

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD078014.D
 Acq On : 21 Dec 2023 01:46
 Operator : RP/MD
 Sample : 05876-04
 Misc : 4.13G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 05:33:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

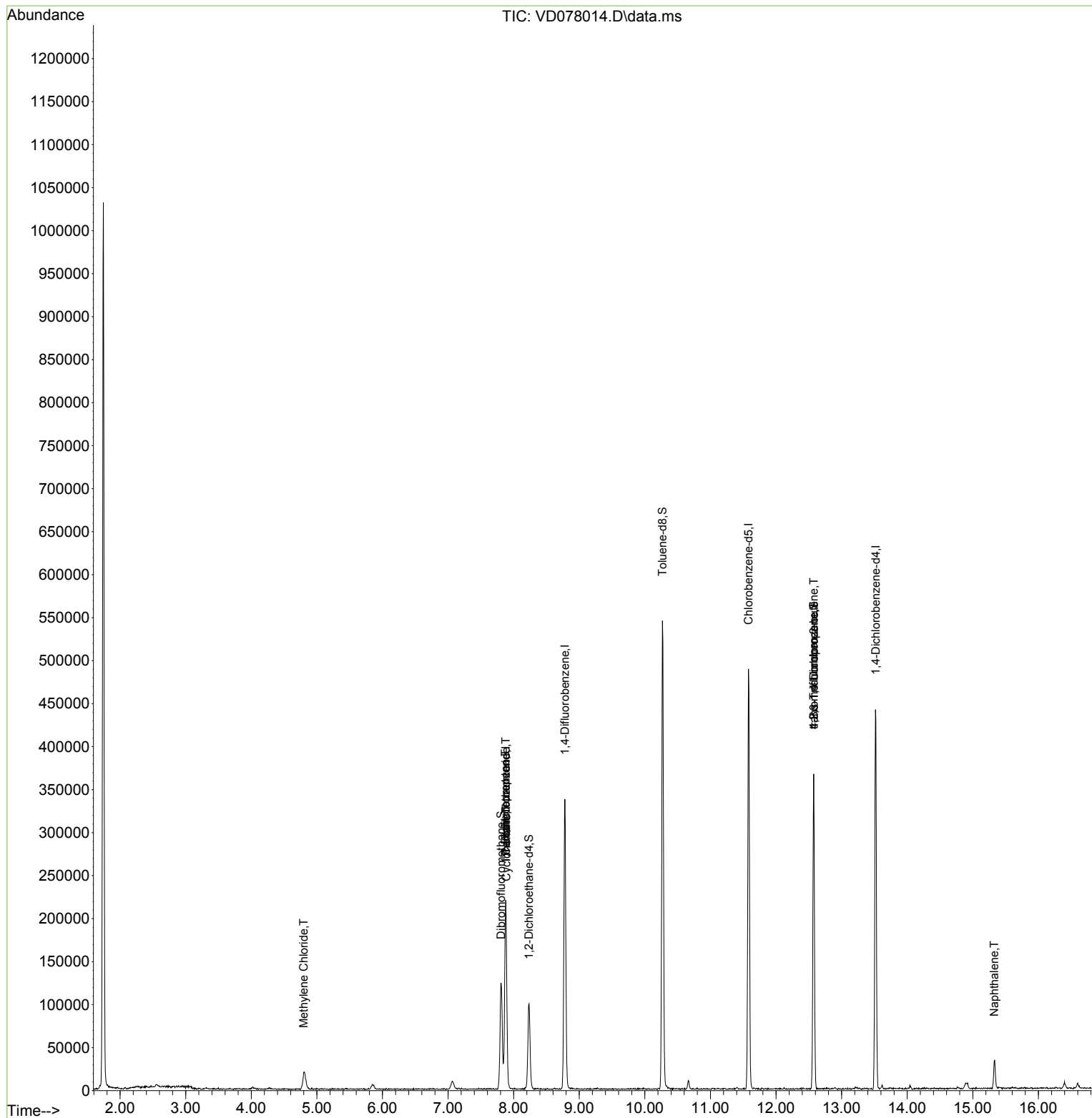
Internal Standards						
1) Pentafluorobenzene	7.881	168	167017	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	302575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	285988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	118481	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	79152	40.218	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	80.440%		
35) Dibromofluoromethane	7.810	113	91123	42.994	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.980%		
50) Toluene-d8	10.269	98	384901	45.343	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.680%		
62) 4-Bromofluorobenzene	12.575	95	107922	42.524	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	85.040%		
Target Compounds						
11) Tert butyl alcohol	5.034	59	60	Below Cal	#	73
16) Acetone	4.028	43	3622	Below Cal		96
20) Methylene Chloride	4.799	84	15838	2.161 ug/l	#	87
25) 2-Butanone	7.069	43	833	Below Cal	#	37
31) Cyclohexane	7.887	56	4011	1.146 ug/l	#	9
36) 1,1-Dichloropropene	7.875	75	13384	3.948 ug/l	#	47
38) Carbon Tetrachloride	7.881	117	16434	4.862 ug/l	#	15
76) 1,2,3-Trichloropropane	12.575	75	56056	54.475 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.575	75	56056	110.371 ug/l	#	17
88) 1,4-Dichlorobenzene	13.522	146	70	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.510	75	68	Below Cal	#	1
95) Naphthalene	15.328	128	28236	6.773 ug/l		99

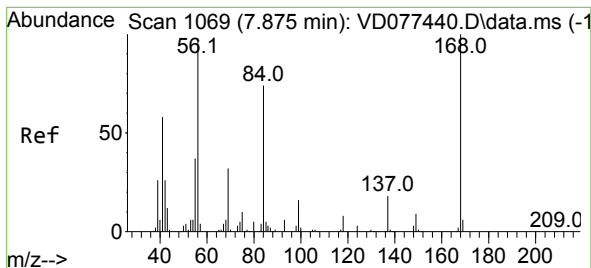
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 14:48:10 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VD078014.D

Acq: 21 Dec 2023 01:46

Instrument :

MSVOA_D

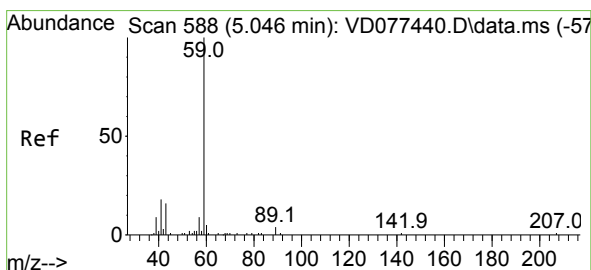
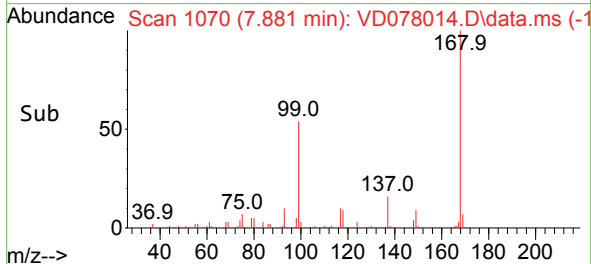
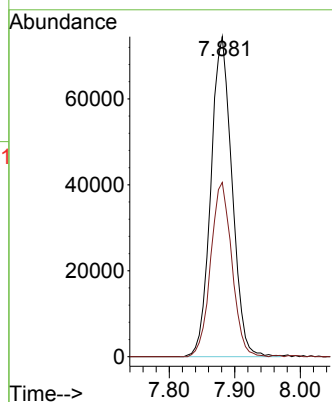
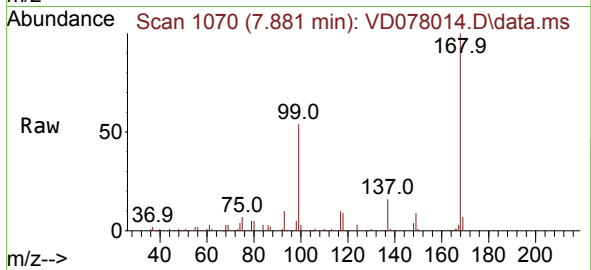
ClientSampleId :

Tgt Ion:168 Resp: 167017

Ion Ratio Lower Upper

168 100

99 54.4 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.034 min Scan# 586

Delta R.T. -0.012 min

Lab File: VD078014.D

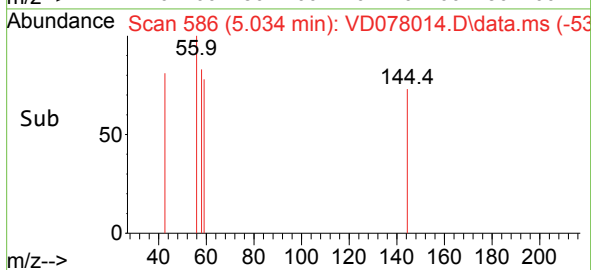
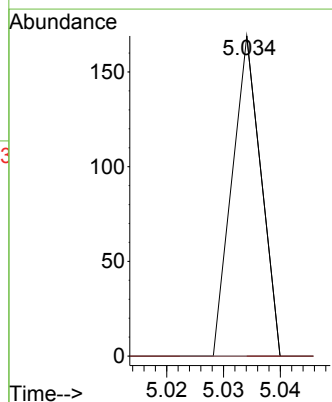
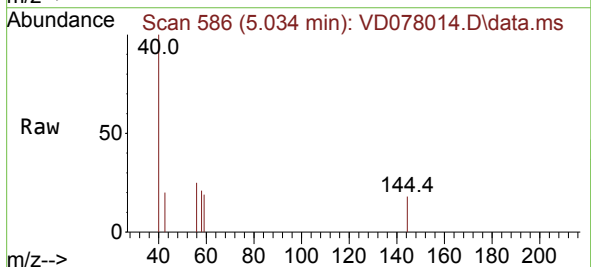
Acq: 21 Dec 2023 01:46

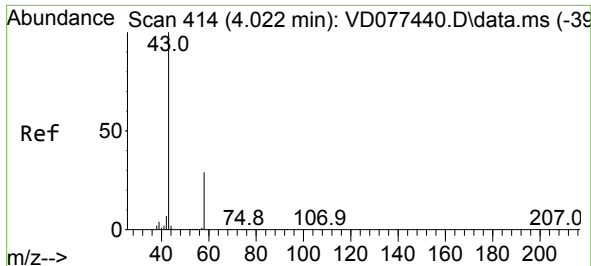
Tgt Ion: 59 Resp: 60

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

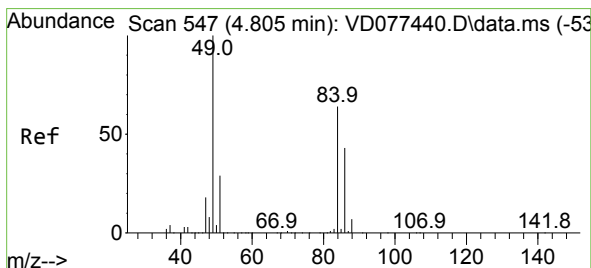
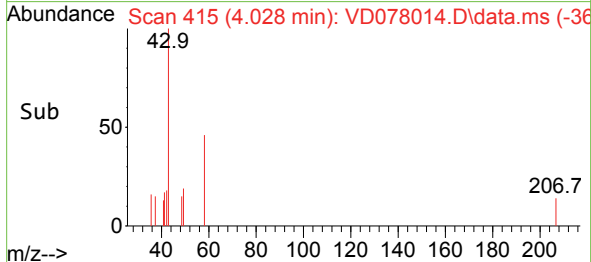
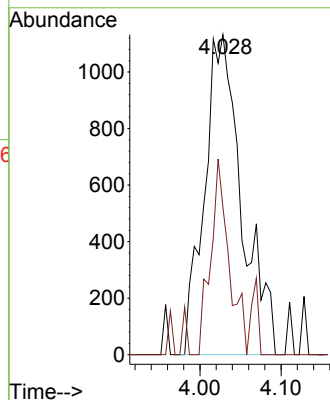
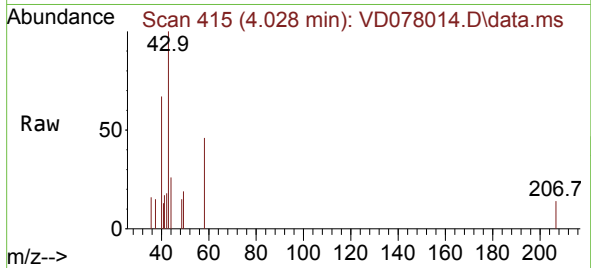




#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD078014.D
Acq: 21 Dec 2023 01:46

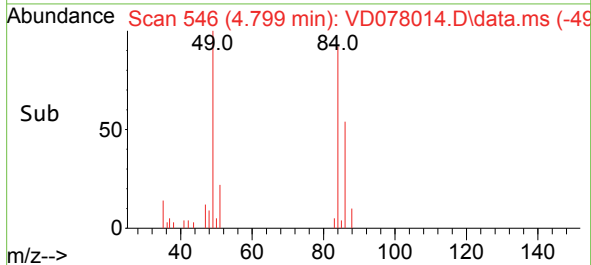
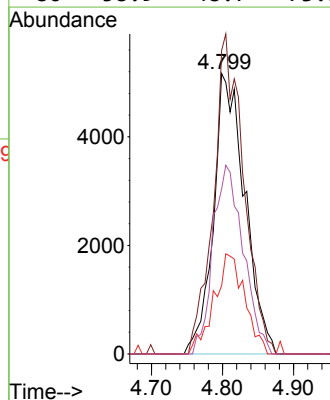
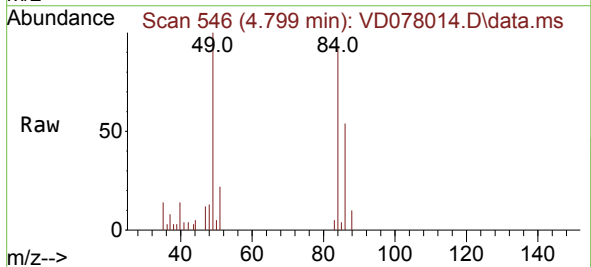
Instrument :
MSVOA_D
ClientSampleId :

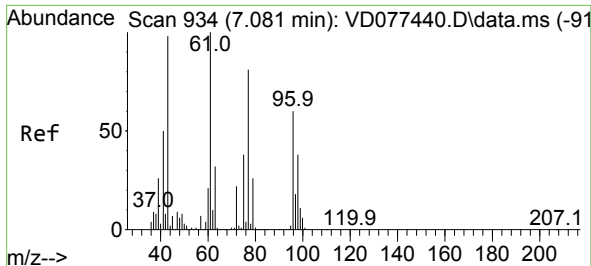
Tgt Ion: 43 Resp: 3622
Ion Ratio Lower Upper
43 100
58 46.1 34.7 52.1



#20
Methylene Chloride
Concen: 2.161 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD078014.D
Acq: 21 Dec 2023 01:46

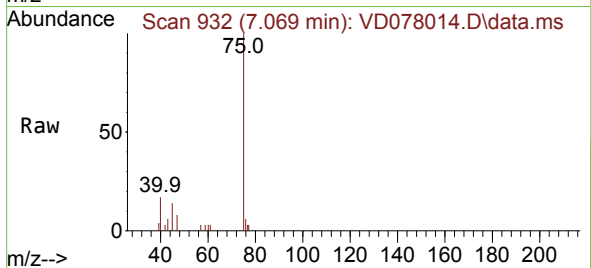
Tgt Ion: 84 Resp: 15838
Ion Ratio Lower Upper
84 100
49 108.3 71.4 107.2#
51 24.4 24.5 36.7#
86 58.9 48.7 73.1



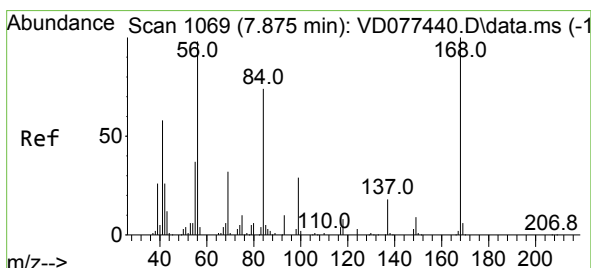
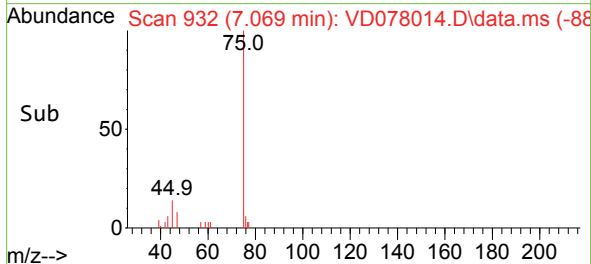
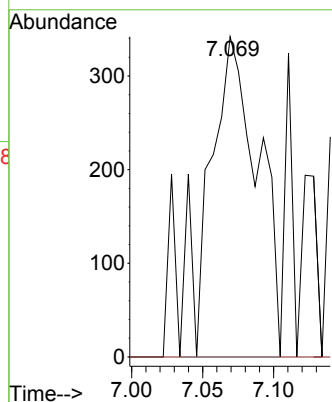


#25
2-Butanone
Concen: Below Cal
RT: 7.069 min Scan# 91
Delta R.T. -0.012 min
Lab File: VD078014.D
Acq: 21 Dec 2023 01:46

Instrument :
MSVOA_D
ClientSampleId :

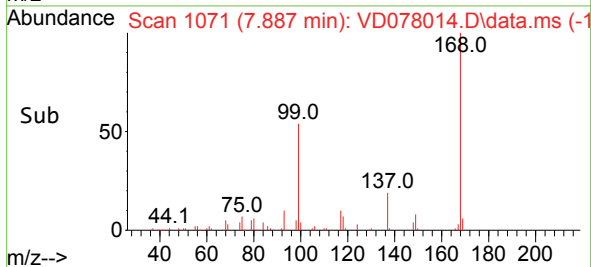
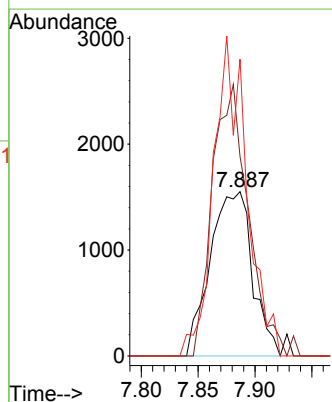
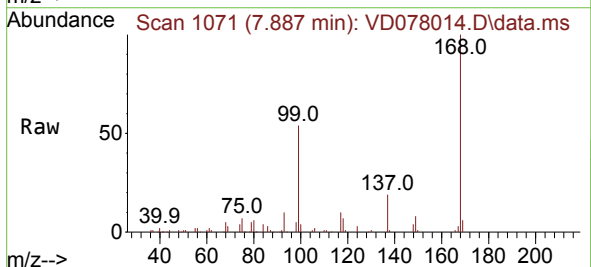


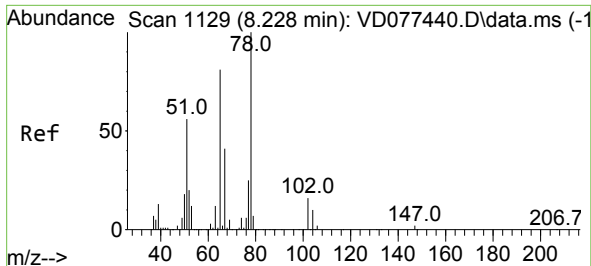
Tgt Ion: 43 Resp: 833
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.146 ug/l
RT: 7.887 min Scan# 1071
Delta R.T. 0.012 min
Lab File: VD078014.D
Acq: 21 Dec 2023 01:46

Tgt Ion: 56 Resp: 4011
Ion Ratio Lower Upper
56 100
69 121.3 28.6 43.0#
84 180.7 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 40.218 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD078014.D

Acq: 21 Dec 2023 01:46

Instrument :

MSVOA_D

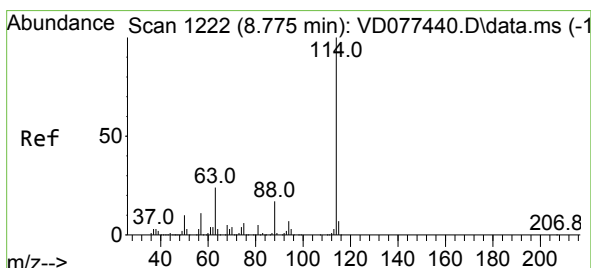
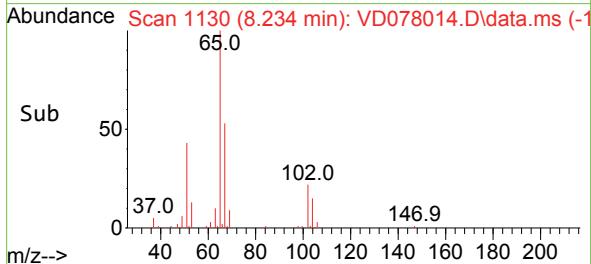
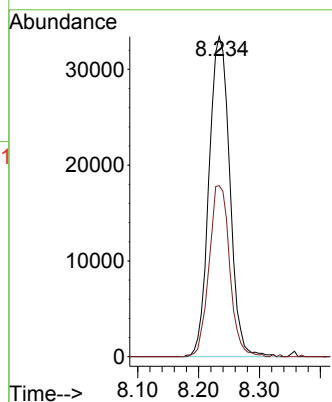
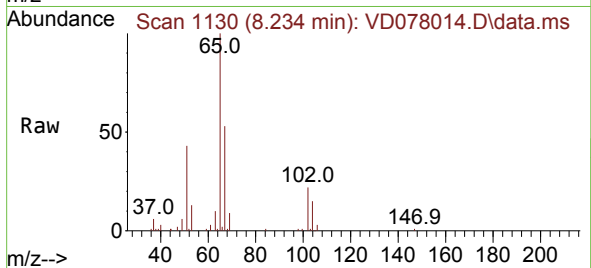
ClientSampleId :

Tgt Ion: 65 Resp: 79152

Ion Ratio Lower Upper

65 100

67 53.0 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: VD078014.D

Acq: 21 Dec 2023 01:46

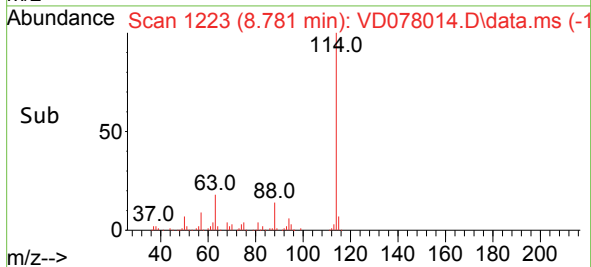
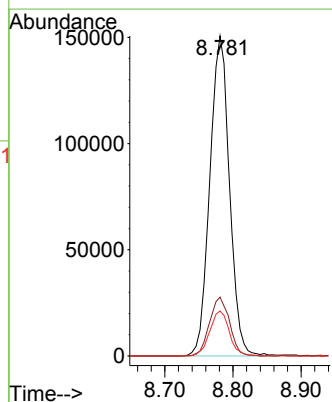
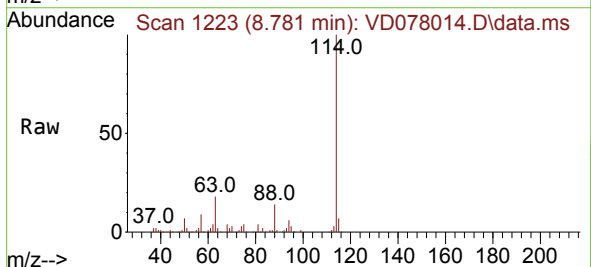
Tgt Ion: 114 Resp: 302575

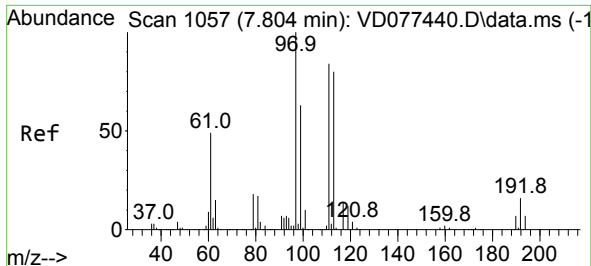
Ion Ratio Lower Upper

114 100

63 18.4 0.0 33.4

88 14.1 0.0 26.2





#35

Dibromofluoromethane

Concen: 42.994 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

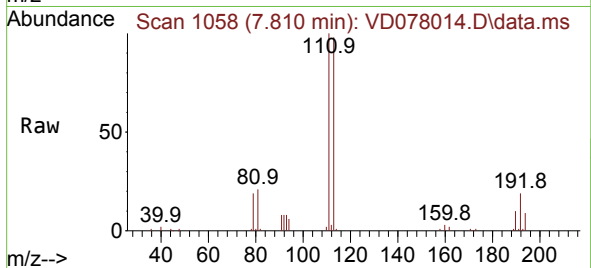
Lab File: VD078014.D

Acq: 21 Dec 2023 01:46

Instrument :

MSVOA_D

ClientSampleId :



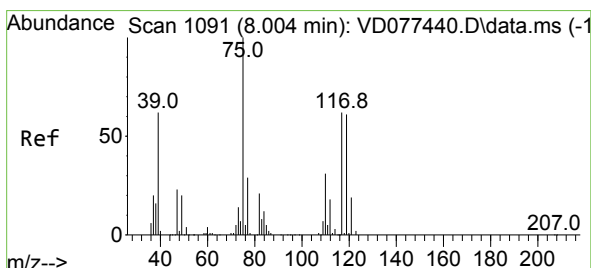
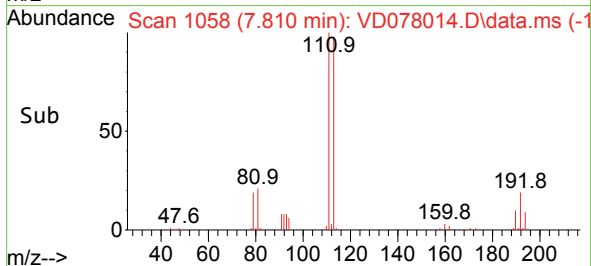
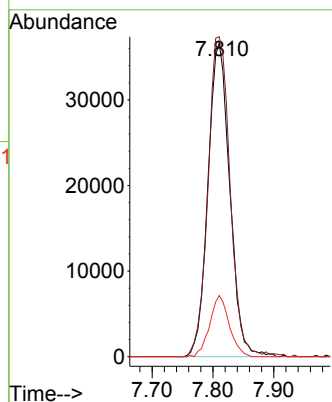
Tgt Ion:113 Resp: 91123

Ion Ratio Lower Upper

113 100

111 103.0 84.7 127.1

192 17.5 16.8 25.2



#36

1,1-Dichloropropene

Concen: 3.948 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD078014.D

Acq: 21 Dec 2023 01:46

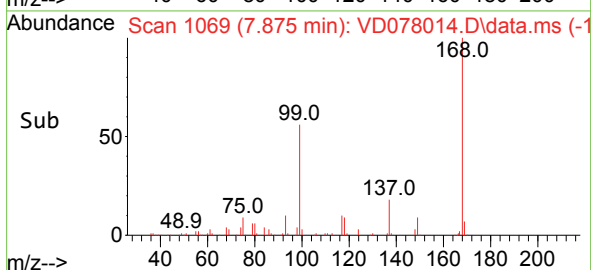
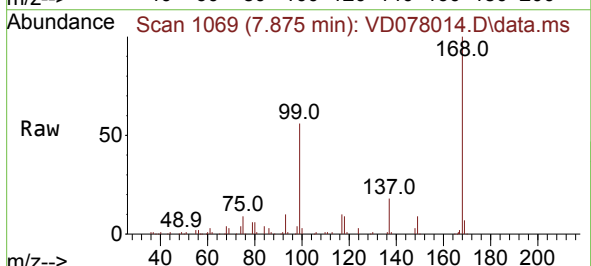
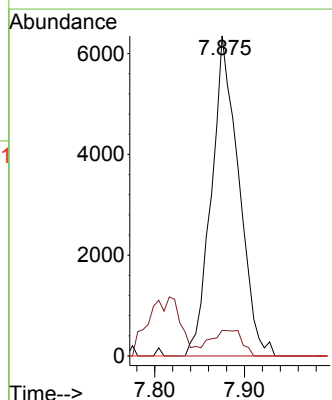
Tgt Ion: 75 Resp: 13384

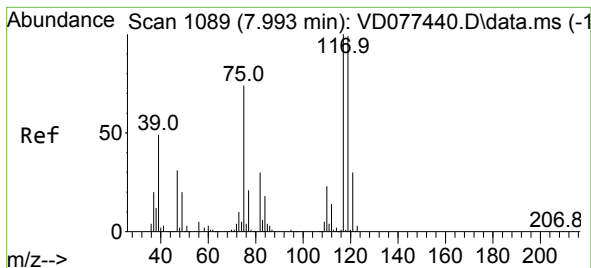
Ion Ratio Lower Upper

75 100

110 9.0 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.862 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

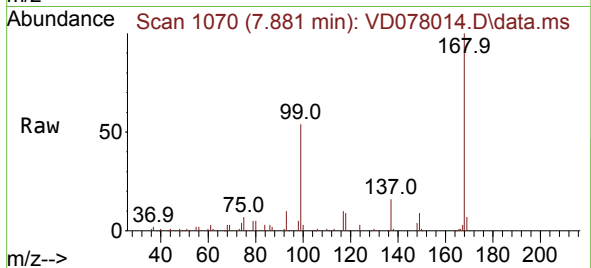
Lab File: VD078014.D

Acq: 21 Dec 2023 01:46

Instrument :

MSVOA_D

ClientSampleId :



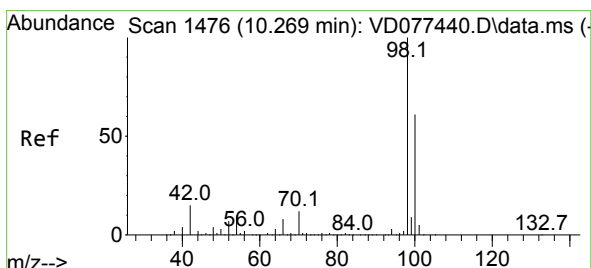
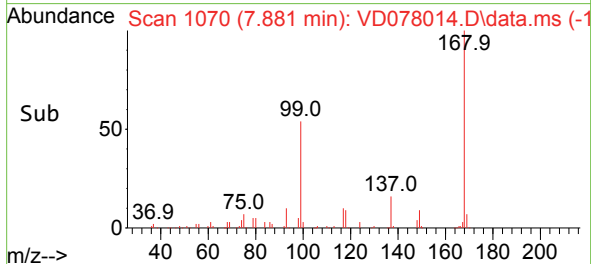
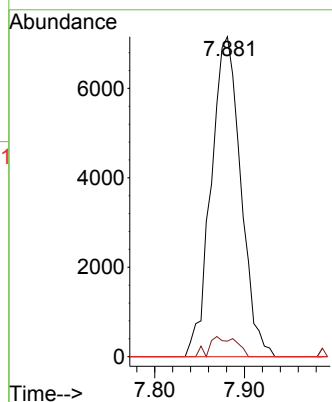
Tgt Ion:117 Resp: 16434

Ion Ratio Lower Upper

117 100

119 4.9 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 45.343 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078014.D

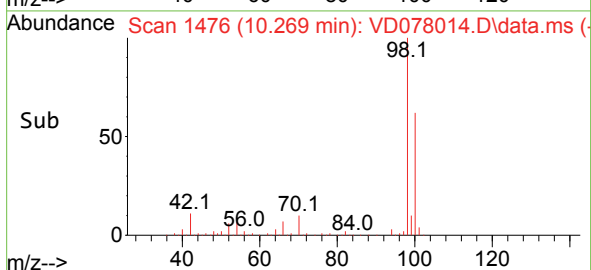
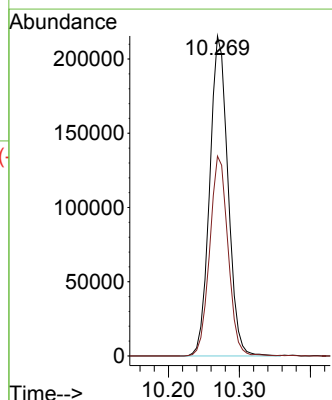
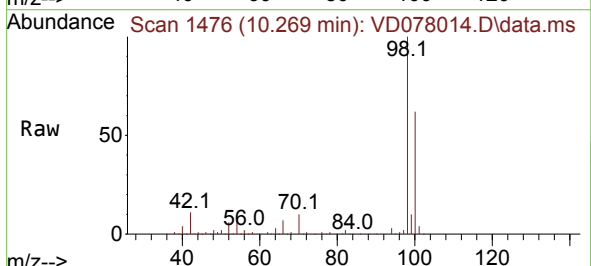
Acq: 21 Dec 2023 01:46

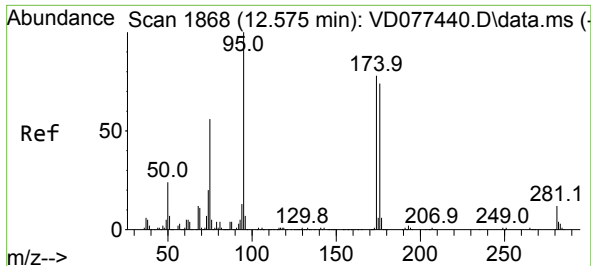
Tgt Ion: 98 Resp: 384901

Ion Ratio Lower Upper

98 100

100 62.6 50.3 75.5

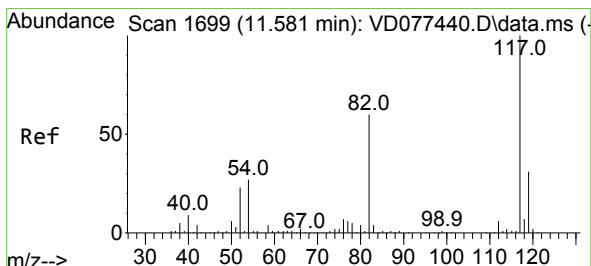
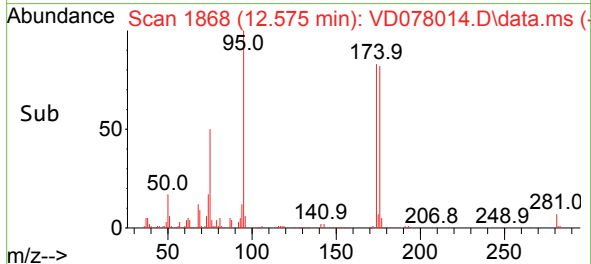
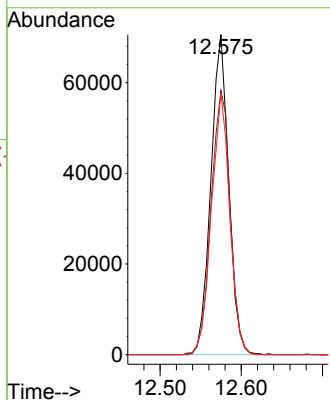
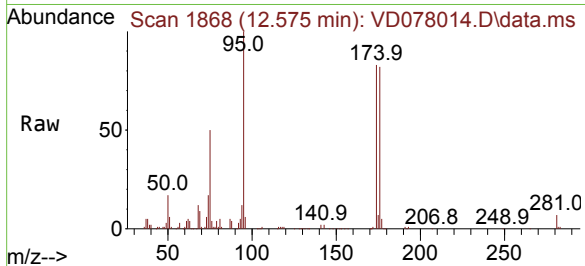




#62
4-Bromofluorobenzene
Concen: 42.524 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078014.D
Acq: 21 Dec 2023 01:46

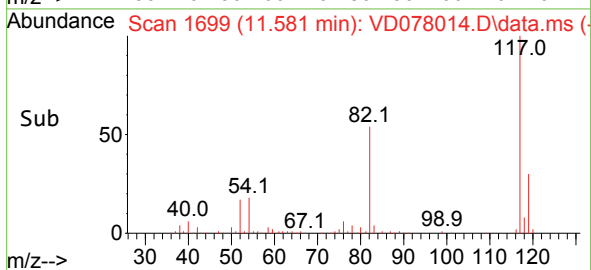
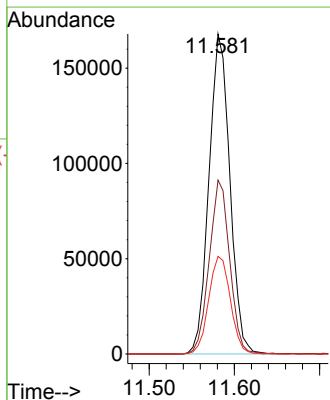
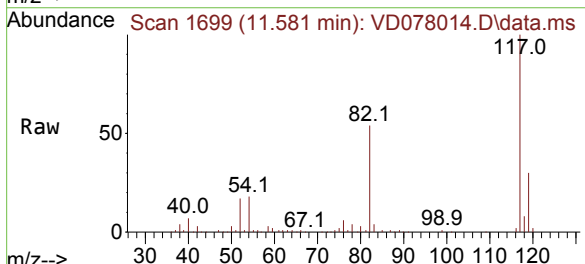
Instrument :
MSVOA_D
ClientSampleId :

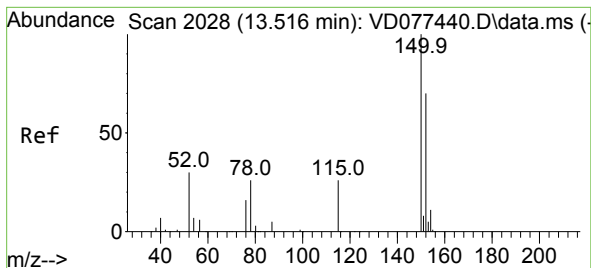
Tgt Ion: 95 Resp: 107922
Ion Ratio Lower Upper
95 100
174 88.8 0.0 201.8
176 83.6 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD078014.D
Acq: 21 Dec 2023 01:46

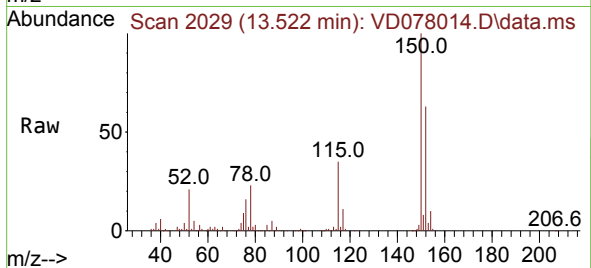
Tgt Ion: 117 Resp: 285988
Ion Ratio Lower Upper
117 100
82 54.3 38.3 57.5
119 30.5 25.0 37.4



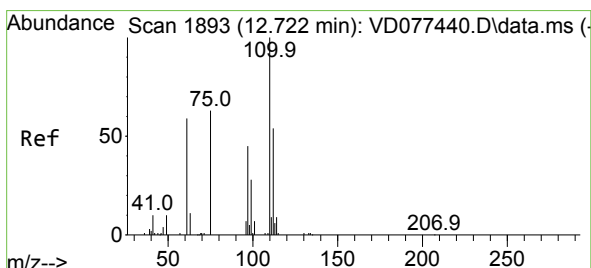
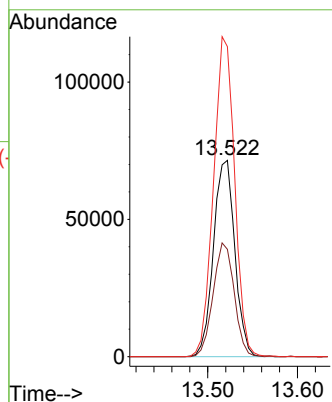
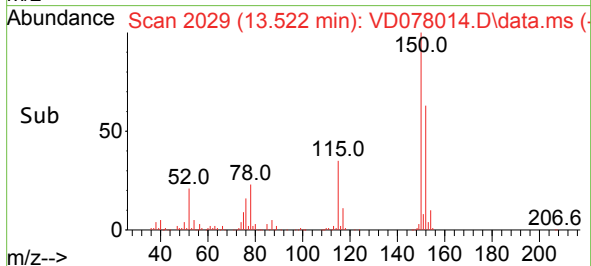


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 2028
 Delta R.T. 0.006 min
 Lab File: VD078014.D
 Acq: 21 Dec 2023 01:46

Instrument :
 MSVOA_D
 ClientSampleId :

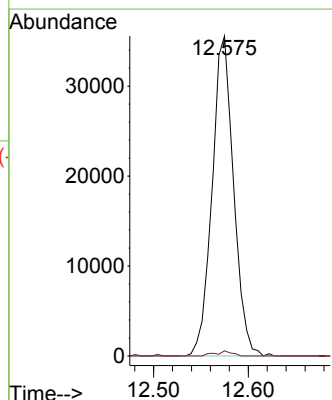
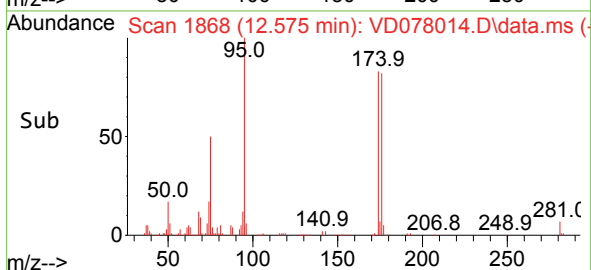
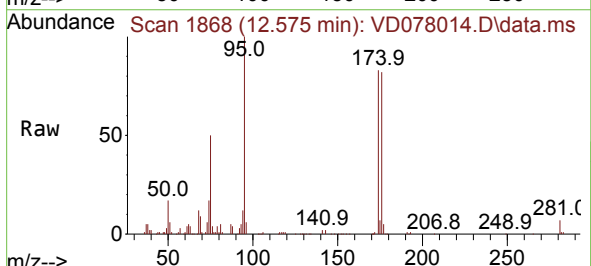


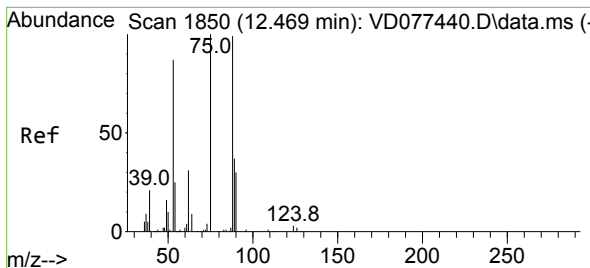
Tgt Ion:152 Resp: 118481
 Ion Ratio Lower Upper
 152 100
 115 57.0 27.1 81.3
 150 160.5 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 54.475 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD078014.D
 Acq: 21 Dec 2023 01:46

Tgt Ion: 75 Resp: 56056
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

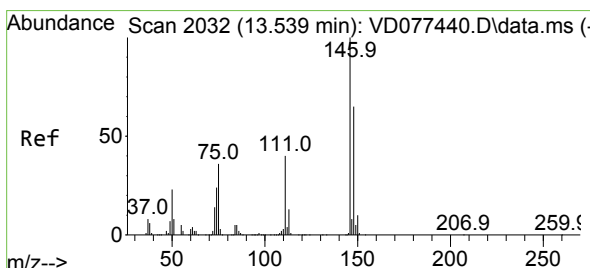
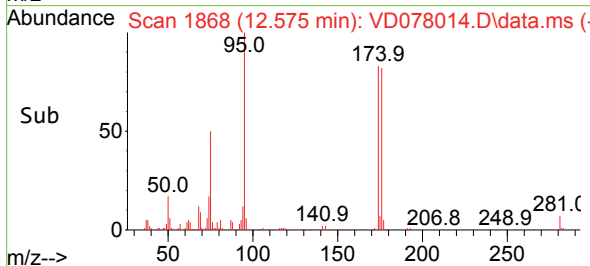
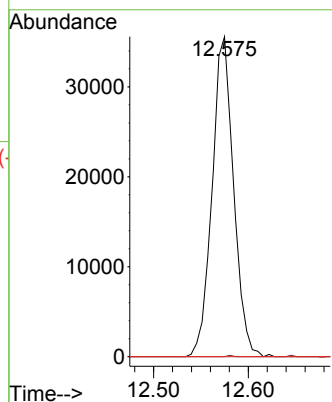
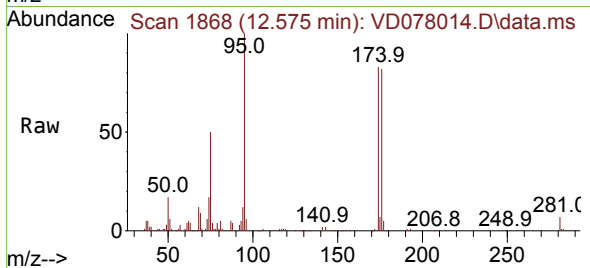




#81
trans-1,4-Dichloro-2-butene
Concen: 110.371 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078014.D
Acq: 21 Dec 2023 01:46

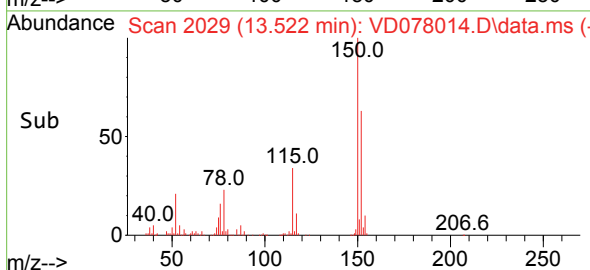
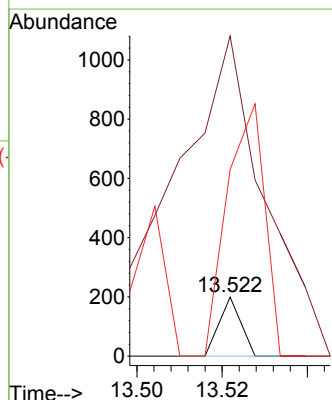
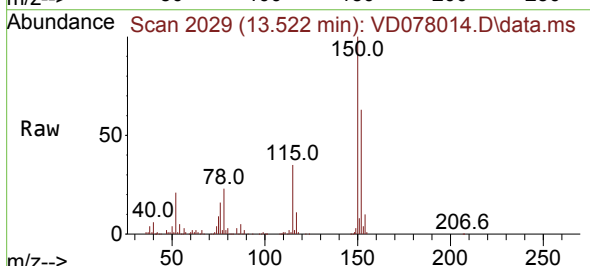
Instrument :
MSVOA_D
ClientSampleId :

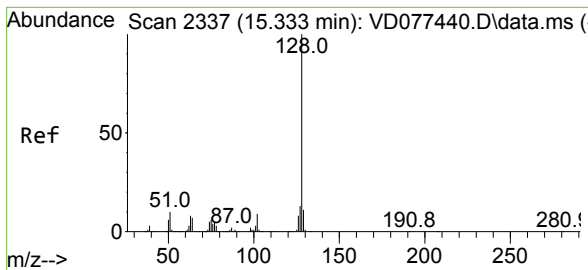
Tgt Ion: 75 Resp: 56056
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.0 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.522 min Scan# 2029
Delta R.T. -0.017 min
Lab File: VD078014.D
Acq: 21 Dec 2023 01:46

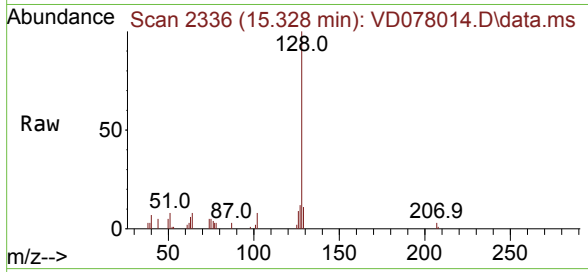
Tgt Ion:146 Resp: 70
Ion Ratio Lower Upper
146 100
111 2277.1 17.4 52.3#
148 747.1 31.7 95.1#





#95
Naphthalene
Concen: 6.773 ug/l
RT: 15.328 min Scan# 21
Delta R.T. -0.005 min
Lab File: VD078014.D
Acq: 21 Dec 2023 01:46

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	128	Resp:	28236
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.5	15.7
129	11.1	8.7	13.1

