

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121323\
 Data File : VD077869.D
 Acq On : 13 Dec 2023 18:19
 Operator : RP/MD
 Sample : 05611-04
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 01:55:47 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)

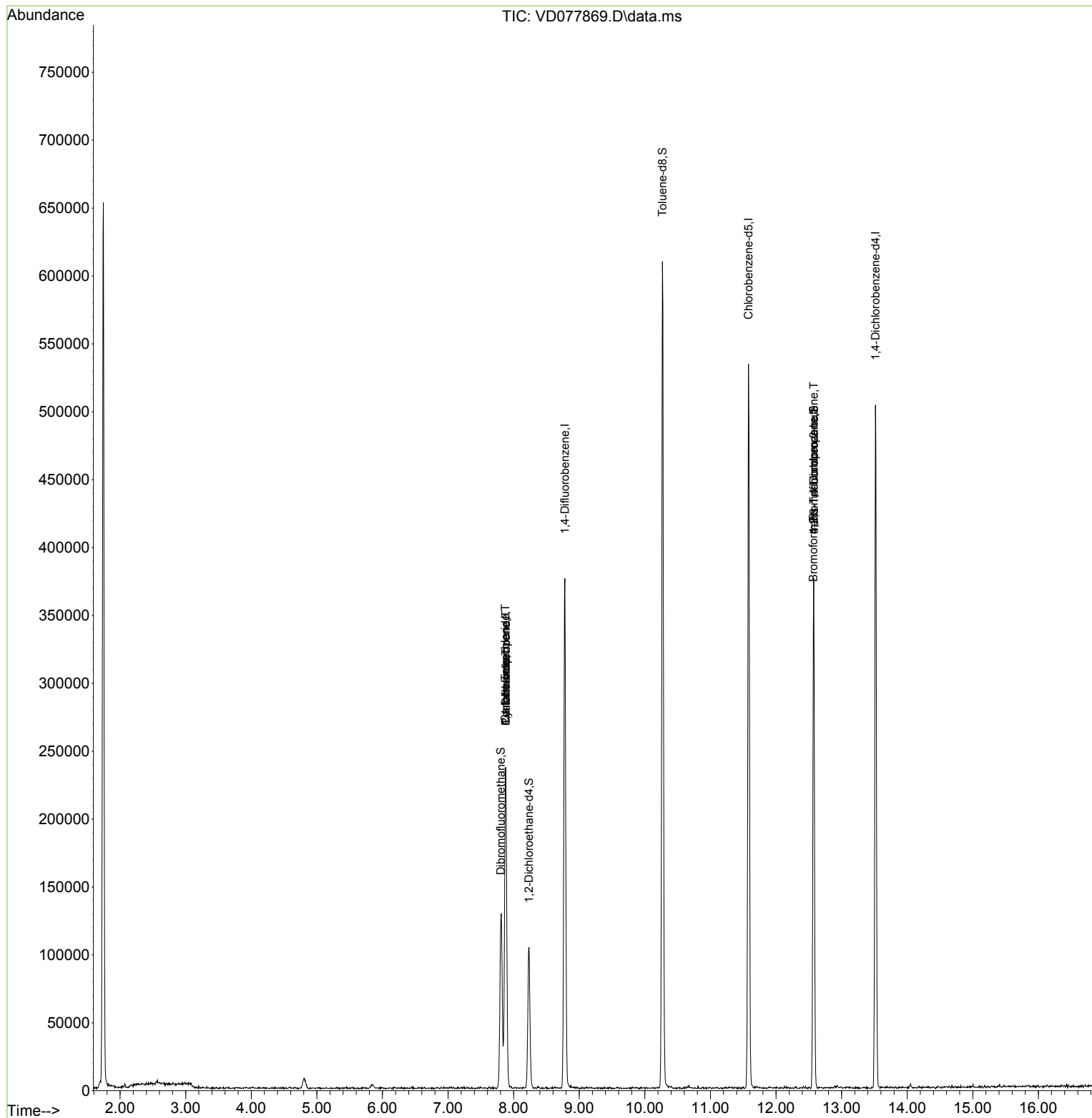
Internal Standards						
1) Pentafluorobenzene	7.881	168	187827	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	330197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	307421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	133316	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	78676	35.547	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	71.100%
35) Dibromofluoromethane	7.804	113	94530	40.871	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.740%
50) Toluene-d8	10.269	98	419947	45.333	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.660%
62) 4-Bromofluorobenzene	12.575	95	113854	41.109	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.220%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.075	59	54	Below Cal	#	73
16) Acetone	4.111	43	60	Below Cal	#	32
20) Methylene Chloride	4.805	84	5723	Below Cal	#	90
25) 2-Butanone	7.081	43	59	Below Cal	#	37
31) Cyclohexane	7.881	56	4543	1.154	ug/l #	68
36) 1,1-Dichloropropene	7.881	75	14286	3.861	ug/l #	48
38) Carbon Tetrachloride	7.875	117	19172	5.198	ug/l #	14
65) Chlorobenzene	11.610	112	228	Below Cal	#	43
71) Bromoform	12.569	173	1580	1.183	ug/l #	28
76) 1,2,3-Trichloropropane	12.575	75	60538	52.285	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	60538	105.932	ug/l #	17
88) 1,4-Dichlorobenzene	13.545	146	334	Below Cal	#	26
92) 1,2-Dibromo-3-Chloropr...	14.710	75	59	Below Cal	#	1

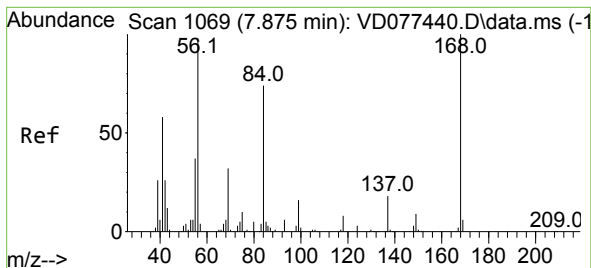
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077869.D

Acq: 13 Dec 2023 18:19

Instrument :

MSVOA_D

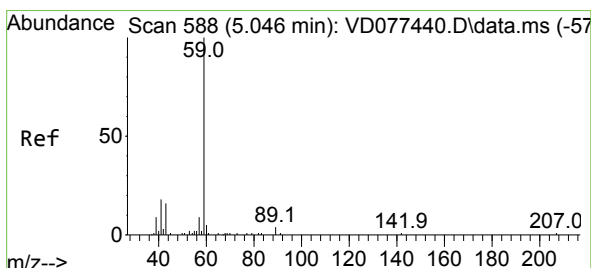
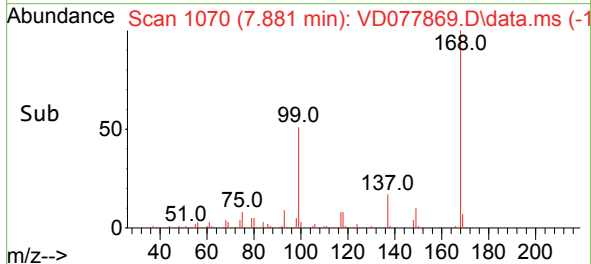
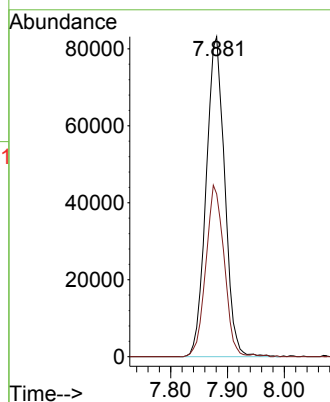
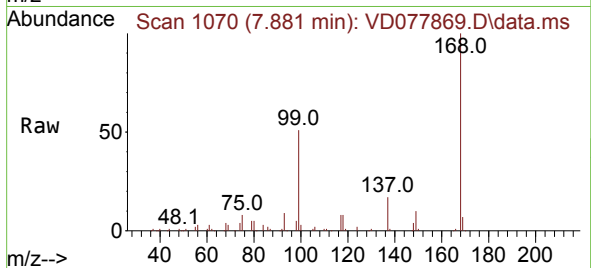
ClientSampleId :

Tgt Ion:168 Resp: 187827

Ion Ratio Lower Upper

168 100

99 50.8 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.075 min Scan# 593

Delta R.T. 0.029 min

Lab File: VD077869.D

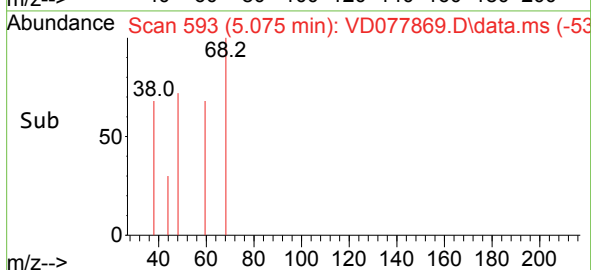
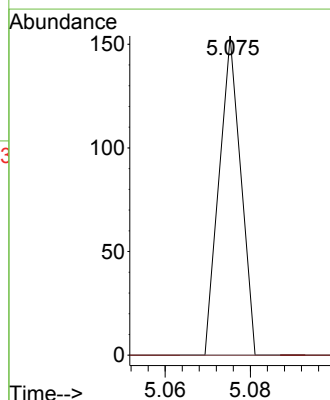
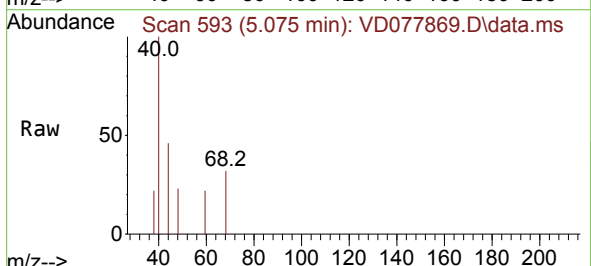
Acq: 13 Dec 2023 18:19

Tgt Ion: 59 Resp: 54

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

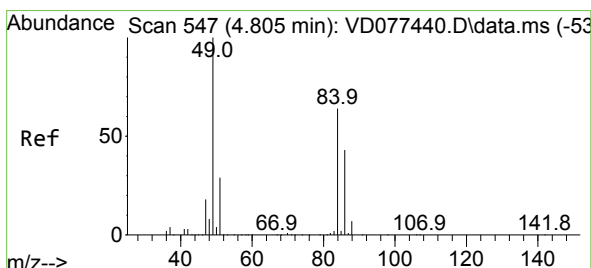
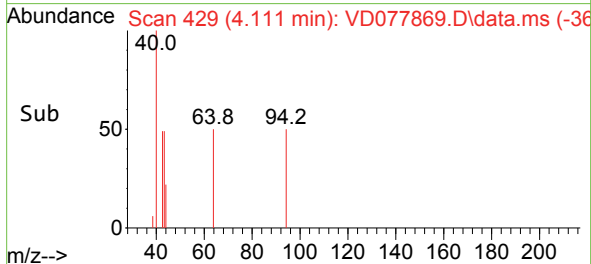
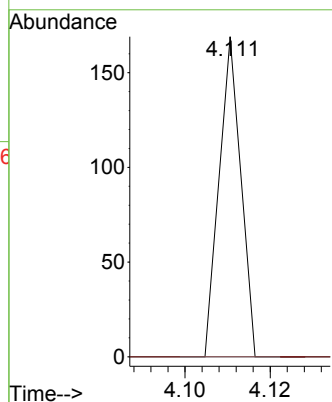
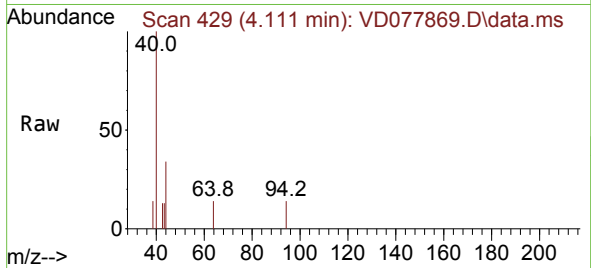




#16
Acetone
Concen: Below Cal
RT: 4.111 min Scan# 414
Delta R.T. 0.089 min
Lab File: VD077869.D
Acq: 13 Dec 2023 18:19

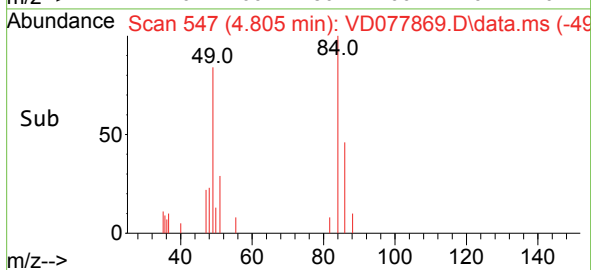
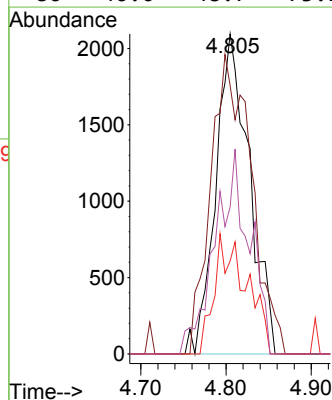
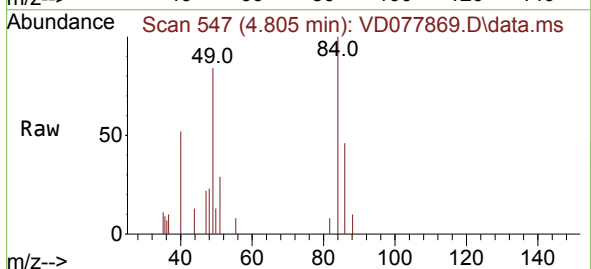
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD077869.D
Acq: 13 Dec 2023 18:19

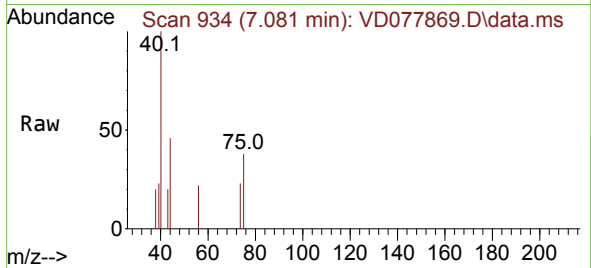
Tgt Ion: 84 Resp: 5723
Ion Ratio Lower Upper
84 100
49 83.9 71.4 107.2
51 29.1 24.5 36.7
86 46.0 48.7 73.1#



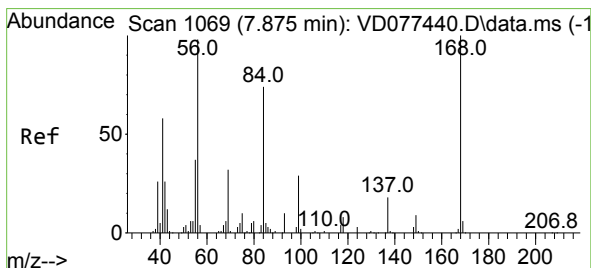
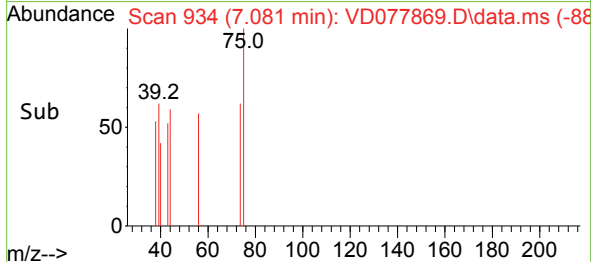
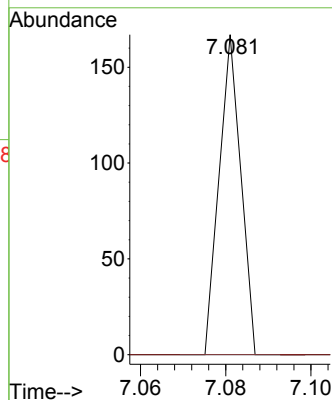


#25
2-Butanone
Concen: Below Cal
RT: 7.081 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD077869.D
Acq: 13 Dec 2023 18:19

Instrument :
MSVOA_D
ClientSampleId :

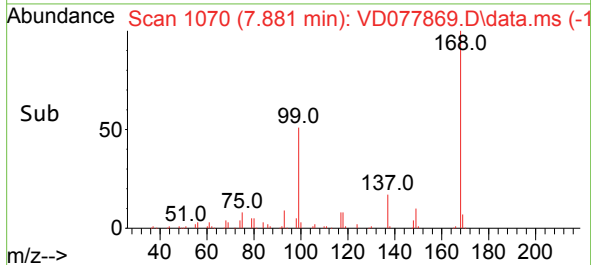
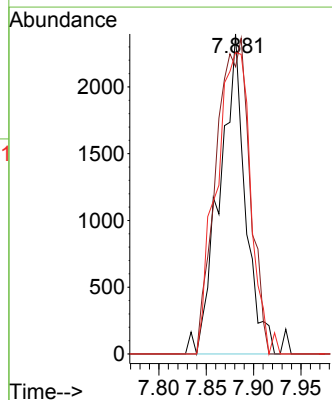
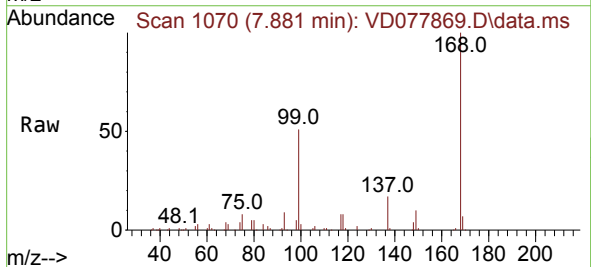


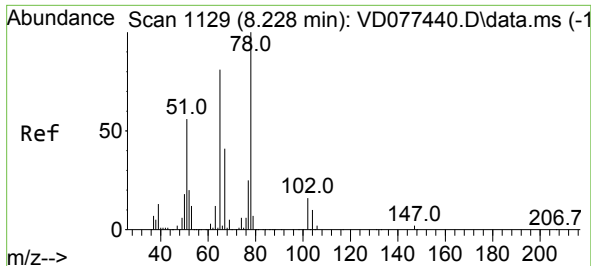
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.154 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD077869.D
Acq: 13 Dec 2023 18:19

Tgt Ion: 56 Resp: 4543
Ion Ratio Lower Upper
56 100
69 89.7 28.6 43.0#
84 94.2 84.8 127.2

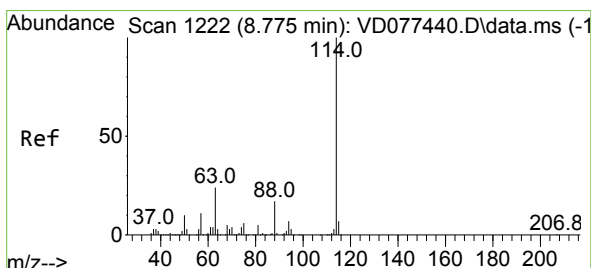
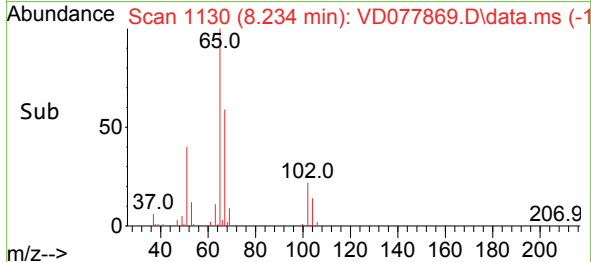
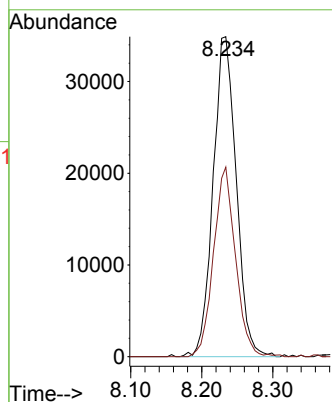
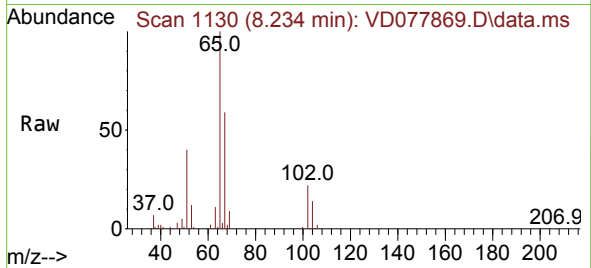




#33
 1,2-Dichloroethane-d4
 Concen: 35.547 ug/l
 RT: 8.234 min Scan# 1129
 Delta R.T. 0.006 min
 Lab File: VD077869.D
 Acq: 13 Dec 2023 18:19

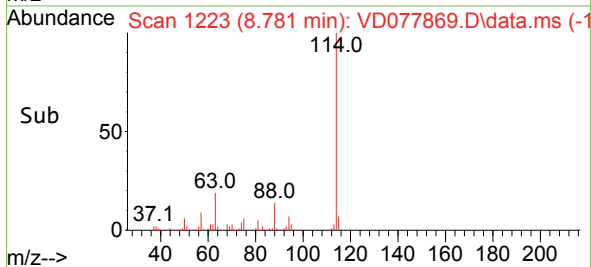
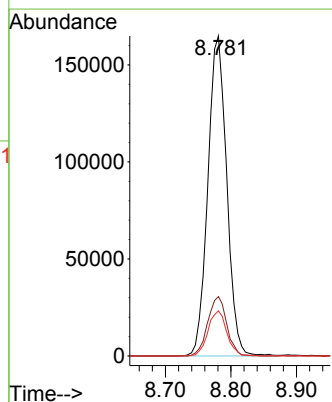
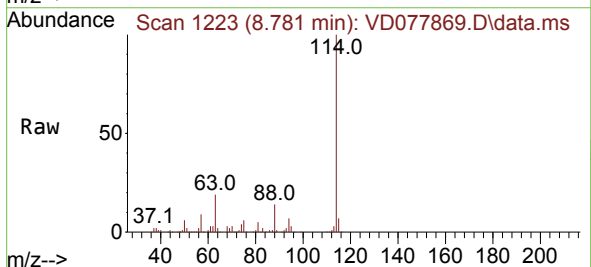
Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 65 Resp: 78676
 Ion Ratio Lower Upper
 65 100
 67 56.5 0.0 115.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.781 min Scan# 1223
 Delta R.T. 0.006 min
 Lab File: VD077869.D
 Acq: 13 Dec 2023 18:19

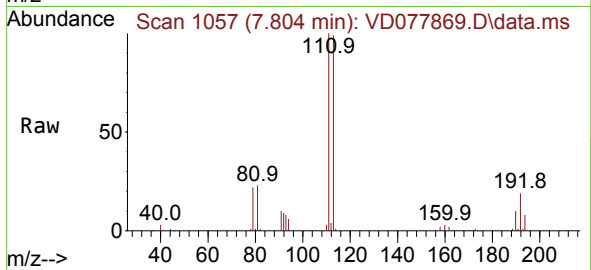
Tgt Ion: 114 Resp: 330197
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 33.4
 88 14.1 0.0 26.2



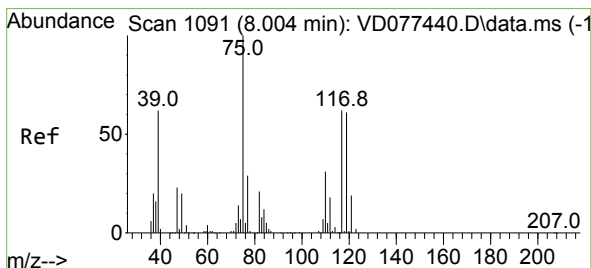
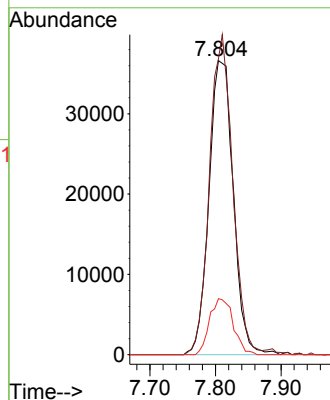
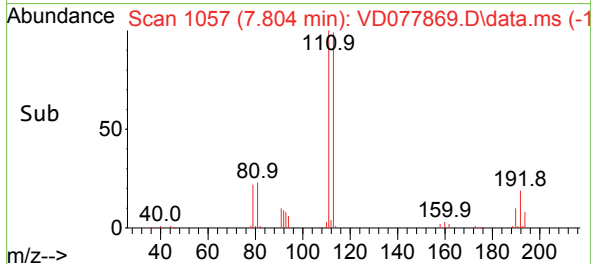


#35
Dibromofluoromethane
Concen: 40.871 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077869.D
Acq: 13 Dec 2023 18:19

Instrument :
MSVOA_D
ClientSampleId :

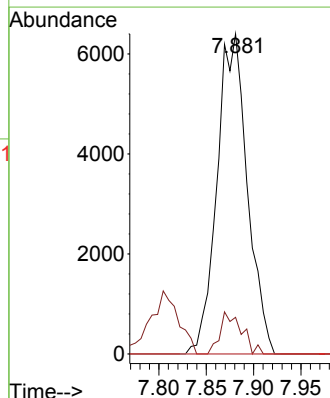
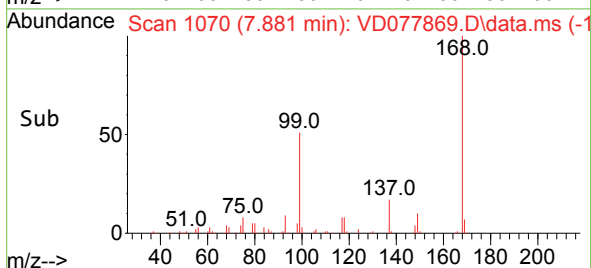
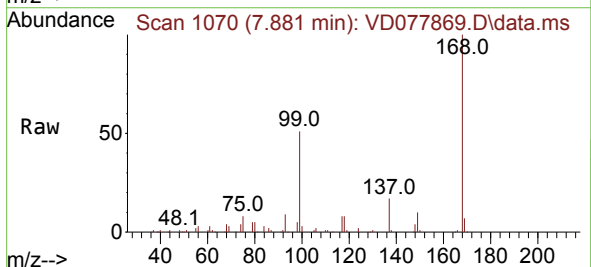


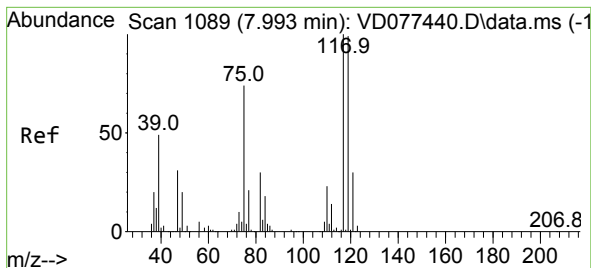
Tgt Ion:113 Resp: 94530
Ion Ratio Lower Upper
113 100
111 103.4 84.7 127.1
192 18.5 16.8 25.2



#36
1,1-Dichloropropene
Concen: 3.861 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.123 min
Lab File: VD077869.D
Acq: 13 Dec 2023 18:19

Tgt Ion: 75 Resp: 14286
Ion Ratio Lower Upper
75 100
110 9.3 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.198 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

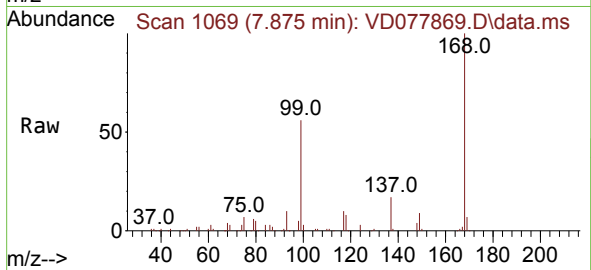
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Acq: 13 Dec 2023 18:19

Instrument :

MSVOA_D

ClientSampleId :



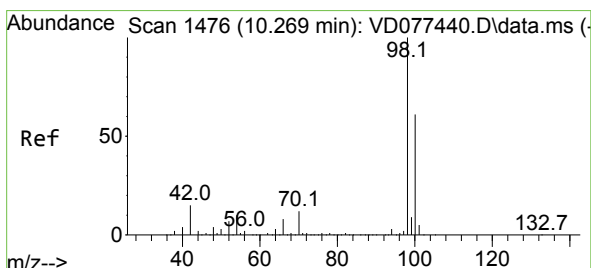
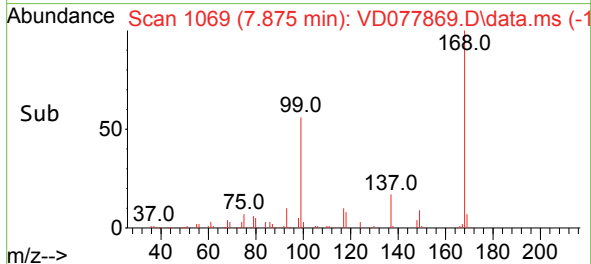
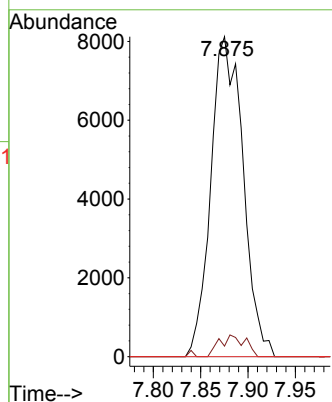
Tgt Ion:117 Resp: 19172

Ion Ratio Lower Upper

117 100

119 3.3 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 45.333 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077869.D

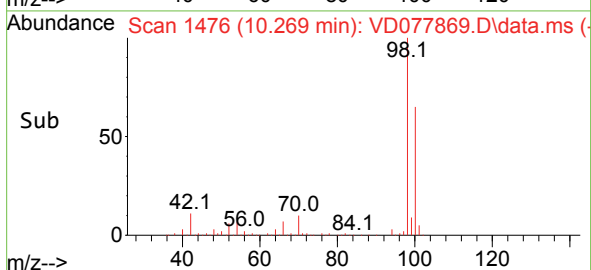
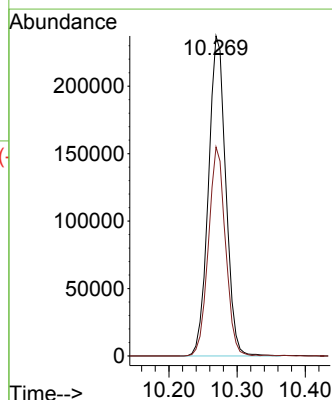
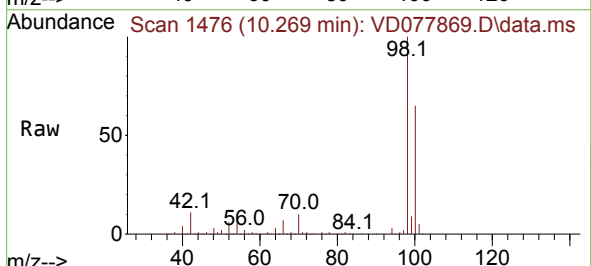
Acq: 13 Dec 2023 18:19

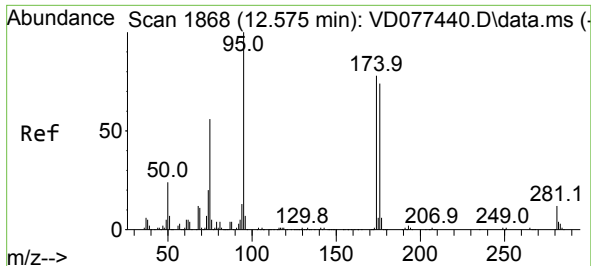
Tgt Ion: 98 Resp: 419947

Ion Ratio Lower Upper

98 100

100 64.1 50.3 75.5

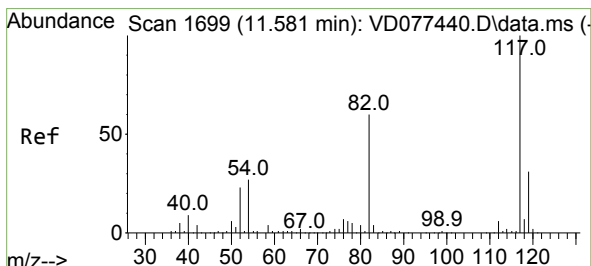
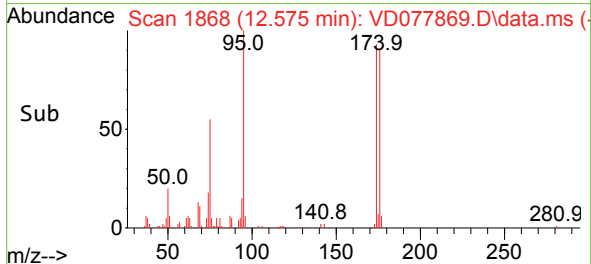
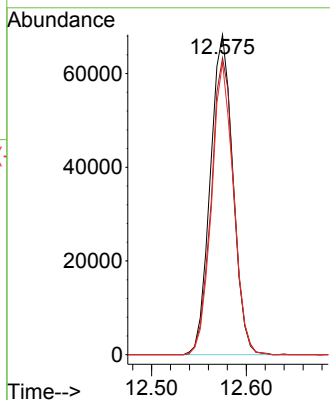
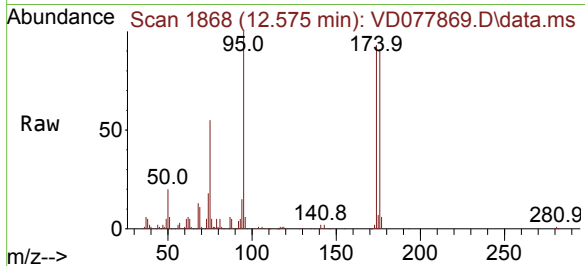




#62
4-Bromofluorobenzene
Concen: 41.109 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077869.D
Acq: 13 Dec 2023 18:19

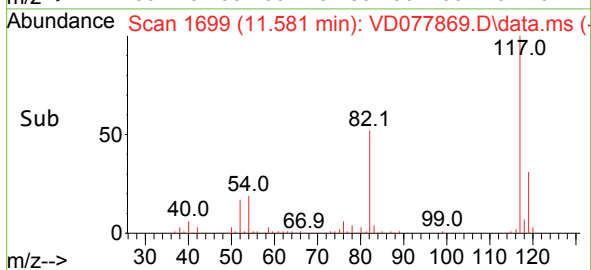
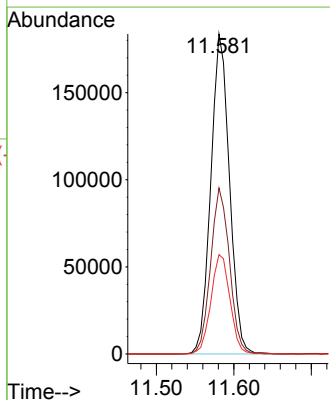
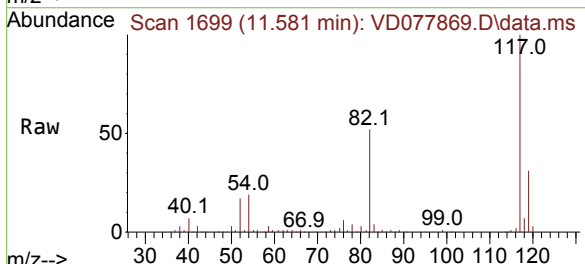
Instrument :
MSVOA_D
ClientSampleId :

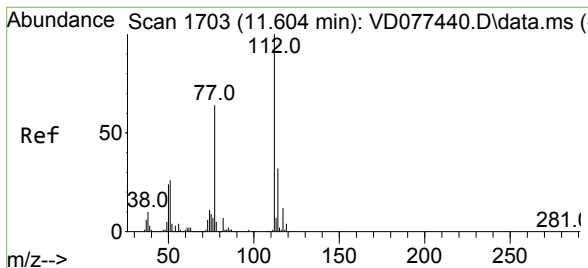
Tgt Ion: 95 Resp: 113854
Ion Ratio Lower Upper
95 100
174 91.7 0.0 201.8
176 88.2 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077869.D
Acq: 13 Dec 2023 18:19

Tgt Ion: 117 Resp: 307421
Ion Ratio Lower Upper
117 100
82 51.8 38.3 57.5
119 31.1 25.0 37.4





#65

Chlorobenzene

Concen: Below Cal

RT: 11.610 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077869.D

Acq: 13 Dec 2023 18:19

Instrument :

MSVOA_D

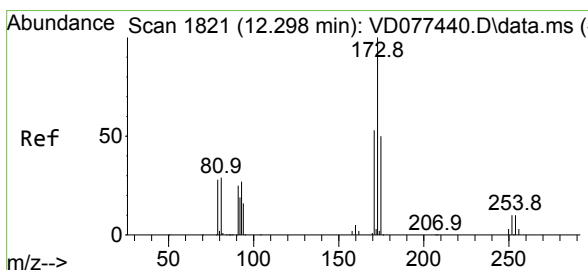
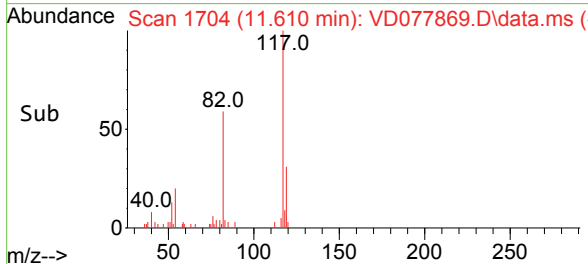
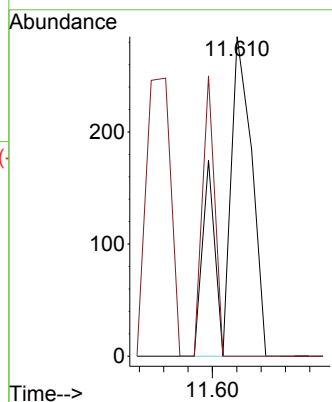
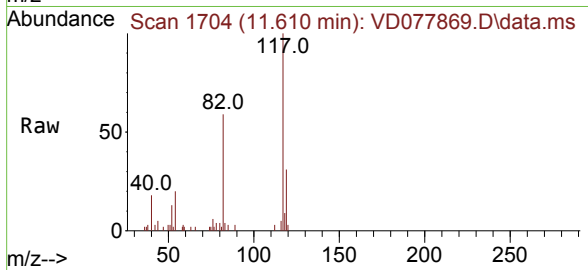
ClientSampleId :

Tgt Ion:112 Resp: 228

Ion Ratio Lower Upper

112 100

114 0.0 25.1 37.7#



#71

Bromoform

Concen: 1.183 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.271 min

Lab File: VD077869.D

Acq: 13 Dec 2023 18:19

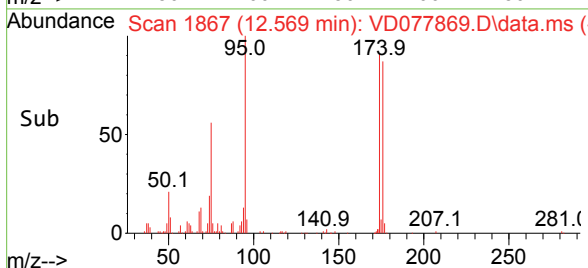
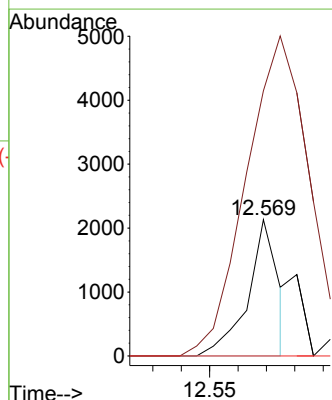
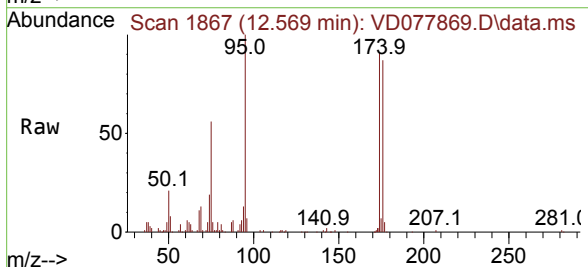
Tgt Ion:173 Resp: 1580

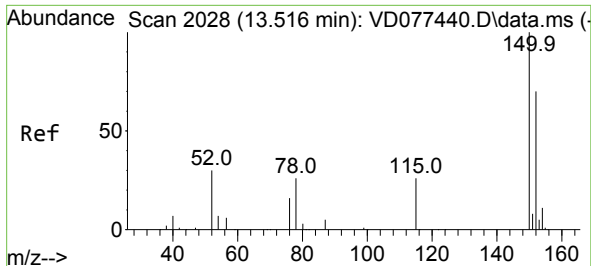
Ion Ratio Lower Upper

173 100

175 0.0 24.6 73.8#

254 0.0 0.0 0.0

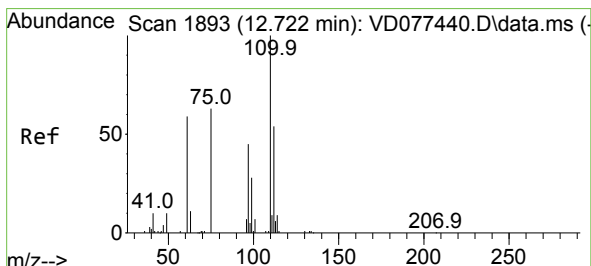
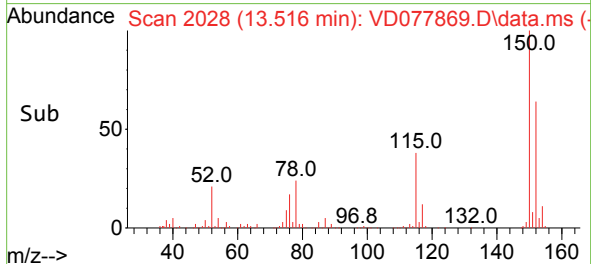
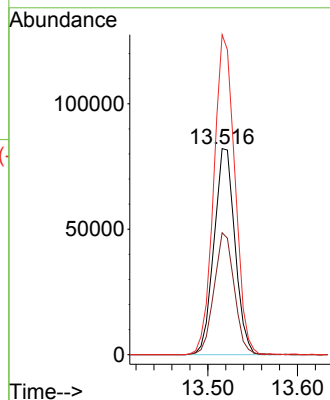
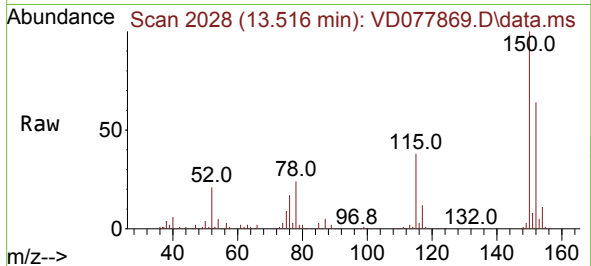




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2028
 Delta R.T. -0.000 min
 Lab File: VD077869.D
 Acq: 13 Dec 2023 18:19

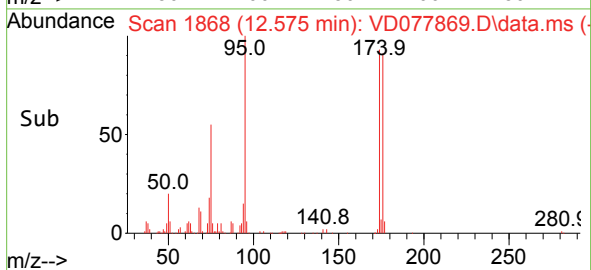
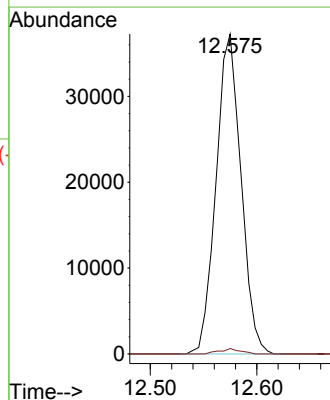
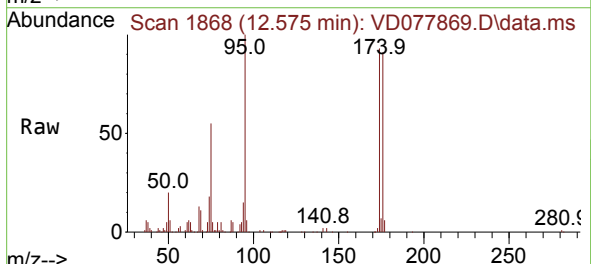
Instrument :
 MSVOA_D
 ClientSampleId :

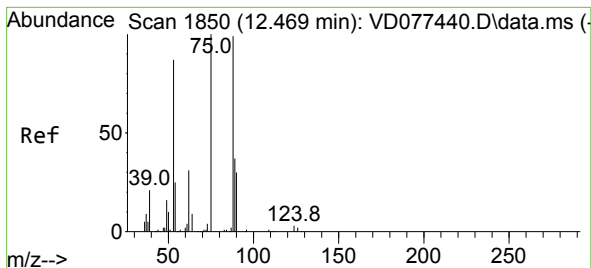
Tgt Ion:152 Resp: 133316
 Ion Ratio Lower Upper
 152 100
 115 57.0 27.1 81.3
 150 156.5 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 52.285 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD077869.D
 Acq: 13 Dec 2023 18:19

Tgt Ion: 75 Resp: 60538
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

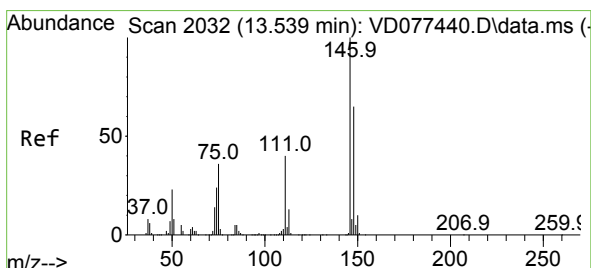
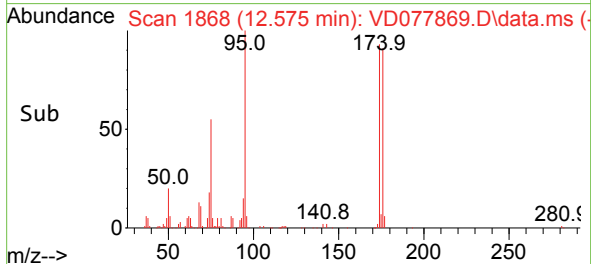
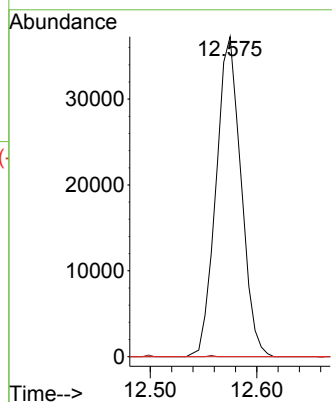
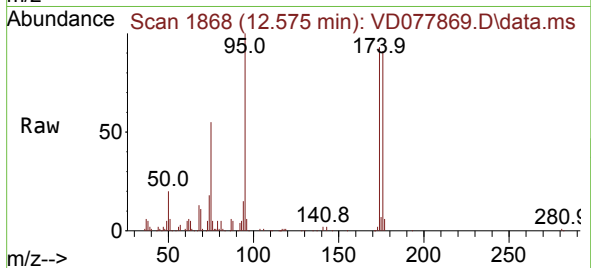




#81
trans-1,4-Dichloro-2-butene
Concen: 105.932 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077869.D
Acq: 13 Dec 2023 18:19

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 60538
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: 13.545 min Scan# 2033
Delta R.T. 0.006 min
Lab File: VD077869.D
Acq: 13 Dec 2023 18:19

Tgt Ion:146 Resp: 334
Ion Ratio Lower Upper
146 100
111 0.0 17.4 52.3#
148 0.0 31.7 95.1#

