

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103123\
 Data File : VD077465.D
 Acq On : 31 Oct 2023 17:09
 Operator : JC/SY
 Sample : 05162-03
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 01 06:09:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 04:19:17 2023
 Response via : Initial Calibration

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

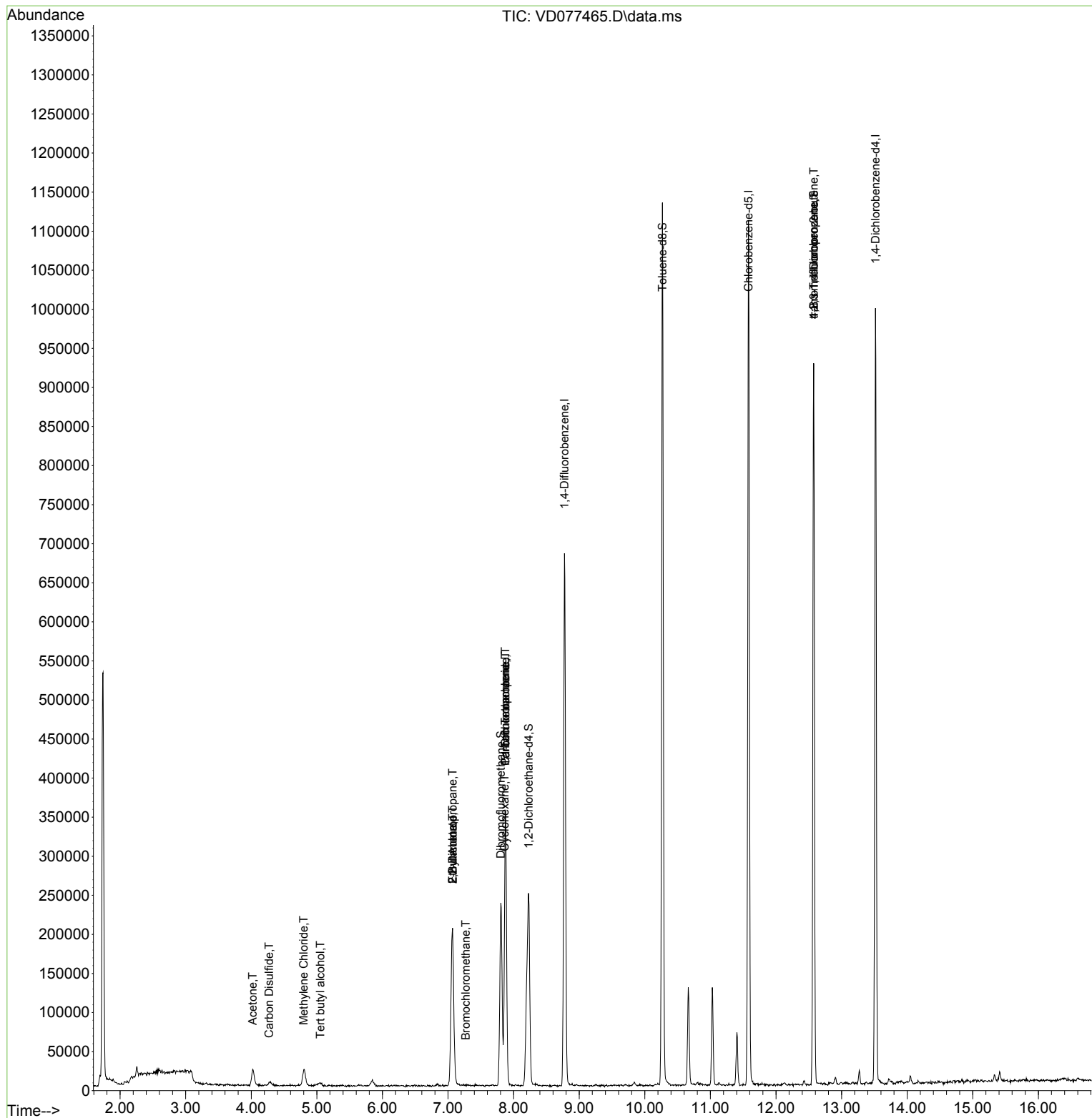
Internal Standards						
1) Pentafluorobenzene	7.875	168	253022	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	544124	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	567681	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	245352	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	170382	47.621	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.240%
35) Dibromofluoromethane	7.805	113	170445	45.322	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.640%
50) Toluene-d8	10.269	98	720351	49.313	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.620%
62) 4-Bromofluorobenzene	12.575	95	275650	56.026	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	112.060%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.052	59	6998	24.692	ug/l	# 90
16) Acetone	4.022	43	37007	39.089	ug/l	# 78
17) Carbon Disulfide	4.270	76	3565	4.179	ug/l	# 86
20) Methylene Chloride	4.799	84	14046	1.606	ug/l	# 71
25) 2-Butanone	7.069	43	15889	12.582	ug/l	# 63
26) 2,2-Dichloropropane	7.069	77	14232	2.388	ug/l	# 49
28) Bromochloromethane	7.269	49	59	2.124	ug/l	# 1
31) Cyclohexane	7.863	56	8150	1.457	ug/l	# 54
36) 1,1-Dichloropropene	7.875	75	24718	4.433	ug/l	# 47
37) Ethyl Acetate	7.069	43	15889	4.965	ug/l	# 36
38) Carbon Tetrachloride	7.875	117	26721	5.085	ug/l	# 14
76) 1,2,3-Trichloropropane	12.575	75	157200	52.643	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	157200	101.686	ug/l	# 17

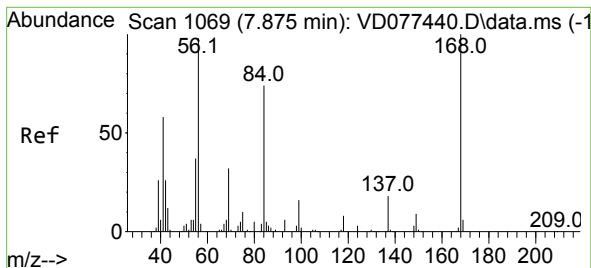
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 31 04:19:17 2023
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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: VD077465.D

Acq: 31 Oct 2023 17:09

Instrument :

MSVOA_D

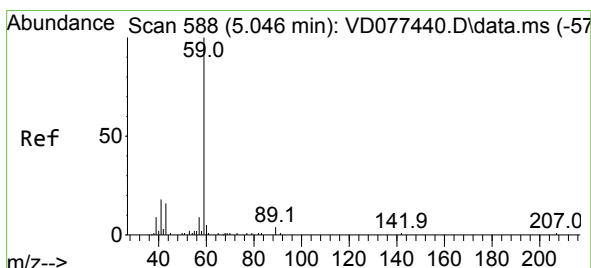
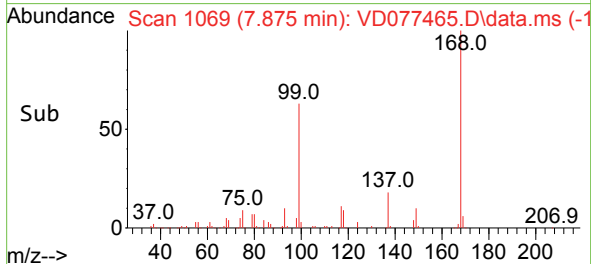
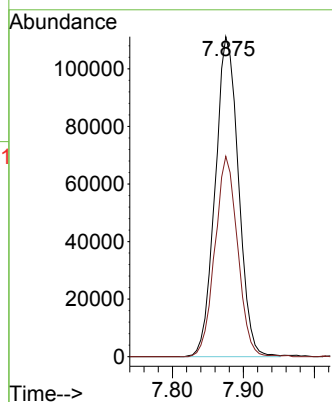
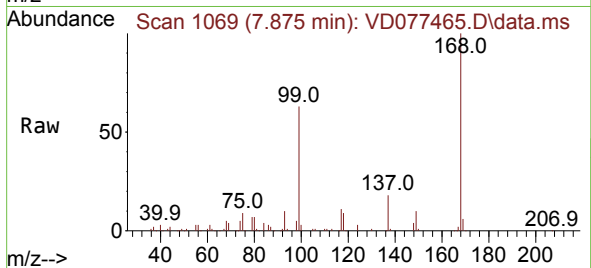
ClientSampleId :

Tgt Ion:168 Resp: 253022

Ion Ratio Lower Upper

168 100

99 62.6 36.7 55.1#



#11

Tert butyl alcohol

Concen: 24.692 ug/l

RT: 5.052 min Scan# 589

Delta R.T. 0.006 min

Lab File: VD077465.D

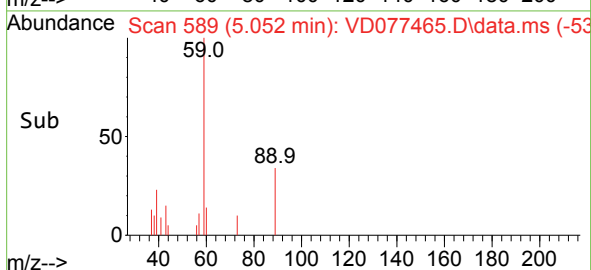
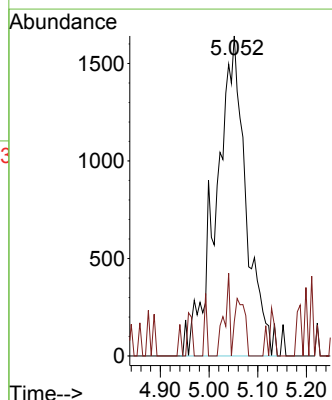
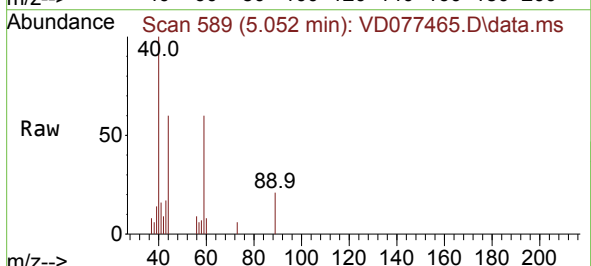
Acq: 31 Oct 2023 17:09

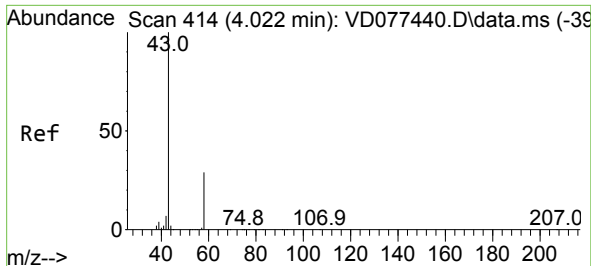
Tgt Ion: 59 Resp: 6998

Ion Ratio Lower Upper

59 100

57 6.1 7.8 11.8#

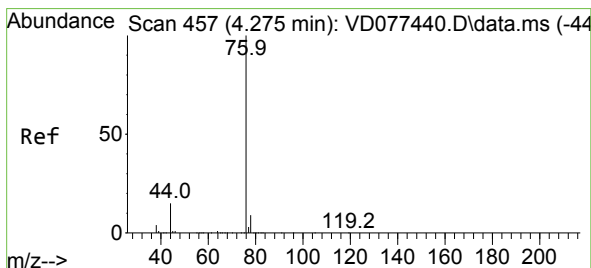
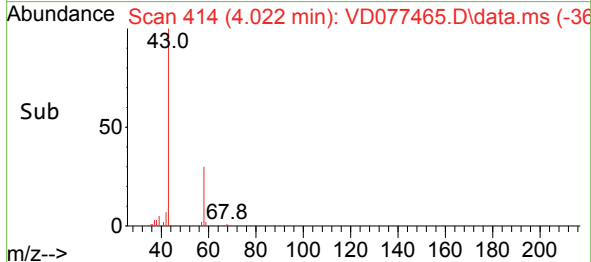
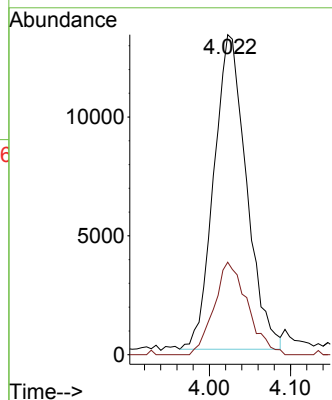
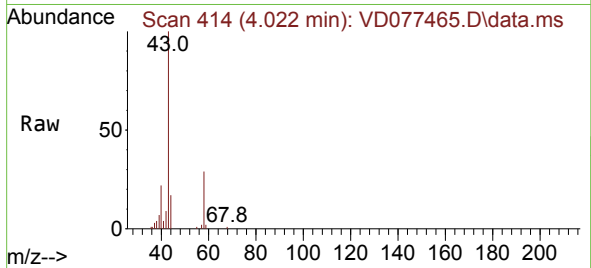




#16
Acetone
Concen: 39.089 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077465.D
Acq: 31 Oct 2023 17:09

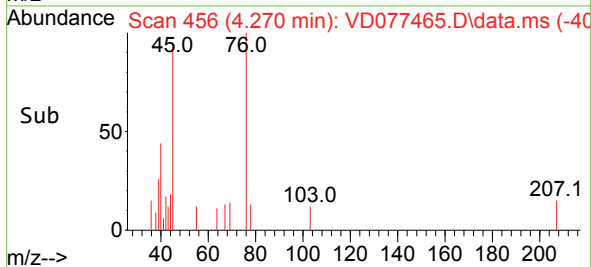
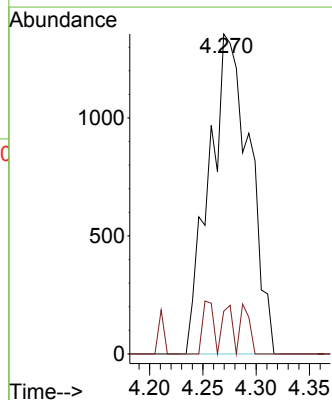
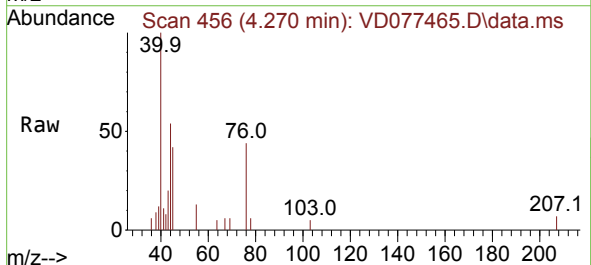
Instrument :
MSVOA_D
ClientSampleId :

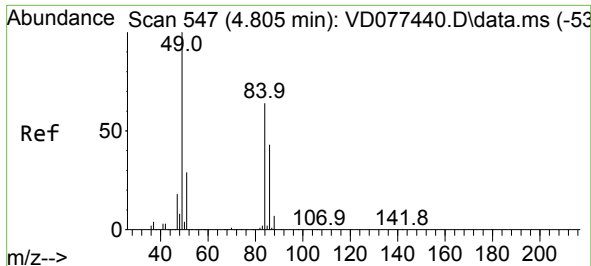
Tgt Ion: 43 Resp: 37007
Ion Ratio Lower Upper
43 100
58 29.4 34.7 52.1#



#17
Carbon Disulfide
Concen: 4.179 ug/l
RT: 4.270 min Scan# 456
Delta R.T. -0.005 min
Lab File: VD077465.D
Acq: 31 Oct 2023 17:09

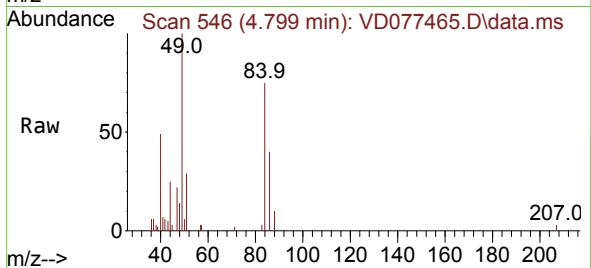
Tgt Ion: 76 Resp: 3565
Ion Ratio Lower Upper
76 100
78 13.3 6.8 10.2#



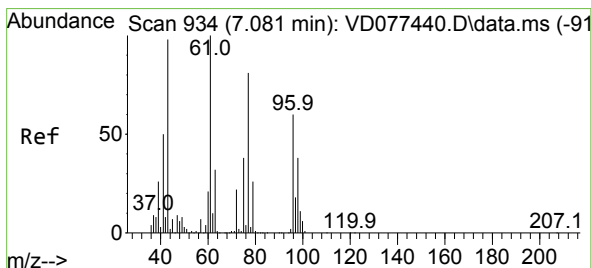
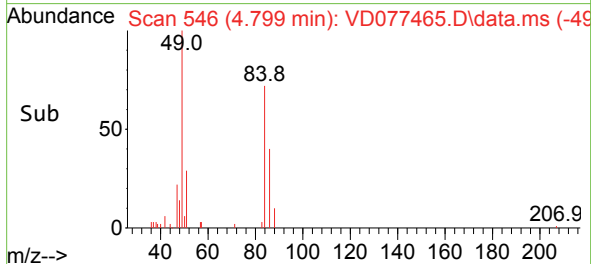
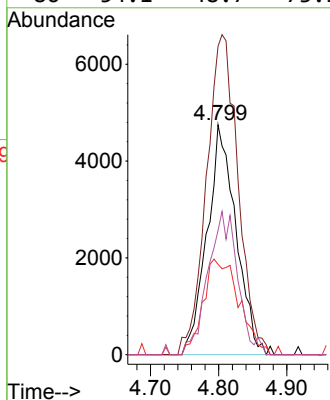


#20
Methylene Chloride
Concen: 1.606 ug/l
RT: 4.799 min Scan# 54
Delta R.T. -0.006 min
Lab File: VD077465.D
Acq: 31 Oct 2023 17:09

Instrument :
MSVOA_D
ClientSampleId :

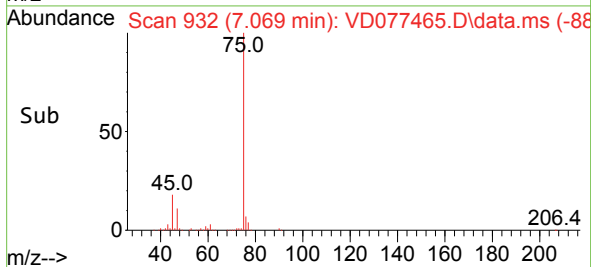
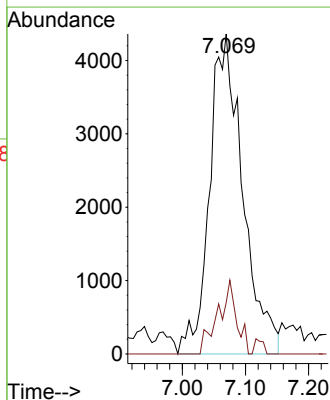
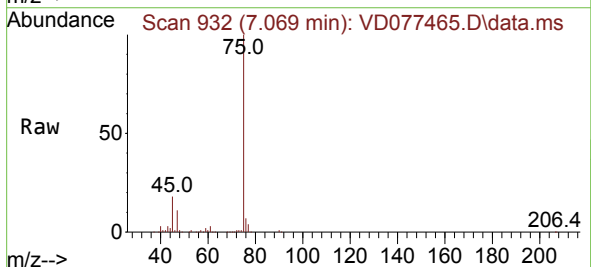


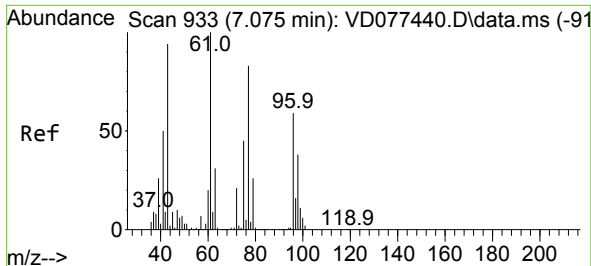
Tgt Ion:	84	Resp:	14046
Ion	Ratio	Lower	Upper
84	100		
49	134.1	71.4	107.2#
51	39.4	24.5	36.7#
86	54.1	48.7	73.1



#25
2-Butanone
Concen: 12.582 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.012 min
Lab File: VD077465.D
Acq: 31 Oct 2023 17:09

Tgt Ion:	43	Resp:	15889
Ion	Ratio	Lower	Upper
43	100		
72	16.1	30.7	46.1#

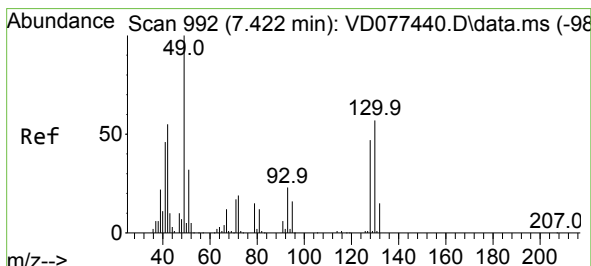
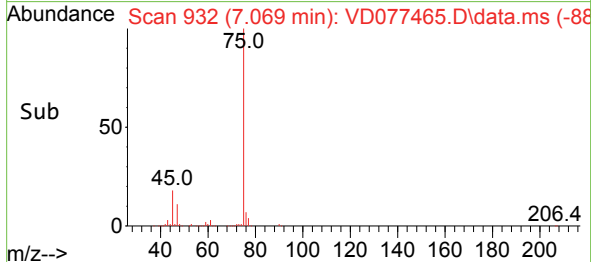
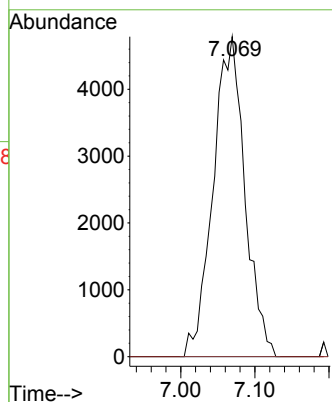
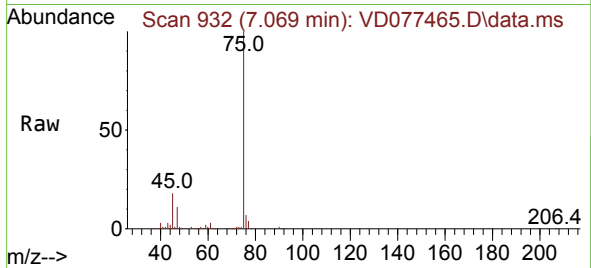




#26
2,2-Dichloropropane
Concen: 2.388 ug/l
RT: 7.069 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD077465.D
Acq: 31 Oct 2023 17:09

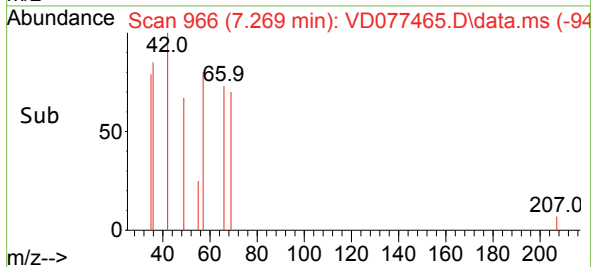
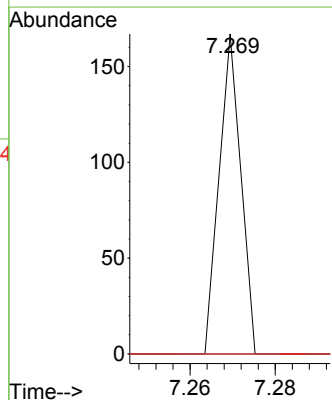
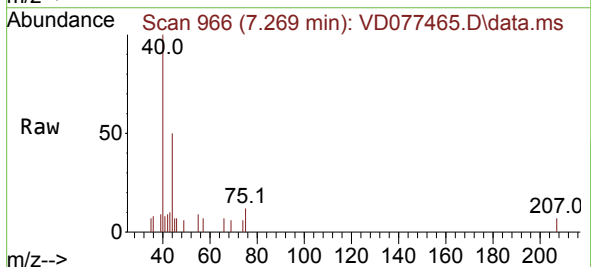
Instrument :
MSVOA_D
ClientSampleId :

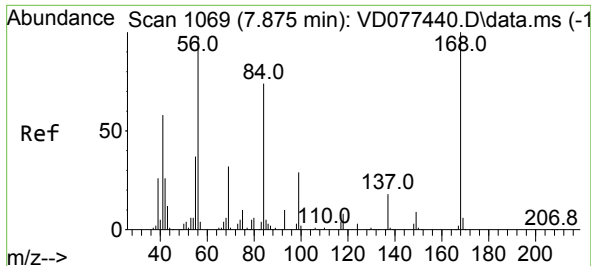
Tgt Ion: 77 Resp: 14232
Ion Ratio Lower Upper
77 100
97 0.0 13.2 39.6#



#28
Bromochloromethane
Concen: 2.124 ug/l
RT: 7.269 min Scan# 966
Delta R.T. -0.153 min
Lab File: VD077465.D
Acq: 31 Oct 2023 17:09

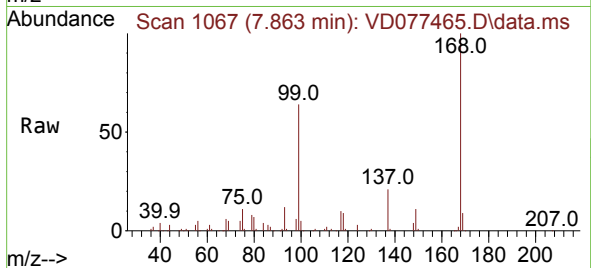
Tgt Ion: 49 Resp: 59
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#



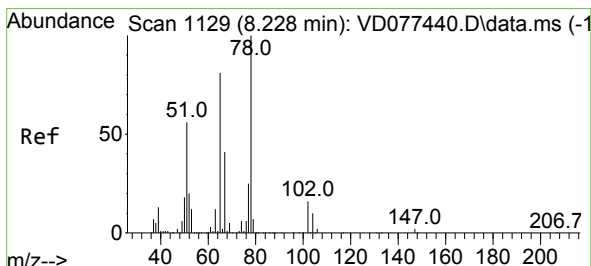
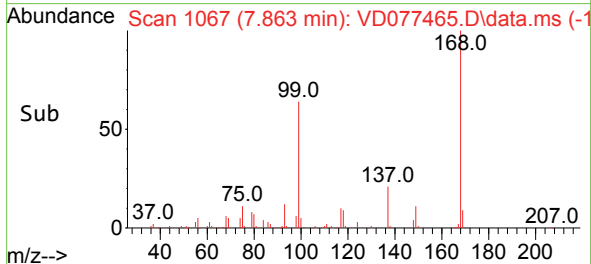
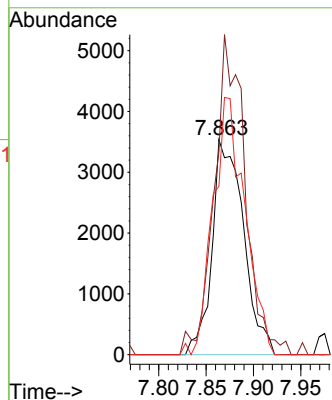


#31
Cyclohexane
Concen: 1.457 ug/l
RT: 7.863 min Scan# 1067
Delta R.T. -0.012 min
Lab File: VD077465.D
Acq: 31 Oct 2023 17:09

Instrument :
MSVOA_D
ClientSampleId :

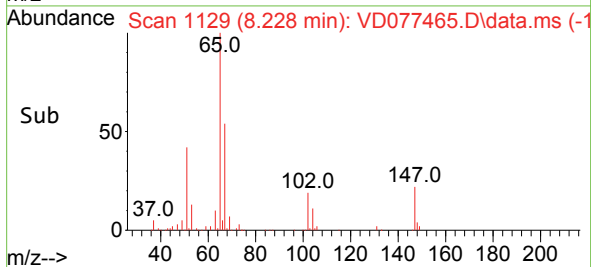
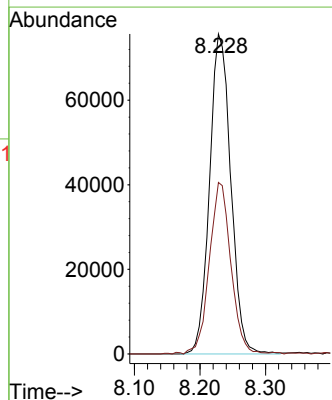
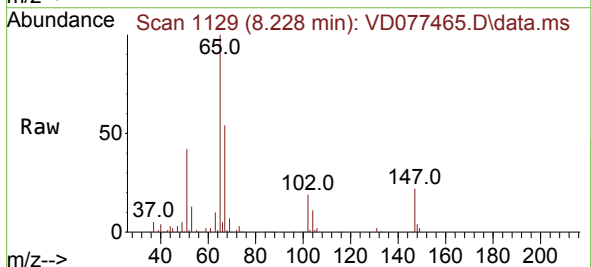


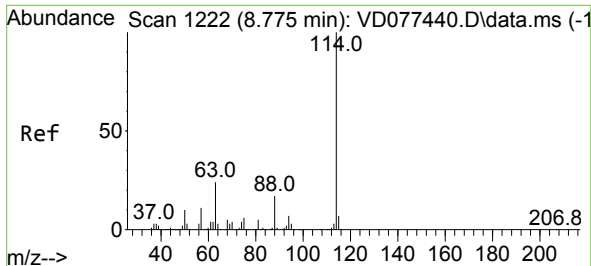
Tgt Ion: 56 Resp: 8150
Ion Ratio Lower Upper
56 100
69 89.4 28.6 43.0#
84 74.2 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 47.621 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD077465.D
Acq: 31 Oct 2023 17:09

Tgt Ion: 65 Resp: 170382
Ion Ratio Lower Upper
65 100
67 54.3 0.0 115.0

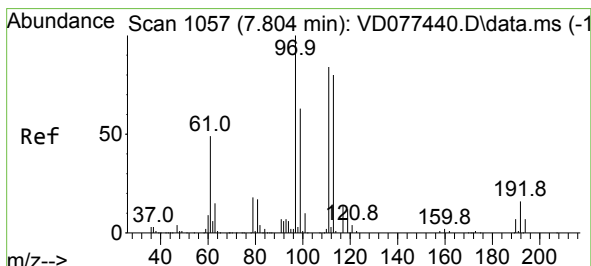
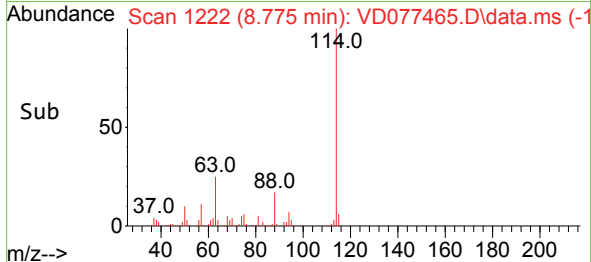
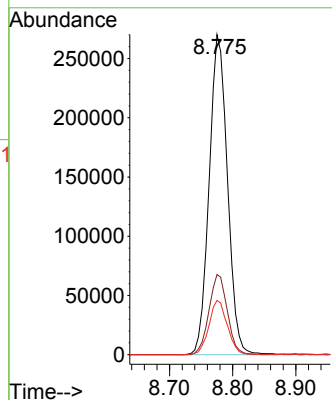
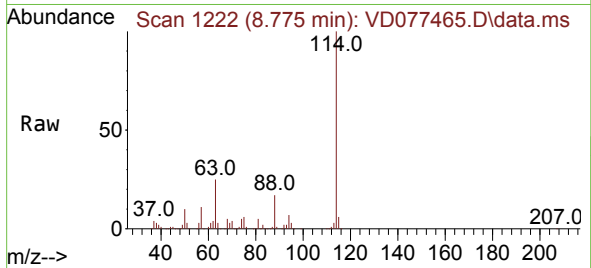




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077465.D
Acq: 31 Oct 2023 17:09

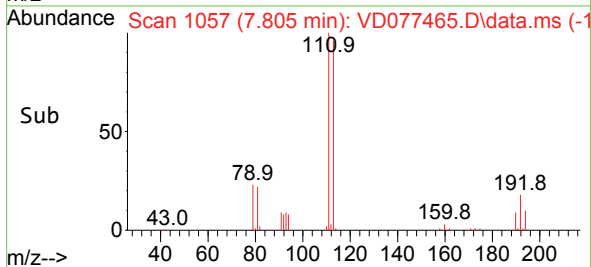
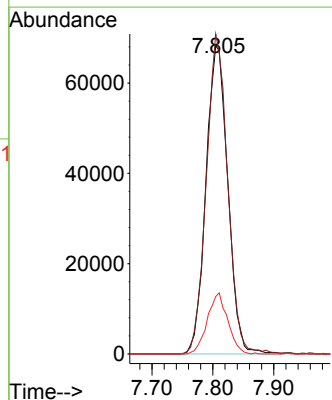
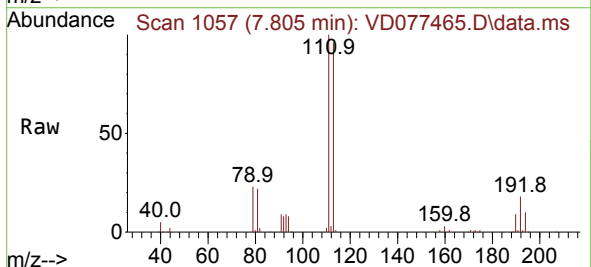
Instrument :
MSVOA_D
ClientSampleId :

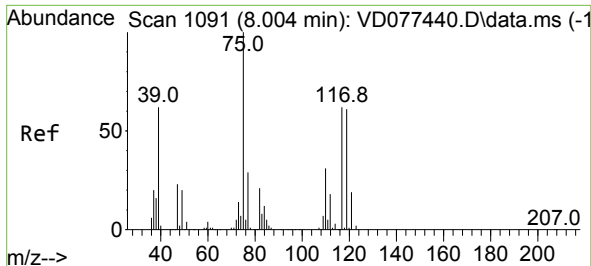
Tgt Ion:114 Resp: 544124
Ion Ratio Lower Upper
114 100
63 25.0 0.0 33.4
88 17.0 0.0 26.2



#35
Dibromofluoromethane
Concen: 45.322 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077465.D
Acq: 31 Oct 2023 17:09

Tgt Ion:113 Resp: 170445
Ion Ratio Lower Upper
113 100
111 101.5 84.7 127.1
192 18.5 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.433 ug/l

RT: 7.875 min Scan# 1091

Delta R.T. -0.129 min

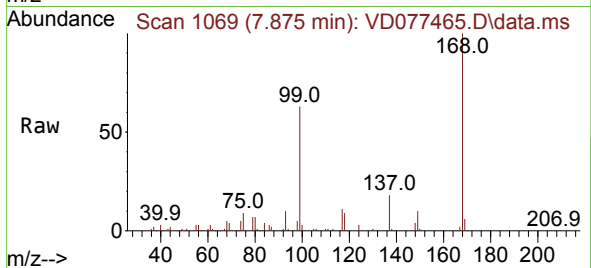
Lab File: VD077465.D

Acq: 31 Oct 2023 17:09

Instrument :

MSVOA_D

ClientSampleId :



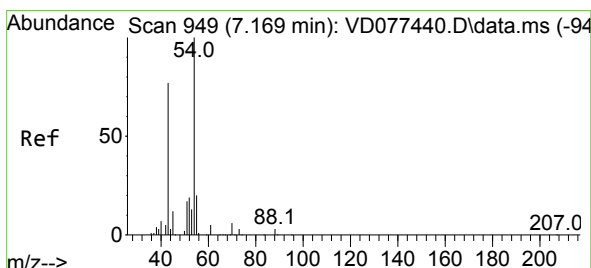
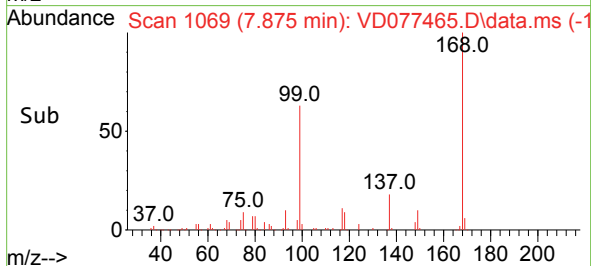
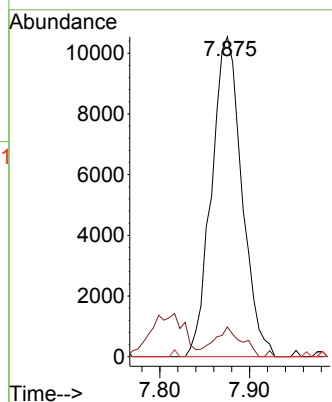
Tgt Ion: 75 Resp: 24718

Ion Ratio Lower Upper

75 100

110 8.5 19.9 59.6#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 4.965 ug/l

RT: 7.069 min Scan# 932

Delta R.T. -0.100 min

Lab File: VD077465.D

Acq: 31 Oct 2023 17:09

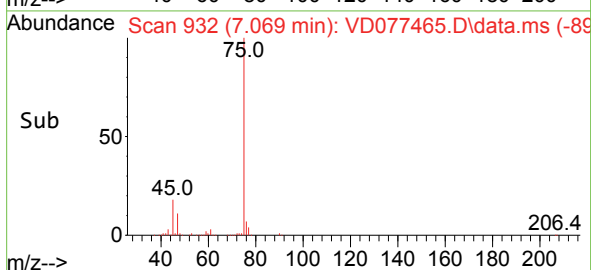
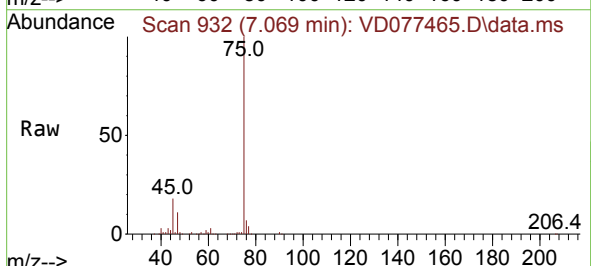
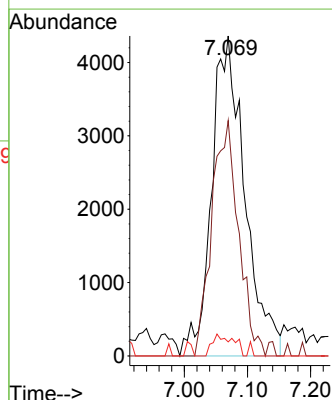
Tgt Ion: 43 Resp: 15889

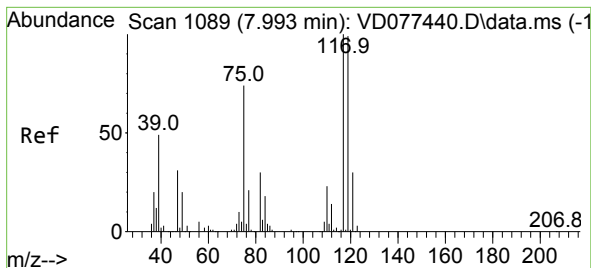
Ion Ratio Lower Upper

43 100

61 59.3 14.9 22.3#

70 2.9 10.0 15.0#





#38

Carbon Tetrachloride

Concen: 5.085 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.117 min

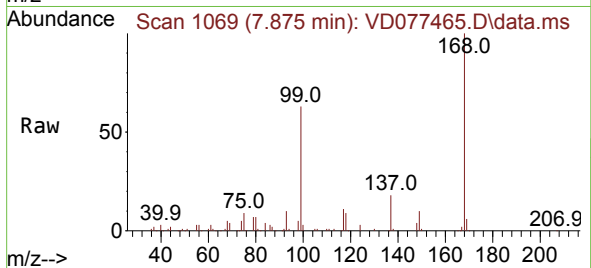
Lab File: VD077465.D

Acq: 31 Oct 2023 17:09

Instrument :

MSVOA_D

ClientSampleId :



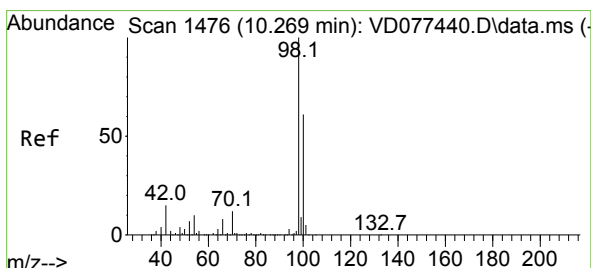
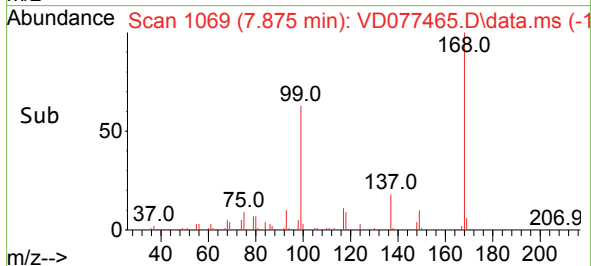
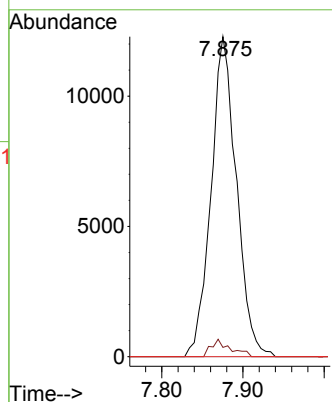
Tgt Ion:117 Resp: 26721

Ion Ratio Lower Upper

117 100

119 2.9 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 49.313 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077465.D

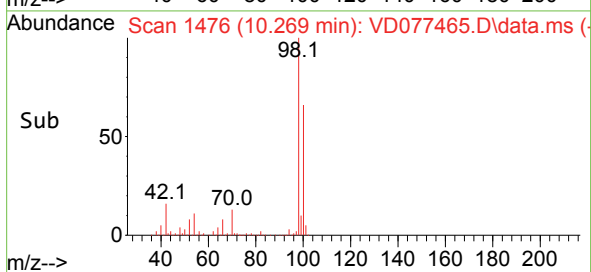
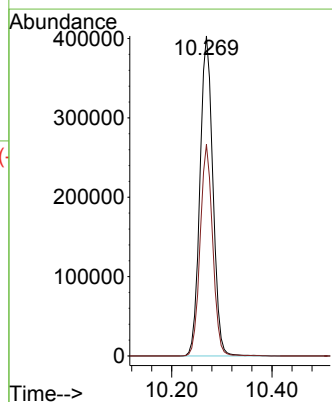
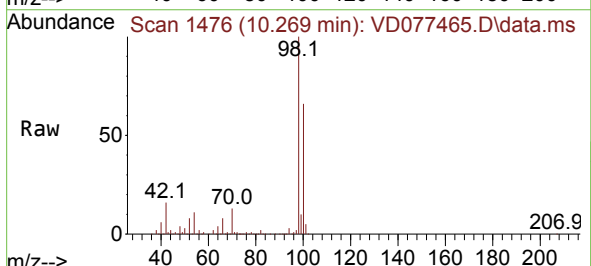
Acq: 31 Oct 2023 17:09

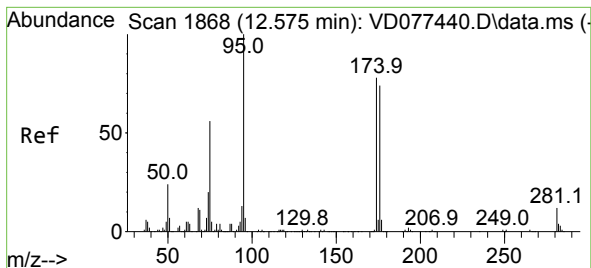
Tgt Ion: 98 Resp: 720351

Ion Ratio Lower Upper

98 100

100 64.1 50.3 75.5

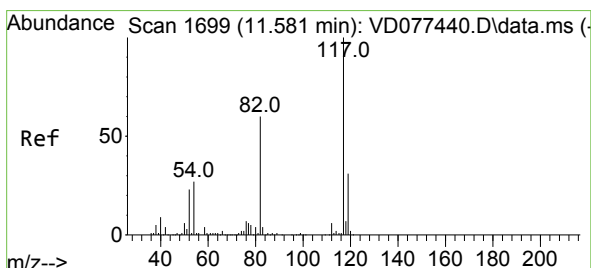
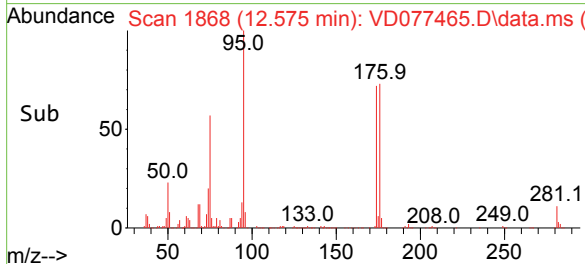
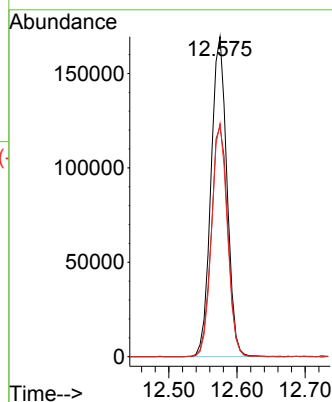
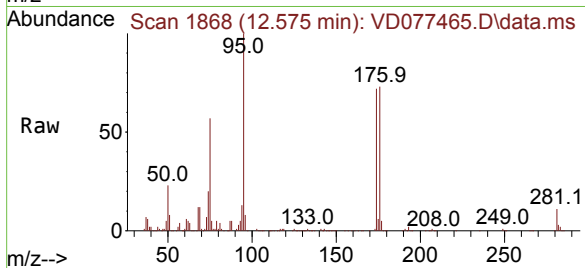




#62
4-Bromofluorobenzene
Concen: 56.026 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077465.D
Acq: 31 Oct 2023 17:09

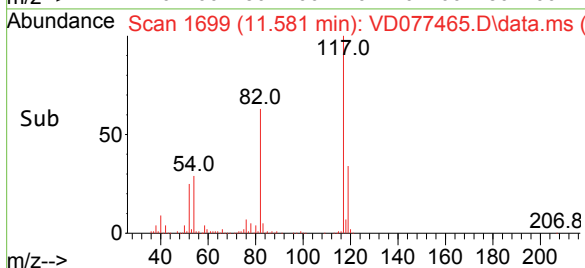
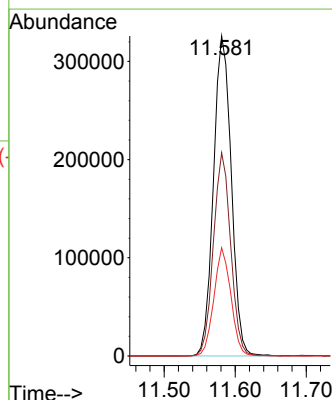
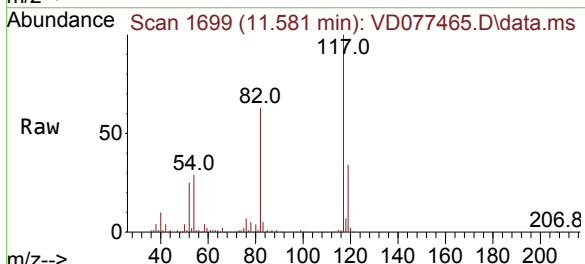
Instrument :
MSVOA_D
ClientSampleId :

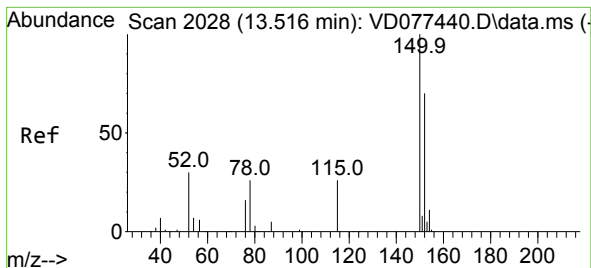
Tgt Ion: 95 Resp: 275650
Ion Ratio Lower Upper
95 100
174 74.5 0.0 201.8
176 71.8 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077465.D
Acq: 31 Oct 2023 17:09

Tgt Ion: 117 Resp: 567681
Ion Ratio Lower Upper
117 100
82 63.5 38.3 57.5#
119 33.8 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: VD077465.D

Acq: 31 Oct 2023 17:09

Instrument :

MSVOA_D

ClientSampleId :

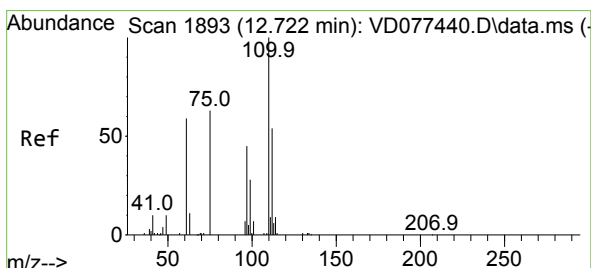
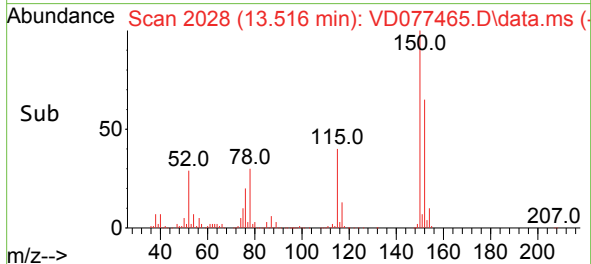
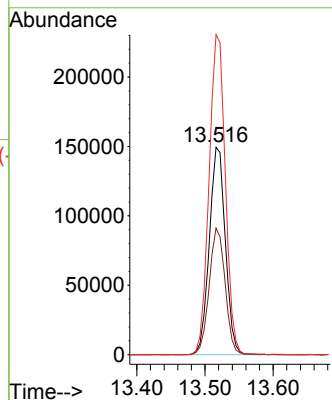
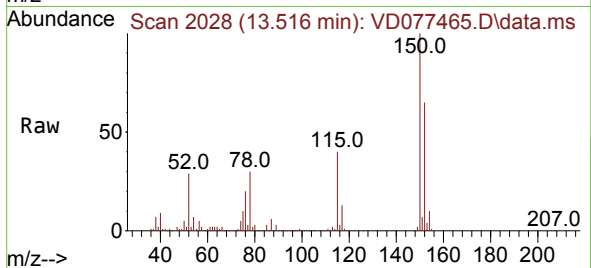
Tgt Ion:152 Resp: 245352

Ion Ratio Lower Upper

152 100

115 60.6 27.1 81.3

150 156.3 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 52.643 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077465.D

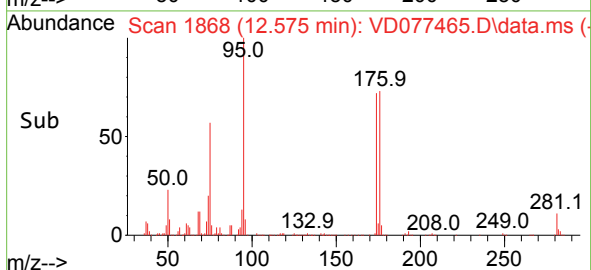
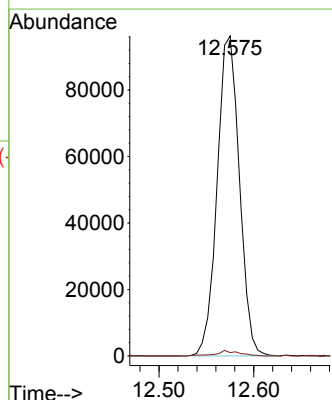
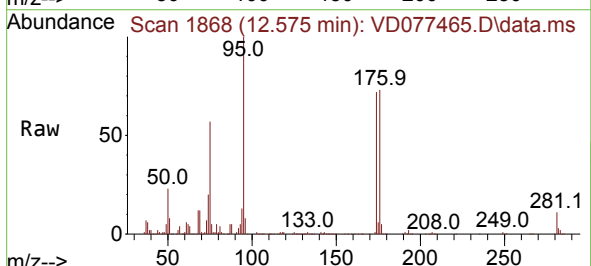
Acq: 31 Oct 2023 17:09

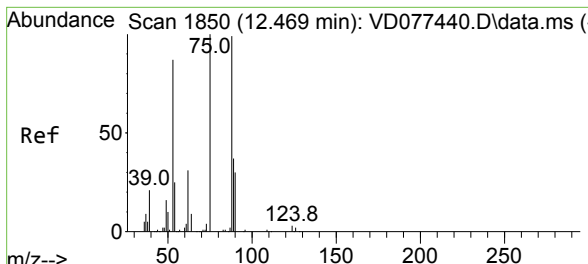
Tgt Ion: 75 Resp: 157200

Ion Ratio Lower Upper

75 100

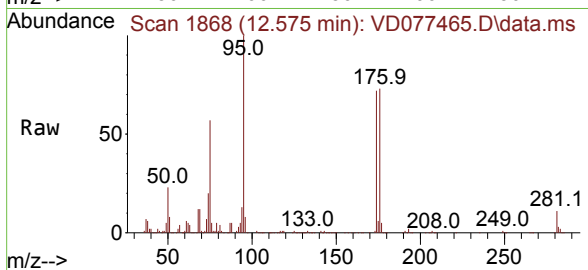
77 1.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.686 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD077465.D
 Acq: 31 Oct 2023 17:09

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 157200
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.0 94.4#
 89 0.0 37.9 56.9#

