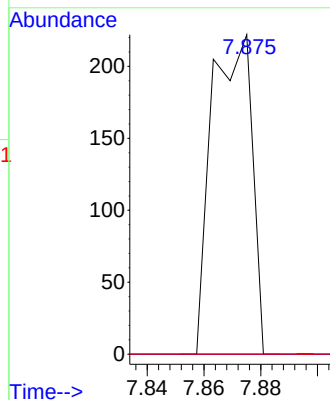
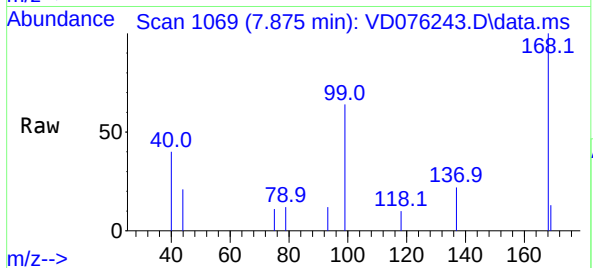




#36
1,1-Dichloropropene
Concen: 2.214 ug/l
RT: 7.875 min Scan# 1091
Delta R.T. -0.135 min
Lab File: VD076243.D
Acq: 25 May 2023 20:08

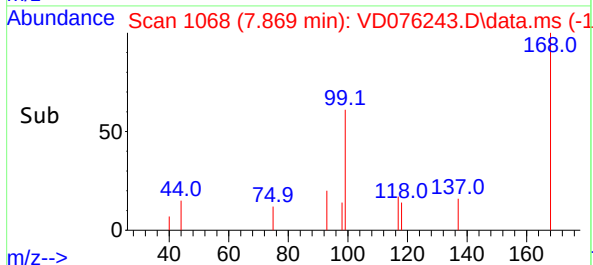
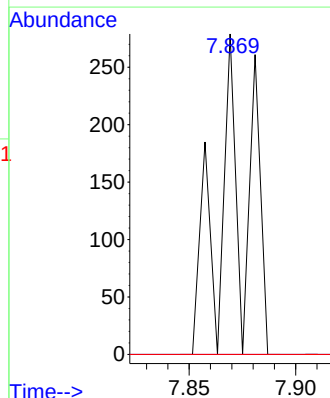
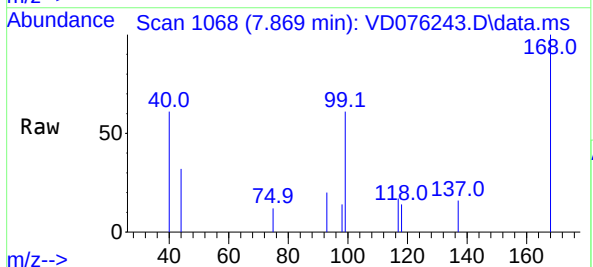
Instrument :
MSVOA_D
ClientSampleId :
SU-04-052423

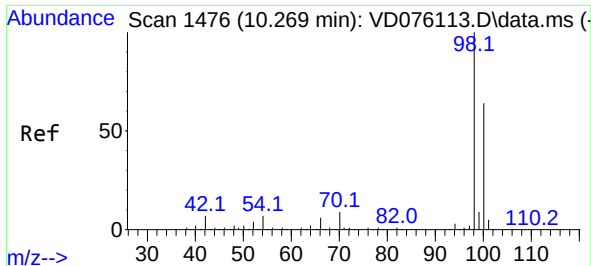
Tgt Ion: 75 Resp: 218
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 0.0 24.6 36.8#



#38
Carbon Tetrachloride
Concen: 2.878 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.124 min
Lab File: VD076243.D
Acq: 25 May 2023 20:08

Tgt Ion: 117 Resp: 256
Ion Ratio Lower Upper
117 100
119 0.0 74.7 112.1#
121 0.0 25.9 38.9#

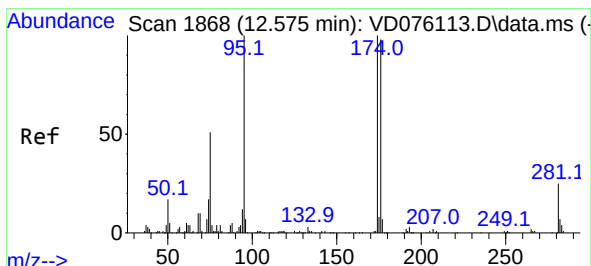
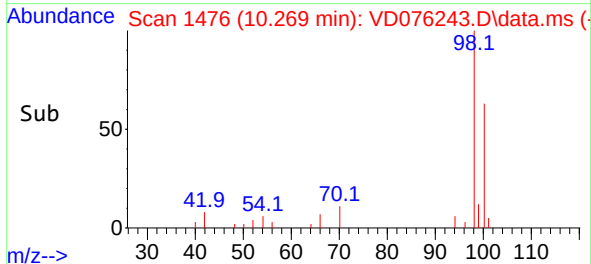
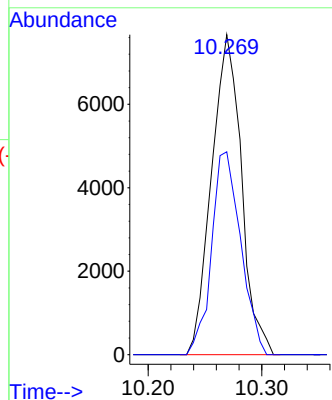
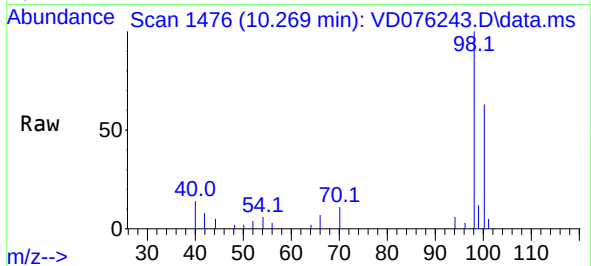




#50
Toluene-d8
Concen: 49.296 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076243.D
Acq: 25 May 2023 20:08

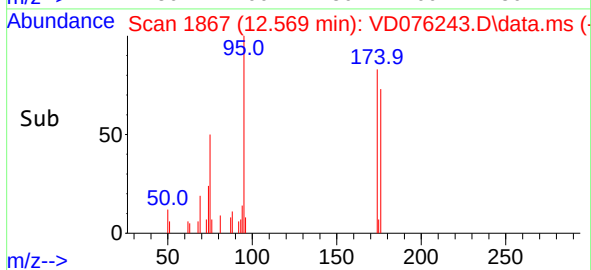
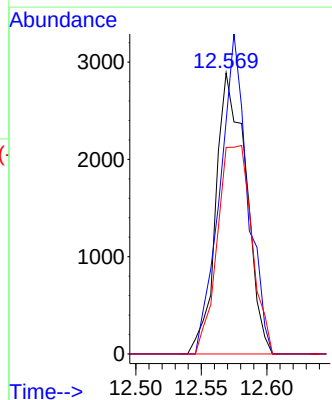
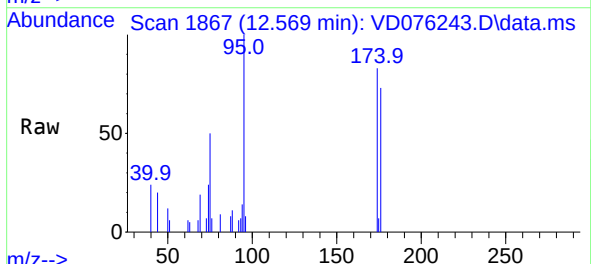
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ClientSampleId :
SU-04-052423

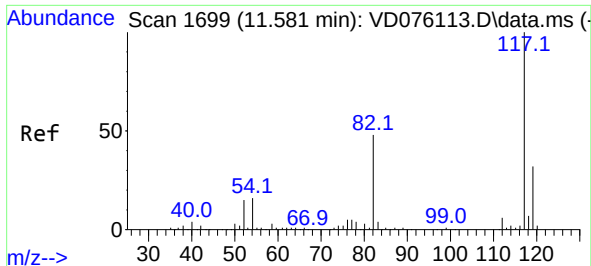
Tgt Ion: 98 Resp: 14011
Ion Ratio Lower Upper
98 100
100 61.9 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 58.364 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD076243.D
Acq: 25 May 2023 20:08

Tgt Ion: 95 Resp: 4608
Ion Ratio Lower Upper
95 100
174 105.0 0.0 164.0
176 84.3 0.0 156.8

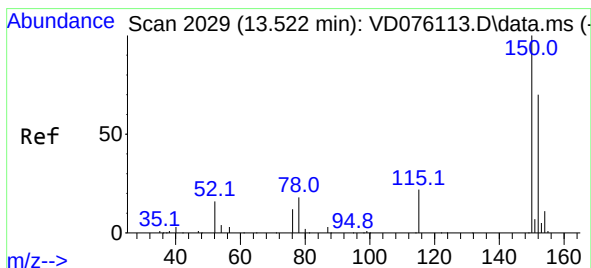
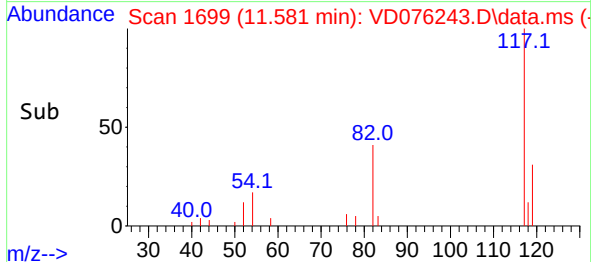
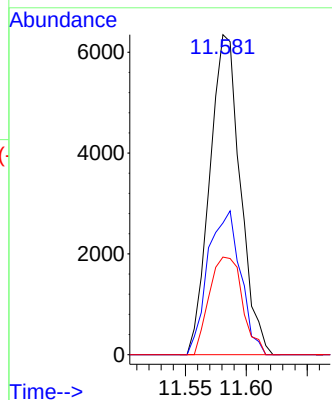
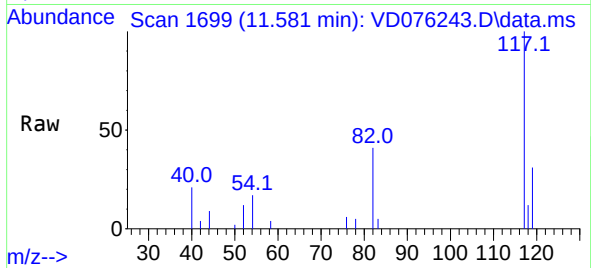




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD076243.D
Acq: 25 May 2023 20:08

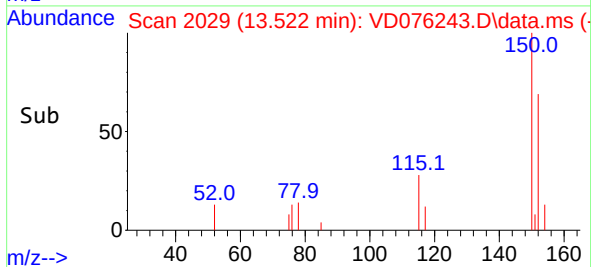
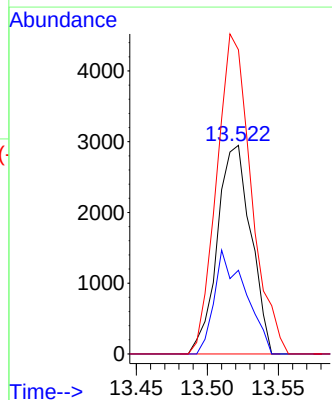
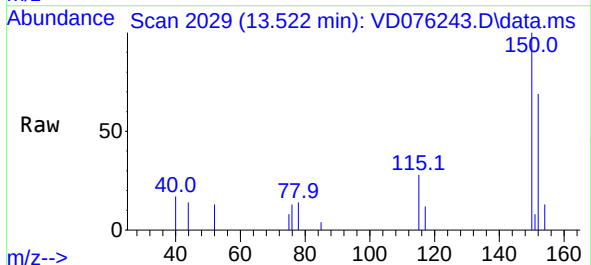
Instrument :
MSVOA_D
ClientSampleId :
SU-04-052423

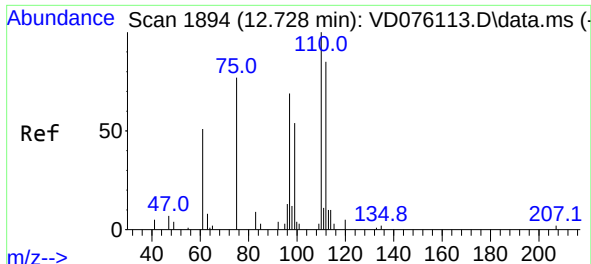
Tgt Ion:117 Resp: 11094
Ion Ratio Lower Upper
117 100
82 41.2 44.0 66.0#
119 30.5 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD076243.D
Acq: 25 May 2023 20:08

Tgt Ion:152 Resp: 4858
Ion Ratio Lower Upper
152 100
115 46.2 30.1 90.3
150 157.8 0.0 364.8

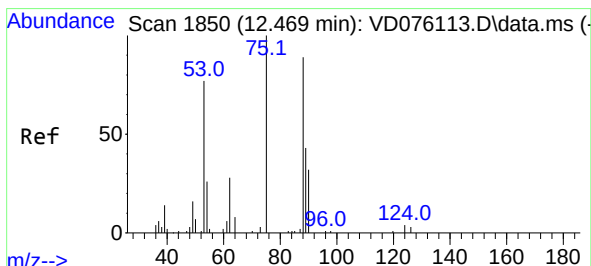
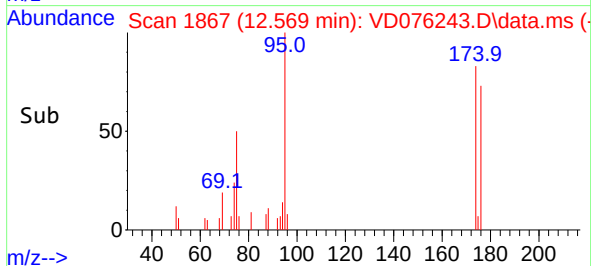
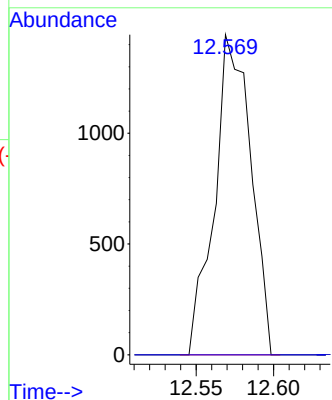
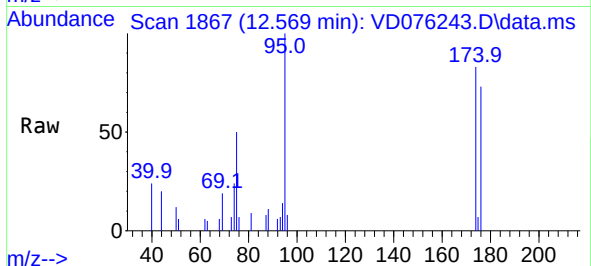




#76
1,2,3-Trichloropropane
Concen: 55.467 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.159 min
Lab File: VD076243.D
Acq: 25 May 2023 20:08

Instrument :
MSVOA_D
ClientSampleId :
SU-04-052423

Tgt Ion: 75 Resp: 2358
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 116.361 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.094 min
Lab File: VD076243.D
Acq: 25 May 2023 20:08

Tgt Ion: 75 Resp: 2358
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 40.2 60.4#

