

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122123\
 Data File : VD078044.D
 Acq On : 22 Dec 2023 01:37
 Operator : RP/MD
 Sample : 05877-09
 Misc : 3.96G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 22 05:50:15 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)

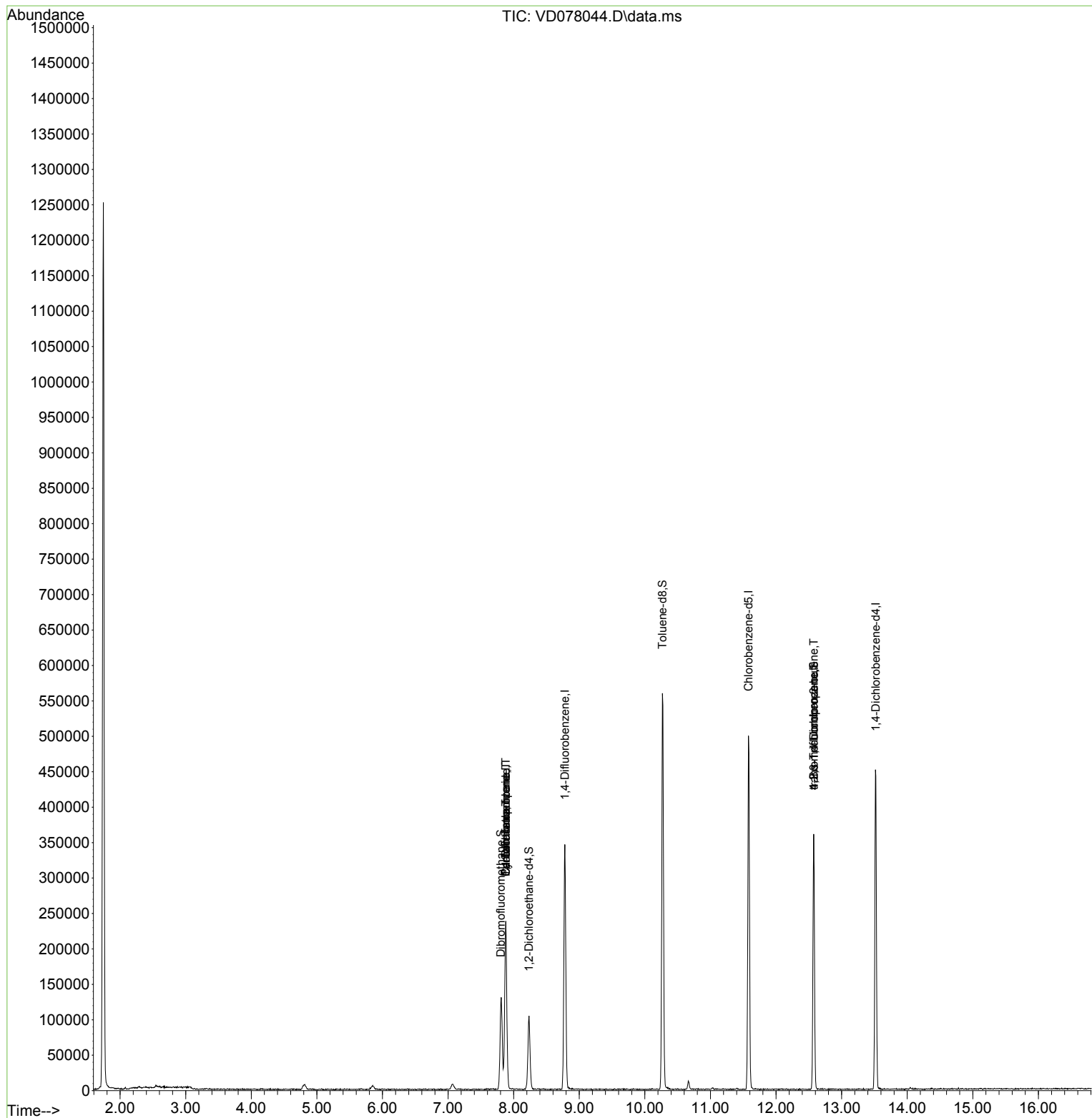
Internal Standards						
1) Pentafluorobenzene	7.881	168	177304	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	309747	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	292100	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	124585	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	77094	36.900	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	73.800%		
35) Dibromofluoromethane	7.805	113	93429	43.061	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.120%		
50) Toluene-d8	10.269	98	399110	45.928	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.860%		
62) 4-Bromofluorobenzene	12.575	95	107766	41.480	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	82.960%		
Target Compounds						
11) Tert butyl alcohol	5.052	59	145	Below Cal	#	73
16) Acetone	4.028	43	549	Below Cal	#	32
20) Methylene Chloride	4.816	84	5230	Below Cal	#	88
25) 2-Butanone	7.081	43	398	Below Cal	#	37
31) Cyclohexane	7.881	56	4075	1.097	ug/l #	17
36) 1,1-Dichloropropene	7.881	75	14638	4.218	ug/l #	50
38) Carbon Tetrachloride	7.881	117	17569	5.078	ug/l #	13
65) Chlorobenzene	11.610	112	77	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	56641	52.347	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	56641	106.059	ug/l #	17
88) 1,4-Dichlorobenzene	13.534	146	188	Below Cal	#	26
92) 1,2-Dibromo-3-Chloropr...	14.269	75	56	Below Cal	#	1

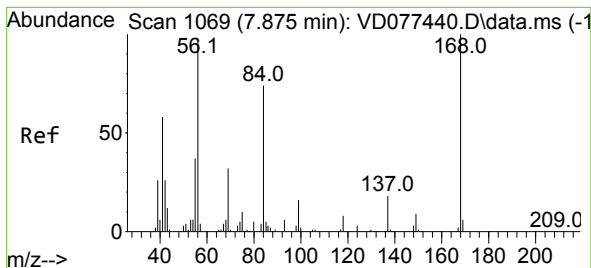
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1

Delta R.T. 0.006 min

Lab File: VD078044.D

Acq: 22 Dec 2023 01:37

Instrument :

MSVOA_D

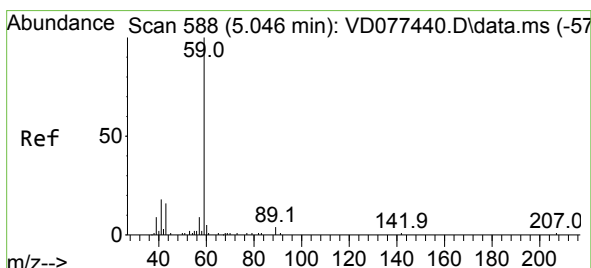
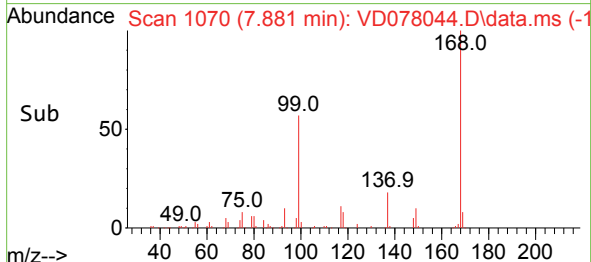
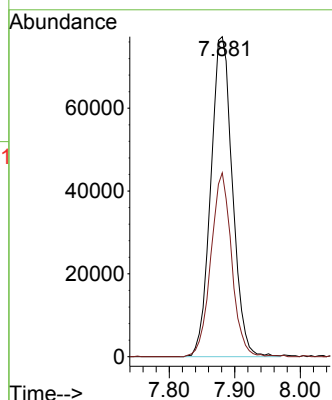
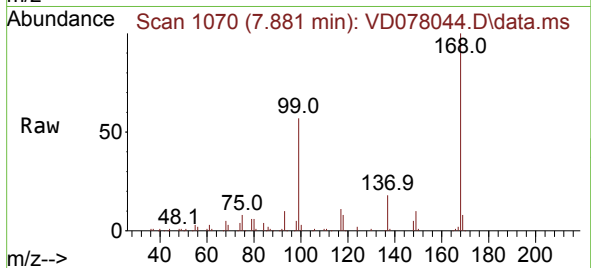
ClientSampleId :

Tgt Ion:168 Resp: 177304

Ion Ratio Lower Upper

168 100

99 57.4 36.7 55.1#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.052 min Scan# 589

Delta R.T. 0.006 min

Lab File: VD078044.D

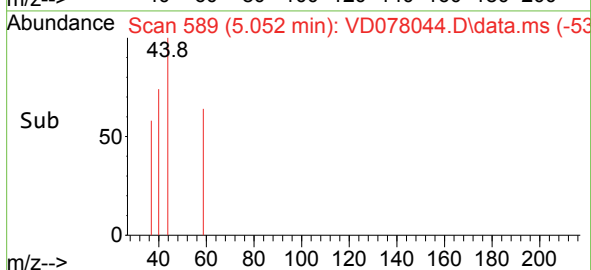
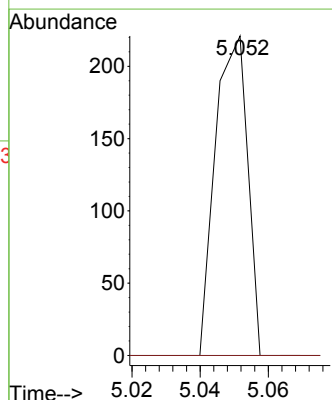
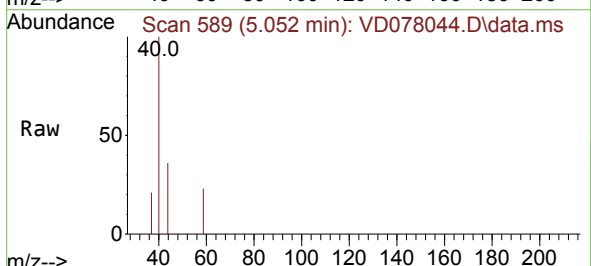
Acq: 22 Dec 2023 01:37

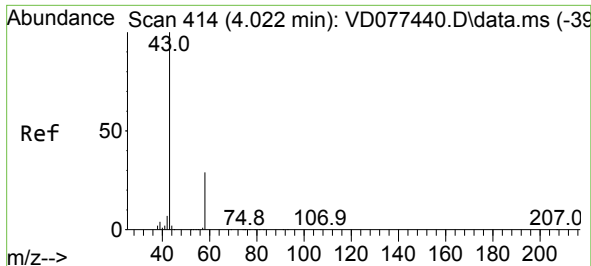
Tgt Ion: 59 Resp: 145

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

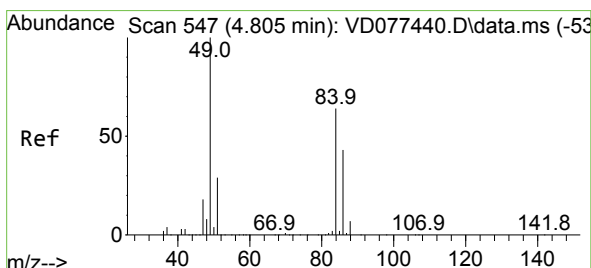
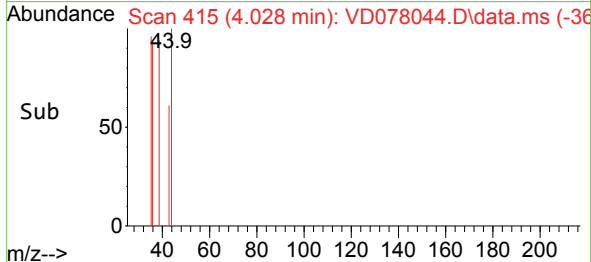
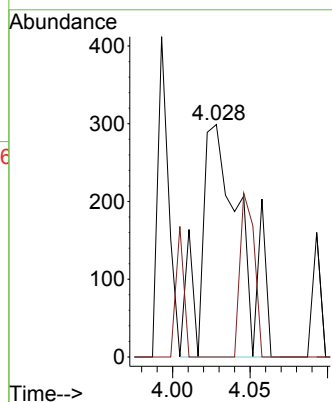
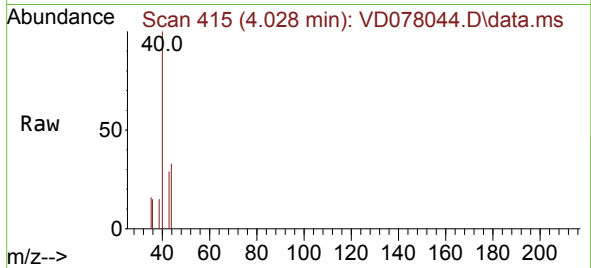




#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD078044.D
Acq: 22 Dec 2023 01:37

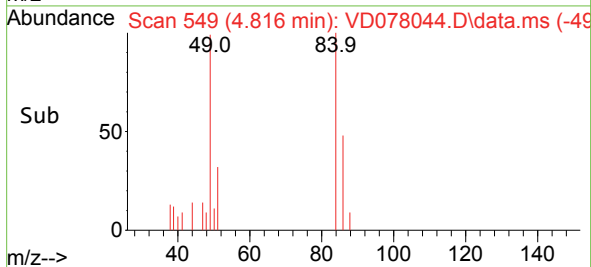
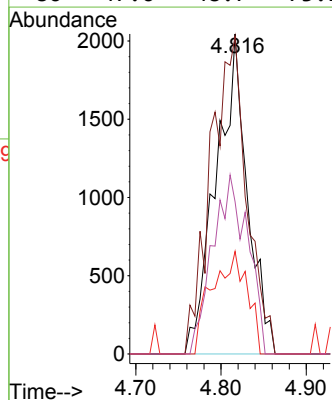
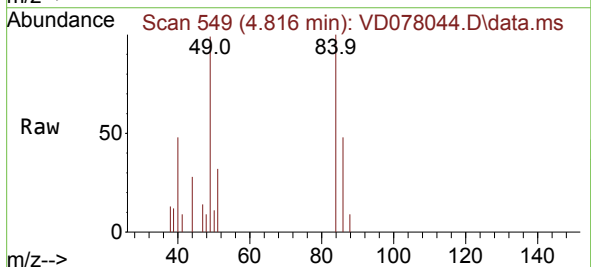
Instrument :
MSVOA_D
ClientSampleId :

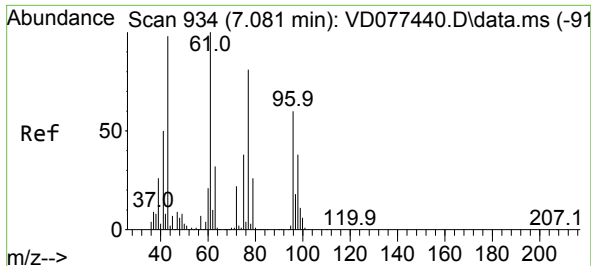
Tgt Ion: 43 Resp: 549
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.816 min Scan# 549
Delta R.T. 0.011 min
Lab File: VD078044.D
Acq: 22 Dec 2023 01:37

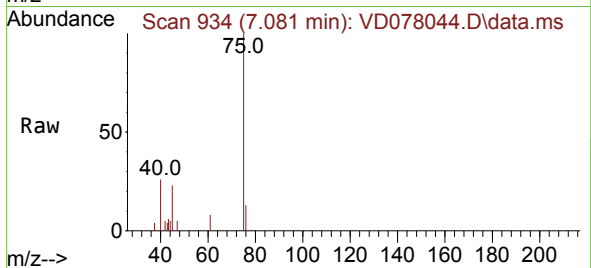
Tgt Ion: 84 Resp: 5230
Ion Ratio Lower Upper
84 100
49 99.3 71.4 107.2
51 32.1 24.5 36.7
86 47.6 48.7 73.1#



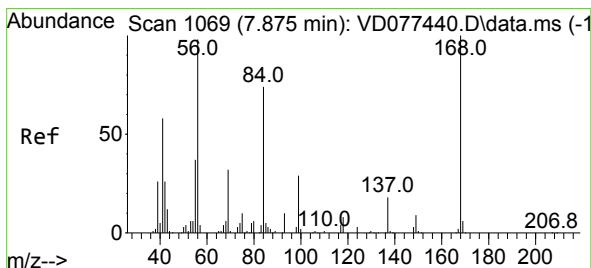
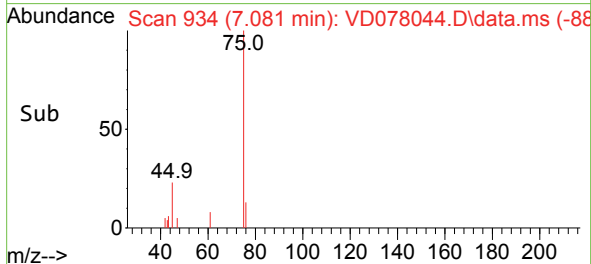
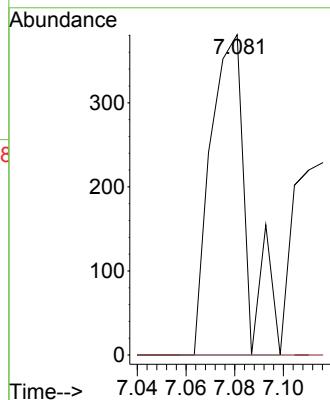


#25
2-Butanone
Concen: Below Cal
RT: 7.081 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD078044.D
Acq: 22 Dec 2023 01:37

Instrument :
MSVOA_D
ClientSampleId :

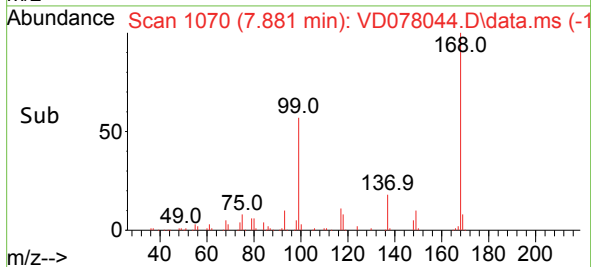
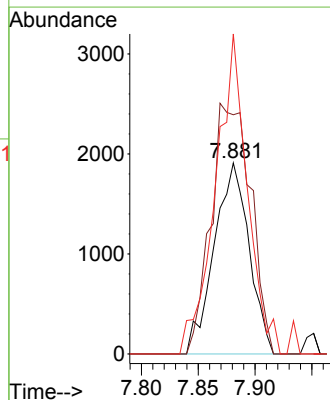
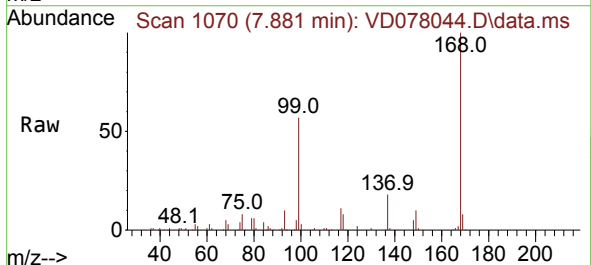


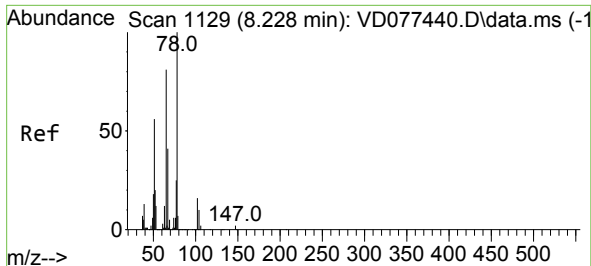
Tgt Ion: 43 Resp: 398
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.097 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD078044.D
Acq: 22 Dec 2023 01:37

Tgt Ion: 56 Resp: 4075
Ion Ratio Lower Upper
56 100
69 125.2 28.6 43.0#
84 167.5 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 36.900 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD078044.D

Acq: 22 Dec 2023 01:37

Instrument :

MSVOA_D

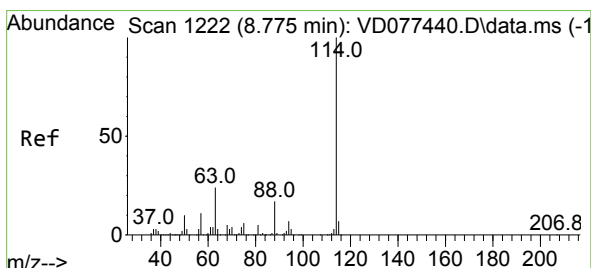
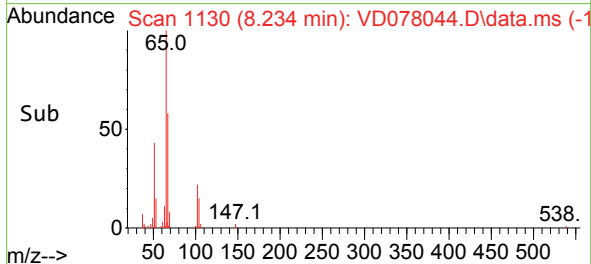
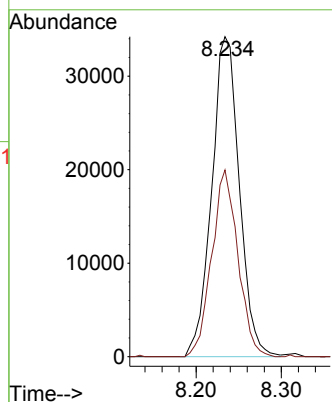
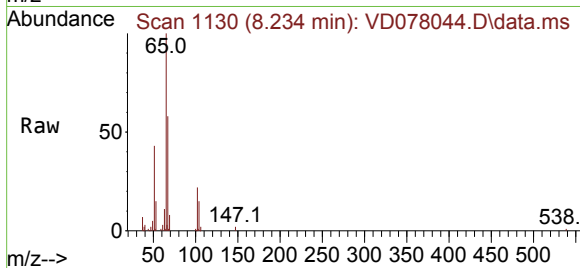
ClientSampleId :

Tgt Ion: 65 Resp: 77094

Ion Ratio Lower Upper

65 100

67 55.3 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: VD078044.D

Acq: 22 Dec 2023 01:37

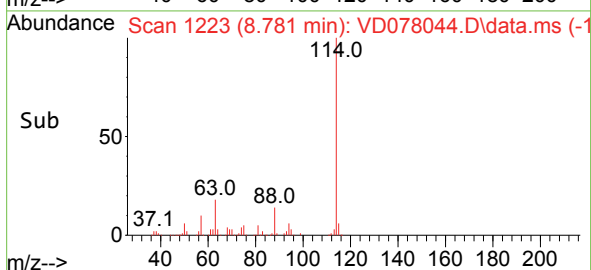
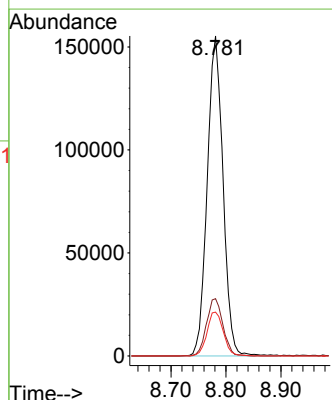
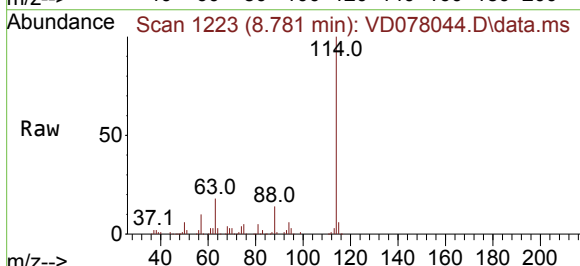
Tgt Ion: 114 Resp: 309747

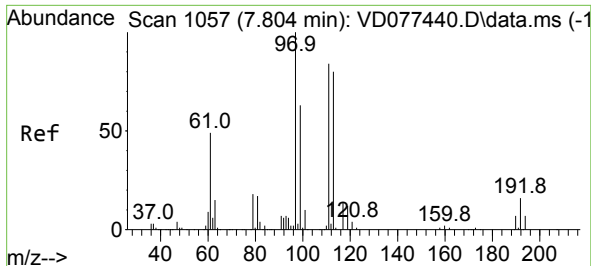
Ion Ratio Lower Upper

114 100

63 17.9 0.0 33.4

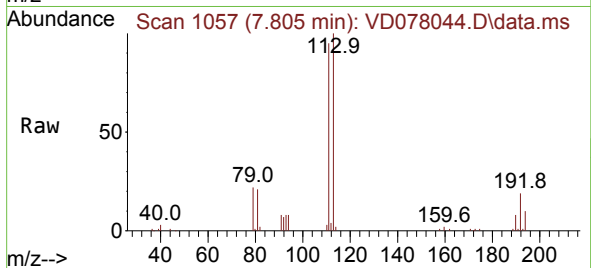
88 13.7 0.0 26.2



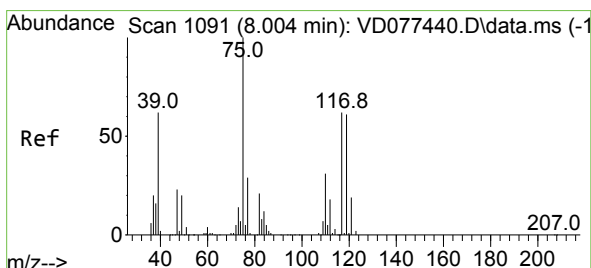
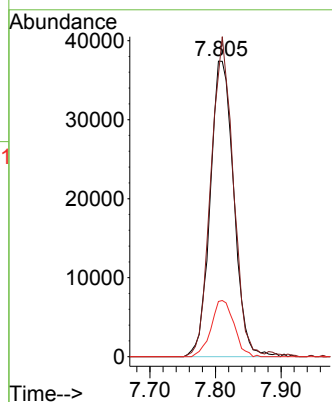
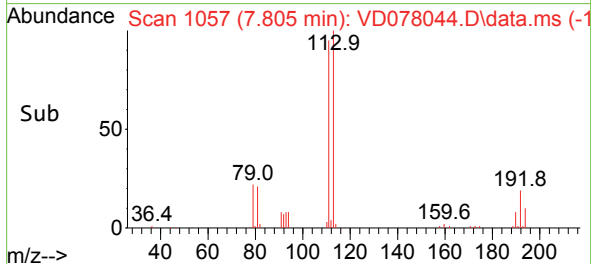


#35
 Dibromofluoromethane
 Concen: 43.061 ug/l
 RT: 7.805 min Scan# 1070
 Delta R.T. 0.000 min
 Lab File: VD078044.D
 Acq: 22 Dec 2023 01:37

Instrument :
 MSVOA_D
 ClientSampleId :

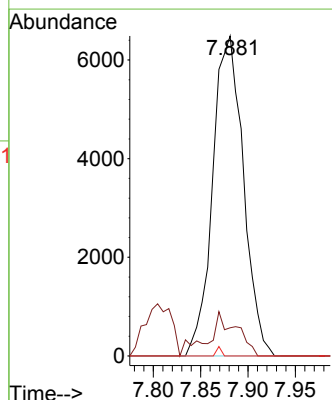
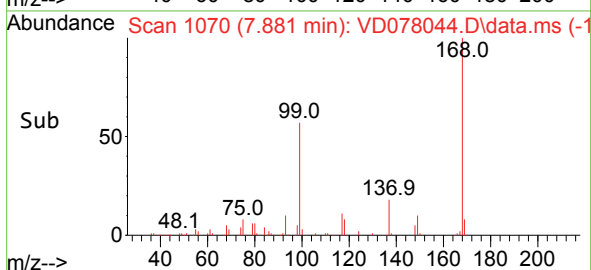
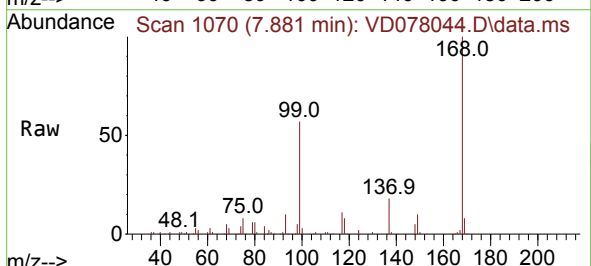


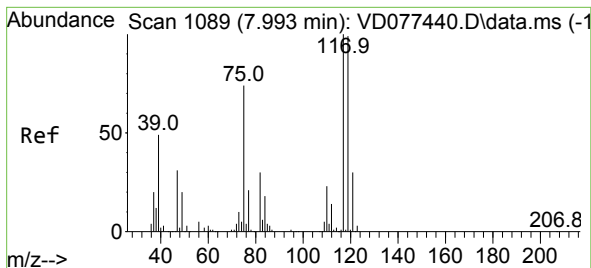
Tgt Ion:113 Resp: 93429
 Ion Ratio Lower Upper
 113 100
 111 102.4 84.7 127.1
 192 18.5 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 4.218 ug/l
 RT: 7.881 min Scan# 1070
 Delta R.T. -0.123 min
 Lab File: VD078044.D
 Acq: 22 Dec 2023 01:37

Tgt Ion: 75 Resp: 14638
 Ion Ratio Lower Upper
 75 100
 110 11.5 19.9 59.6#
 77 0.5 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.078 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

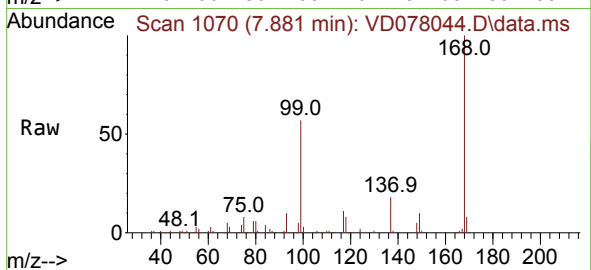
Lab File: VD078044.D

Acq: 22 Dec 2023 01:37

Instrument :

MSVOA_D

ClientSampleId :



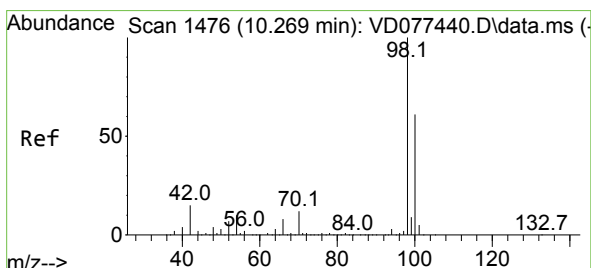
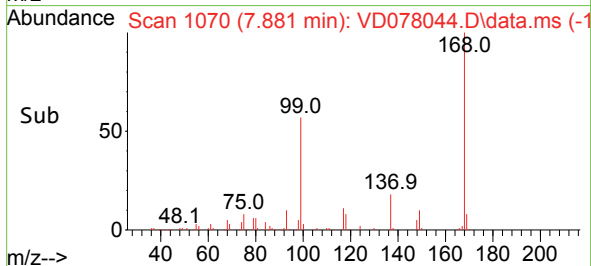
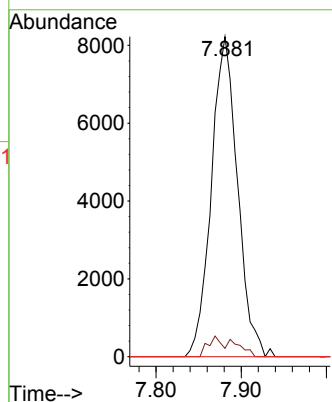
Tgt Ion:117 Resp: 17569

Ion Ratio Lower Upper

117 100

119 2.6 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 45.928 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078044.D

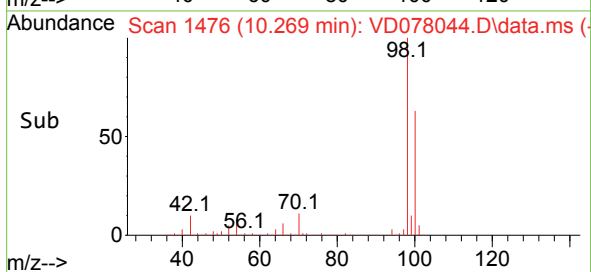
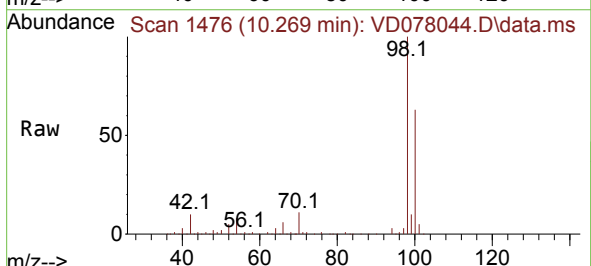
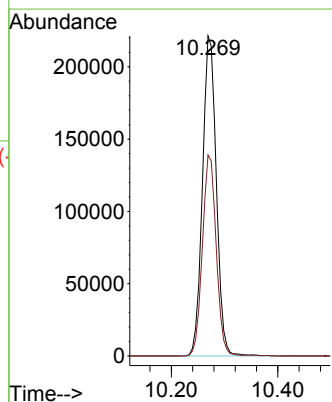
Acq: 22 Dec 2023 01:37

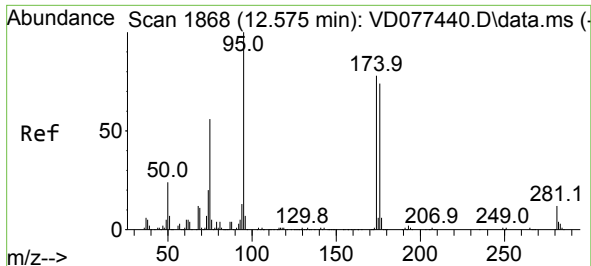
Tgt Ion: 98 Resp: 399110

Ion Ratio Lower Upper

98 100

100 62.5 50.3 75.5

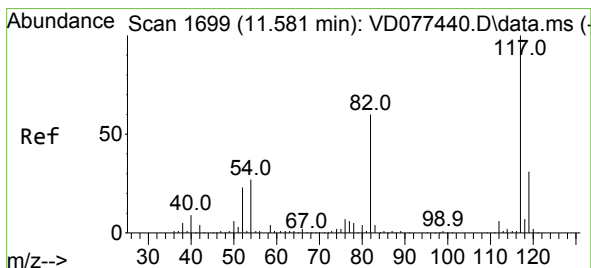
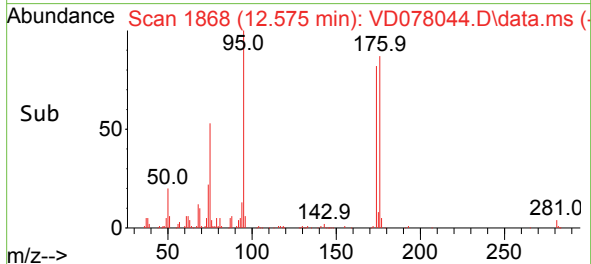
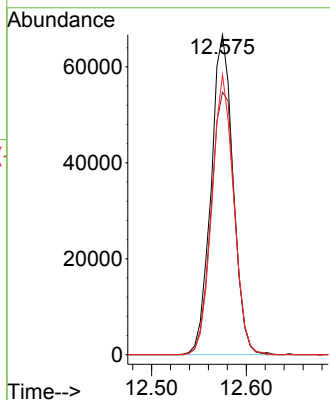
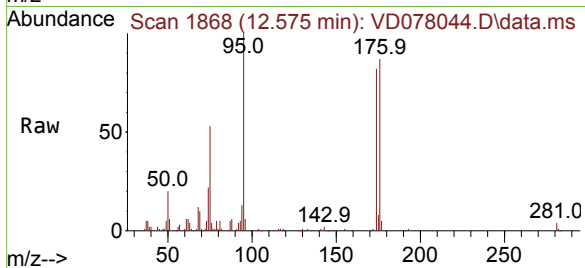




#62
4-Bromofluorobenzene
Concen: 41.480 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078044.D
Acq: 22 Dec 2023 01:37

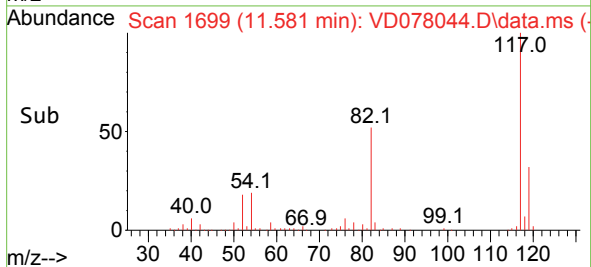
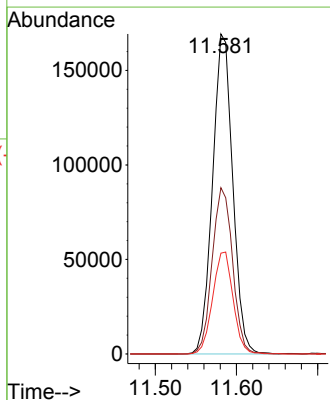
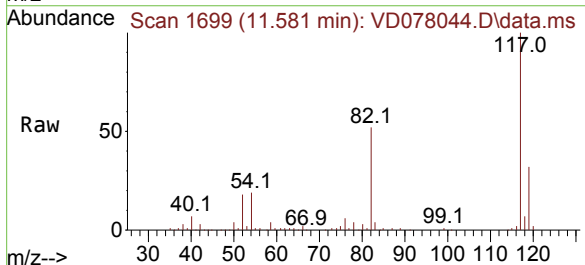
Instrument :
MSVOA_D
ClientSampleId :

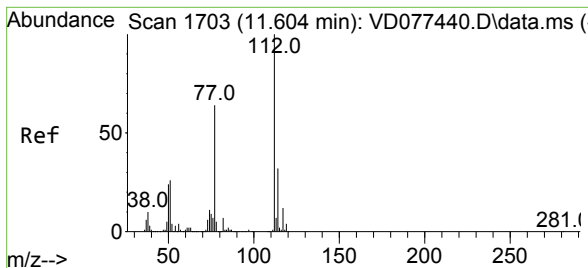
Tgt Ion: 95 Resp: 107766
Ion Ratio Lower Upper
95 100
174 88.2 0.0 201.8
176 86.3 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD078044.D
Acq: 22 Dec 2023 01:37

Tgt Ion: 117 Resp: 292100
Ion Ratio Lower Upper
117 100
82 52.0 38.3 57.5
119 31.5 25.0 37.4

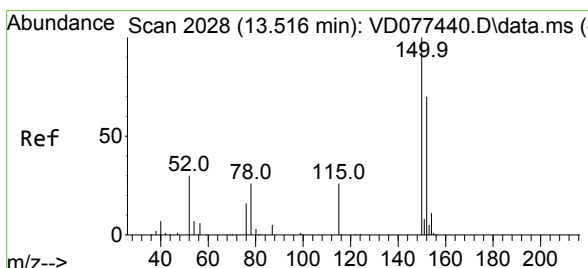
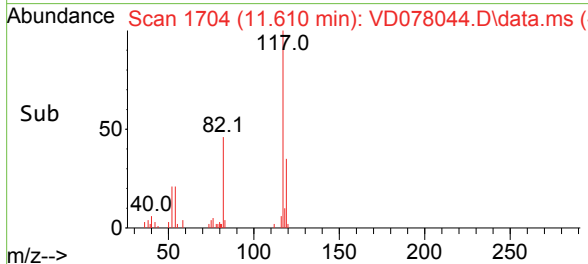
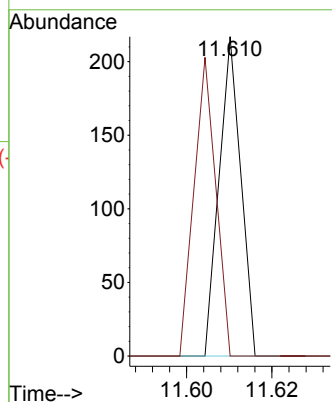
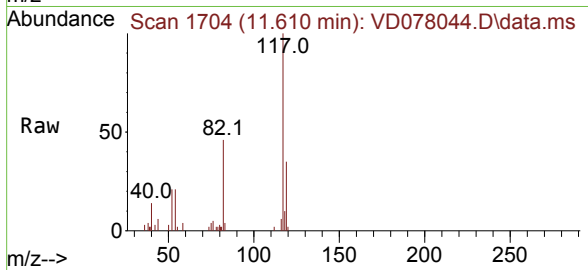




#65
Chlorobenzene
Concen: Below Cal
RT: 11.610 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD078044.D
Acq: 22 Dec 2023 01:37

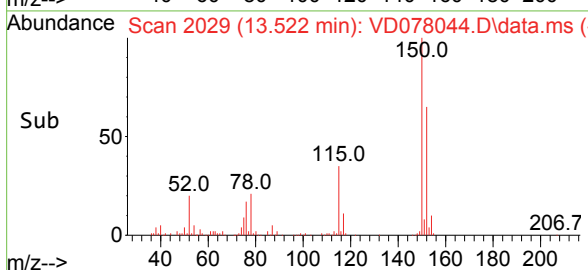
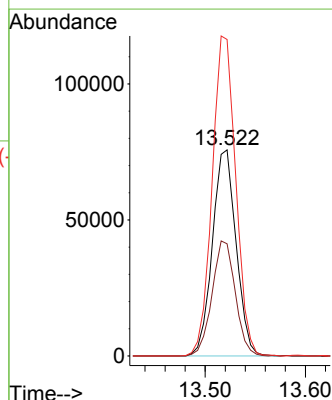
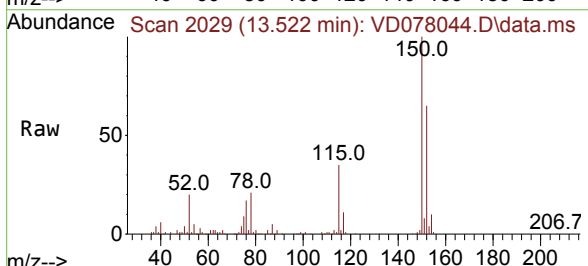
Instrument :
MSVOA_D
ClientSampleId :

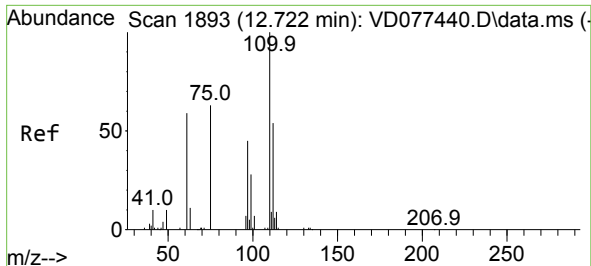
Tgt Ion:112 Resp: 77
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD078044.D
Acq: 22 Dec 2023 01:37

Tgt Ion:152 Resp: 124585
Ion Ratio Lower Upper
152 100
115 54.7 27.1 81.3
150 154.3 0.0 353.6

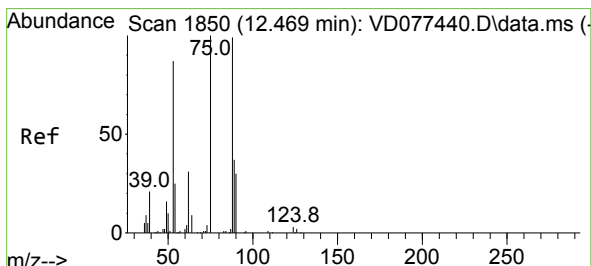
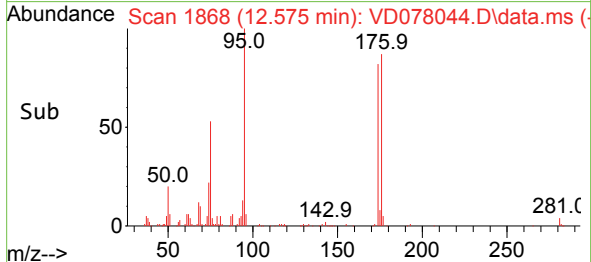
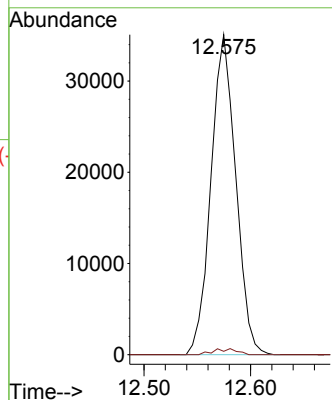
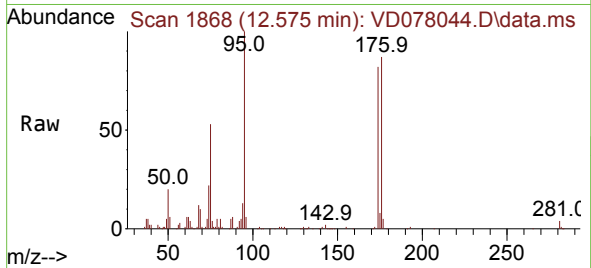




#76
1,2,3-Trichloropropane
Concen: 52.347 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078044.D
Acq: 22 Dec 2023 01:37

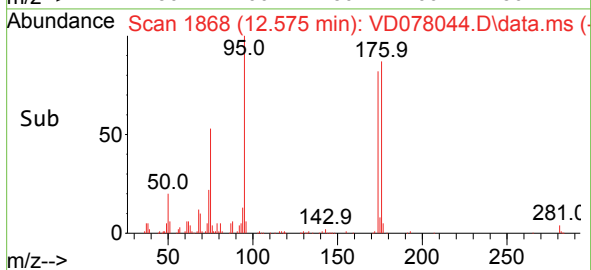
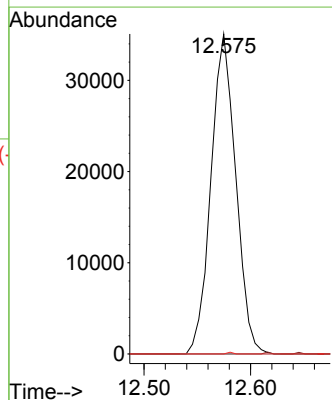
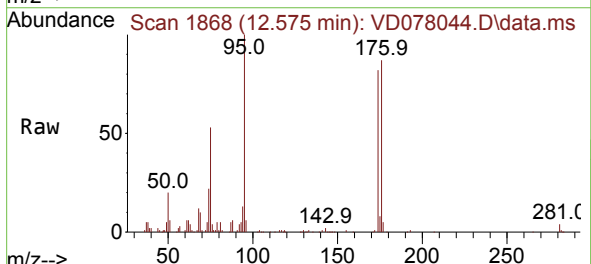
Instrument :
MSVOA_D
ClientSampleId :

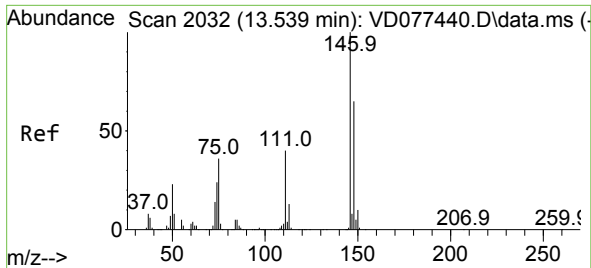
Tgt Ion: 75 Resp: 56641
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.059 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078044.D
Acq: 22 Dec 2023 01:37

Tgt Ion: 75 Resp: 56641
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.1 37.9 56.9#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.534 min Scan# 20

Delta R.T. -0.005 min

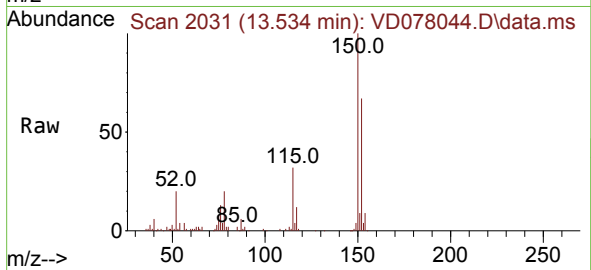
Lab File: VD078044.D

Acq: 22 Dec 2023 01:37

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	146	Resp:	188
Ion	Ratio	Lower	Upper
146	100		
111	0.0	17.4	52.3#
148	0.0	31.7	95.1#

