

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077841.D
 Acq On : 12 Dec 2023 14:50
 Operator : JC/SY
 Sample : 05692-01RE
 Misc : 5.10G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-03-12072023

Quant Time: Dec 12 15:07:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

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

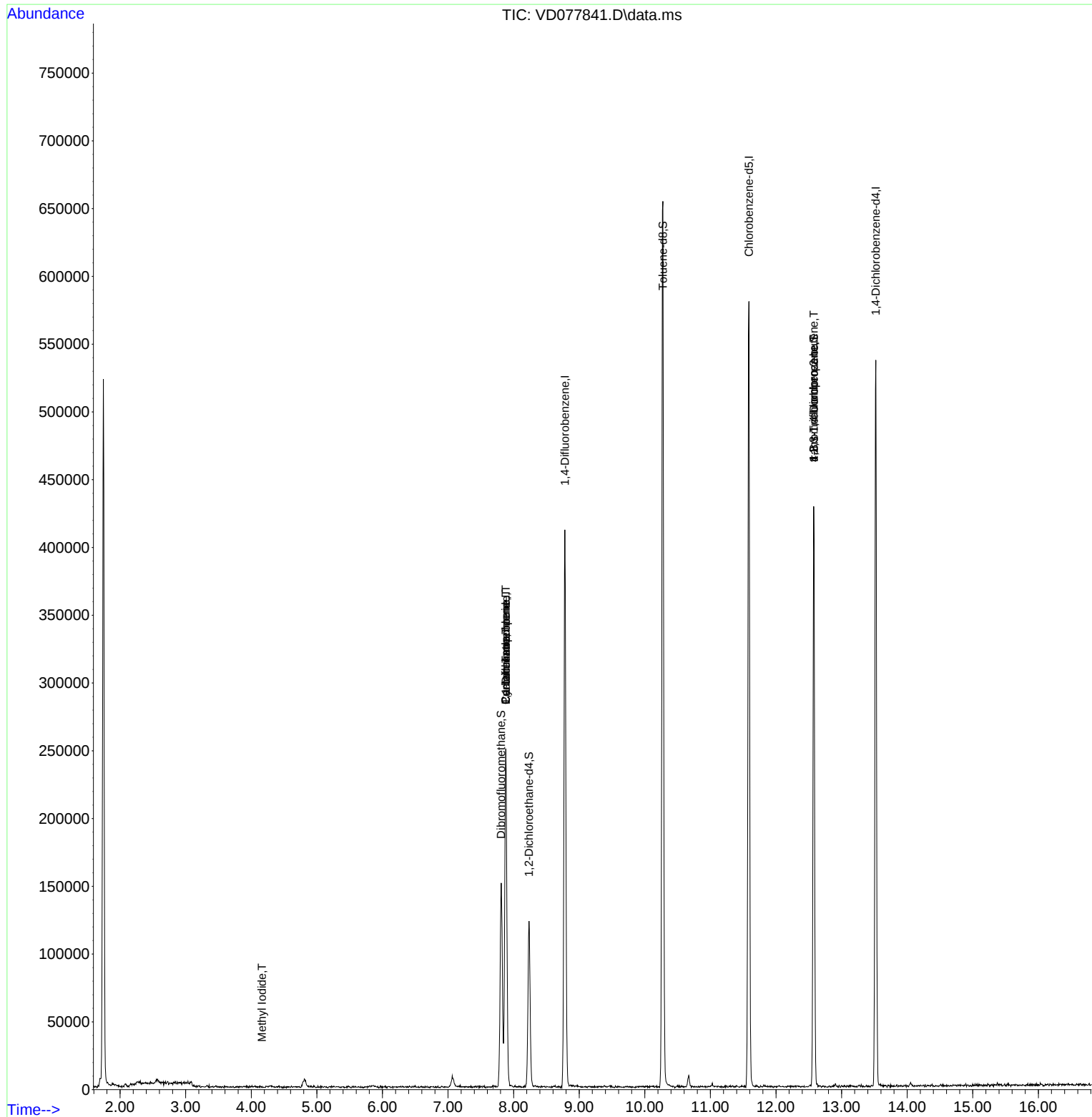
Internal Standards						
1) Pentafluorobenzene	7.881	168	194170	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	364301	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	340846	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	147371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	94530	41.315	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.640%
35) Dibromofluoromethane	7.810	113	108367	42.467	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.940%
50) Toluene-d8	10.275	98	465585	45.555	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.100%
62) 4-Bromofluorobenzene	12.575	95	127517	41.732	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.460%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.164	142	116	6.790	ug/l #	46
11) Tert butyl alcohol	5.081	59	129	Below Cal	#	73
16) Acetone	4.017	43	175	Below Cal	#	32
20) Methylene Chloride	4.811	84	3974	Below Cal	#	85
25) 2-Butanone	7.081	43	516	Below Cal	#	37
31) Cyclohexane	7.881	56	4473	1.099	ug/l #	35
36) 1,1-Dichloropropene	7.881	75	15610	3.824	ug/l #	49
38) Carbon Tetrachloride	7.881	117	18519	4.551	ug/l #	15
65) Chlorobenzene	11.604	112	206	Below Cal	#	66
76) 1,2,3-Trichloropropane	12.575	75	68483	53.505	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	68483	108.406	ug/l #	17
88) 1,4-Dichlorobenzene	13.534	146	731	Below Cal	#	1

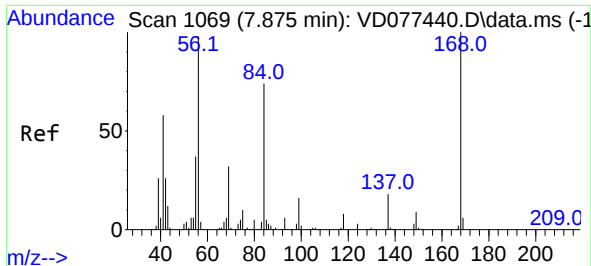
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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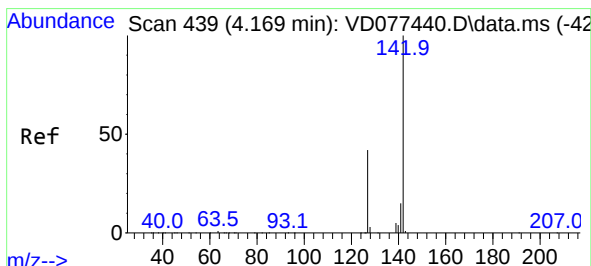
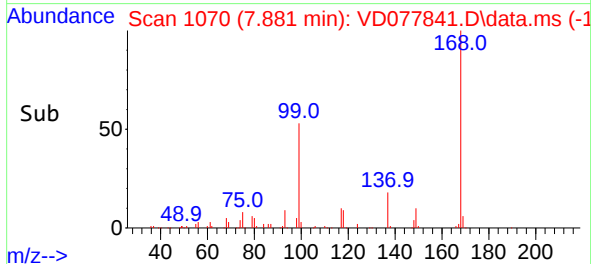
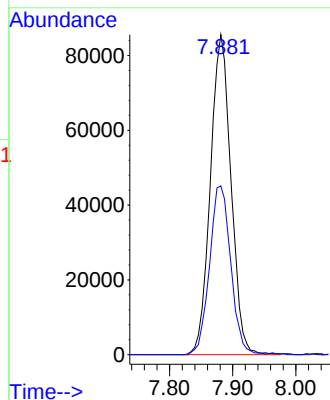
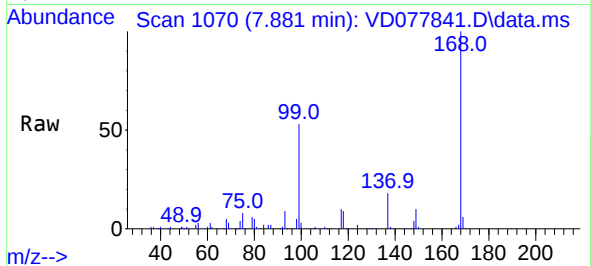




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD077841.D
Acq: 12 Dec 2023 14:50

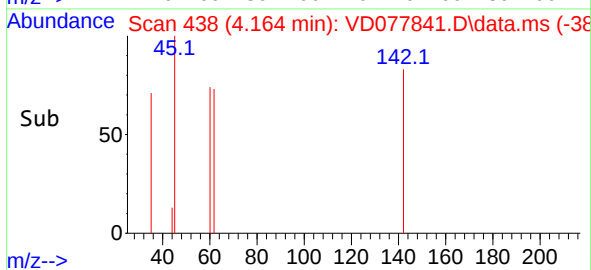
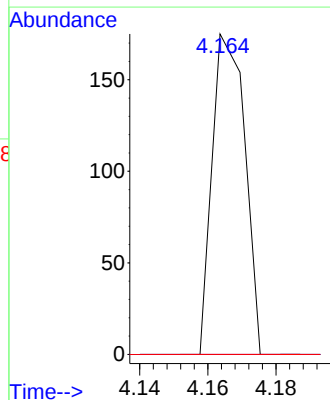
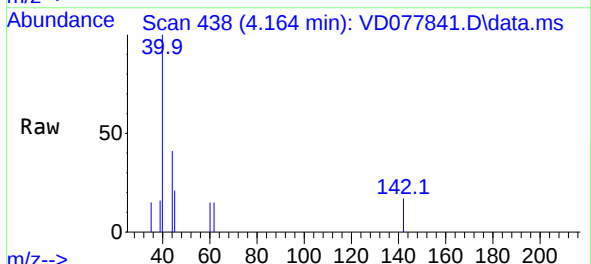
Instrument :
MSVOA_D
ClientSampleId :
EO-03-12072023

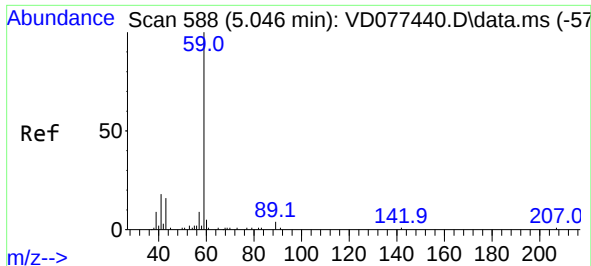
Tgt Ion:168 Resp: 194170
Ion Ratio Lower Upper
168 100
99 52.8 36.7 55.1



#10
Methyl Iodide
Concen: 6.790 ug/l
RT: 4.164 min Scan# 438
Delta R.T. -0.005 min
Lab File: VD077841.D
Acq: 12 Dec 2023 14:50

Tgt Ion:142 Resp: 116
Ion Ratio Lower Upper
142 100
127 0.0 29.4 44.0#
141 0.0 11.1 16.7#

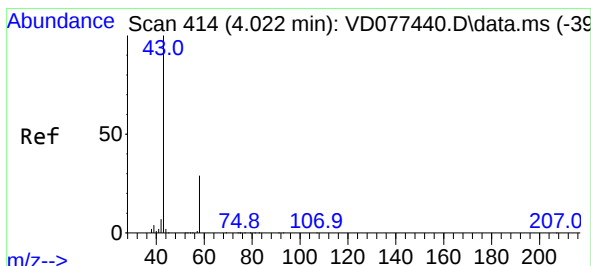
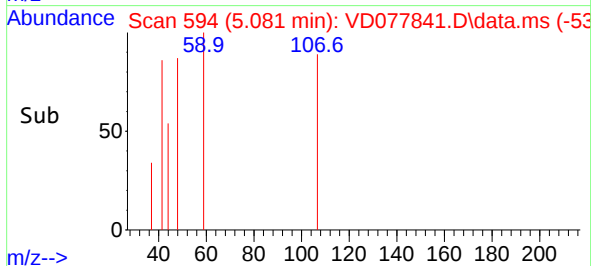
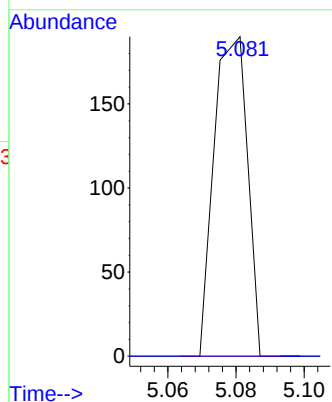
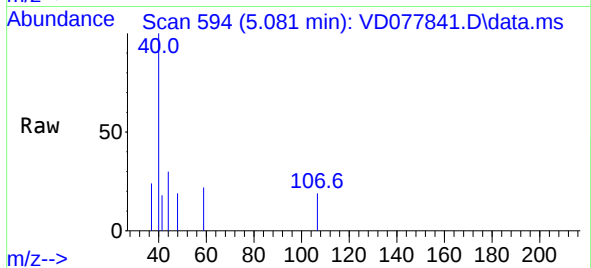




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.081 min Scan# 594
Delta R.T. 0.035 min
Lab File: VD077841.D
Acq: 12 Dec 2023 14:50

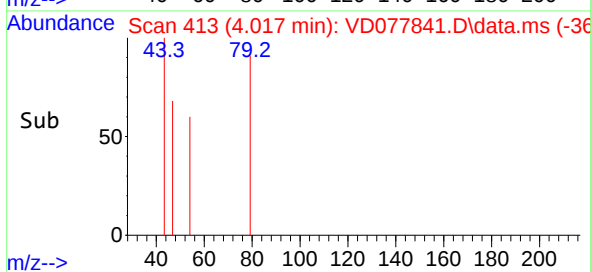
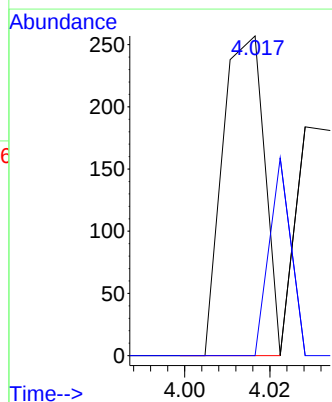
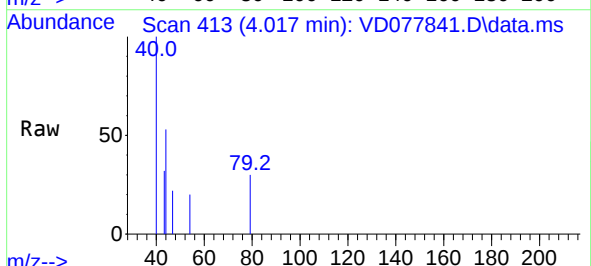
Instrument :
MSVOA_D
ClientSampleId :
EO-03-12072023

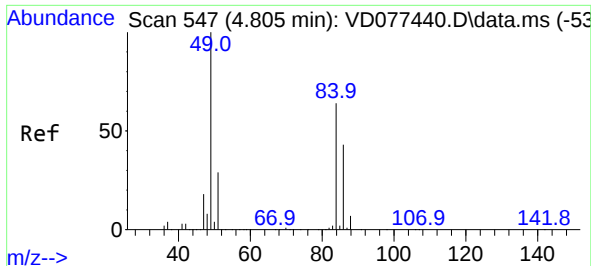
Tgt Ion: 59 Resp: 129
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: Below Cal
RT: 4.017 min Scan# 413
Delta R.T. -0.005 min
Lab File: VD077841.D
Acq: 12 Dec 2023 14:50

Tgt Ion: 43 Resp: 175
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



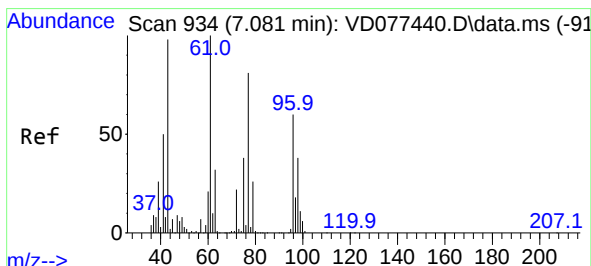
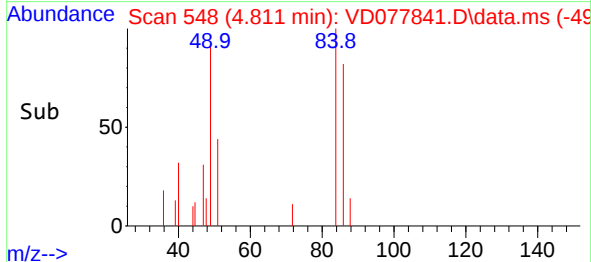
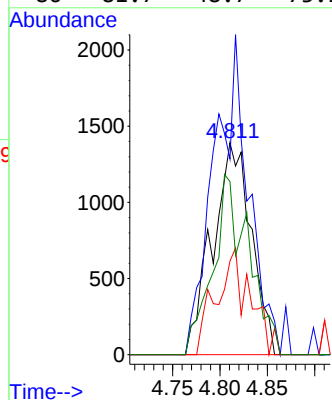
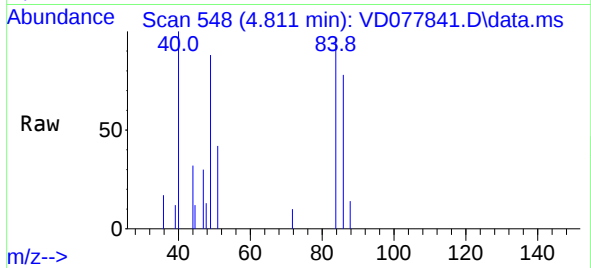


#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD077841.D
Acq: 12 Dec 2023 14:50

Instrument :
MSVOA_D
ClientSampleId :
EO-03-12072023

Tgt Ion: 84 Resp: 3974

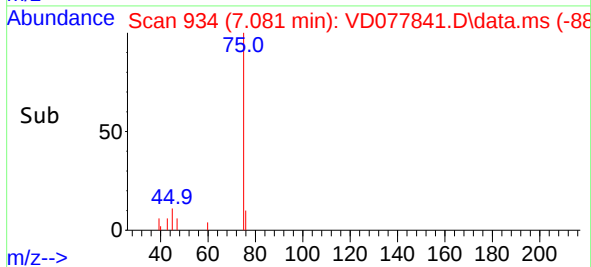
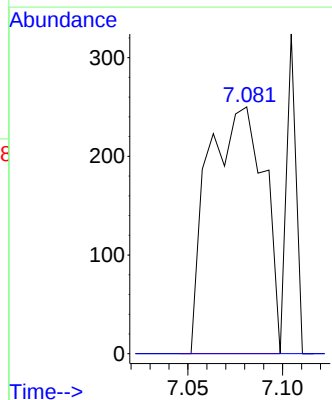
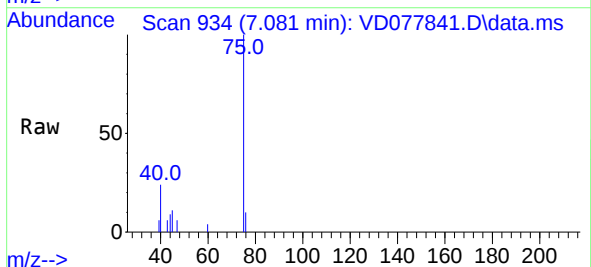
Ion	Ratio	Lower	Upper
84	100		
49	92.3	71.4	107.2
51	44.2	24.5	36.7#
86	81.7	48.7	73.1#

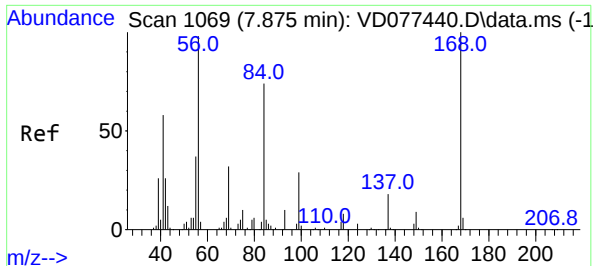


#25
2-Butanone
Concen: Below Cal
RT: 7.081 min Scan# 934
Delta R.T. 0.000 min
Lab File: VD077841.D
Acq: 12 Dec 2023 14:50

Tgt Ion: 43 Resp: 516

Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.7	46.1#





#31

Cyclohexane

Concen: 1.099 ug/l

RT: 7.881 min Scan# 110

Delta R.T. 0.006 min

Lab File: VD077841.D

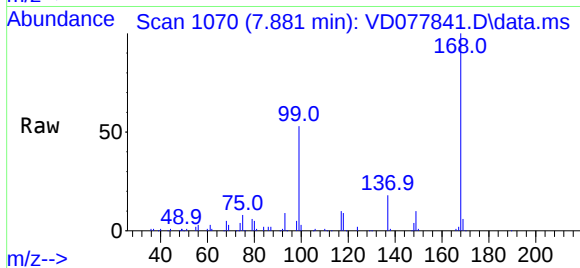
Acq: 12 Dec 2023 14:50

Instrument :

MSVOA_D

ClientSampleId :

EO-03-12072023



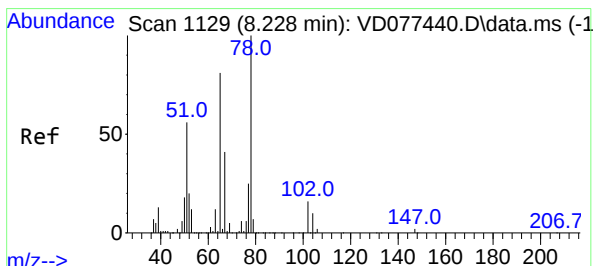
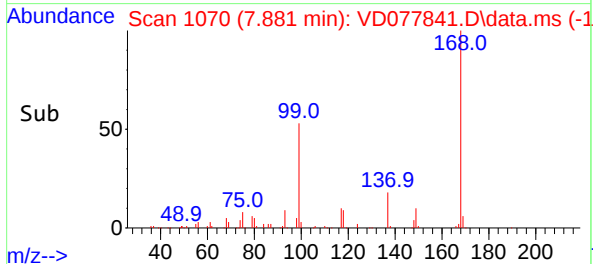
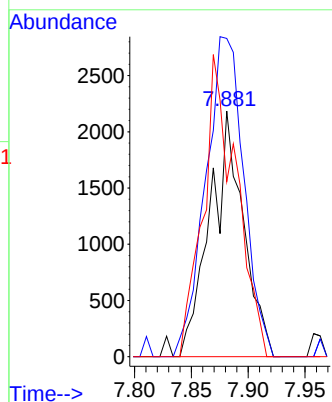
Tgt Ion: 56 Resp: 4473

Ion Ratio Lower Upper

56 100

69 129.6 28.6 43.0#

84 71.3 84.8 127.2#



#33

1,2-Dichloroethane-d4

Concen: 41.315 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD077841.D

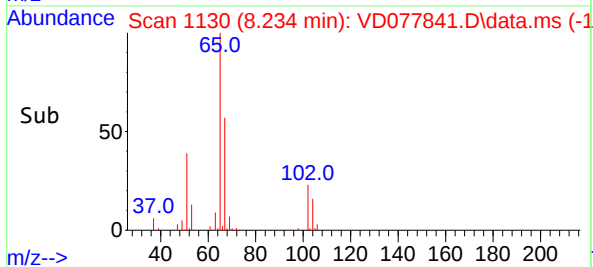
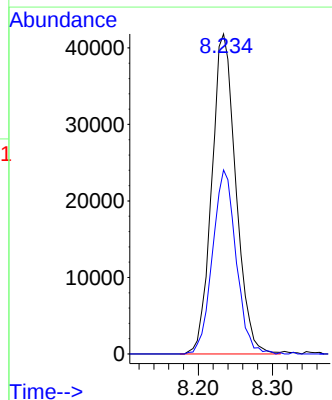
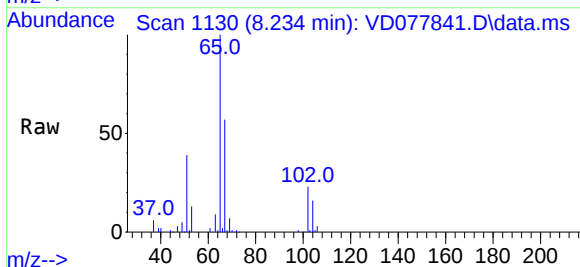
Acq: 12 Dec 2023 14:50

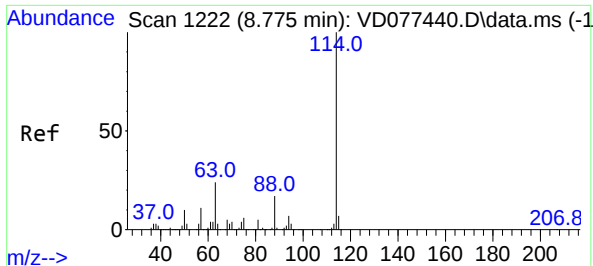
Tgt Ion: 65 Resp: 94530

Ion Ratio Lower Upper

65 100

67 56.3 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077841.D

Acq: 12 Dec 2023 14:50

Instrument :

MSVOA_D

ClientSampleId :

EO-03-12072023

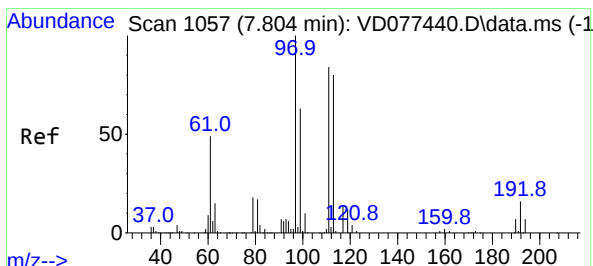
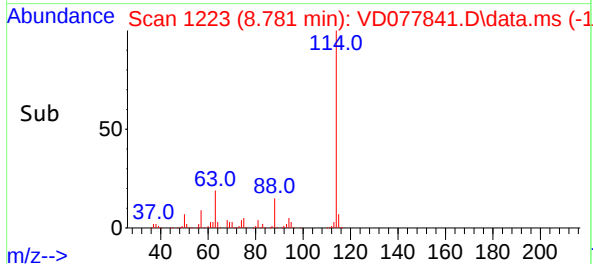
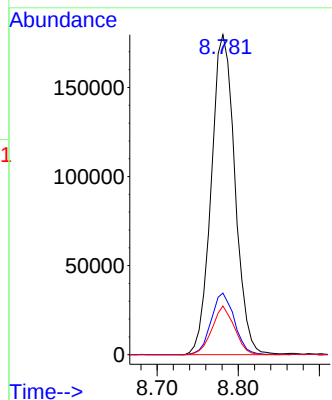
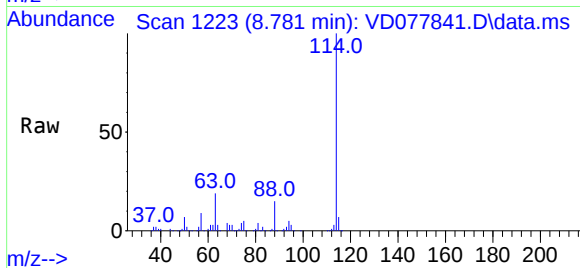
Tgt Ion:114 Resp: 364301

Ion Ratio Lower Upper

114 100

63 19.2 0.0 33.4

88 15.2 0.0 26.2



#35

Dibromofluoromethane

Concen: 42.467 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077841.D

Acq: 12 Dec 2023 14:50

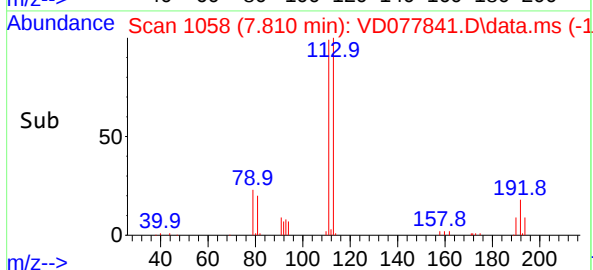
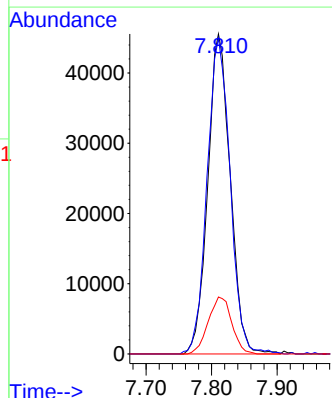
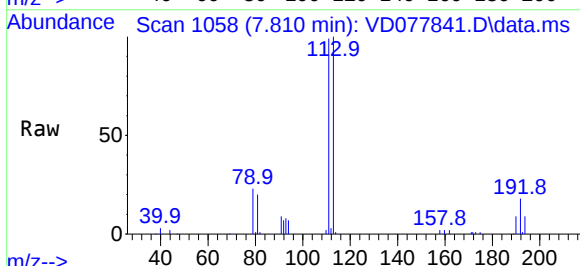
Tgt Ion:113 Resp: 108367

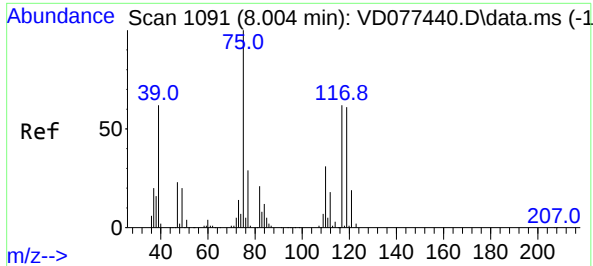
Ion Ratio Lower Upper

113 100

111 101.3 84.7 127.1

192 18.6 16.8 25.2

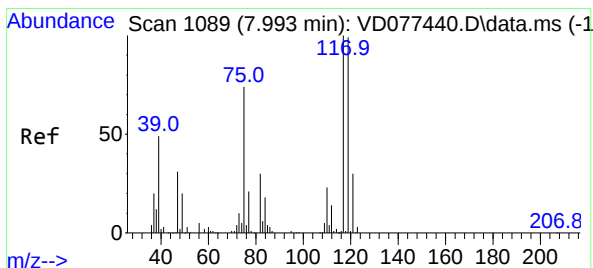
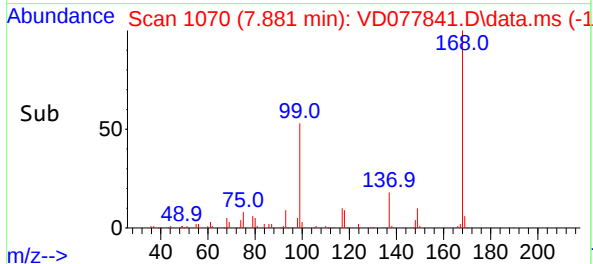
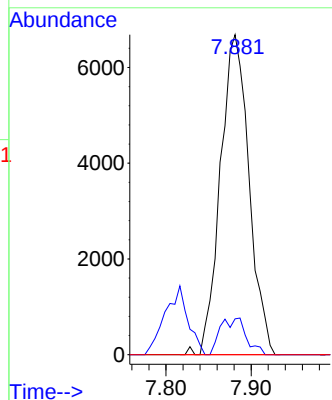
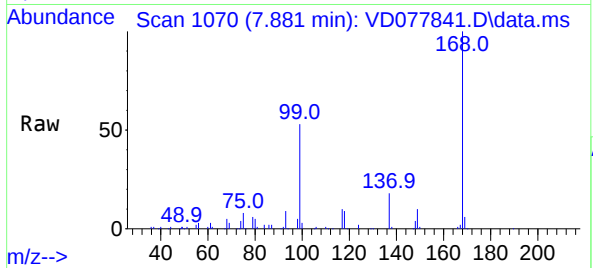




#36
1,1-Dichloropropene
Concen: 3.824 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.123 min
Lab File: VD077841.D
Acq: 12 Dec 2023 14:50

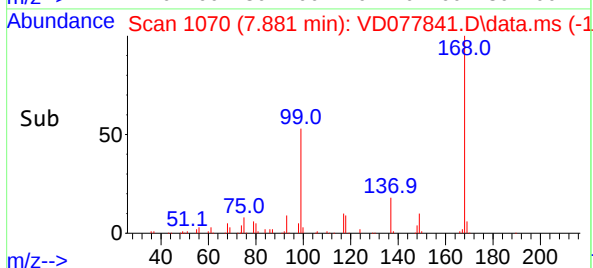
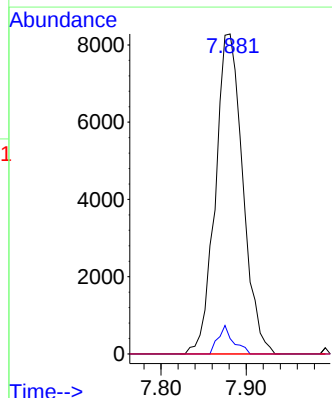
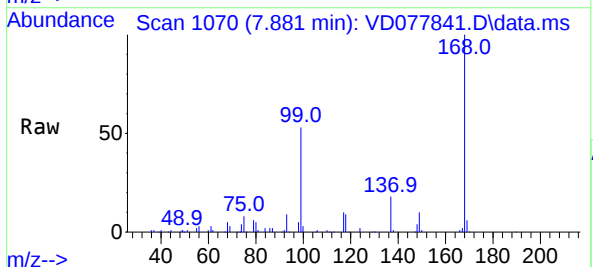
Instrument :
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EO-03-12072023

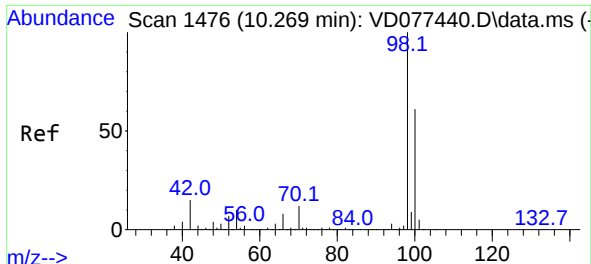
Tgt Ion: 75 Resp: 15610
Ion Ratio Lower Upper
75 100
110 10.4 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 4.551 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD077841.D
Acq: 12 Dec 2023 14:50

Tgt Ion: 117 Resp: 18519
Ion Ratio Lower Upper
117 100
119 4.8 78.0 117.0#
121 0.0 24.2 36.2#

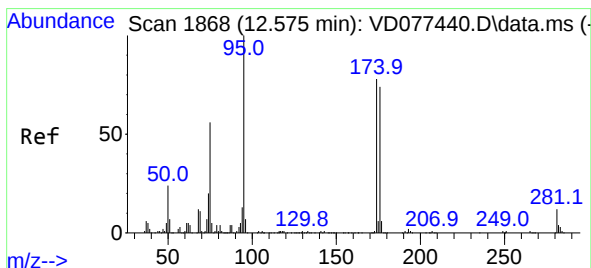
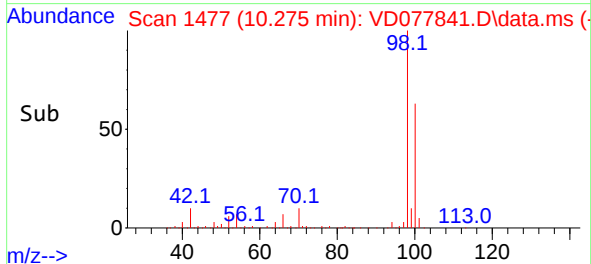
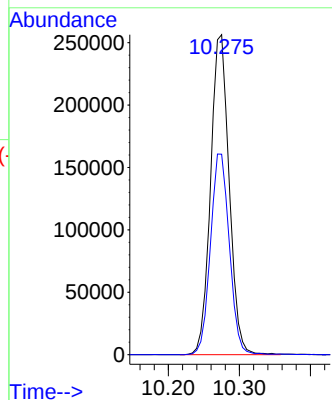
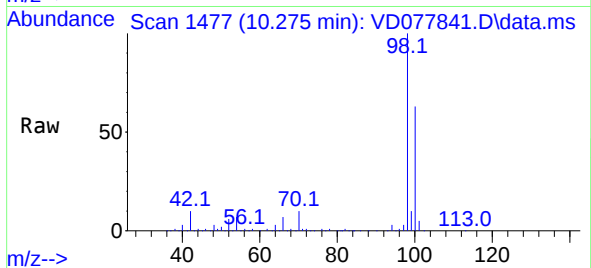




#50
Toluene-d8
Concen: 45.555 ug/l
RT: 10.275 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD077841.D
Acq: 12 Dec 2023 14:50

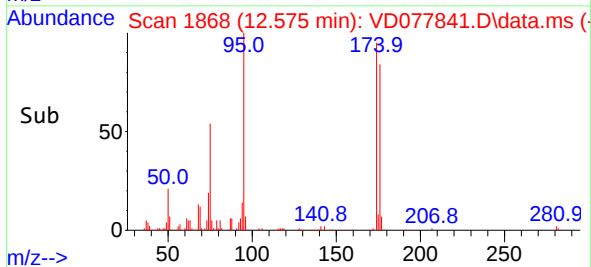
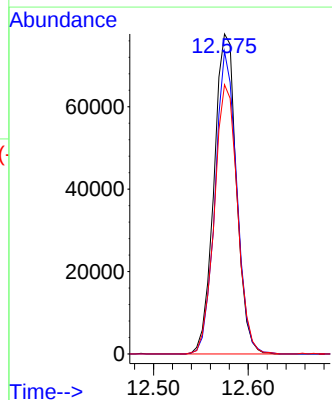
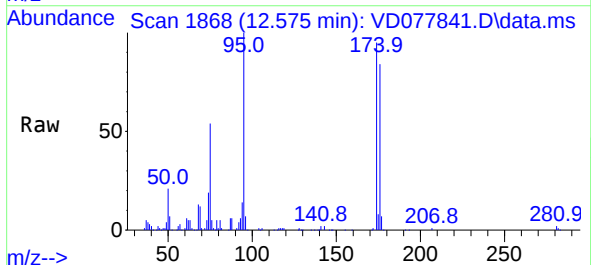
Instrument :
MSVOA_D
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EO-03-12072023

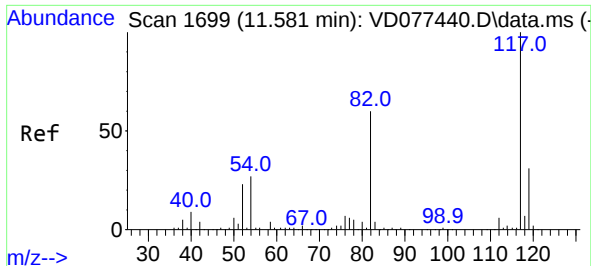
Tgt Ion: 98 Resp: 465585
Ion Ratio Lower Upper
98 100
100 63.7 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 41.732 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077841.D
Acq: 12 Dec 2023 14:50

Tgt Ion: 95 Resp: 127517
Ion Ratio Lower Upper
95 100
174 91.1 0.0 201.8
176 86.4 0.0 191.8

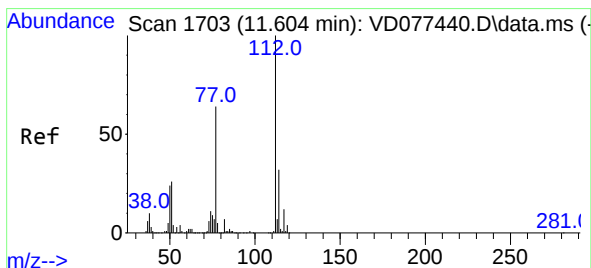
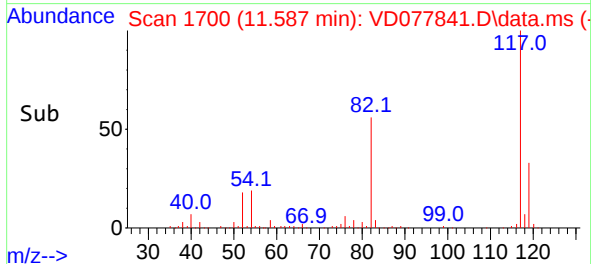
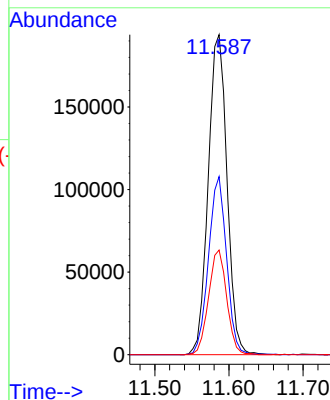
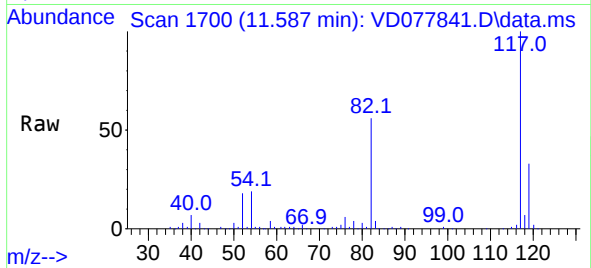




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077841.D
Acq: 12 Dec 2023 14:50

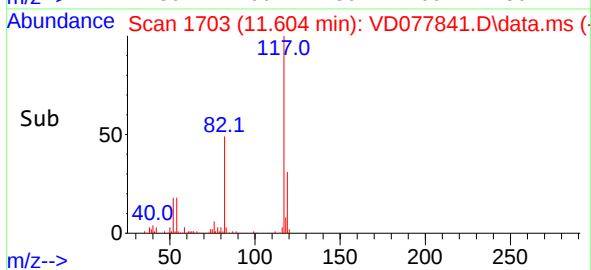
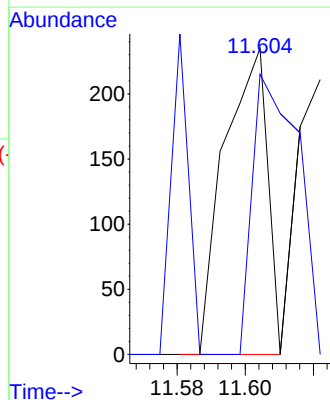
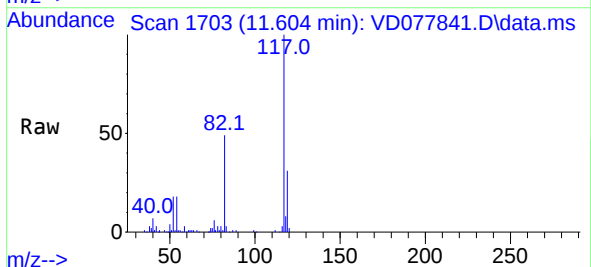
Instrument :
MSVOA_D
ClientSampleId :
EO-03-12072023

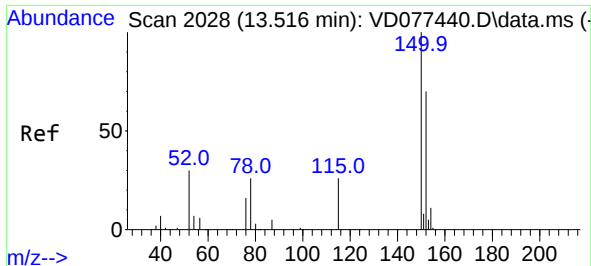
Tgt Ion:117 Resp: 340846
Ion Ratio Lower Upper
117 100
82 55.7 38.3 57.5
119 32.7 25.0 37.4



#65
Chlorobenzene
Concen: Below Cal
RT: 11.604 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VD077841.D
Acq: 12 Dec 2023 14:50

Tgt Ion:112 Resp: 206
Ion Ratio Lower Upper
112 100
114 12.8 25.1 37.7#

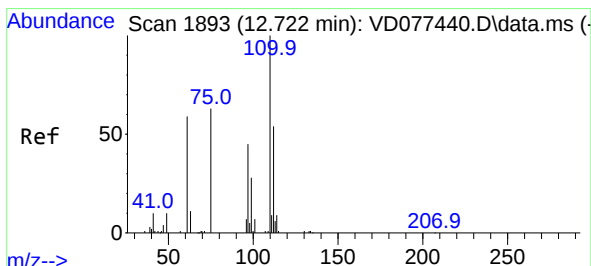
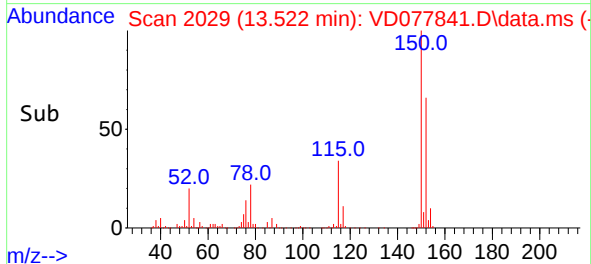
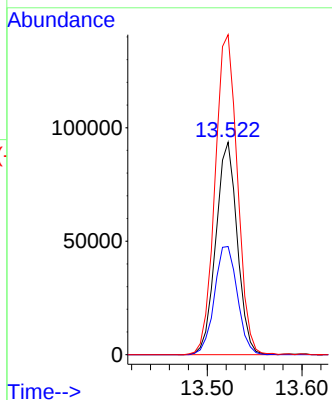
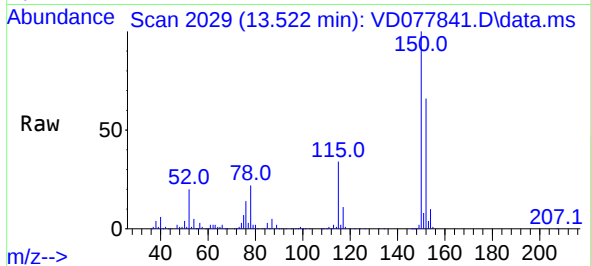




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 20
Delta R.T. 0.006 min
Lab File: VD077841.D
Acq: 12 Dec 2023 14:50

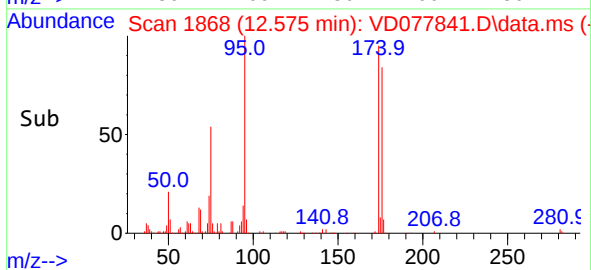
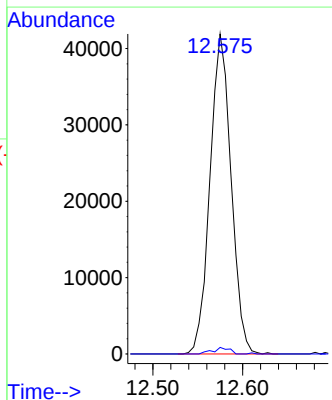
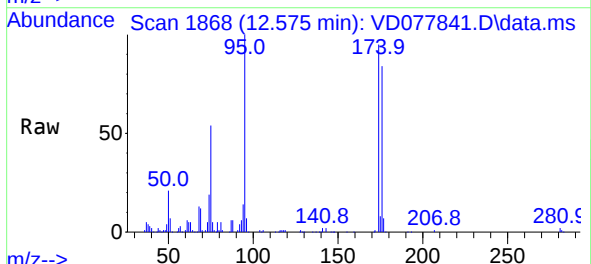
Instrument :
MSVOA_D
ClientSampleId :
EO-03-12072023

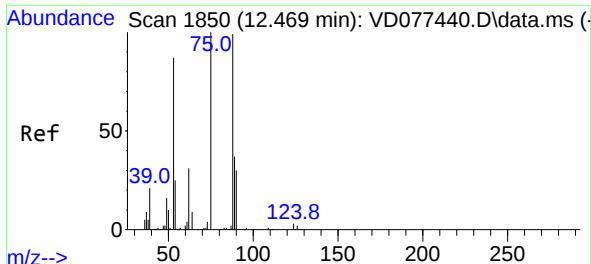
Tgt Ion:152 Resp: 147371
Ion Ratio Lower Upper
152 100
115 54.6 27.1 81.3
150 157.1 0.0 353.6



#76
1,2,3-Trichloropropane
Concen: 53.505 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077841.D
Acq: 12 Dec 2023 14:50

Tgt Ion: 75 Resp: 68483
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#

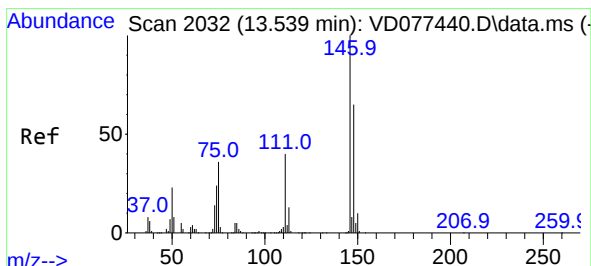
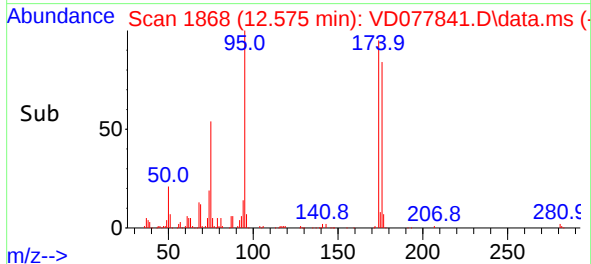
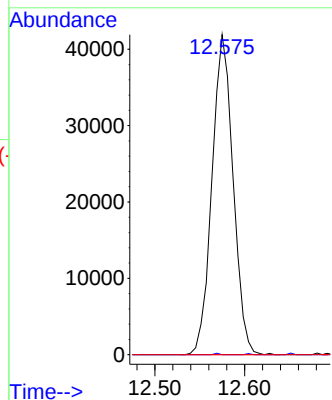
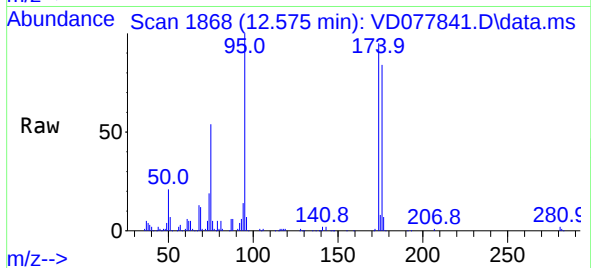




#81
trans-1,4-Dichloro-2-butene
Concen: 108.406 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077841.D
Acq: 12 Dec 2023 14:50

Instrument :
MSVOA_D
ClientSampleId :
EO-03-12072023

Tgt Ion: 75 Resp: 68483
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.0 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.534 min Scan# 2031
Delta R.T. -0.005 min
Lab File: VD077841.D
Acq: 12 Dec 2023 14:50

Tgt Ion: 146 Resp: 731
Ion Ratio Lower Upper
146 100
111 343.2 17.4 52.3#
148 159.6 31.7 95.1#

