

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122823\
 Data File : VD078095.D
 Acq On : 28 Dec 2023 16:25
 Operator : RP/MD
 Sample : 06034-01
 Misc : 5.03G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-03-122723

Quant Time: Dec 28 22:27:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122623S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 27 03:40:16 2023
 Response via : Initial Calibration

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

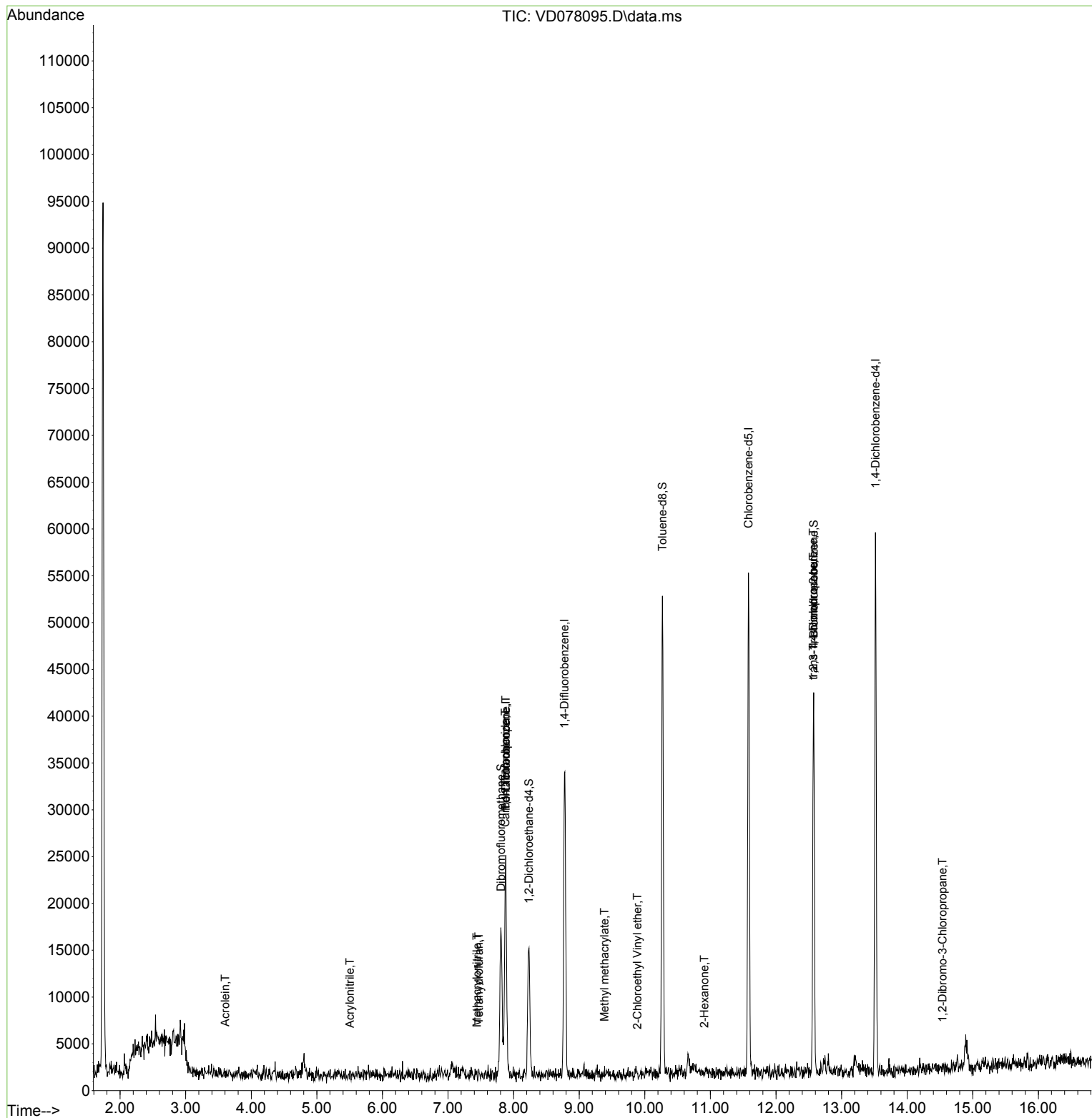
Internal Standards						
1) Pentafluorobenzene	7.881	168	18253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	29546	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	31520	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	15885	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	11761	72.415	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 144.840%			
35) Dibromofluoromethane	7.811	113	10917	57.425	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.860%			
50) Toluene-d8	10.269	98	36027	53.857	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.720%			
62) 4-Bromofluorobenzene	12.575	95	12289	57.096	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 114.200%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.993	59	80	Below Cal	#	73
13) Acrolein	3.605	56	56	6.547	ug/l #	51
15) Acrylonitrile	5.505	53	58	1.615	ug/l #	41
16) Acetone	4.005	43	78	Below Cal	#	32
25) 2-Butanone	7.111	43	60	Below Cal	#	37
29) Tetrahydrofuran	7.469	42	85	3.381	ug/l #	56
36) 1,1-Dichloropropene	7.881	75	1352	5.054	ug/l #	43
38) Carbon Tetrachloride	7.875	117	1900	6.555	ug/l #	11
41) Methacrylonitrile	7.440	41	58	1.031	ug/l #	1
48) Methyl methacrylate	9.387	41	102	1.016	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.887	63	61	1.153	ug/l #	43
59) 2-Hexanone	10.910	43	188	2.648	ug/l #	16
76) 1,2,3-Trichloropropane	12.569	75	5973	44.569	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	5973	96.037	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.540	75	59	2.119	ug/l #	1

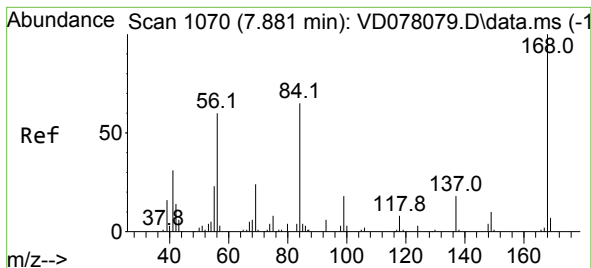
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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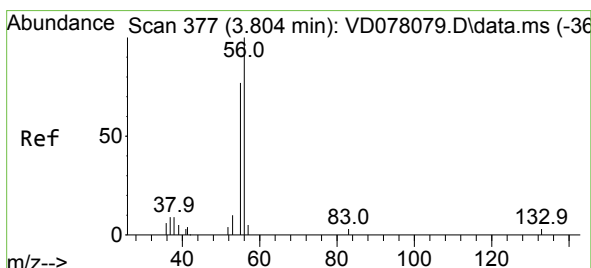
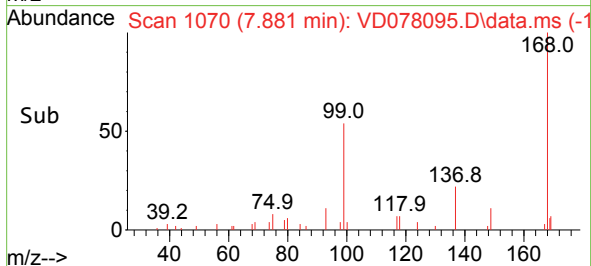
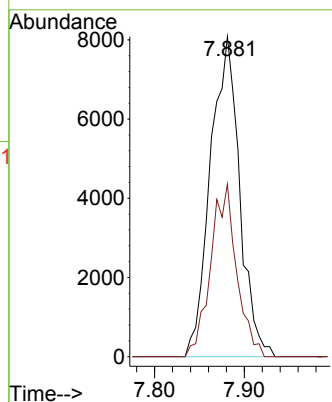
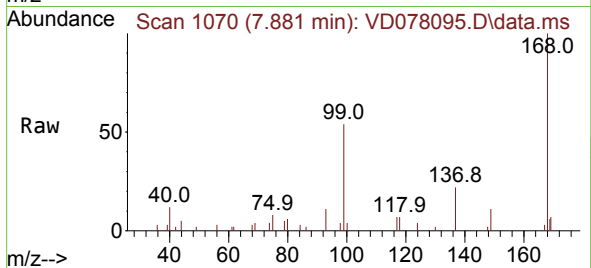




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD078095.D
Acq: 28 Dec 2023 16:25

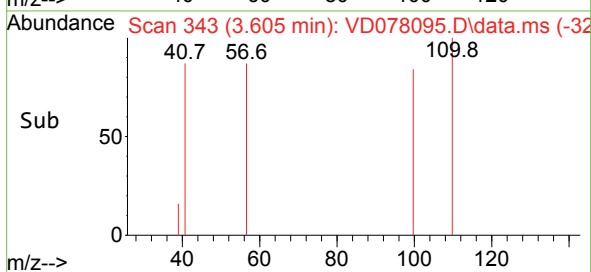
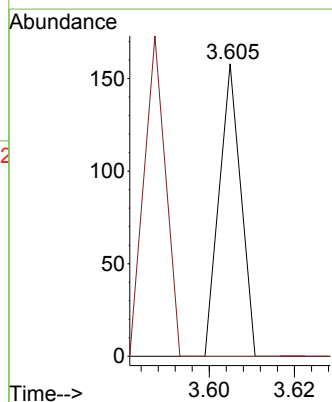
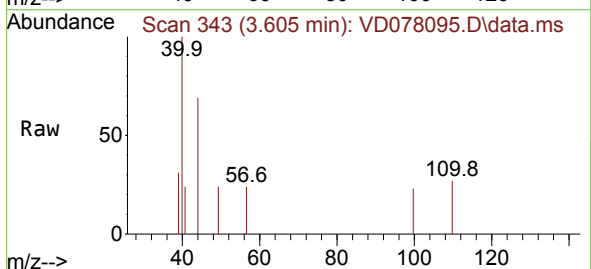
Instrument :
MSVOA_D
ClientSampleId :
EO-03-122723

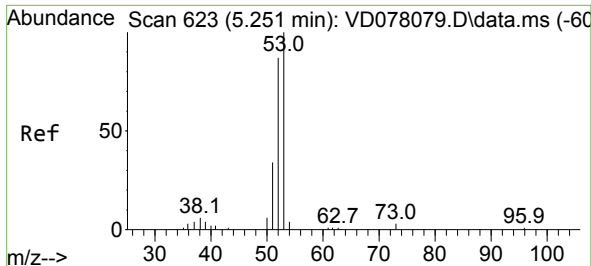
Tgt Ion:168 Resp: 18253
Ion Ratio Lower Upper
168 100
99 53.9 36.7 55.1



#13
Acrolein
Concen: 6.547 ug/l
RT: 3.605 min Scan# 343
Delta R.T. -0.199 min
Lab File: VD078095.D
Acq: 28 Dec 2023 16:25

Tgt Ion: 56 Resp: 56
Ion Ratio Lower Upper
56 100
55 108.9 55.1 82.7#

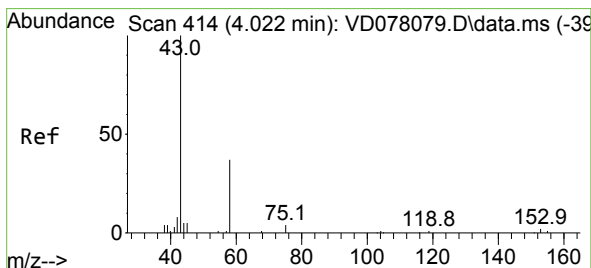
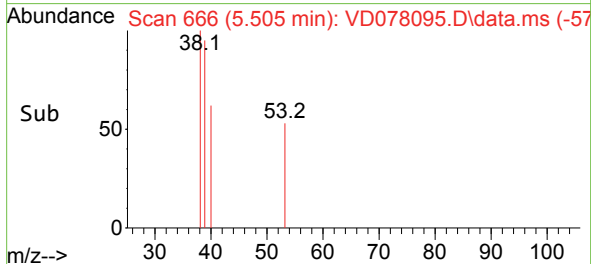
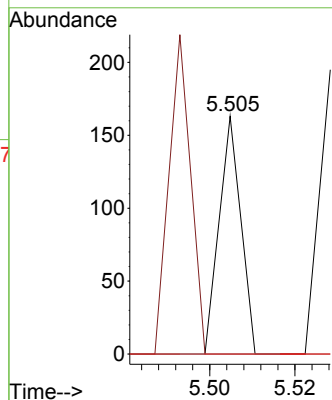
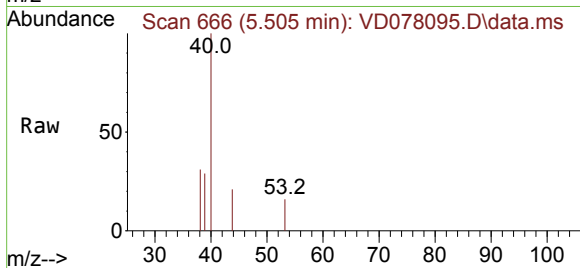




#15
Acrylonitrile
Concen: 1.615 ug/l
RT: 5.505 min Scan# 60
Delta R.T. 0.253 min
Lab File: VD078095.D
Acq: 28 Dec 2023 16:25

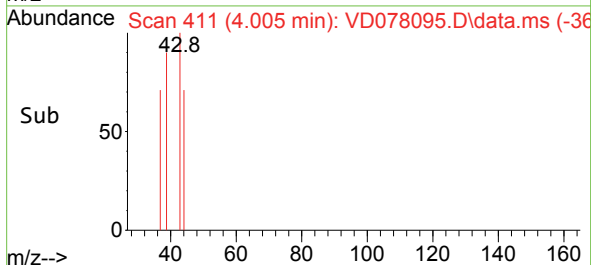
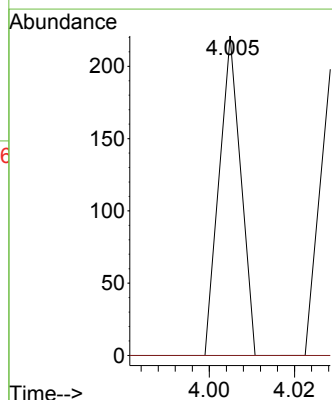
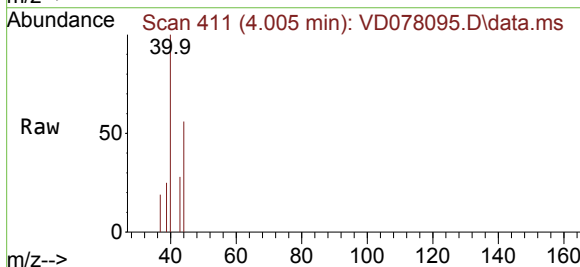
Instrument :
MSVOA_D
ClientSampleId :
EO-03-122723

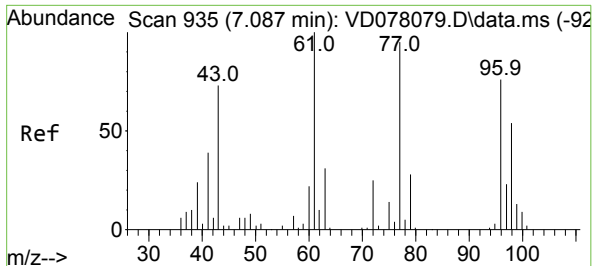
Tgt Ion: 53 Resp: 58
Ion Ratio Lower Upper
53 100
52 132.8 65.0 97.4#
51 0.0 28.3 42.5#



#16
Acetone
Concen: Below Cal
RT: 4.005 min Scan# 411
Delta R.T. -0.017 min
Lab File: VD078095.D
Acq: 28 Dec 2023 16:25

Tgt Ion: 43 Resp: 78
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#

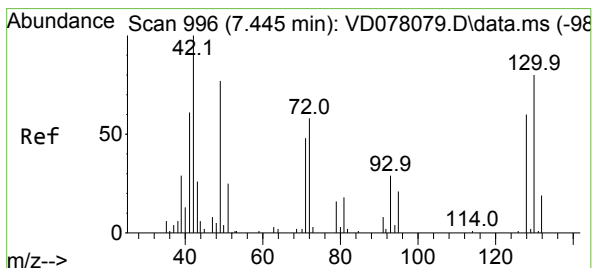
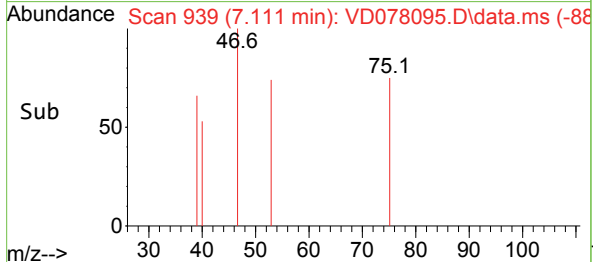
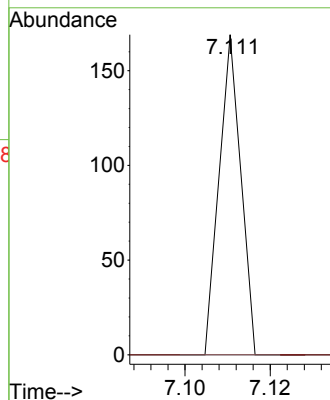
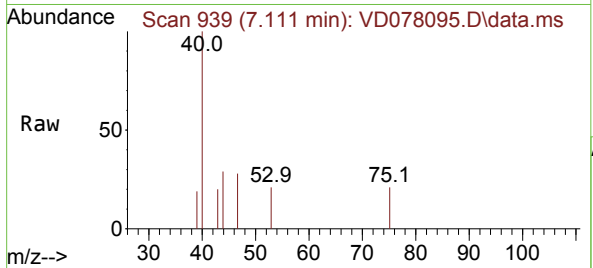




#25
2-Butanone
Concen: Below Cal
RT: 7.111 min Scan# 91
Delta R.T. 0.024 min
Lab File: VD078095.D
Acq: 28 Dec 2023 16:25

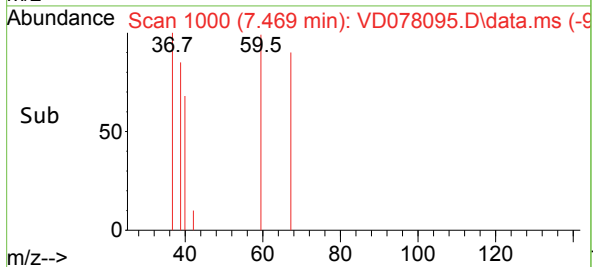
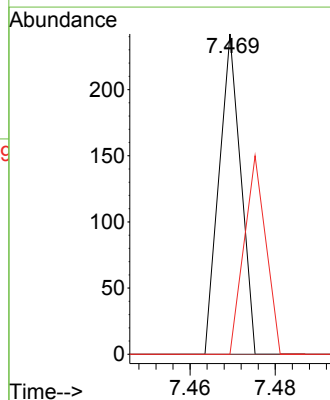
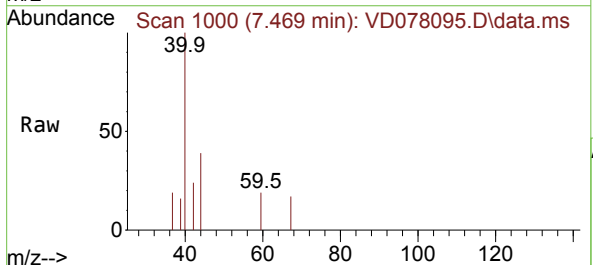
Instrument :
MSVOA_D
ClientSampleId :
EO-03-122723

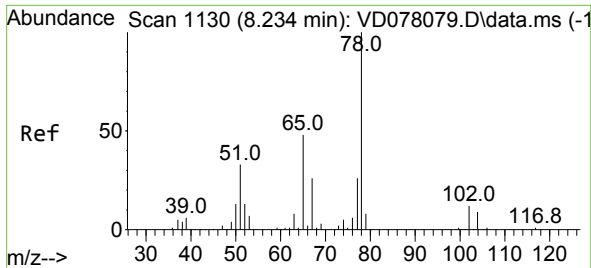
Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#29
Tetrahydrofuran
Concen: 3.381 ug/l
RT: 7.469 min Scan# 1000
Delta R.T. 0.024 min
Lab File: VD078095.D
Acq: 28 Dec 2023 16:25

Tgt Ion: 42 Resp: 85
Ion Ratio Lower Upper
42 100
72 0.0 46.5 69.7#
71 62.4 44.5 66.7





#33

1,2-Dichloroethane-d4

Concen: 72.415 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD078095.D

Acq: 28 Dec 2023 16:25

Instrument :

MSVOA_D

ClientSampleId :

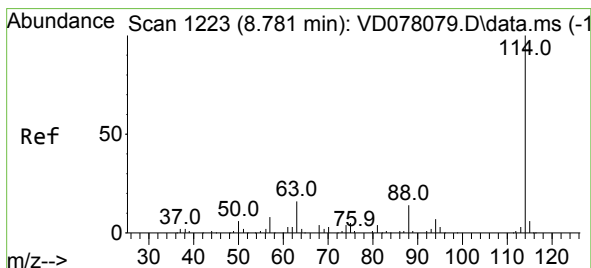
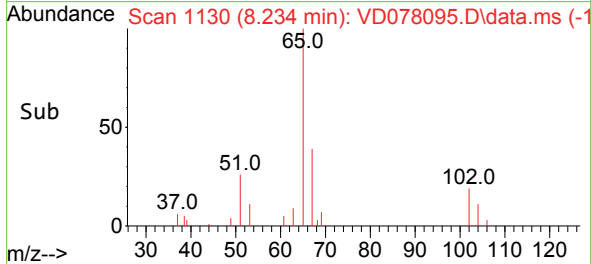
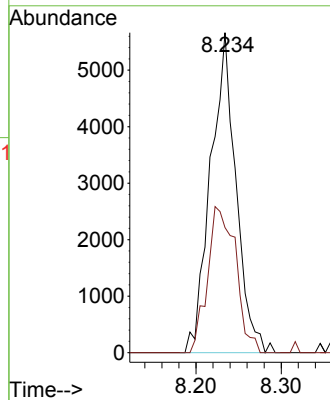
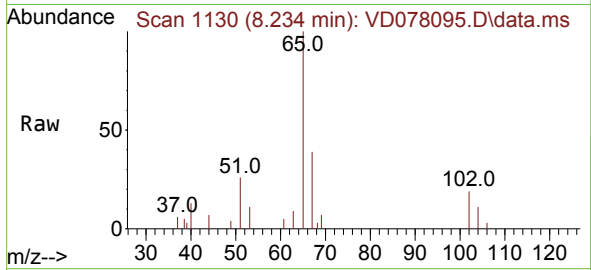
EO-03-122723

Tgt Ion: 65 Resp: 11761

Ion Ratio Lower Upper

65 100

67 50.6 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.005 min

Lab File: VD078095.D

Acq: 28 Dec 2023 16:25

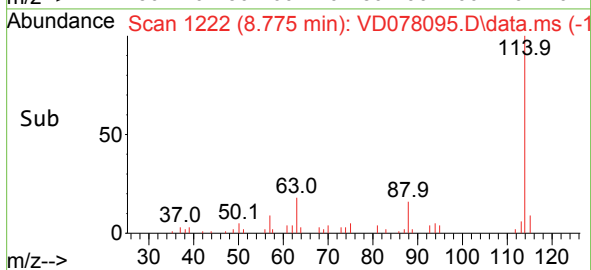
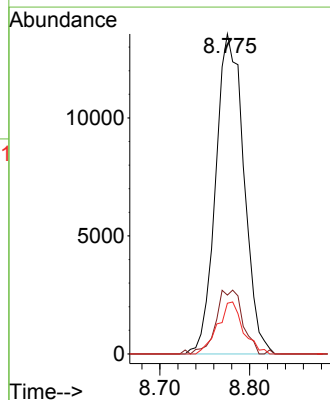
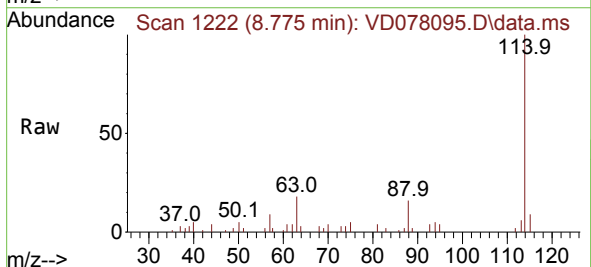
Tgt Ion: 114 Resp: 29546

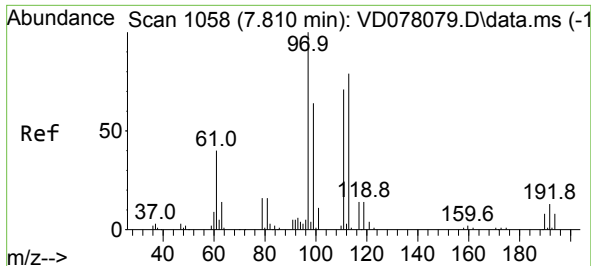
Ion Ratio Lower Upper

114 100

63 18.4 0.0 33.4

88 15.9 0.0 26.2





#35

Dibromofluoromethane

Concen: 57.425 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD078095.D

Acq: 28 Dec 2023 16:25

Instrument :

MSVOA_D

ClientSampleId :

EO-03-122723

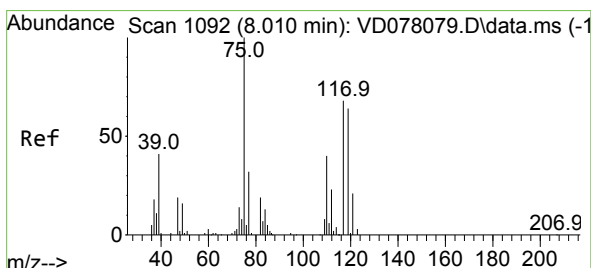
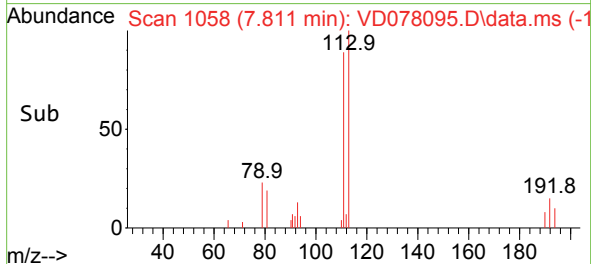
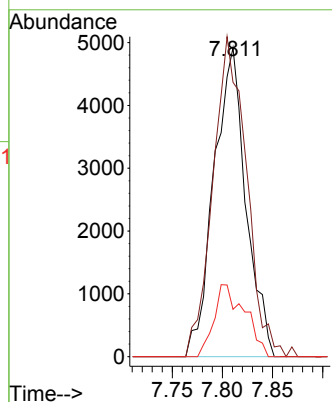
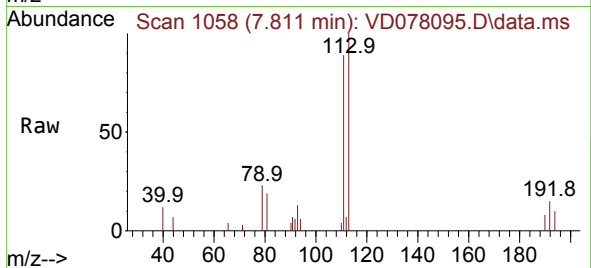
Tgt Ion:113 Resp: 10917

Ion Ratio Lower Upper

113 100

111 108.8 84.7 127.1

192 22.5 16.8 25.2



#36

1,1-Dichloropropene

Concen: 5.054 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.129 min

Lab File: VD078095.D

Acq: 28 Dec 2023 16:25

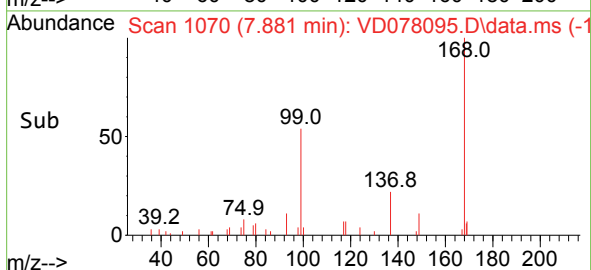
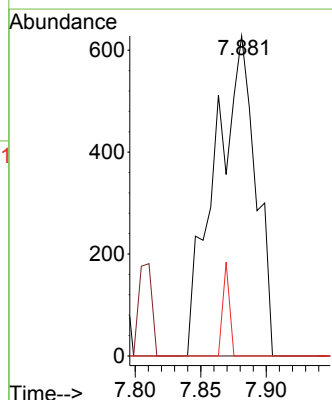
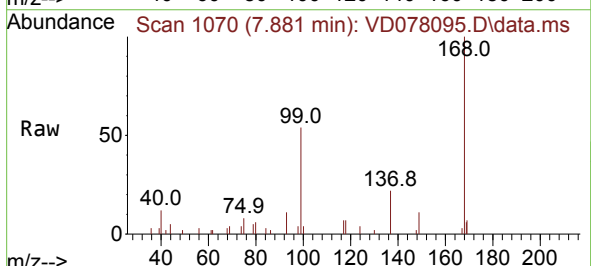
Tgt Ion: 75 Resp: 1352

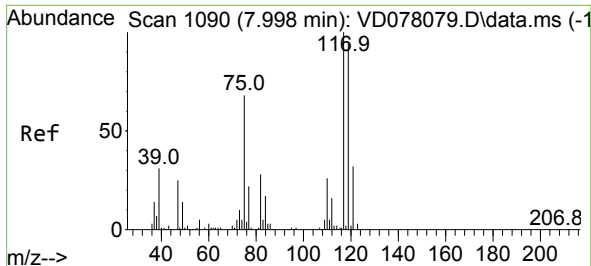
Ion Ratio Lower Upper

75 100

110 0.0 19.9 59.6#

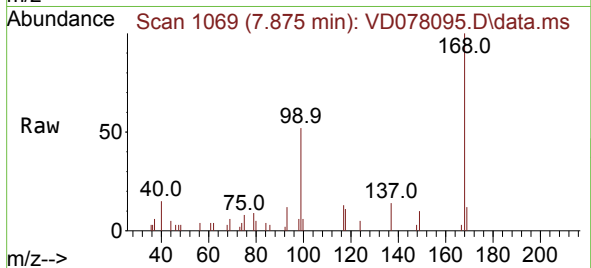
77 4.8 24.7 37.1#



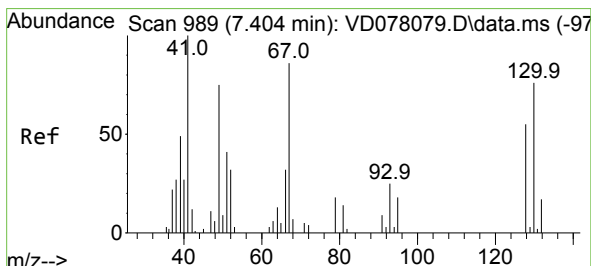
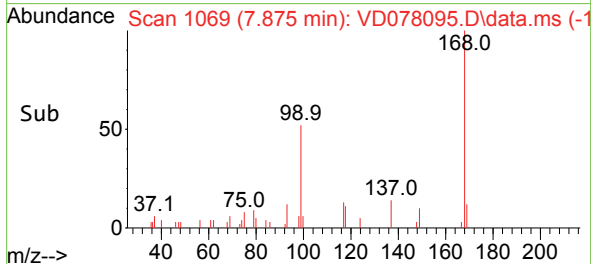
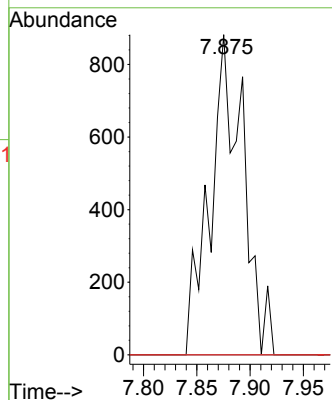


#38
Carbon Tetrachloride
Concen: 6.555 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.123 min
Lab File: VD078095.D
Acq: 28 Dec 2023 16:25

Instrument :
MSVOA_D
ClientSampleId :
EO-03-122723

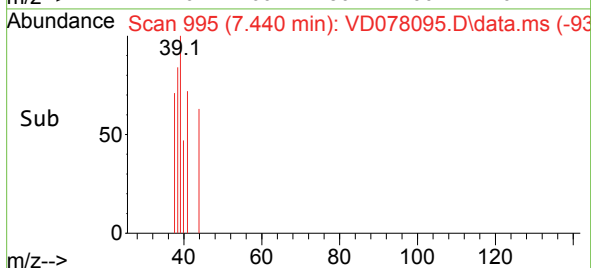
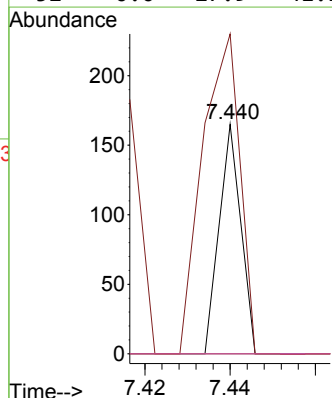
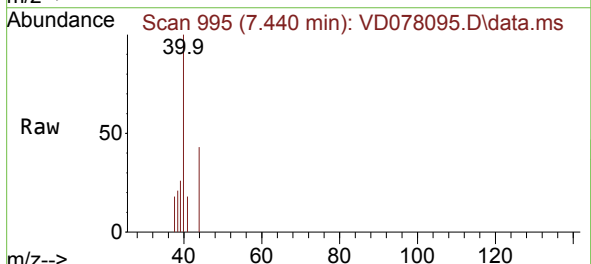


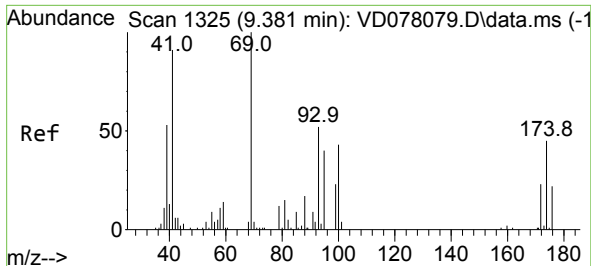
Tgt Ion:117 Resp: 1900
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 1.031 ug/l
RT: 7.440 min Scan# 995
Delta R.T. 0.036 min
Lab File: VD078095.D
Acq: 28 Dec 2023 16:25

Tgt Ion: 41 Resp: 58
Ion Ratio Lower Upper
41 100
39 241.4 34.0 51.0#
67 0.0 77.0 115.4#
52 0.0 27.9 41.9#

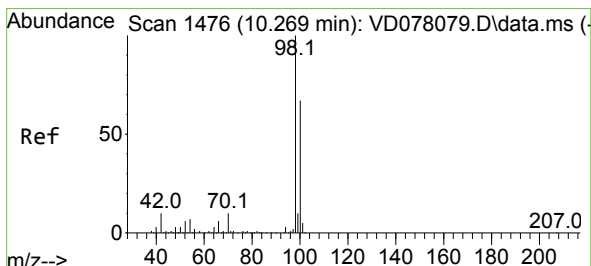
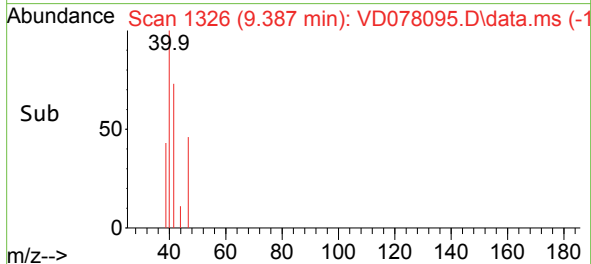
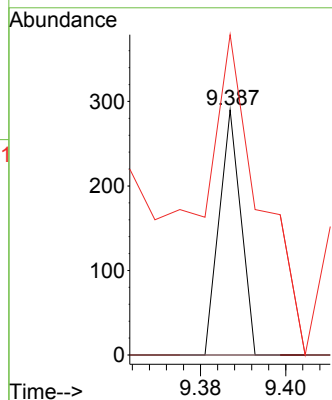
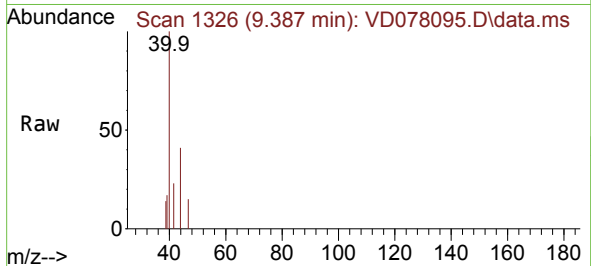




#48
Methyl methacrylate
Concen: 1.016 ug/l
RT: 9.387 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD078095.D
Acq: 28 Dec 2023 16:25

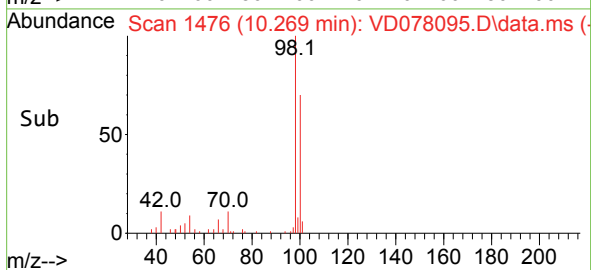
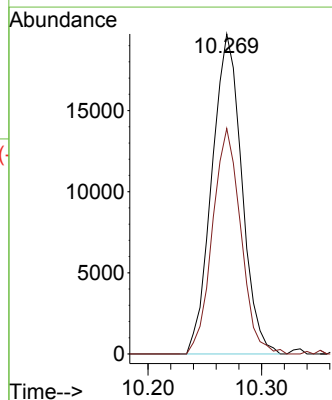
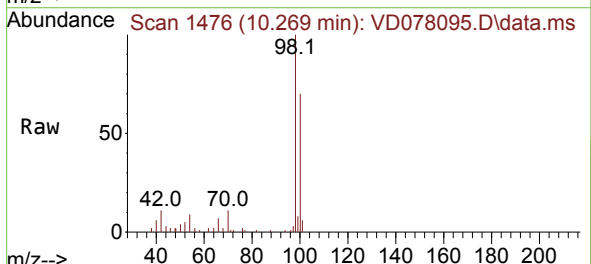
Instrument :
MSVOA_D
ClientSampleId :
EO-03-122723

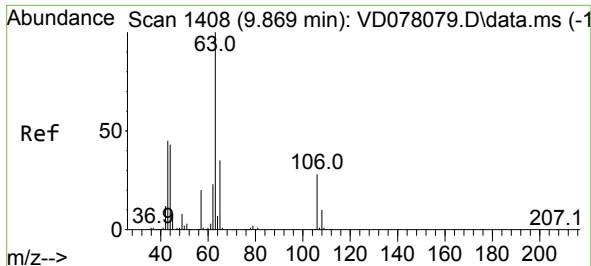
Tgt Ion: 41 Resp: 102
Ion Ratio Lower Upper
41 100
69 0.0 102.2 153.2#
39 495.1 41.4 62.2#



#50
Toluene-d8
Concen: 53.857 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078095.D
Acq: 28 Dec 2023 16:25

Tgt Ion: 98 Resp: 36027
Ion Ratio Lower Upper
98 100
100 66.9 50.3 75.5

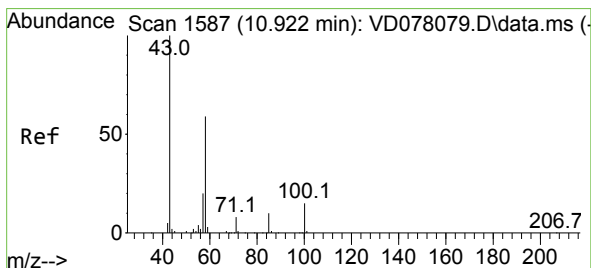
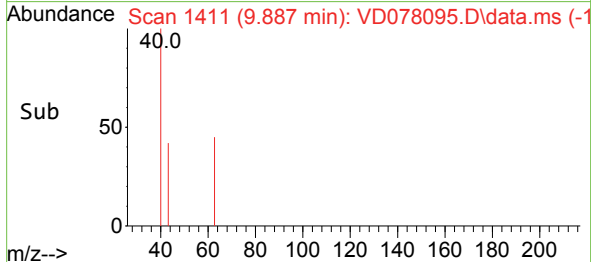
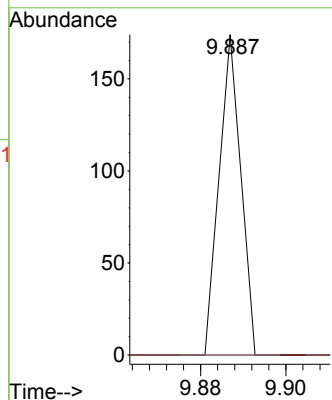
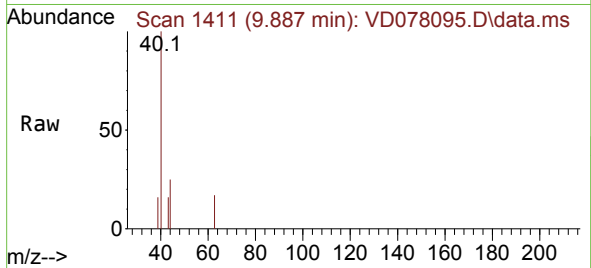




#58
2-Chloroethyl Vinyl ether
Concen: 1.153 ug/l
RT: 9.887 min Scan# 1411
Delta R.T. 0.018 min
Lab File: VD078095.D
Acq: 28 Dec 2023 16:25

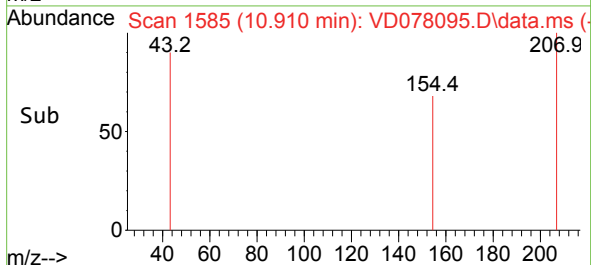
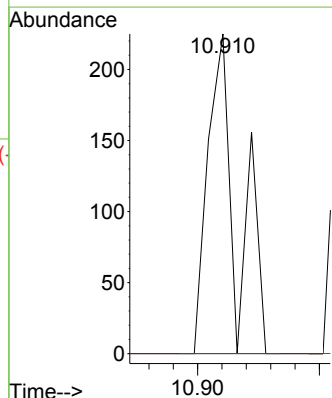
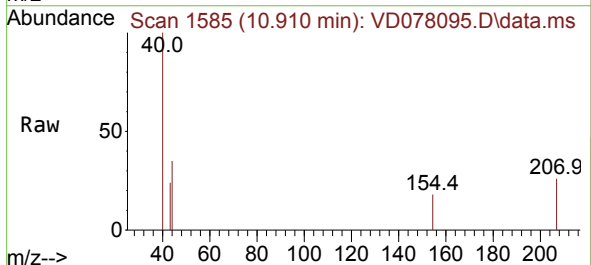
Instrument :
MSVOA_D
ClientSampleId :
EO-03-122723

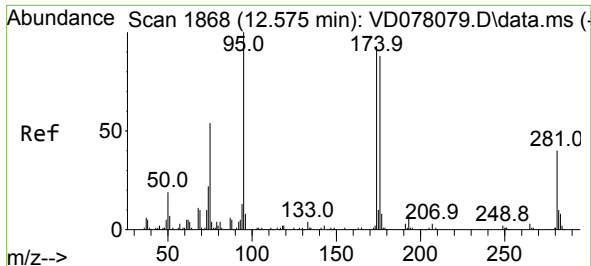
Tgt Ion: 63 Resp: 61
Ion Ratio Lower Upper
63 100
106 0.0 25.3 37.9#



#59
2-Hexanone
Concen: 2.648 ug/l
RT: 10.910 min Scan# 1585
Delta R.T. -0.011 min
Lab File: VD078095.D
Acq: 28 Dec 2023 16:25

Tgt Ion: 43 Resp: 188
Ion Ratio Lower Upper
43 100
58 0.0 34.1 102.2#

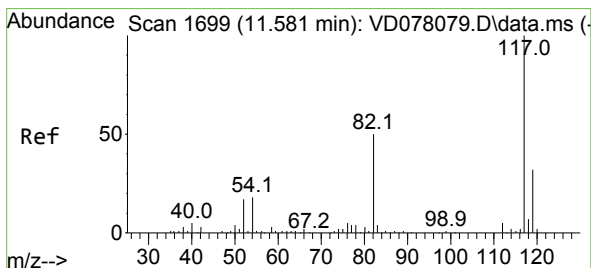
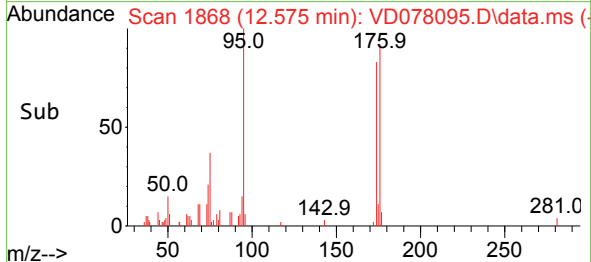
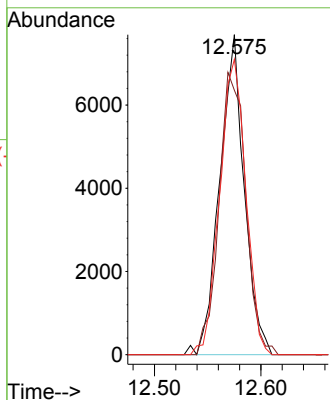
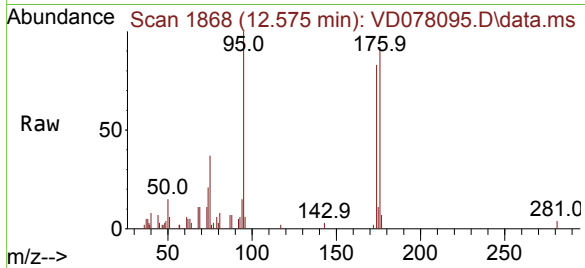




#62
4-Bromofluorobenzene
Concen: 57.096 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078095.D
Acq: 28 Dec 2023 16:25

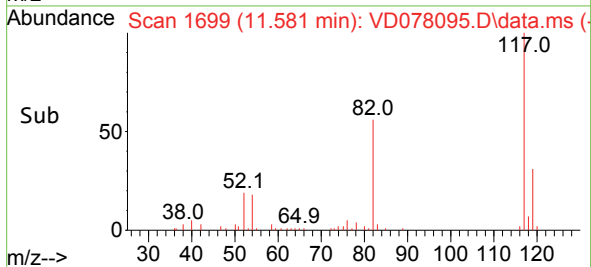
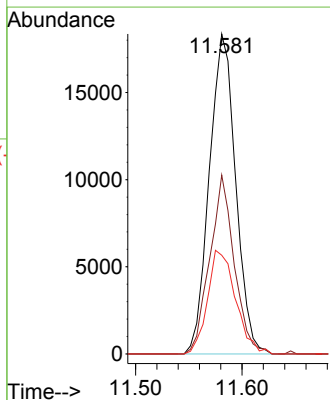
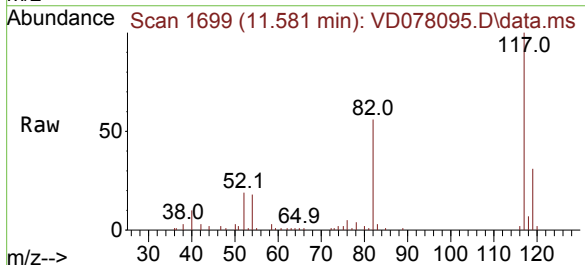
Instrument :
MSVOA_D
ClientSampleId :
EO-03-122723

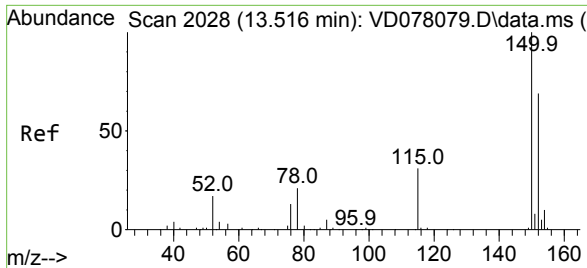
Tgt Ion:	95	Resp:	12289
Ion	Ratio	Lower	Upper
95	100		
174	96.3	0.0	201.8
176	98.4	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD078095.D
Acq: 28 Dec 2023 16:25

Tgt Ion:	117	Resp:	31520
Ion	Ratio	Lower	Upper
117	100		
82	55.9	38.3	57.5
119	30.8	25.0	37.4

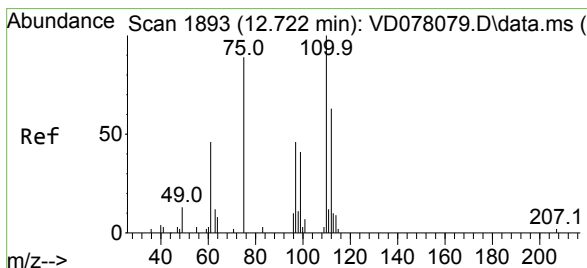
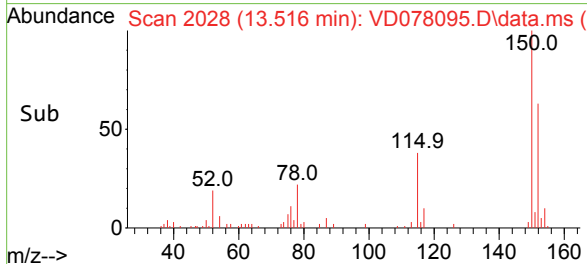
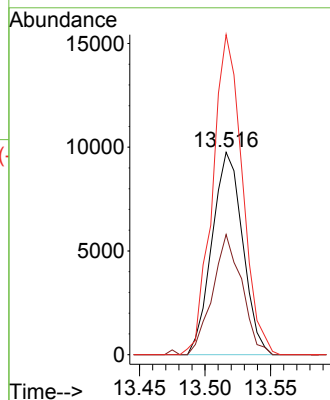
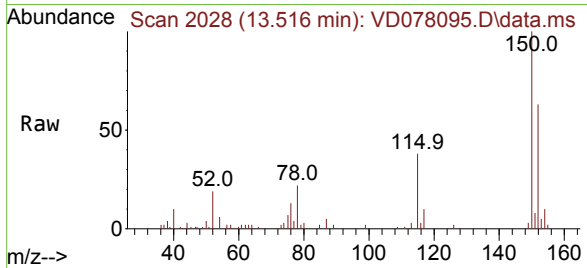




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD078095.D
 Acq: 28 Dec 2023 16:25

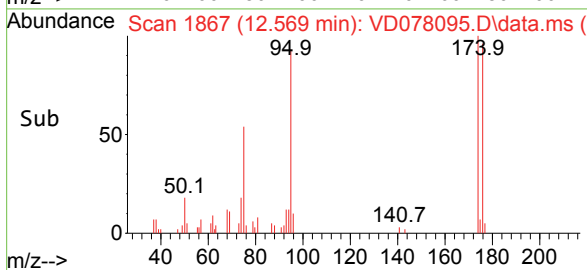
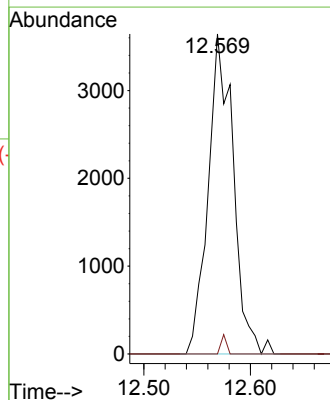
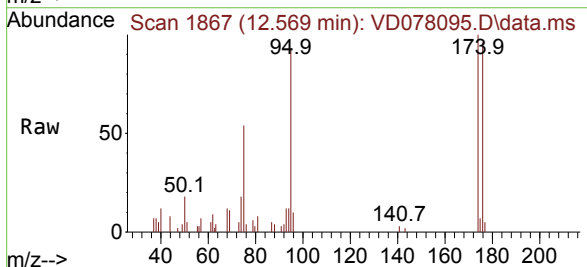
Instrument :
 MSVOA_D
 ClientSampleId :
 EO-03-122723

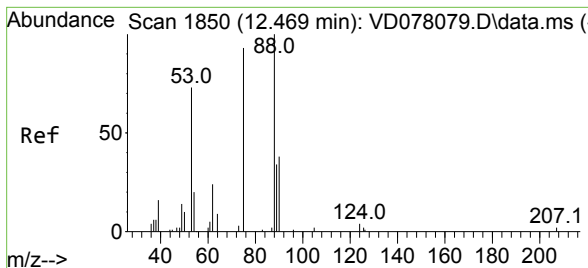
Tgt Ion:152 Resp: 15885
 Ion Ratio Lower Upper
 152 100
 115 56.6 27.1 81.3
 150 153.7 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 44.569 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. -0.153 min
 Lab File: VD078095.D
 Acq: 28 Dec 2023 16:25

Tgt Ion: 75 Resp: 5973
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

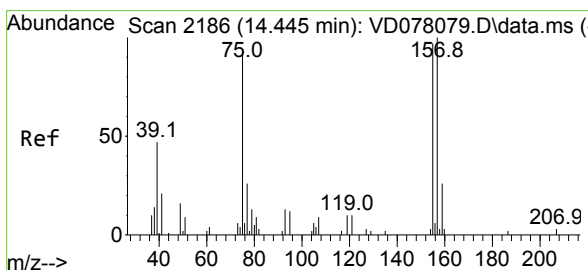
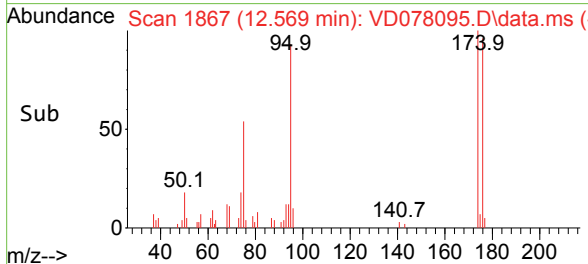
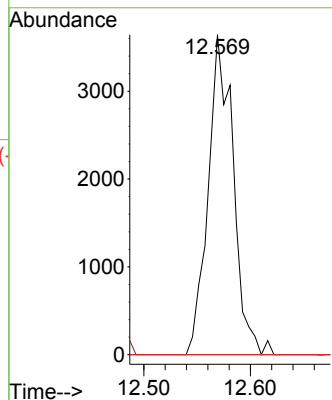
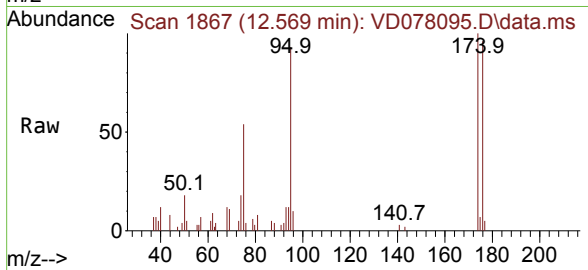




#81
trans-1,4-Dichloro-2-butene
Concen: 96.037 ug/l
RT: 12.569 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD078095.D
Acq: 28 Dec 2023 16:25

Instrument :
MSVOA_D
ClientSampleId :
EO-03-122723

Tgt Ion: 75 Resp: 5973
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.119 ug/l
RT: 14.540 min Scan# 2202
Delta R.T. 0.095 min
Lab File: VD078095.D
Acq: 28 Dec 2023 16:25

Tgt Ion: 75 Resp: 59
Ion Ratio Lower Upper
75 100
155 0.0 47.9 143.8#
157 0.0 59.9 179.7#

