

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041323\
 Data File : VD075669.D
 Acq On : 13 Apr 2023 19:35
 Operator : KP/SY
 Sample : 02308-01
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-01-041223

Quant Time: Apr 14 01:36:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 14:16:29 2023
 Response via : Initial Calibration

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

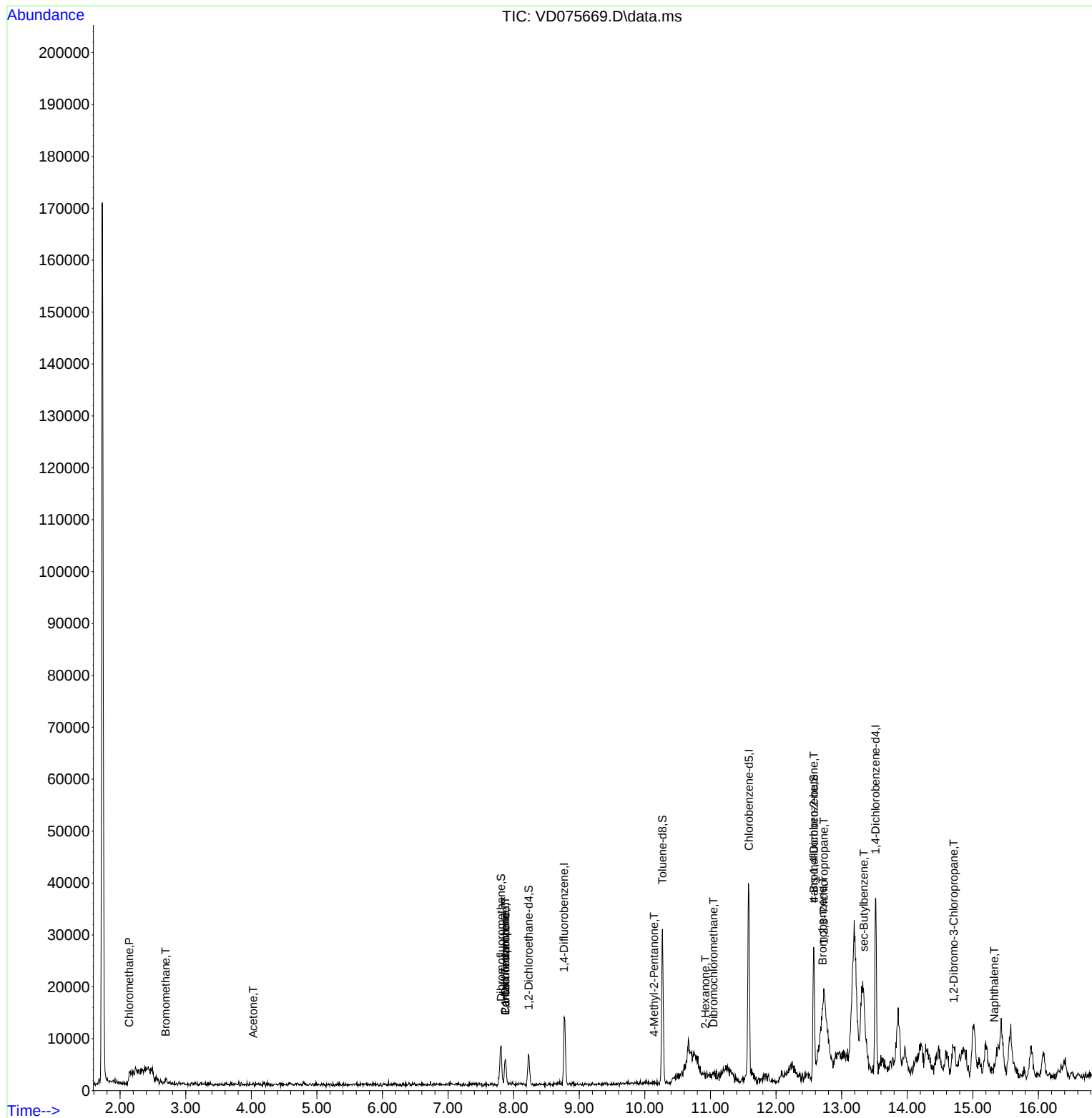
Internal Standards						
1) Pentafluorobenzene	7.875	168	5044	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.769	114	14282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	26377	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	10667	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	4743	99.066	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 198.140%#			
35) Dibromofluoromethane	7.810	113	5832	60.712	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 121.420%			
50) Toluene-d8	10.269	98	22117	57.494	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 114.980%			
62) 4-Bromofluorobenzene	12.575	95	7959	77.840	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 155.680%#			
Target Compounds						Qvalue
3) Chloromethane	2.140	50	512	6.050	ug/l	# 40
5) Bromomethane	2.693	94	656	7.482	ug/l	97
16) Acetone	4.028	43	68	7.753	ug/l	# 44
20) Methylene Chloride	4.793	84	235	Below Cal	#	48
36) 1,1-Dichloropropene	7.875	75	307	2.317	ug/l	# 42
38) Carbon Tetrachloride	7.875	117	251	2.151	ug/l	# 13
51) 4-Methyl-2-Pentanone	10.140	43	71	1.811	ug/l	# 38
59) 2-Hexanone	10.922	43	170	6.166	ug/l	# 27
60) Dibromochloromethane	11.045	129	144	1.451	ug/l	# 11
76) 1,2,3-Trichloropropane	12.728	75	348	4.001	ug/l	# 100
77) Bromobenzene	12.710	156	1669	9.247	ug/l	# 32
81) trans-1,4-Dichloro-2-b...	12.575	75	3965	98.792	ug/l	# 5
85) sec-Butylbenzene	13.339	105	1773	2.335	ug/l	# 57
92) 1,2-Dibromo-3-Chloropr...	14.710	75	61	3.346	ug/l	# 52
95) Naphthalene	15.328	128	1259	3.551	ug/l	# 77

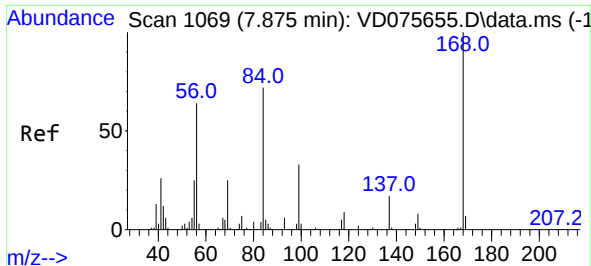
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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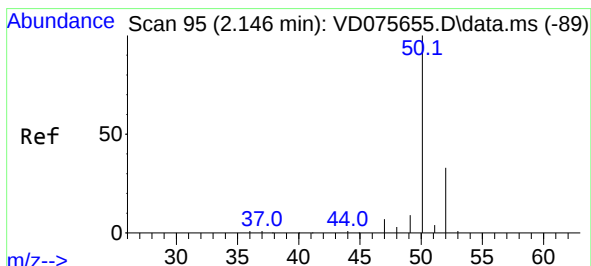
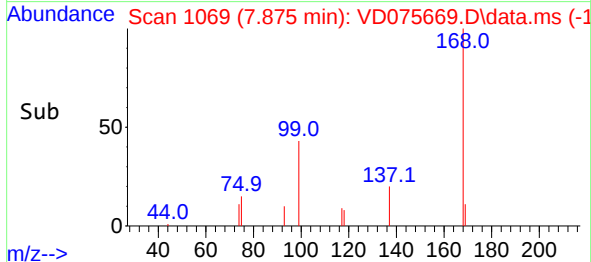
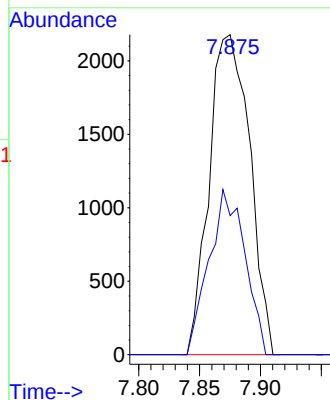
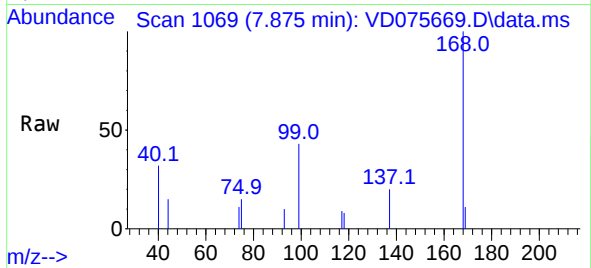




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD075669.D
Acq: 13 Apr 2023 19:35

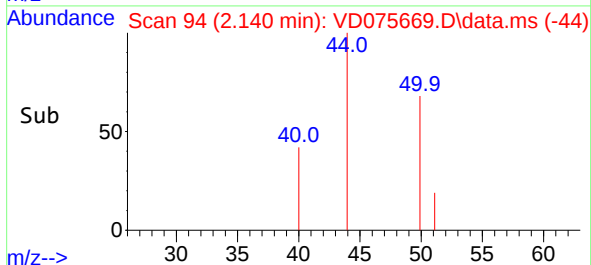
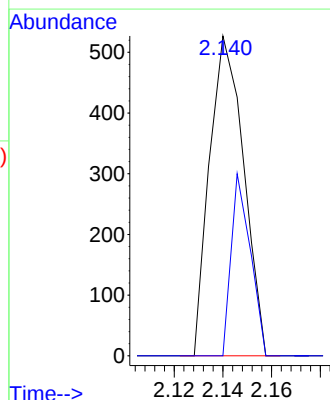
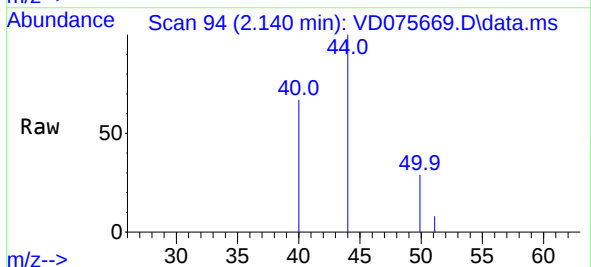
Instrument :
MSVOA_D
ClientSampleId :
EO-01-041223

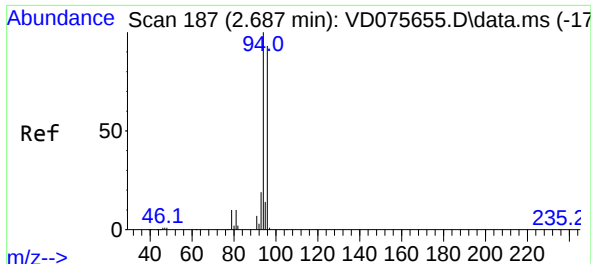
Tgt Ion:168 Resp: 5044
Ion Ratio Lower Upper
168 100
99 43.5 43.8 65.6#



#3
Chloromethane
Concen: 6.050 ug/l
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD075669.D
Acq: 13 Apr 2023 19:35

Tgt Ion: 50 Resp: 512
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

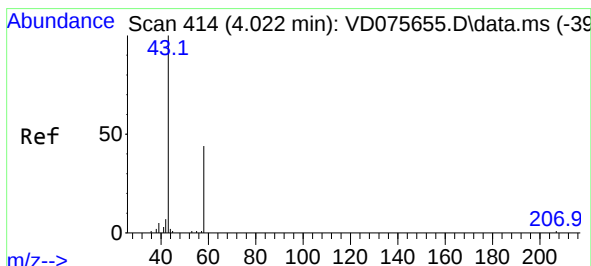
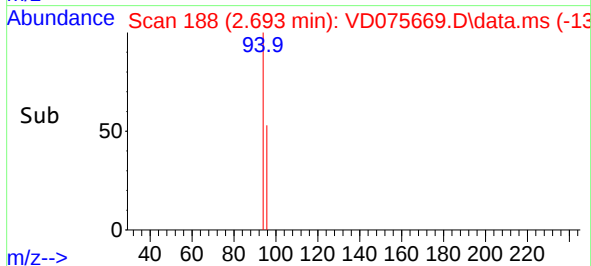
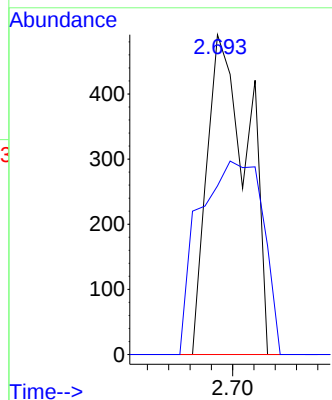
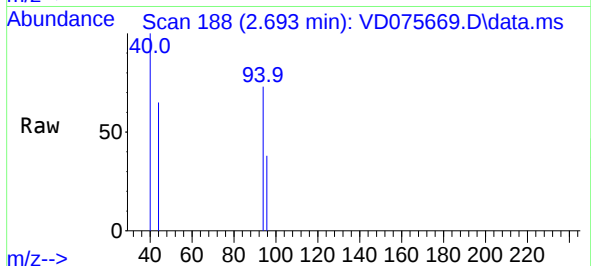




#5
Bromomethane
Concen: 7.482 ug/l
RT: 2.693 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD075669.D
Acq: 13 Apr 2023 19:35

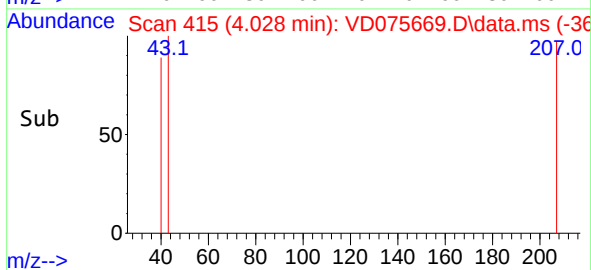
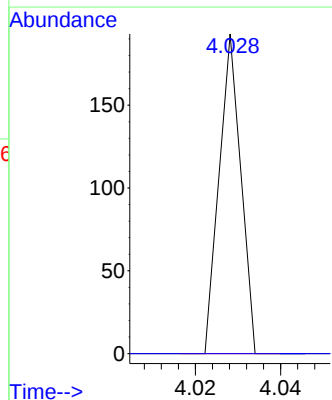
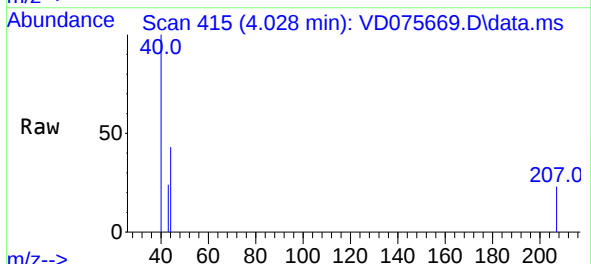
Instrument :
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EO-01-041223

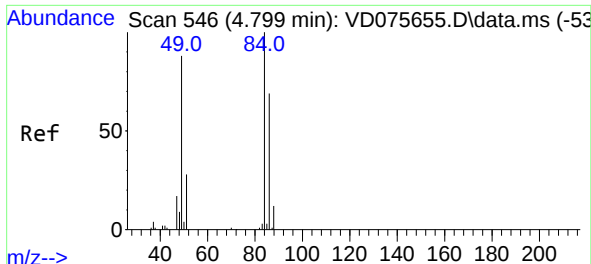
Tgt Ion: 94 Resp: 656
Ion Ratio Lower Upper
94 100
96 93.9 77.5 116.3



#16
Acetone
Concen: 7.753 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD075669.D
Acq: 13 Apr 2023 19:35

Tgt Ion: 43 Resp: 68
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#

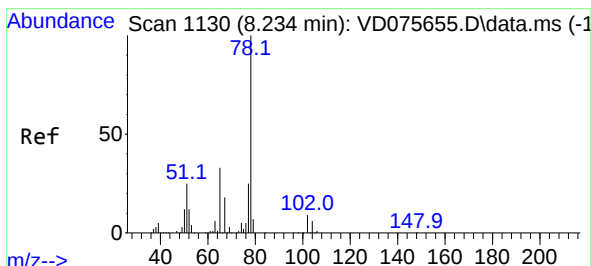
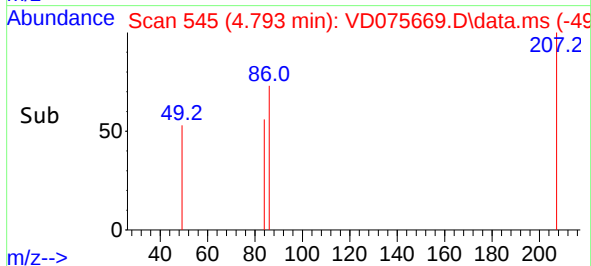
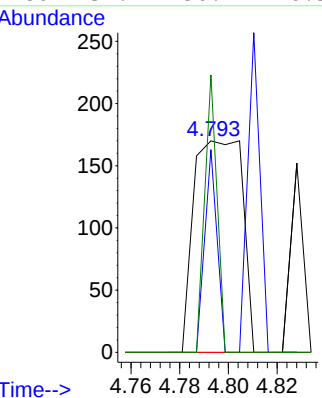
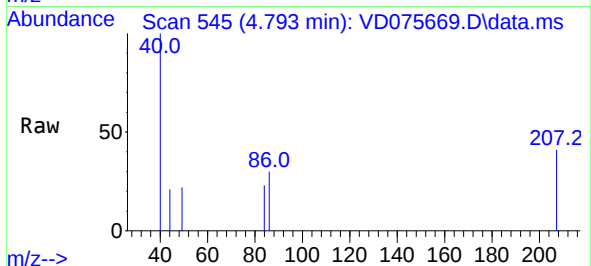




#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 54
Delta R.T. -0.006 min
Lab File: VD075669.D
Acq: 13 Apr 2023 19:35

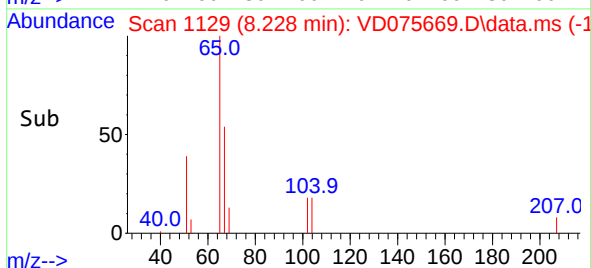
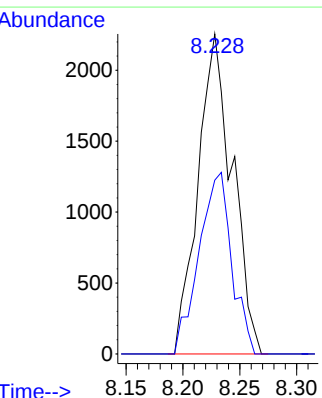
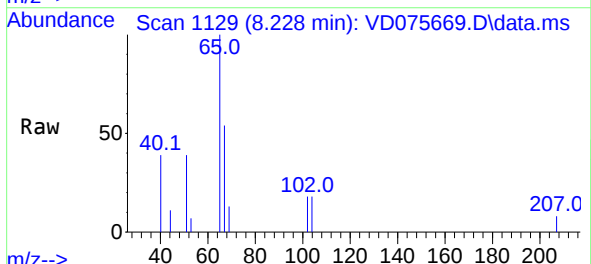
Instrument :
MSVOA_D
ClientSampleId :
EO-01-041223

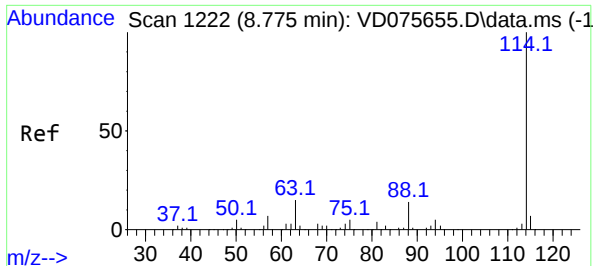
Tgt Ion:	84	Resp:	235
Ion	Ratio	Lower	Upper
84	100		
49	95.9	106.4	159.6#
51	0.0	32.4	48.6#
86	131.2	50.9	76.3#



#33
1,2-Dichloroethane-d4
Concen: 99.066 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD075669.D
Acq: 13 Apr 2023 19:35

Tgt Ion:	65	Resp:	4743
Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	102.2

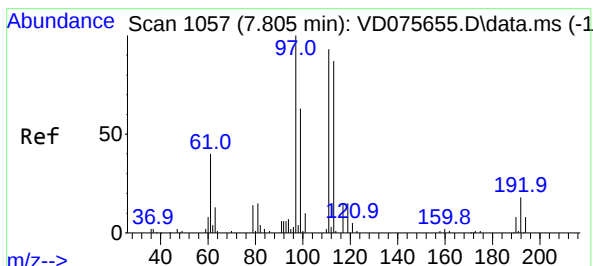
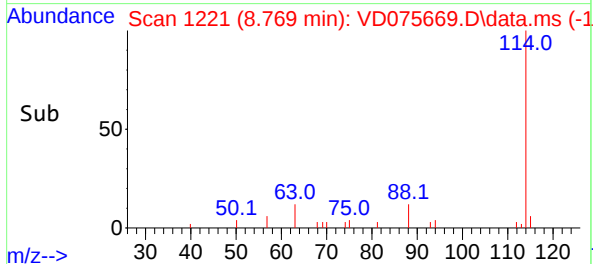
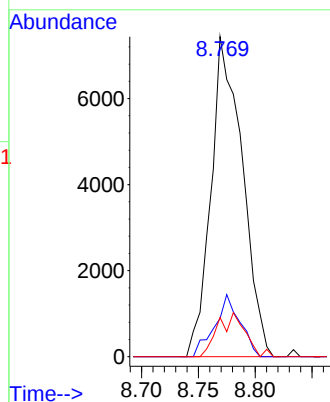
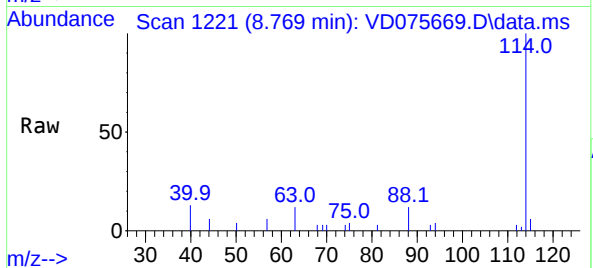




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.769 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD075669.D
Acq: 13 Apr 2023 19:35

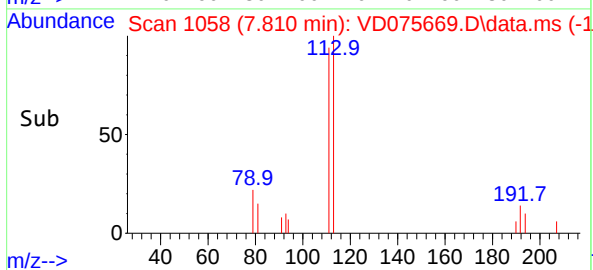
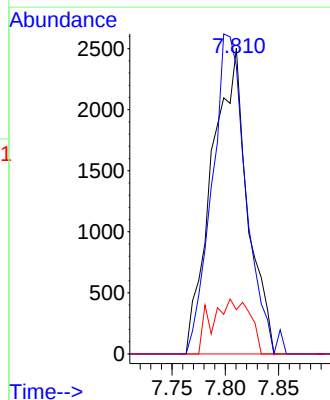
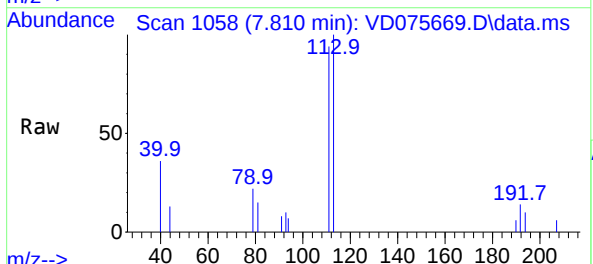
Instrument :
MSVOA_D
ClientSampleId :
EO-01-041223

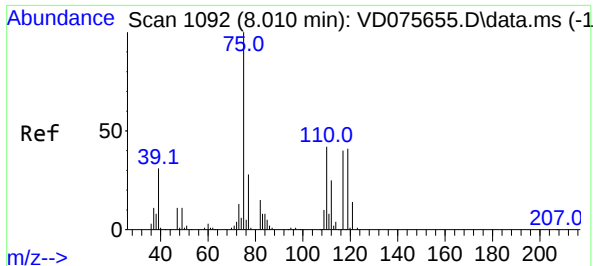
Tgt Ion:	114	Resp:	14282
Ion	Ratio	Lower	Upper
114	100		
63	11.9	0.0	41.6
88	12.3	0.0	30.6



#35
Dibromofluoromethane
Concen: 60.712 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.005 min
Lab File: VD075669.D
Acq: 13 Apr 2023 19:35

Tgt Ion:	113	Resp:	5832
Ion	Ratio	Lower	Upper
113	100		
111	99.6	81.4	122.0
192	18.7	15.2	22.8





#36

1,1-Dichloropropene

Concen: 2.317 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD075669.D

Acq: 13 Apr 2023 19:35

Instrument :

MSVOA_D

ClientSampleId :

EO-01-041223

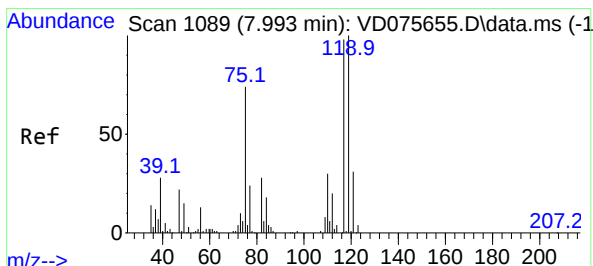
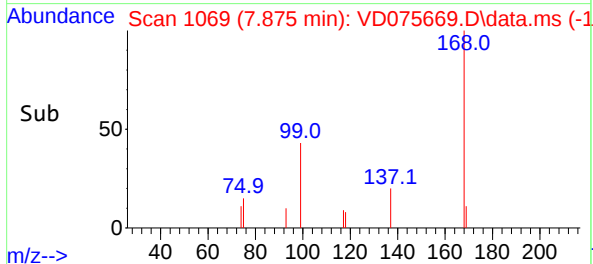
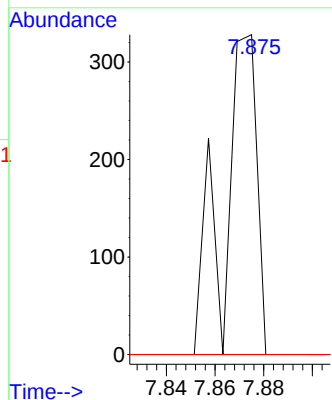
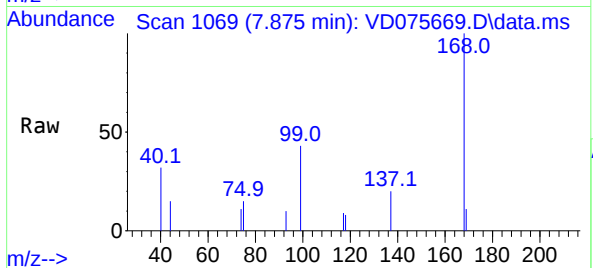
Tgt Ion: 75 Resp: 307

Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.2#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 2.151 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD075669.D

Acq: 13 Apr 2023 19:35

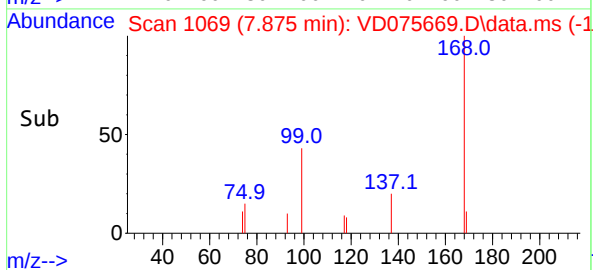
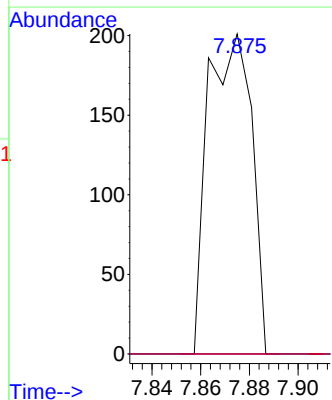
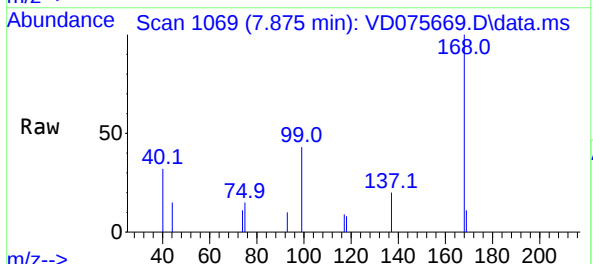
Tgt Ion: 117 Resp: 251

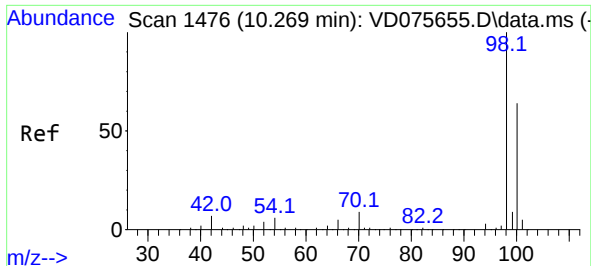
Ion Ratio Lower Upper

117 100

119 0.0 74.7 112.1#

121 0.0 25.9 38.9#

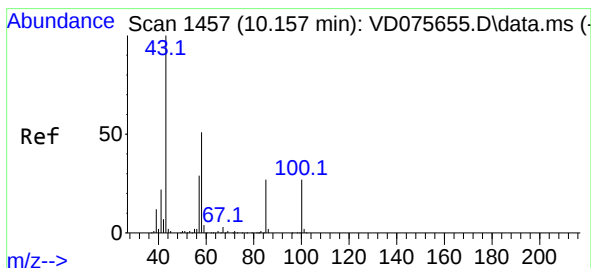
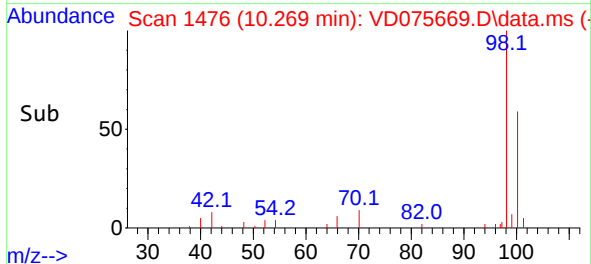
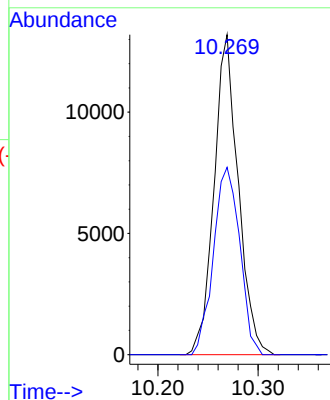
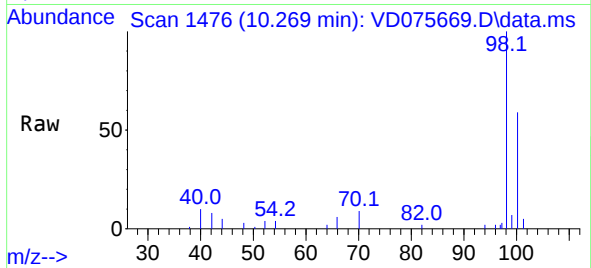




#50
Toluene-d8
Concen: 57.494 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD075669.D
Acq: 13 Apr 2023 19:35

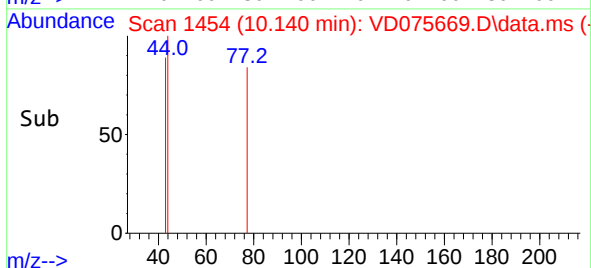
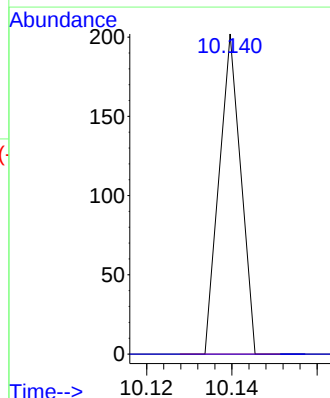
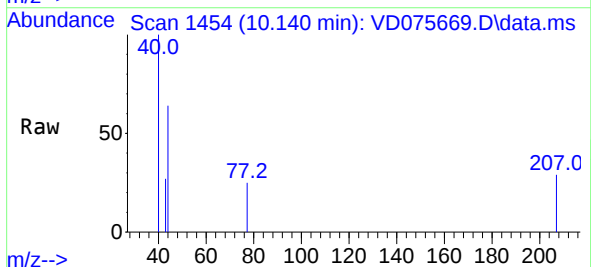
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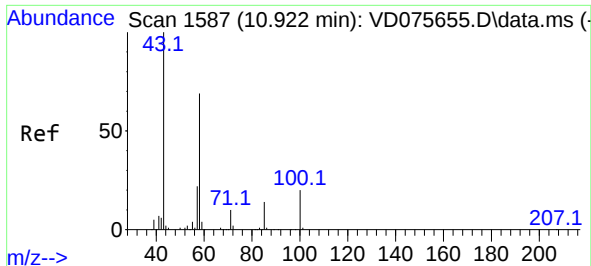
Tgt Ion: 98 Resp: 22117
Ion Ratio Lower Upper
98 100
100 63.6 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.811 ug/l
RT: 10.140 min Scan# 1454
Delta R.T. -0.017 min
Lab File: VD075669.D
Acq: 13 Apr 2023 19:35

Tgt Ion: 43 Resp: 71
Ion Ratio Lower Upper
43 100
58 0.0 29.5 44.3#

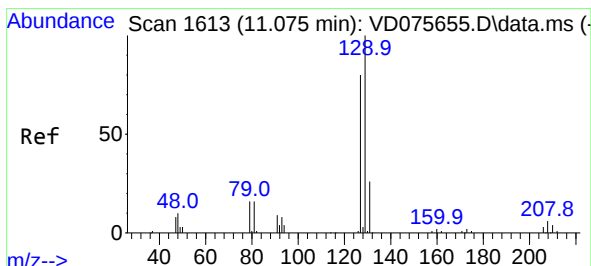
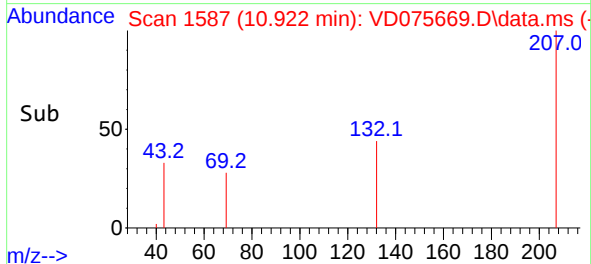
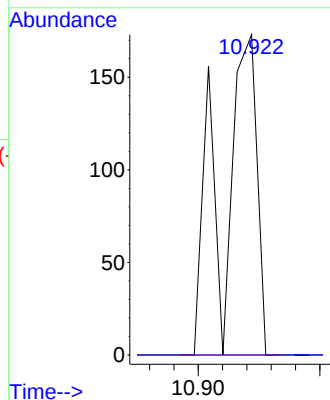
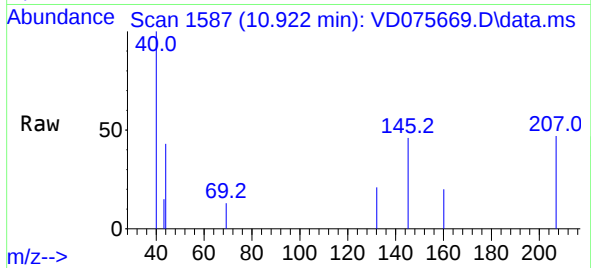




#59
2-Hexanone
Concen: 6.166 ug/l
RT: 10.922 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075669.D
Acq: 13 Apr 2023 19:35

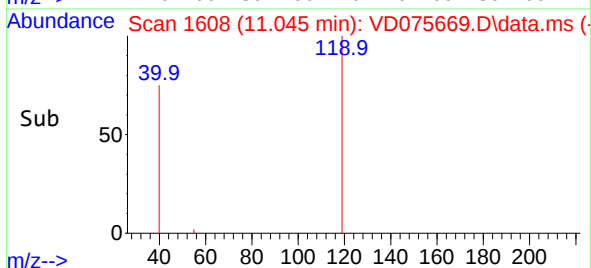
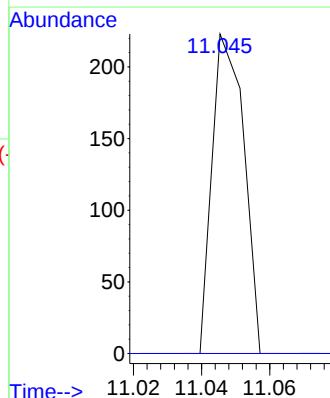
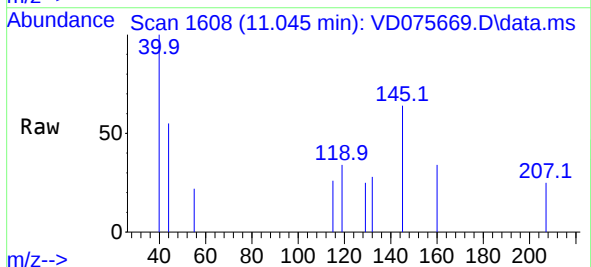
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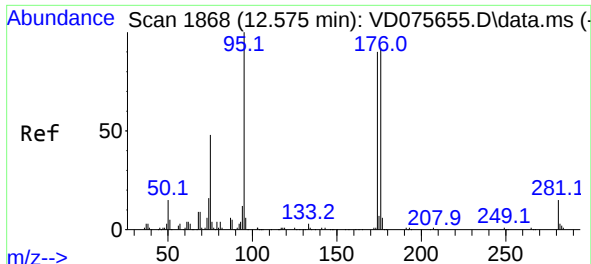
Tgt Ion: 43 Resp: 170
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.8#



#60
Dibromochloromethane
Concen: 1.451 ug/l
RT: 11.045 min Scan# 1608
Delta R.T. -0.030 min
Lab File: VD075669.D
Acq: 13 Apr 2023 19:35

Tgt Ion: 129 Resp: 144
Ion Ratio Lower Upper
129 100
127 0.0 38.1 114.5#

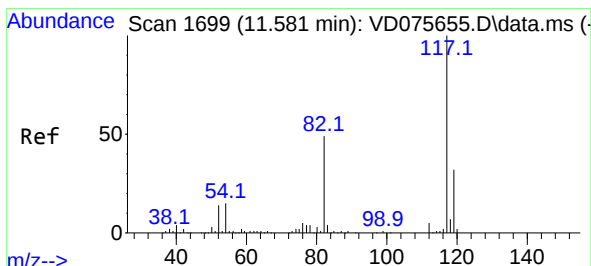
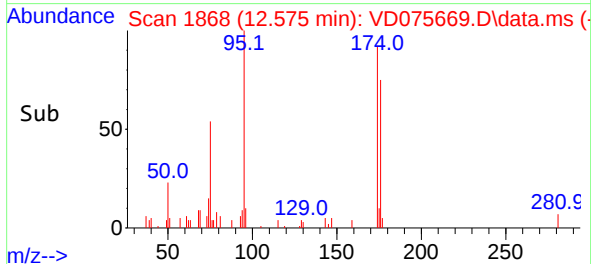
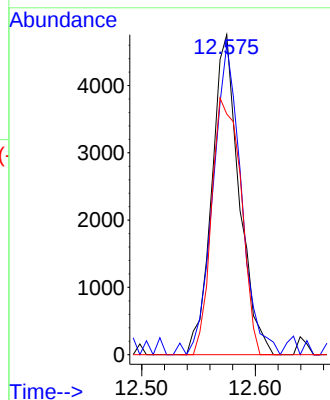
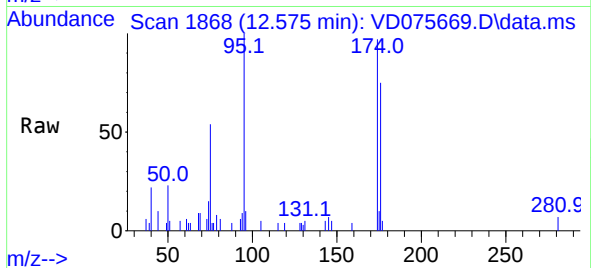




#62
4-Bromofluorobenzene
Concen: 77.840 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075669.D
Acq: 13 Apr 2023 19:35

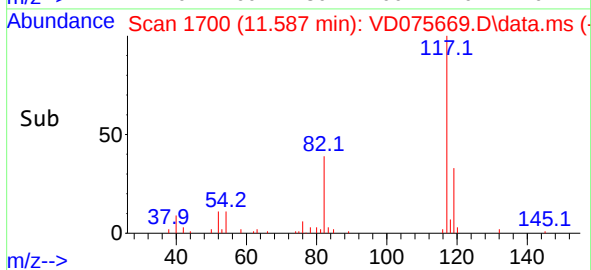
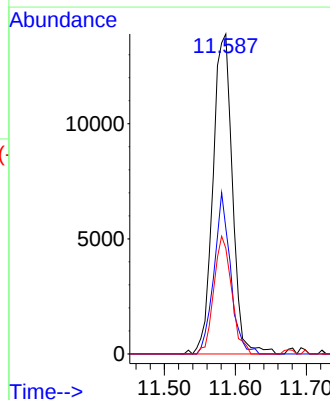
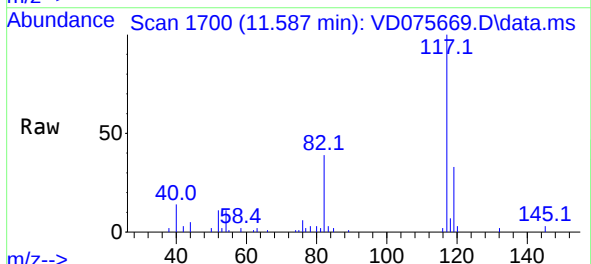
Instrument :
MSVOA_D
ClientSampleId :
EO-01-041223

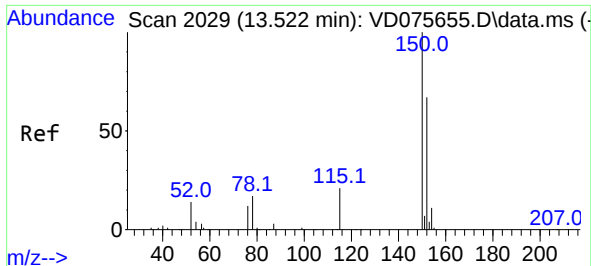
Tgt Ion:	95	Resp:	7959
Ion	Ratio	Lower	Upper
95	100		
174	99.9	0.0	164.0
176	85.7	0.0	156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VD075669.D
Acq: 13 Apr 2023 19:35

Tgt Ion:	117	Resp:	26377
Ion	Ratio	Lower	Upper
117	100		
82	39.3	44.0	66.0
119	33.0	25.1	37.7

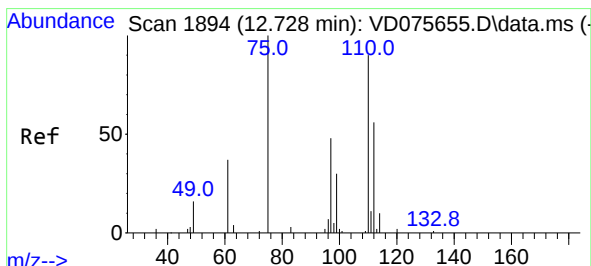
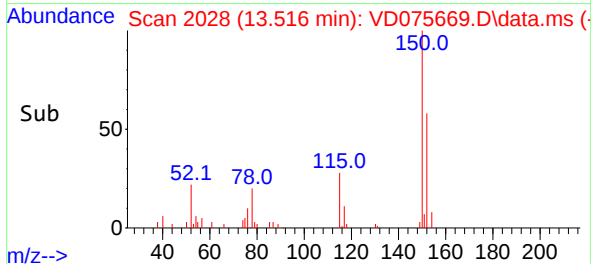
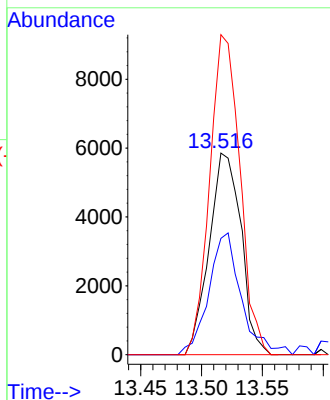
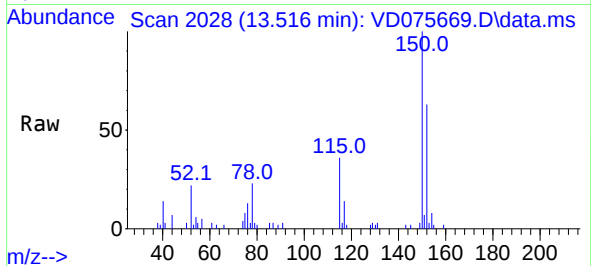




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20
Delta R.T. -0.006 min
Lab File: VD075669.D
Acq: 13 Apr 2023 19:35

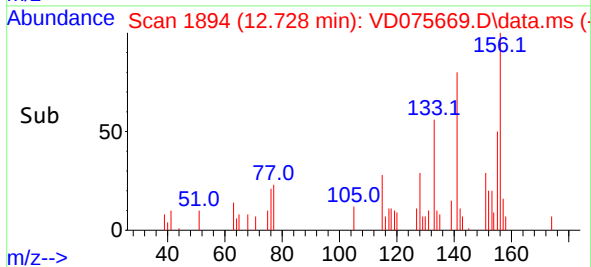
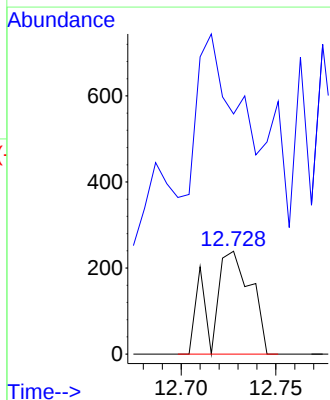
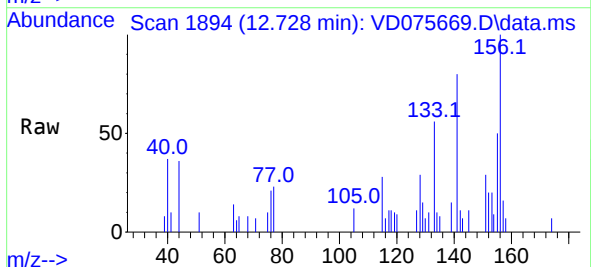
Instrument :
MSVOA_D
ClientSampleId :
EO-01-041223

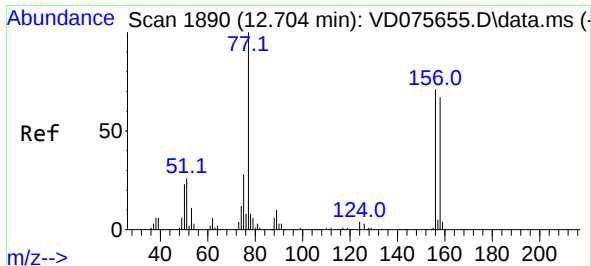
Tgt Ion:152 Resp: 10667
Ion Ratio Lower Upper
152 100
115 61.6 30.1 90.3
150 150.7 0.0 364.8



#76
1,2,3-Trichloropropane
Concen: 4.001 ug/l
RT: 12.728 min Scan# 1894
Delta R.T. -0.000 min
Lab File: VD075669.D
Acq: 13 Apr 2023 19:35

Tgt Ion: 75 Resp: 348
Ion Ratio Lower Upper
75 100
77 458.3 0.0 0.0#

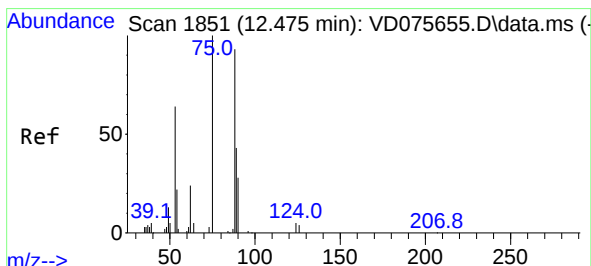
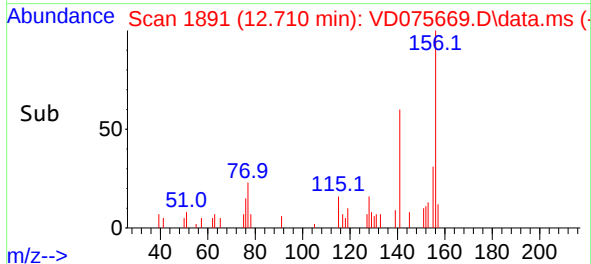
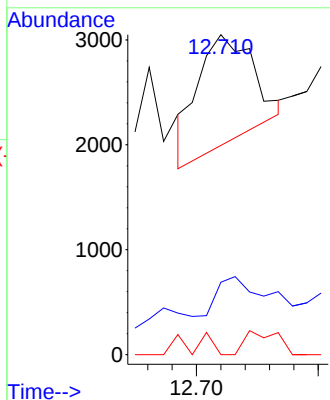
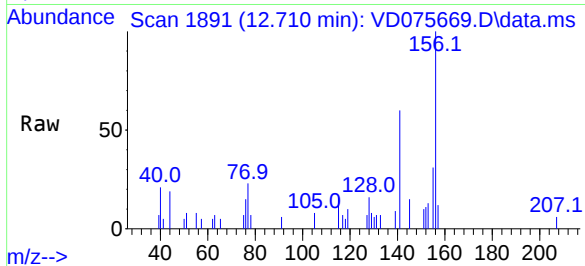




#77
Bromobenzene
Concen: 9.247 ug/l
RT: 12.710 min Scan# 1890
Delta R.T. 0.006 min
Lab File: VD075669.D
Acq: 13 Apr 2023 19:35

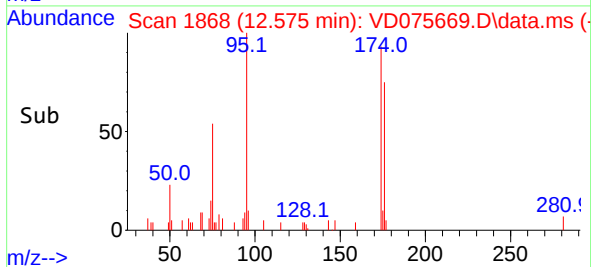
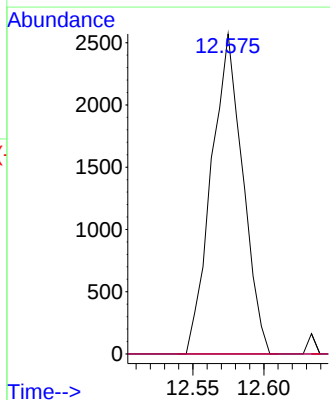
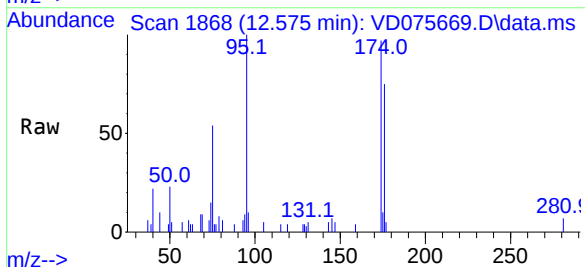
Instrument :
MSVOA_D
ClientSampleId :
EO-01-041223

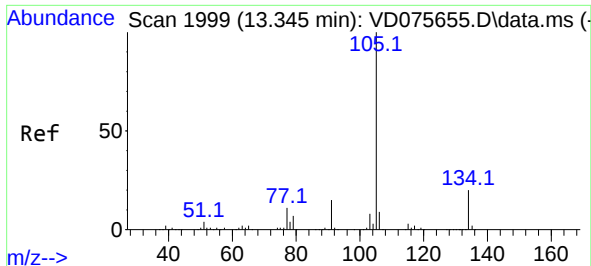
Tgt Ion:156 Resp: 1669
Ion Ratio Lower Upper
156 100
77 95.6 89.5 268.6
158 12.6 47.8 143.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.792 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD075669.D
Acq: 13 Apr 2023 19:35

Tgt Ion: 75 Resp: 3965
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 40.2 60.4#

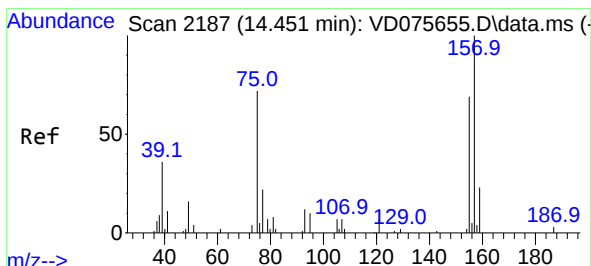
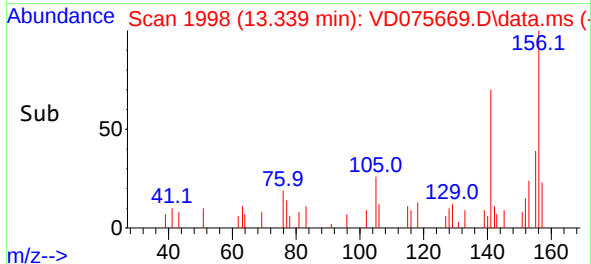
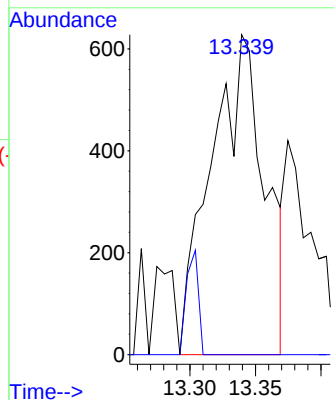
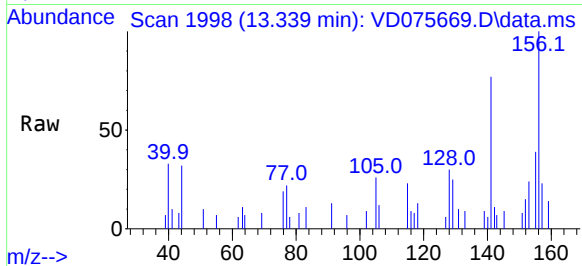




#85
 sec-Butylbenzene
 Concen: 2.335 ug/l
 RT: 13.339 min Scan# 1998
 Delta R.T. -0.006 min
 Lab File: VD075669.D
 Acq: 13 Apr 2023 19:35

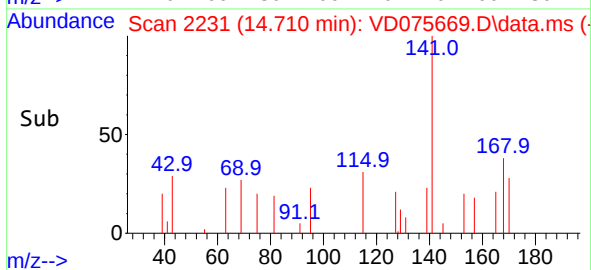
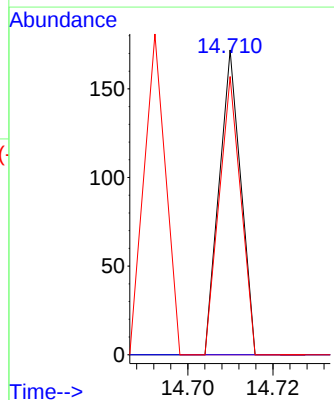
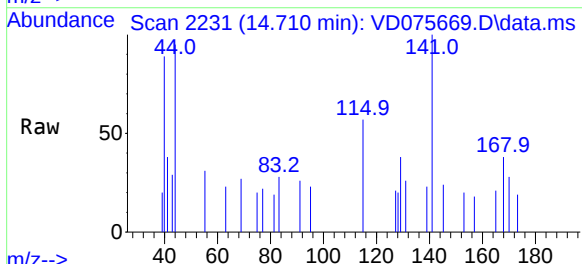
Instrument :
 MSVOA_D
 ClientSampleId :
 EO-01-041223

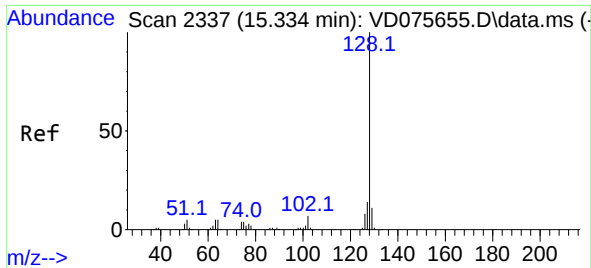
Tgt Ion:105 Resp: 1773
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.9 29.7#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.346 ug/l
 RT: 14.710 min Scan# 2231
 Delta R.T. 0.259 min
 Lab File: VD075669.D
 Acq: 13 Apr 2023 19:35

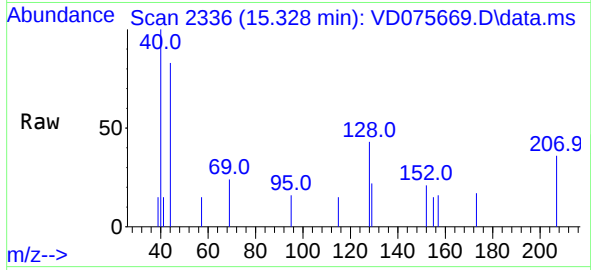
Tgt Ion: 75 Resp: 61
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.5 118.5#
 157 90.2 53.5 160.7





#95
Naphthalene
Concen: 3.551 ug/l
RT: 15.328 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD075669.D
Acq: 13 Apr 2023 19:35

Instrument :
MSVOA_D
ClientSampleId :
EO-01-041223



Tgt Ion:	128	Resp:	1259
Ion	Ratio	Lower	Upper
128	100		
127	5.6	10.4	15.6#
129	0.0	8.8	13.2#

