

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122123\
 Data File : VD078045.D
 Acq On : 22 Dec 2023 02:04
 Operator : RP/MD
 Sample : 05877-10
 Misc : 4.80G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 22 05:51:50 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)

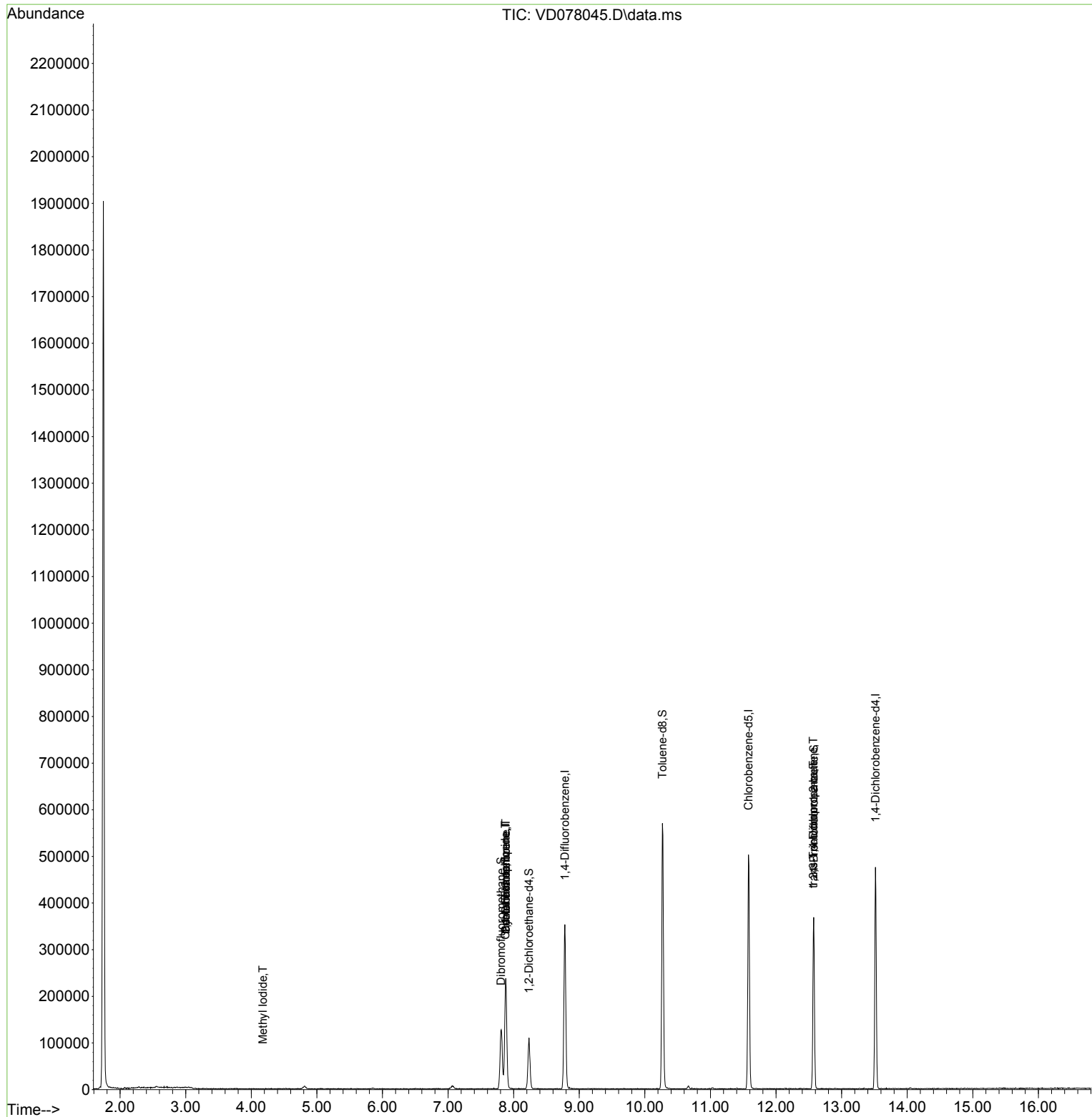
Internal Standards						
1) Pentafluorobenzene	7.881	168	176828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	312222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	288627	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	123333	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	77993	37.431	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	74.860%
35) Dibromofluoromethane	7.810	113	94618	43.264	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.520%
50) Toluene-d8	10.269	98	399684	45.630	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.260%
62) 4-Bromofluorobenzene	12.575	95	108004	41.242	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.480%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.175	142	64	6.771	ug/l #	46
11) Tert butyl alcohol	4.928	59	54	Below Cal	#	73
16) Acetone	4.022	43	207	Below Cal	#	32
20) Methylene Chloride	4.816	84	3963	Below Cal	#	92
25) 2-Butanone	7.081	43	248	Below Cal	#	20
31) Cyclohexane	7.881	56	4134	1.115	ug/l #	46
36) 1,1-Dichloropropene	7.881	75	14704	4.203	ug/l #	48
38) Carbon Tetrachloride	7.875	117	18070	5.181	ug/l #	18
76) 1,2,3-Trichloropropane	12.569	75	58033	54.178	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	58033	109.768	ug/l #	17
88) 1,4-Dichlorobenzene	13.522	146	152	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.410	75	131	Below Cal	#	1

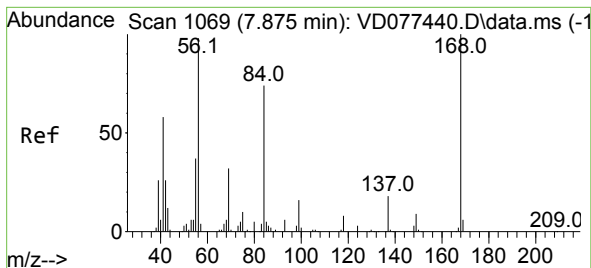
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD078045.D

Acq: 22 Dec 2023 02:04

Instrument :

MSVOA_D

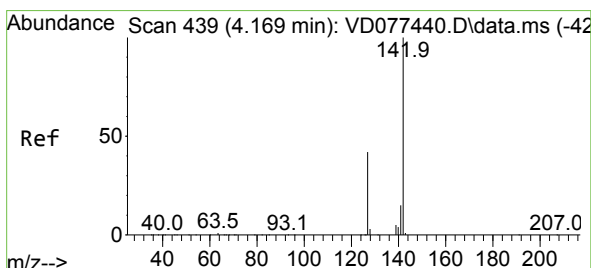
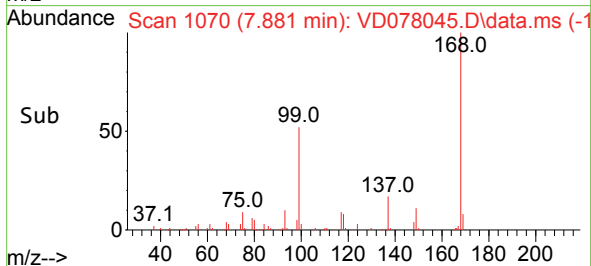
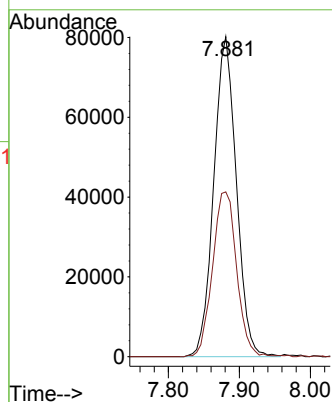
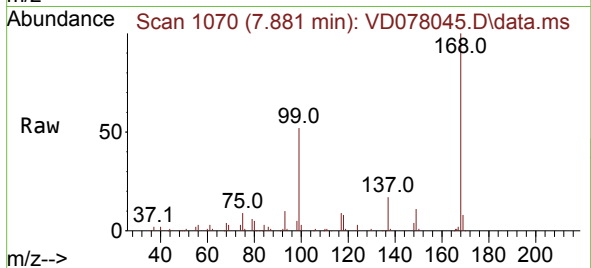
ClientSampleId :

Tgt Ion:168 Resp: 176828

Ion Ratio Lower Upper

168 100

99 51.5 36.7 55.1



#10

Methyl Iodide

Concen: 6.771 ug/l

RT: 4.175 min Scan# 440

Delta R.T. 0.006 min

Lab File: VD078045.D

Acq: 22 Dec 2023 02:04

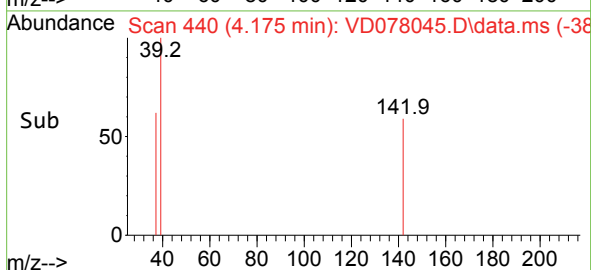
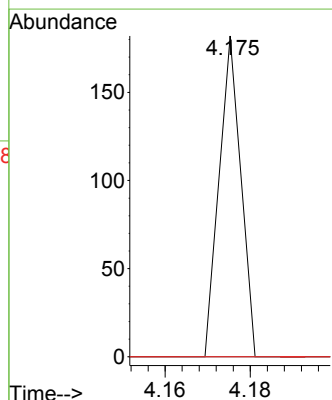
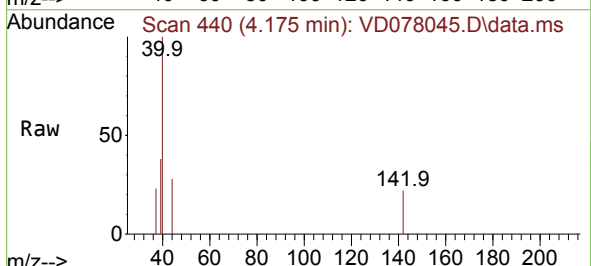
Tgt Ion:142 Resp: 64

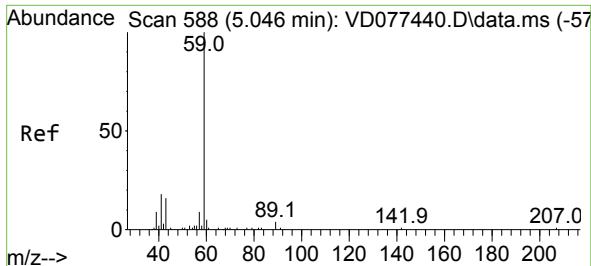
Ion Ratio Lower Upper

142 100

127 0.0 29.4 44.0#

141 0.0 11.1 16.7#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.928 min Scan# 5

Delta R.T. -0.118 min

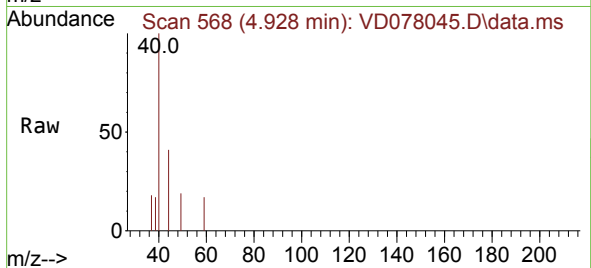
Lab File: VD078045.D

Acq: 22 Dec 2023 02:04

Instrument :

MSVOA_D

ClientSampleId :

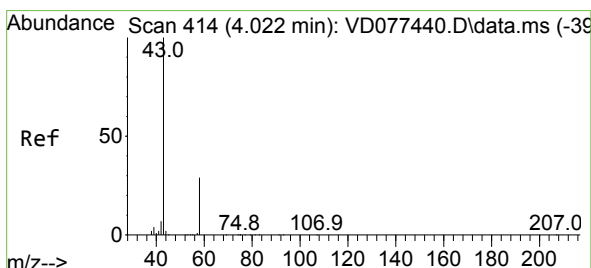
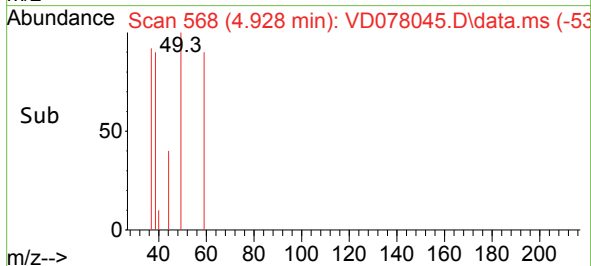
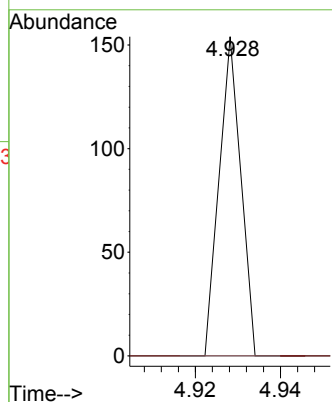


Tgt Ion: 59 Resp: 54

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#16

Acetone

Concen: Below Cal

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD078045.D

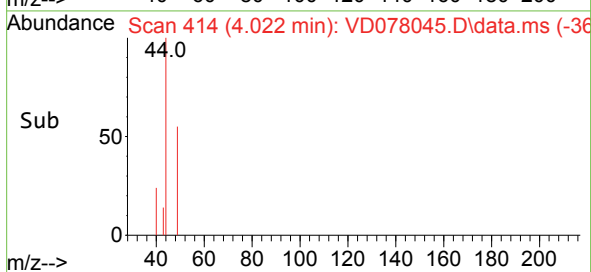
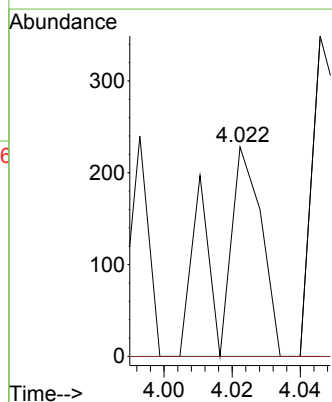
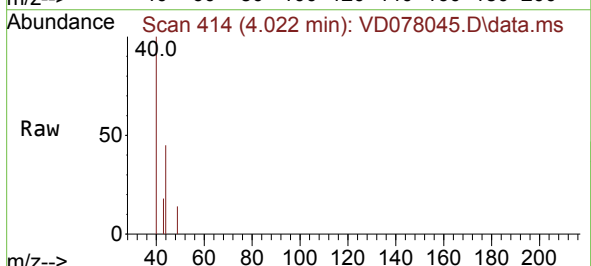
Acq: 22 Dec 2023 02:04

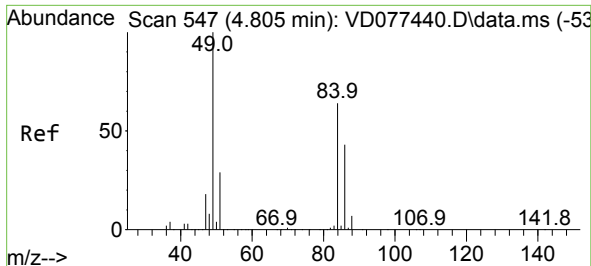
Tgt Ion: 43 Resp: 207

Ion Ratio Lower Upper

43 100

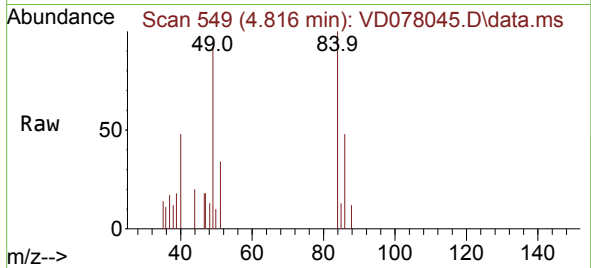
58 0.0 34.7 52.1#



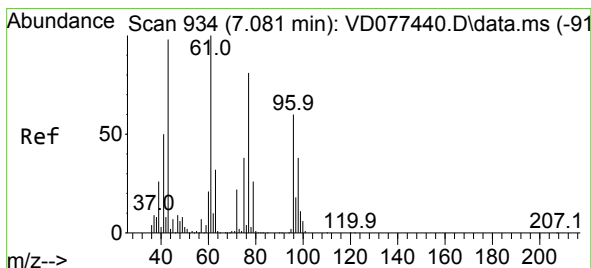
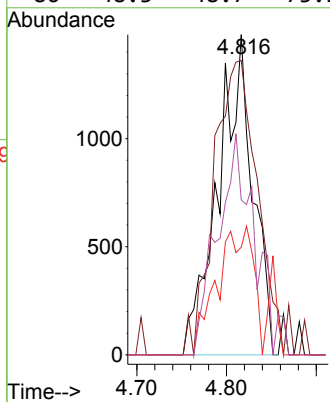
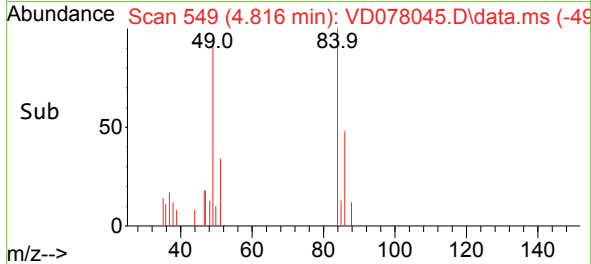


#20
Methylene Chloride
Concen: Below Cal
RT: 4.816 min Scan# 549
Delta R.T. 0.011 min
Lab File: VD078045.D
Acq: 22 Dec 2023 02:04

Instrument :
MSVOA_D
ClientSampleId :

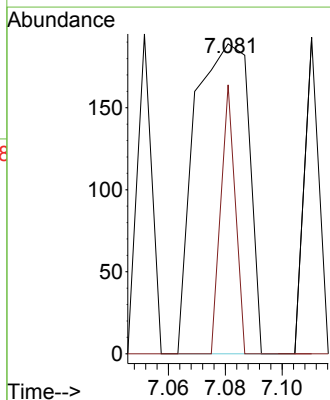
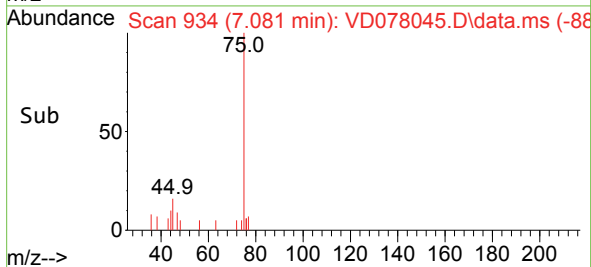
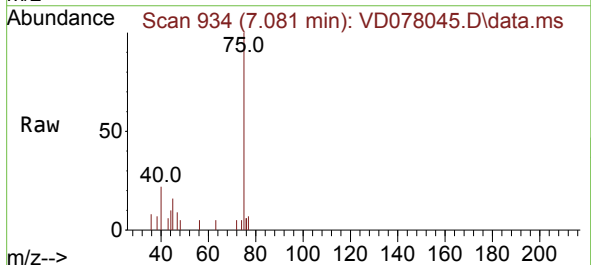


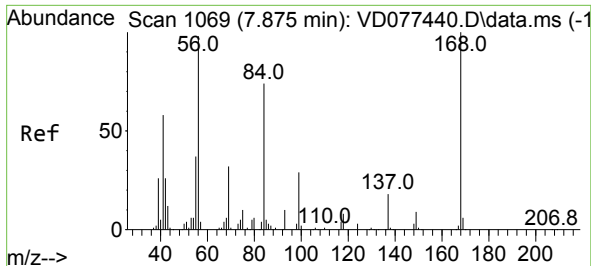
Tgt Ion: 84 Resp: 3963
Ion Ratio Lower Upper
84 100
49 92.0 71.4 107.2
51 33.6 24.5 36.7
86 48.3 48.7 73.1#



#25
2-Butanone
Concen: Below Cal
RT: 7.081 min Scan# 934
Delta R.T. -0.000 min
Lab File: VD078045.D
Acq: 22 Dec 2023 02:04

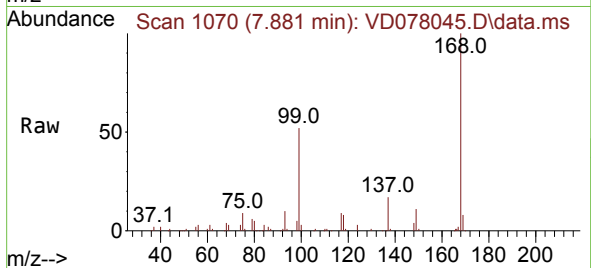
Tgt Ion: 43 Resp: 248
Ion Ratio Lower Upper
43 100
72 86.8 30.7 46.1#



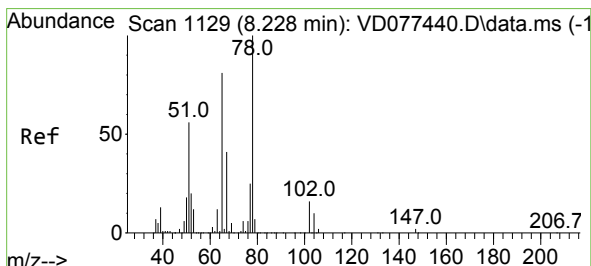
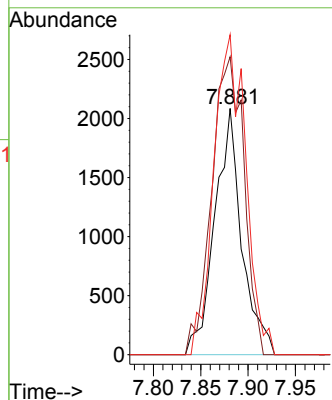
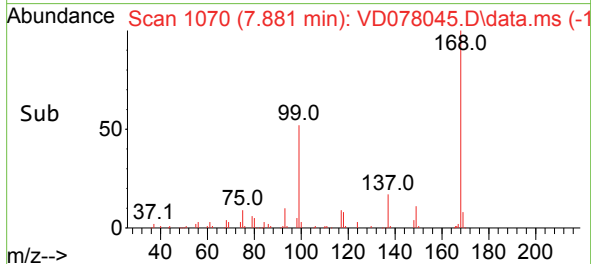


#31
Cyclohexane
Concen: 1.115 ug/l
RT: 7.881 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VD078045.D
Acq: 22 Dec 2023 02:04

Instrument :
MSVOA_D
ClientSampleId :

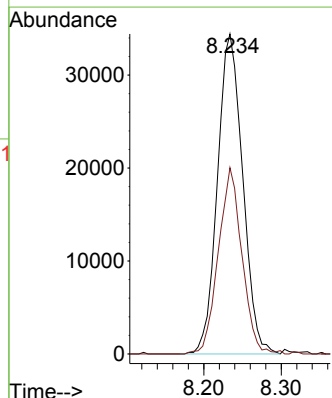
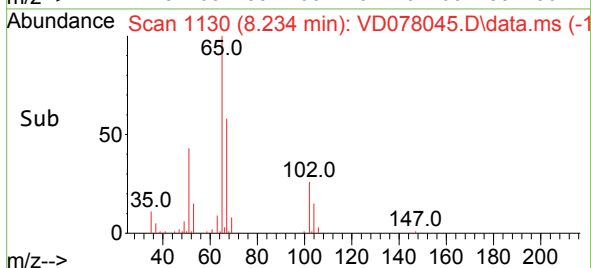
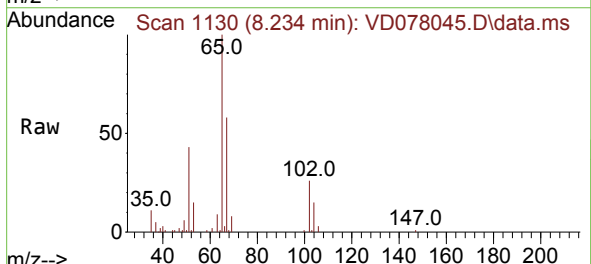


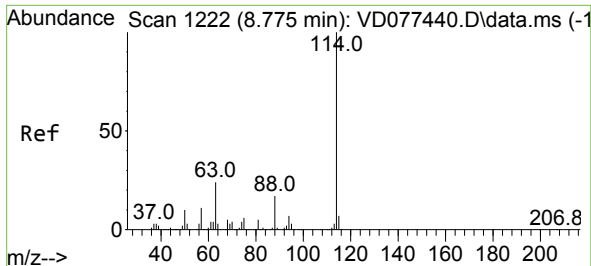
Tgt Ion: 56 Resp: 4134
Ion Ratio Lower Upper
56 100
69 121.0 28.6 43.0#
84 130.0 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 37.431 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD078045.D
Acq: 22 Dec 2023 02:04

Tgt Ion: 65 Resp: 77993
Ion Ratio Lower Upper
65 100
67 54.5 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD078045.D

Acq: 22 Dec 2023 02:04

Instrument :

MSVOA_D

ClientSampleId :

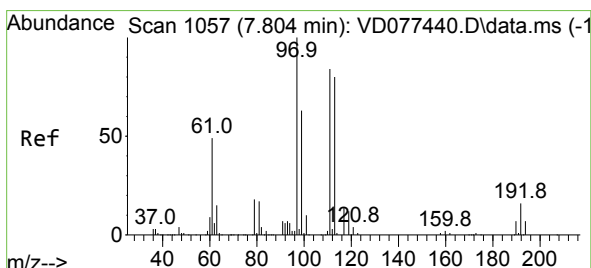
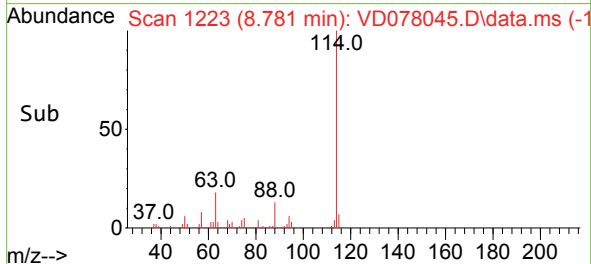
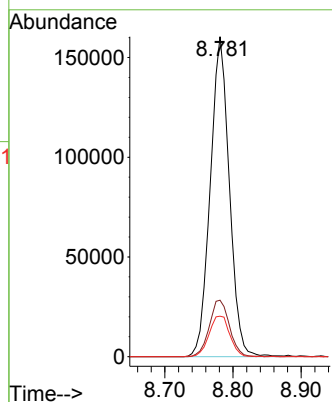
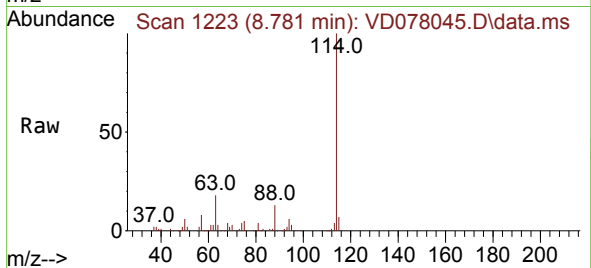
Tgt Ion:114 Resp: 312222

Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.4

88 12.6 0.0 26.2



#35

Dibromofluoromethane

Concen: 43.264 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD078045.D

Acq: 22 Dec 2023 02:04

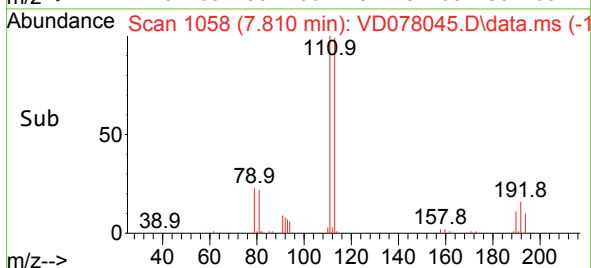
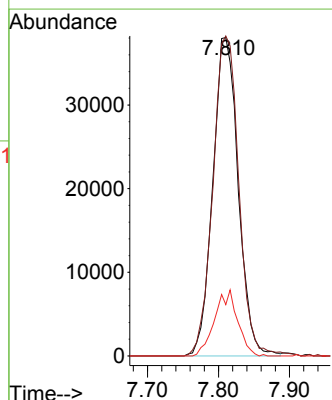
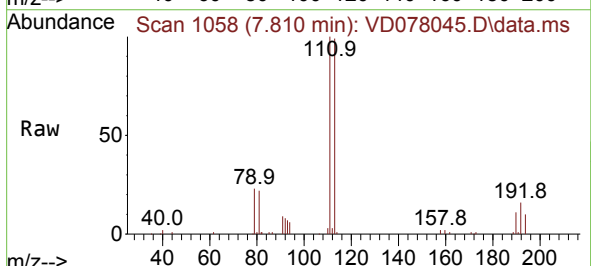
Tgt Ion:113 Resp: 94618

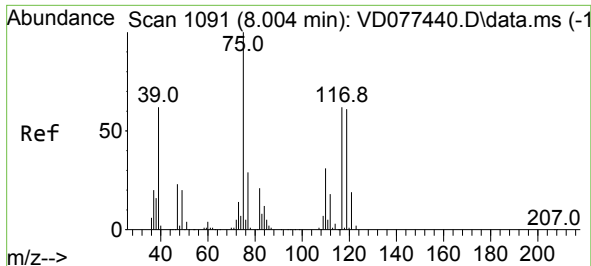
Ion Ratio Lower Upper

113 100

111 102.5 84.7 127.1

192 18.7 16.8 25.2

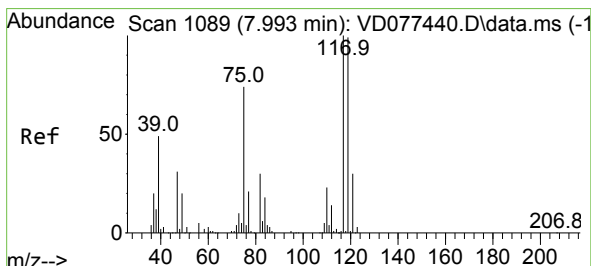
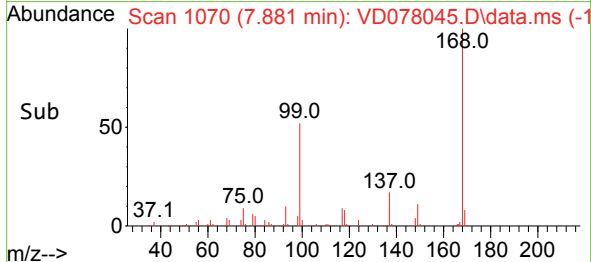
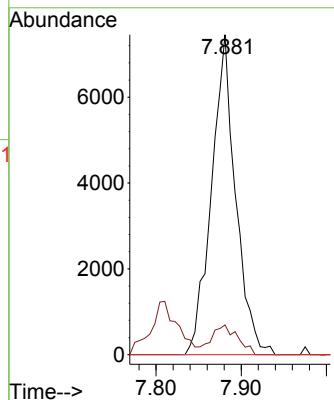
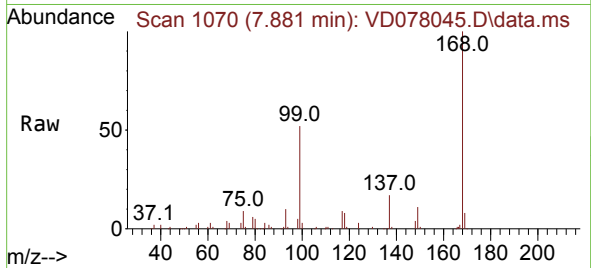




#36
1,1-Dichloropropene
Concen: 4.203 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. -0.123 min
Lab File: VD078045.D
Acq: 22 Dec 2023 02:04

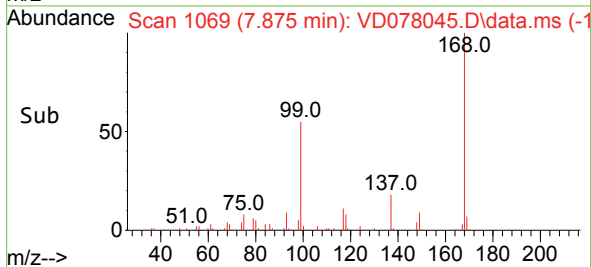
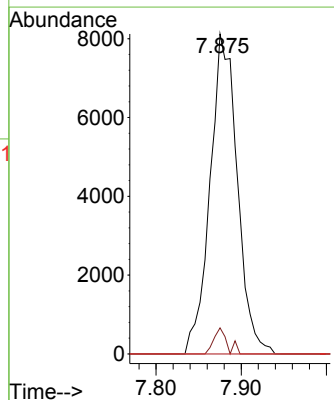
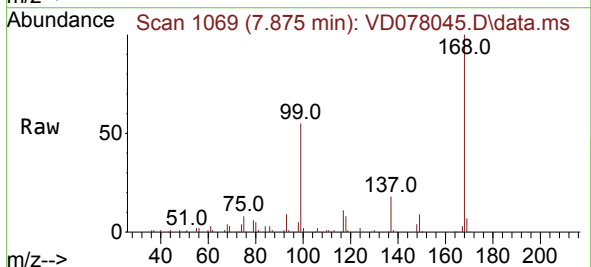
Instrument :
MSVOA_D
ClientSampleId :

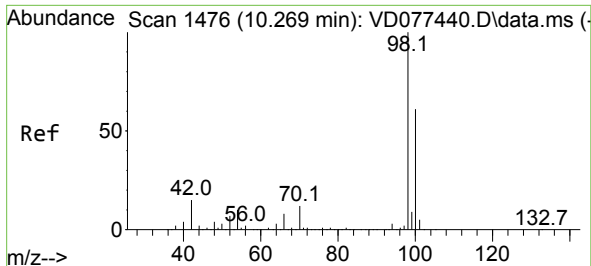
Tgt Ion: 75 Resp: 14704
Ion Ratio Lower Upper
75 100
110 9.9 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.181 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD078045.D
Acq: 22 Dec 2023 02:04

Tgt Ion: 117 Resp: 18070
Ion Ratio Lower Upper
117 100
119 8.1 78.0 117.0#
121 0.0 24.2 36.2#

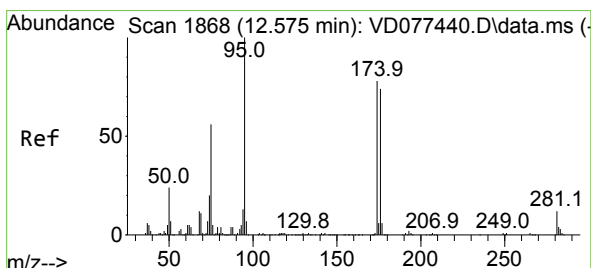
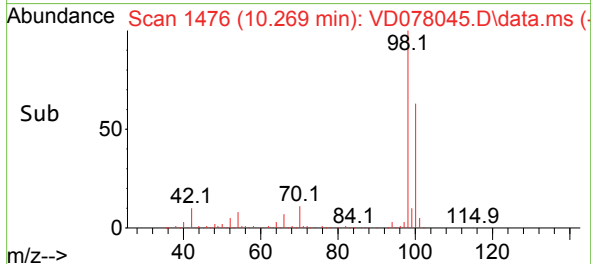
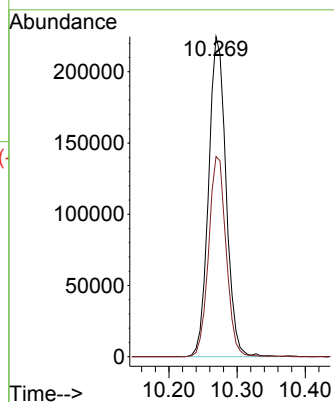
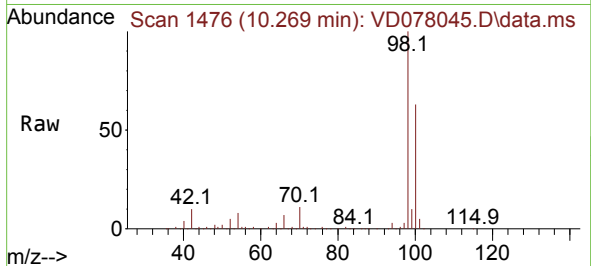




#50
Toluene-d8
Concen: 45.630 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078045.D
Acq: 22 Dec 2023 02:04

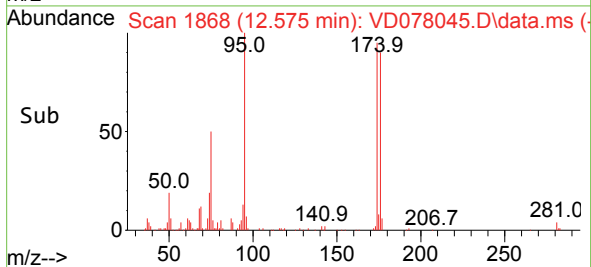
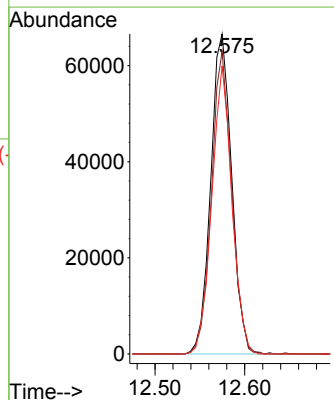
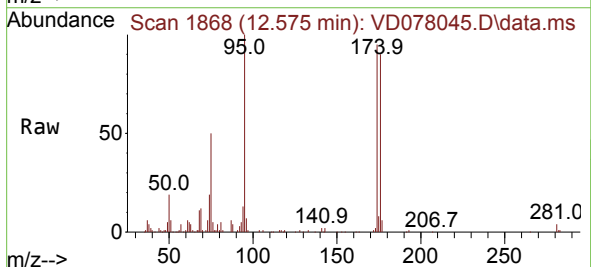
Instrument :
MSVOA_D
ClientSampleId :

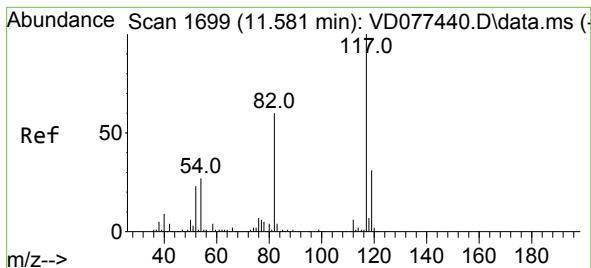
Tgt Ion: 98 Resp: 399684
Ion Ratio Lower Upper
98 100
100 62.6 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 41.242 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078045.D
Acq: 22 Dec 2023 02:04

Tgt Ion: 95 Resp: 108004
Ion Ratio Lower Upper
95 100
174 91.0 0.0 201.8
176 86.4 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD078045.D

Acq: 22 Dec 2023 02:04

Instrument :

MSVOA_D

ClientSampleId :

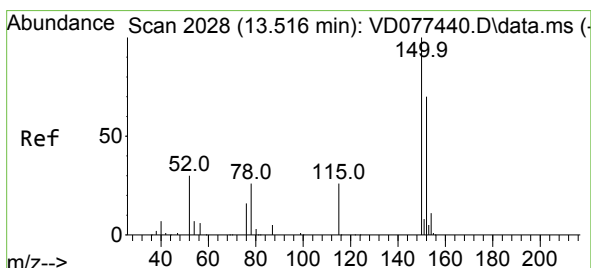
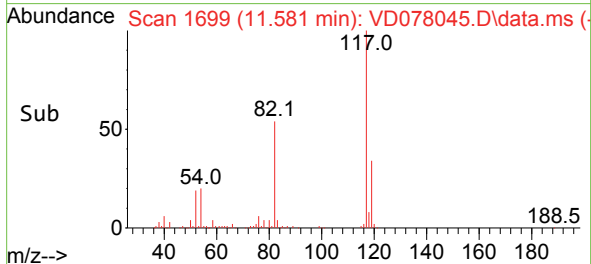
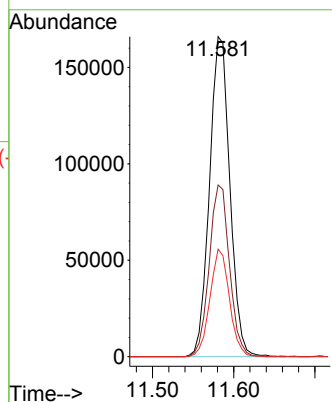
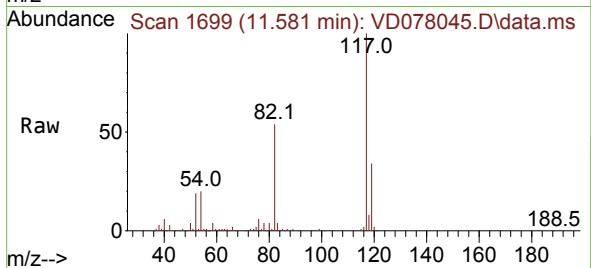
Tgt Ion:117 Resp: 288627

Ion Ratio Lower Upper

117 100

82 53.6 38.3 57.5

119 33.6 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.000 min

Lab File: VD078045.D

Acq: 22 Dec 2023 02:04

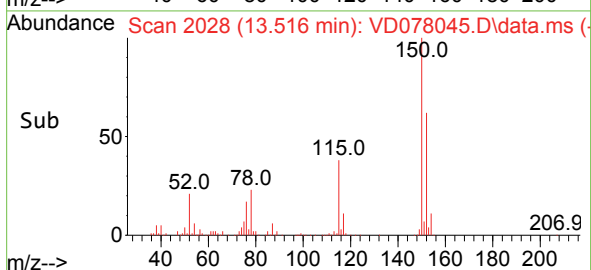
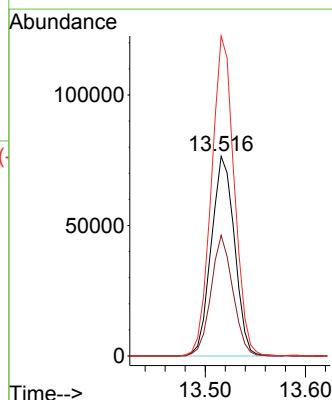
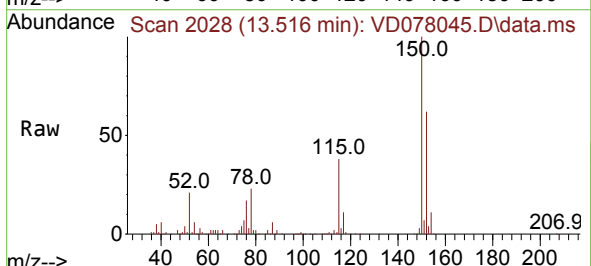
Tgt Ion:152 Resp: 123333

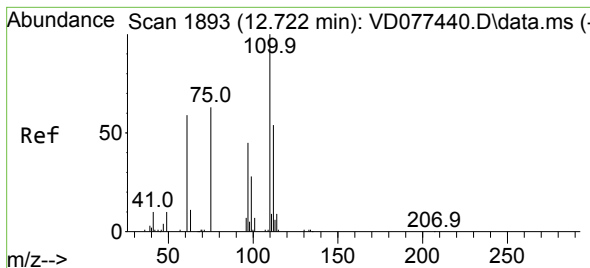
Ion Ratio Lower Upper

152 100

115 56.8 27.1 81.3

150 157.2 0.0 353.6

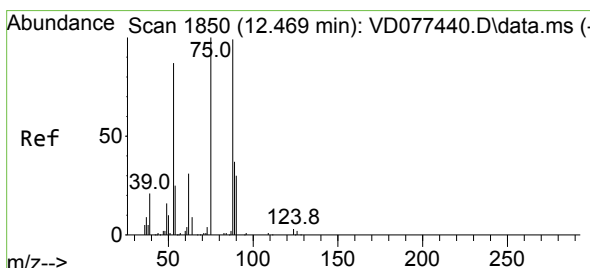
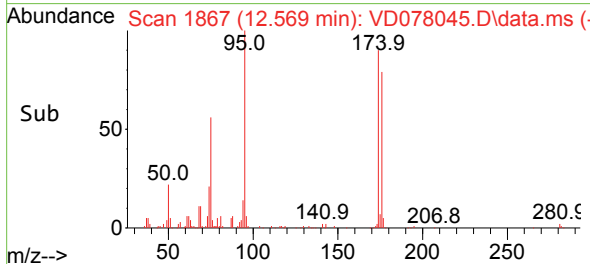
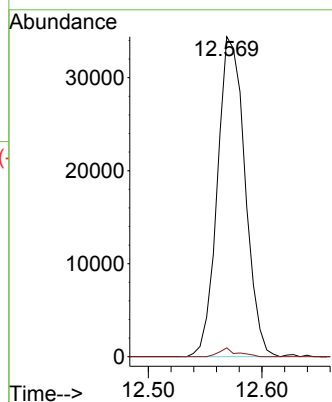
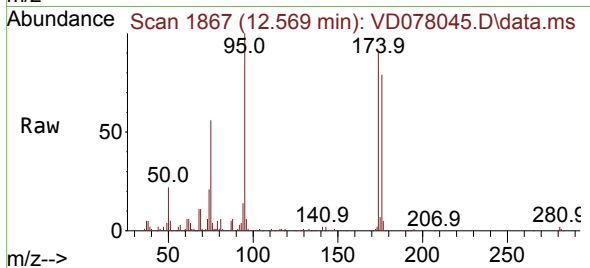




#76
1,2,3-Trichloropropane
Concen: 54.178 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD078045.D
Acq: 22 Dec 2023 02:04

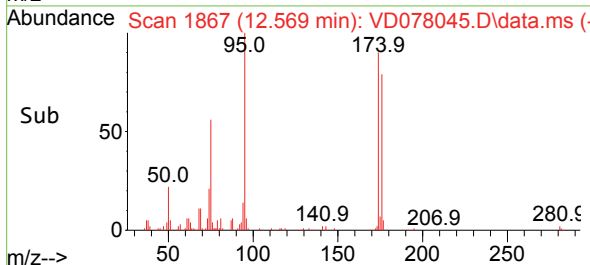
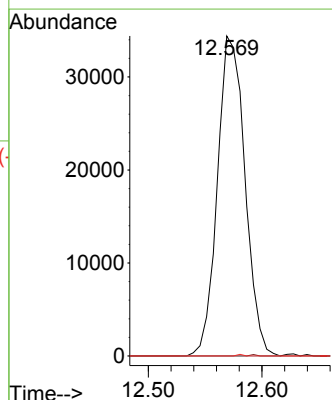
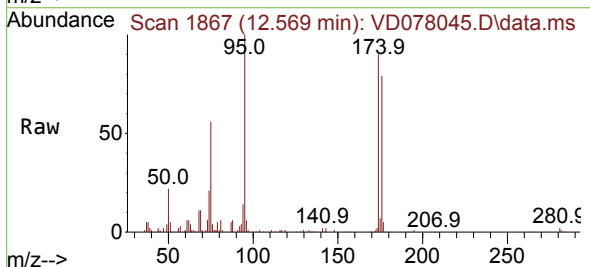
Instrument :
MSVOA_D
ClientSampleId :

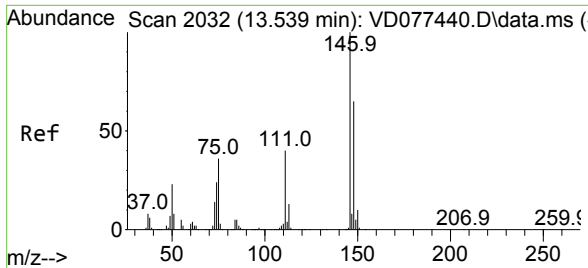
Tgt Ion: 75 Resp: 58033
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.768 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD078045.D
Acq: 22 Dec 2023 02:04

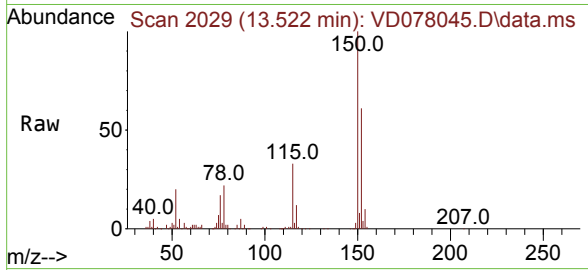
Tgt Ion: 75 Resp: 58033
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.522 min Scan# 20
 Delta R.T. -0.017 min
 Lab File: VD078045.D
 Acq: 22 Dec 2023 02:04

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	146	Resp:	152
Ion	Ratio	Lower	Upper
146	100		
111	1082.2	17.4	52.3#
148	559.2	31.7	95.1#

