

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122123\
 Data File : VD078052.D
 Acq On : 22 Dec 2023 05:13
 Operator : RP/MD
 Sample : 05877-20
 Misc : 5.28G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 22 07:53:46 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)

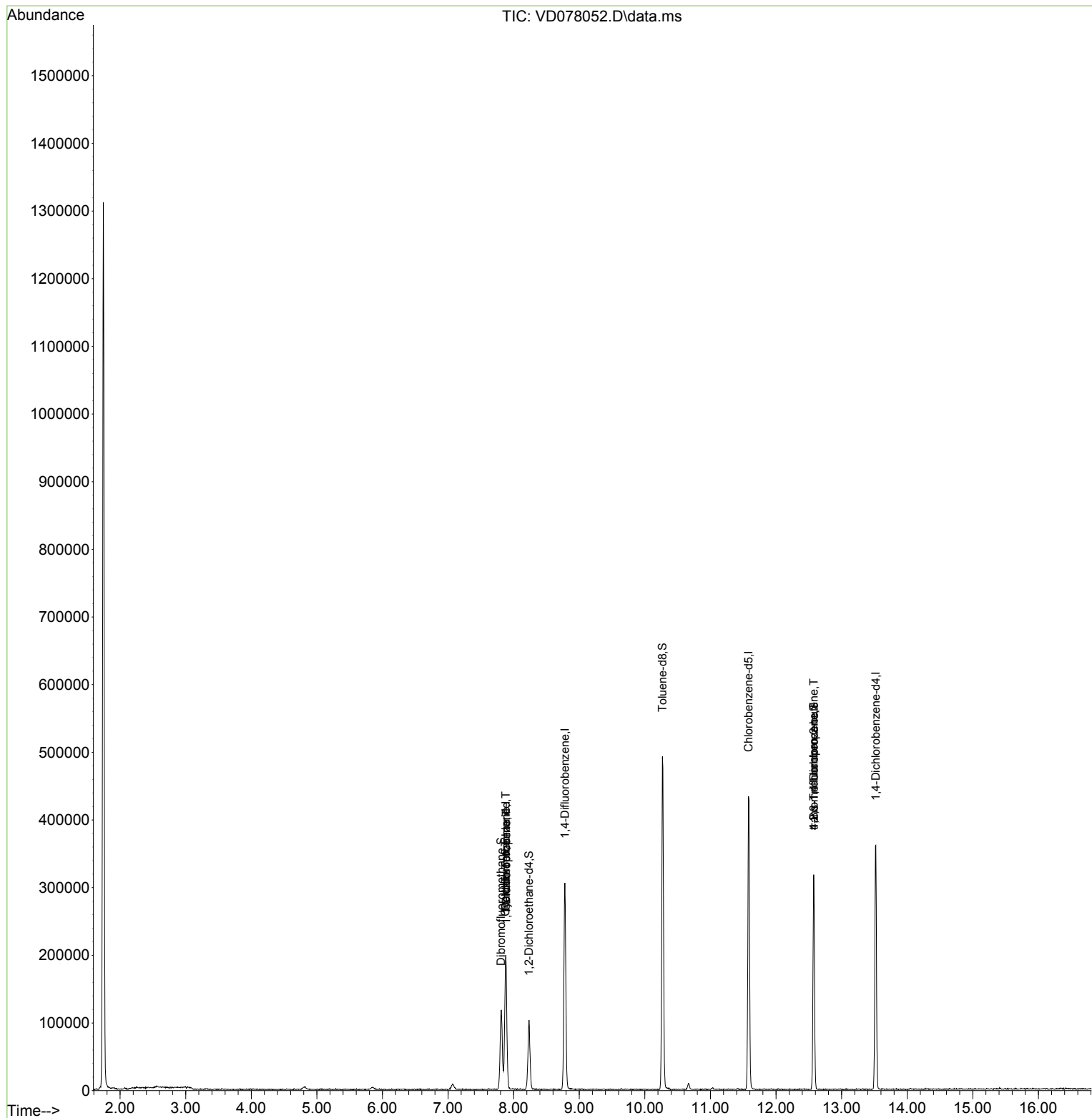
Internal Standards						
1) Pentafluorobenzene	7.881	168	148573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	274677	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	253629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	99704	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	74114	42.333	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.660%
35) Dibromofluoromethane	7.810	113	85089	44.225	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.440%
50) Toluene-d8	10.269	98	344886	44.756	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.520%
62) 4-Bromofluorobenzene	12.575	95	93111	40.415	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.820%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.052	59	265	Below Cal	#	73
16) Acetone	4.005	43	169	Below Cal	#	32
20) Methylene Chloride	4.805	84	1880	Below Cal	#	72
25) 2-Butanone	7.087	43	211	Below Cal	#	37
31) Cyclohexane	7.875	56	3616	1.161	ug/l #	62
36) 1,1-Dichloropropene	7.887	75	12503	4.063	ug/l #	47
38) Carbon Tetrachloride	7.881	117	15832	5.160	ug/l #	15
76) 1,2,3-Trichloropropane	12.575	75	48571	56.091	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	48571	113.644	ug/l #	17

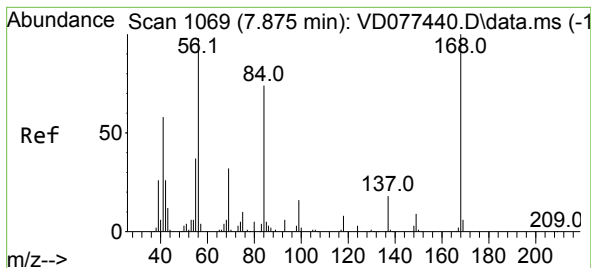
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD078052.D

Acq: 22 Dec 2023 05:13

Instrument :

MSVOA_D

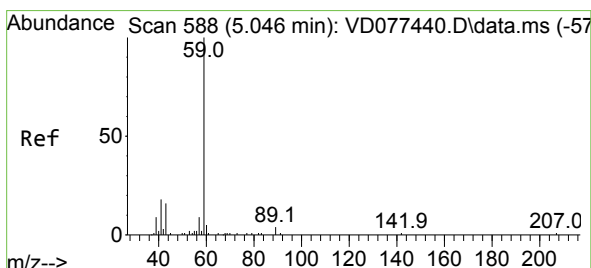
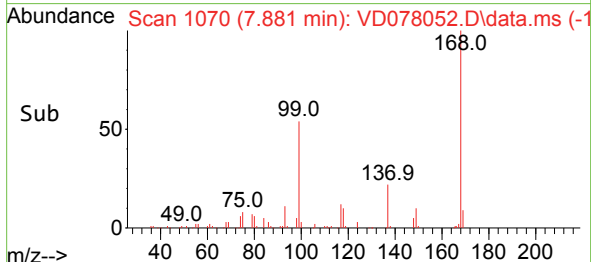
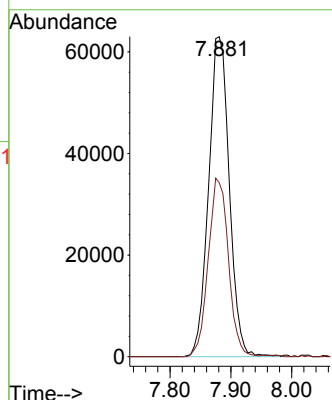
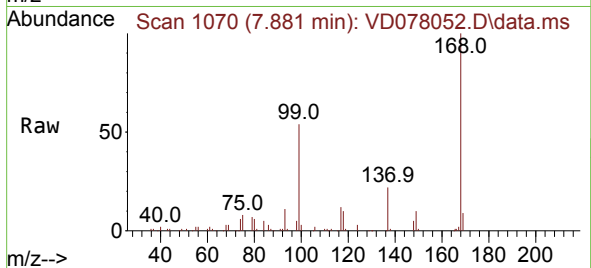
ClientSampleId :

Tgt Ion:168 Resp: 148573

Ion Ratio Lower Upper

168 100

99 54.3 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: VD078052.D

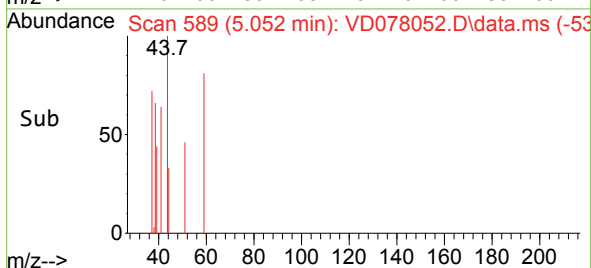
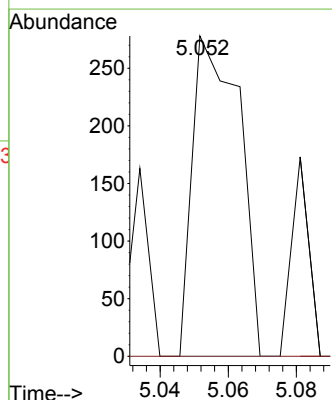
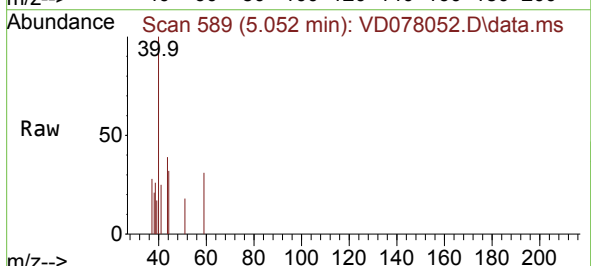
Acq: 22 Dec 2023 05:13

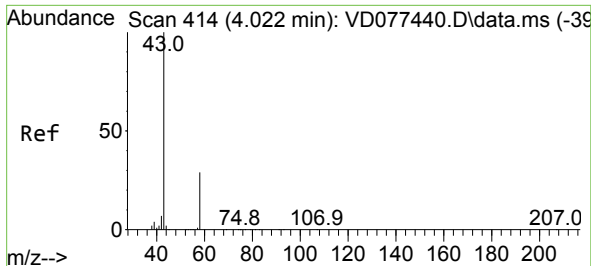
Tgt Ion: 59 Resp: 265

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

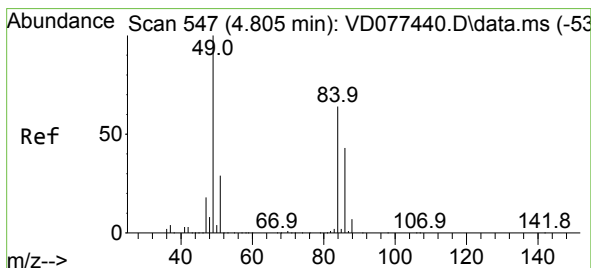
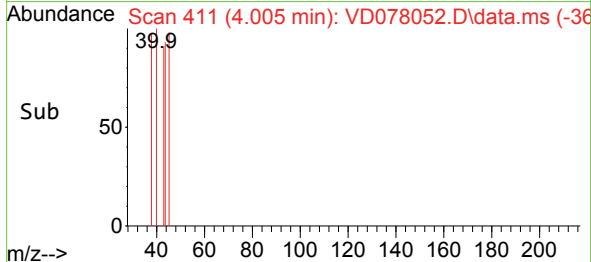
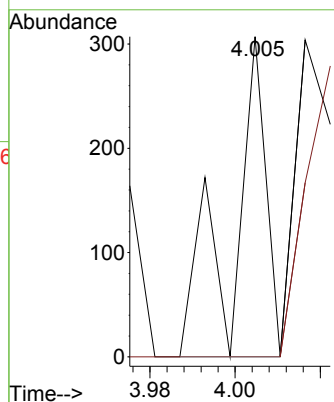
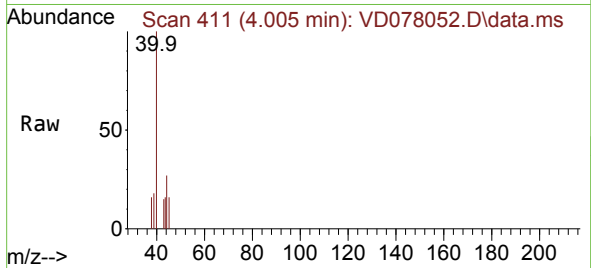




#16
Acetone
Concen: Below Cal
RT: 4.005 min Scan# 414
Delta R.T. -0.017 min
Lab File: VD078052.D
Acq: 22 Dec 2023 05:13

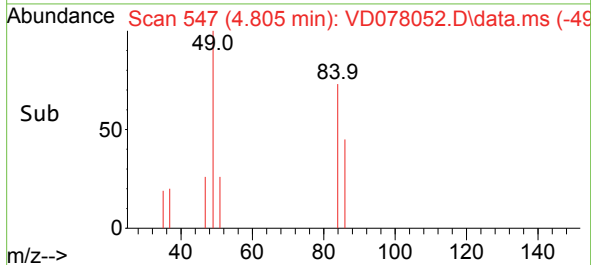
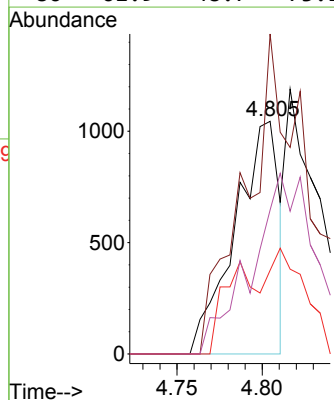
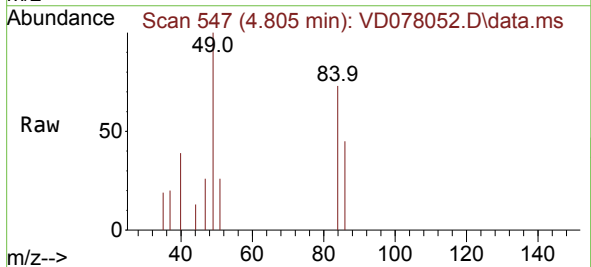
Instrument :
MSVOA_D
ClientSampleId :

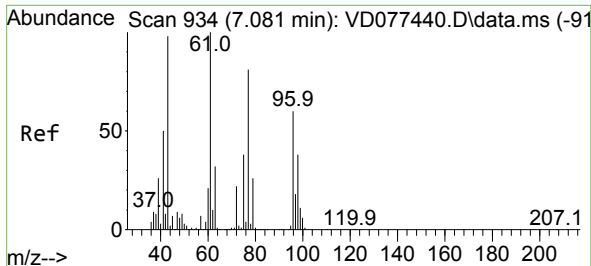
Tgt Ion: 43 Resp: 169
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD078052.D
Acq: 22 Dec 2023 05:13

Tgt Ion: 84 Resp: 1880
Ion Ratio Lower Upper
84 100
49 137.5 71.4 107.2#
51 36.0 24.5 36.7
86 61.9 48.7 73.1

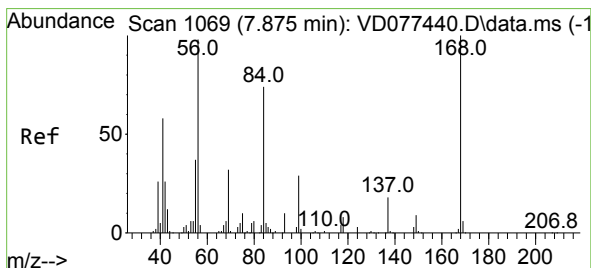
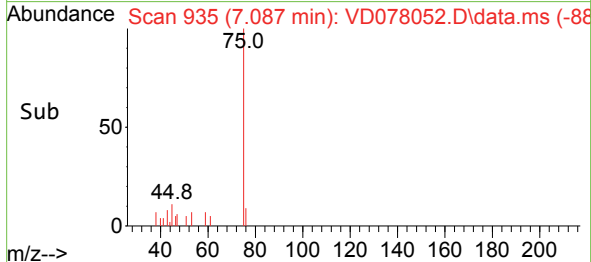
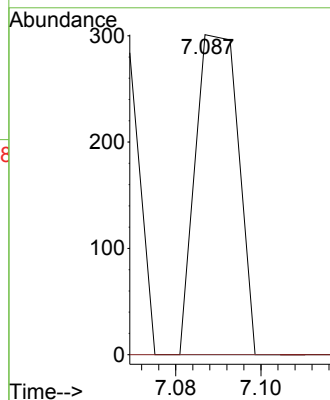
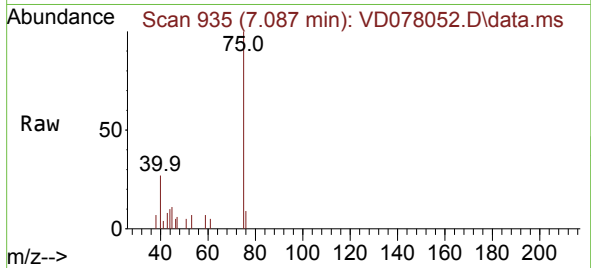




#25
2-Butanone
Concen: Below Cal
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD078052.D
Acq: 22 Dec 2023 05:13

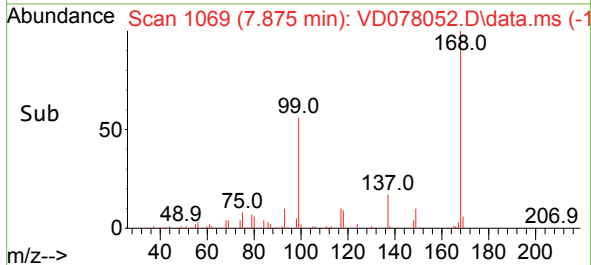
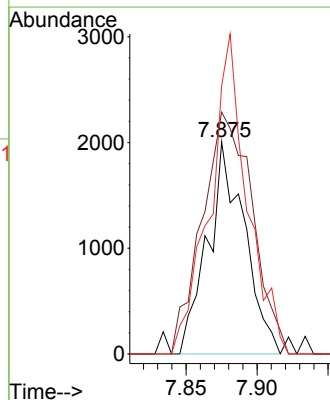
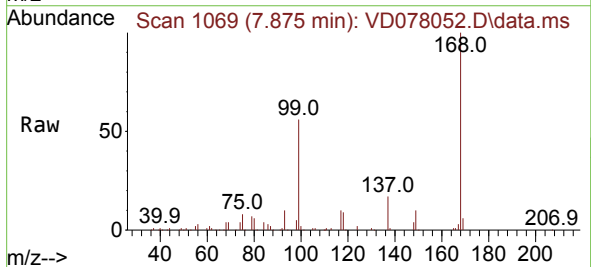
Instrument :
MSVOA_D
ClientSampleId :

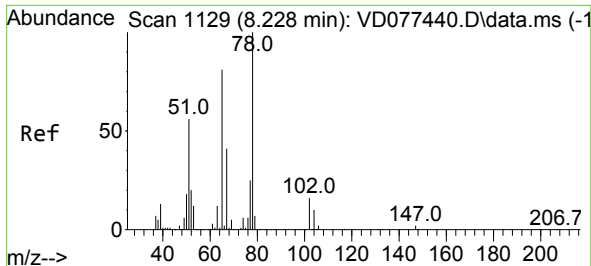
Tgt Ion: 43 Resp: 211
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.161 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD078052.D
Acq: 22 Dec 2023 05:13

Tgt Ion: 56 Resp: 3616
Ion Ratio Lower Upper
56 100
69 102.8 28.6 43.0#
84 118.3 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 42.333 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD078052.D

Acq: 22 Dec 2023 05:13

Instrument :

MSVOA_D

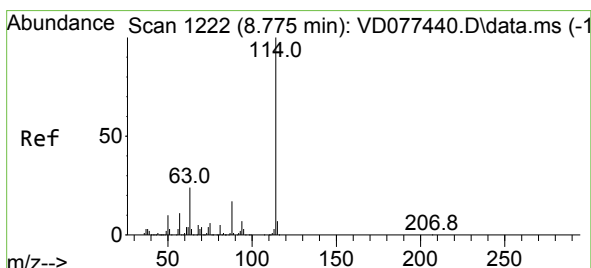
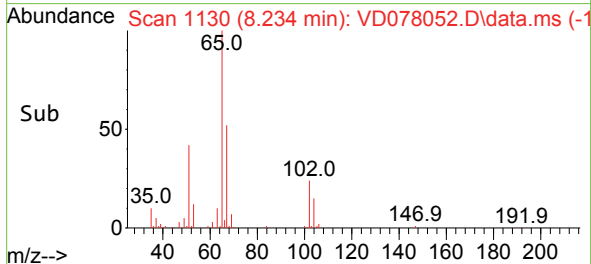
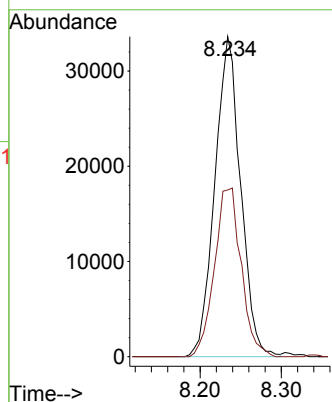
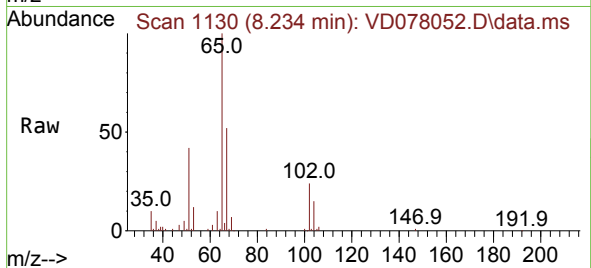
ClientSampleId :

Tgt Ion: 65 Resp: 74114

Ion Ratio Lower Upper

65 100

67 54.8 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: VD078052.D

Acq: 22 Dec 2023 05:13

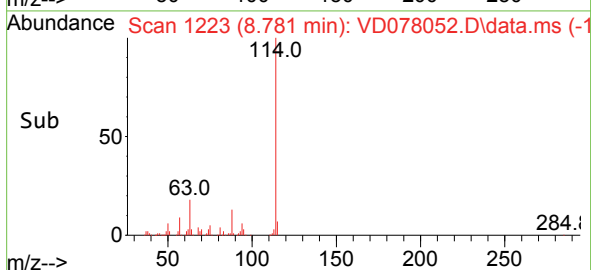
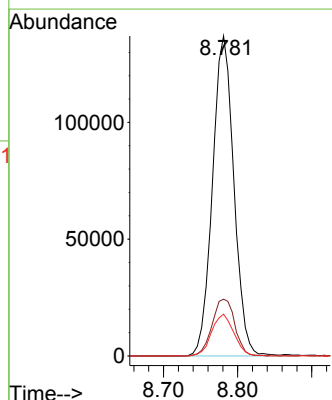
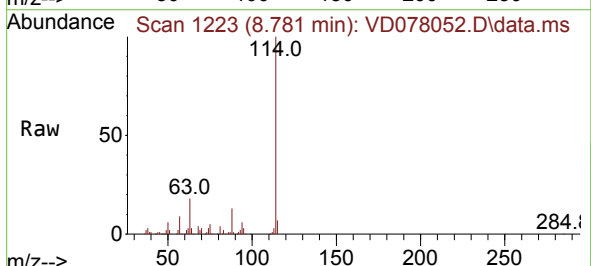
Tgt Ion:114 Resp: 274677

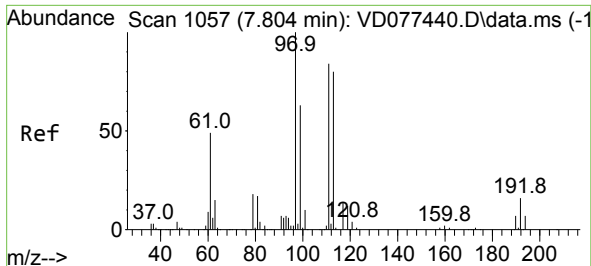
Ion Ratio Lower Upper

114 100

63 17.8 0.0 33.4

88 13.1 0.0 26.2





#35

Dibromofluoromethane

Concen: 44.225 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

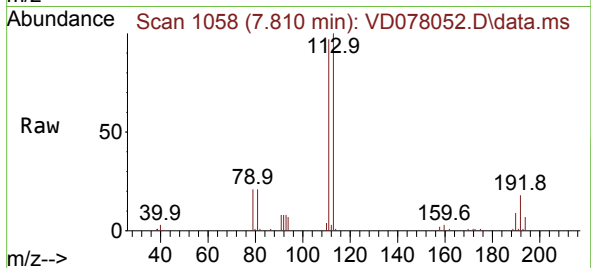
Lab File: VD078052.D

Acq: 22 Dec 2023 05:13

Instrument :

MSVOA_D

ClientSampleId :



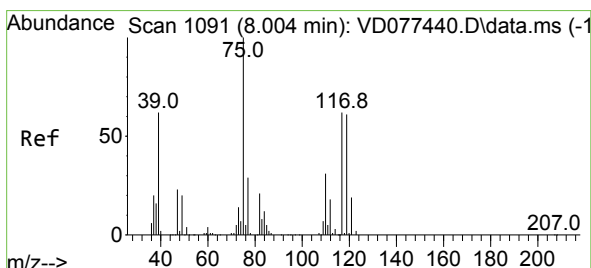
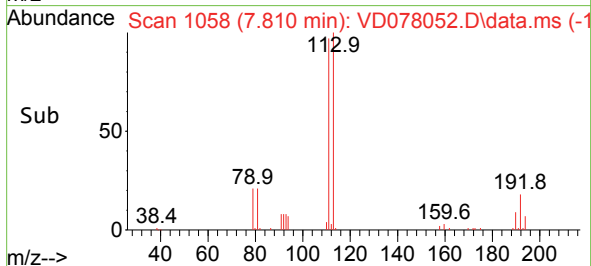
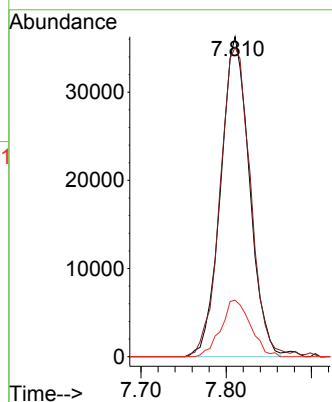
Tgt Ion:113 Resp: 85089

Ion Ratio Lower Upper

113 100

111 102.1 84.7 127.1

192 18.2 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.063 ug/l

RT: 7.887 min Scan# 1071

Delta R.T. -0.117 min

Lab File: VD078052.D

Acq: 22 Dec 2023 05:13

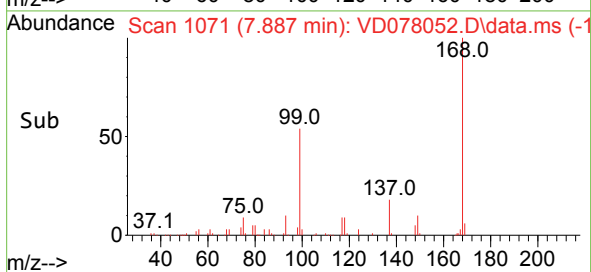
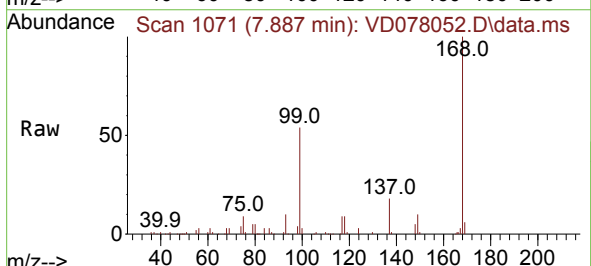
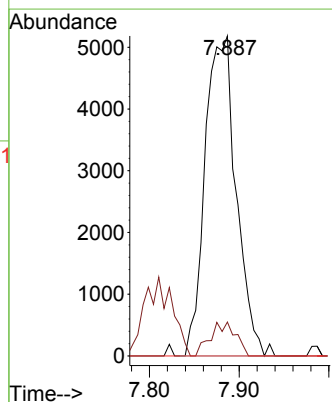
Tgt Ion: 75 Resp: 12503

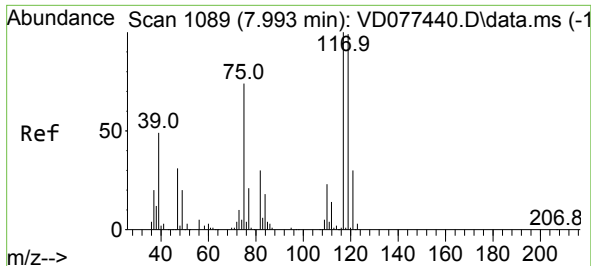
Ion Ratio Lower Upper

75 100

110 8.6 19.9 59.6#

77 0.0 24.7 37.1#

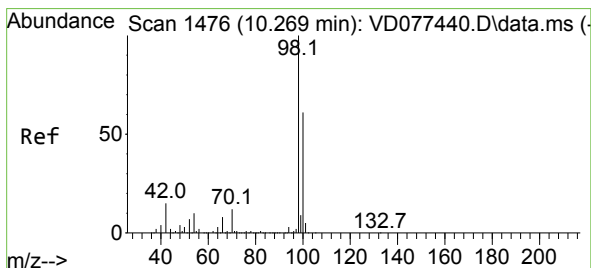
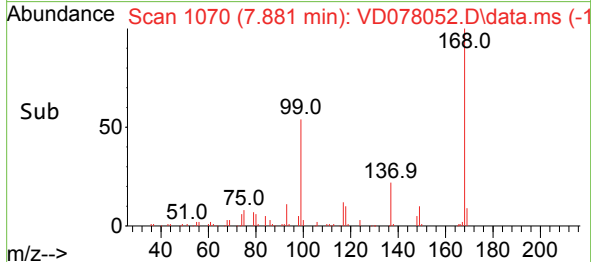
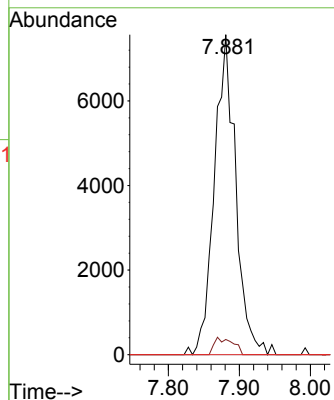
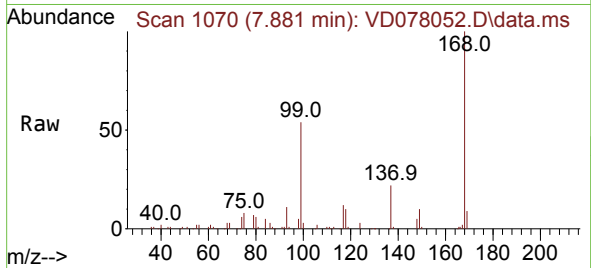




#38
Carbon Tetrachloride
Concen: 5.160 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD078052.D
Acq: 22 Dec 2023 05:13

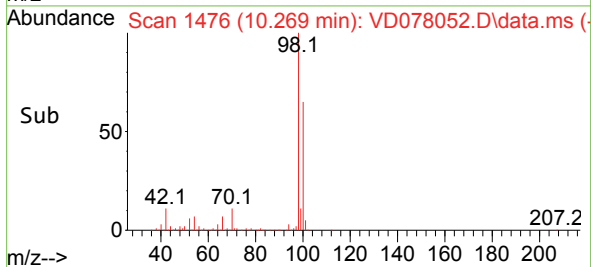
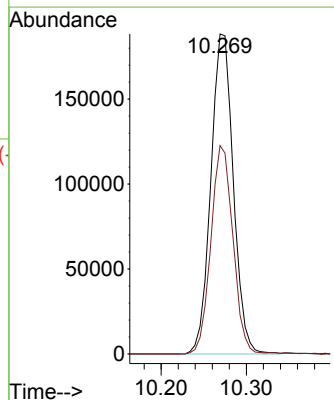
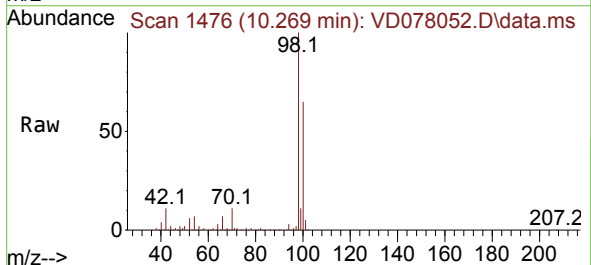
Instrument :
MSVOA_D
ClientSampleId :

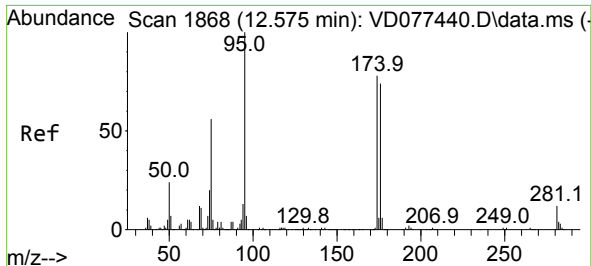
Tgt Ion:117 Resp: 15832
Ion Ratio Lower Upper
117 100
119 4.7 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 44.756 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078052.D
Acq: 22 Dec 2023 05:13

Tgt Ion: 98 Resp: 344886
Ion Ratio Lower Upper
98 100
100 64.0 50.3 75.5

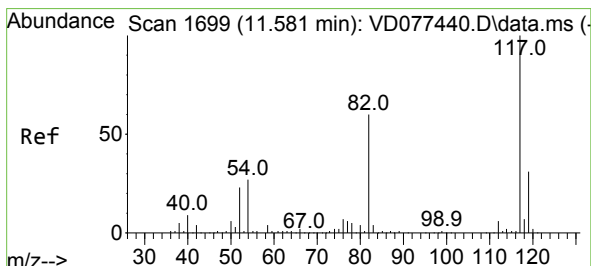
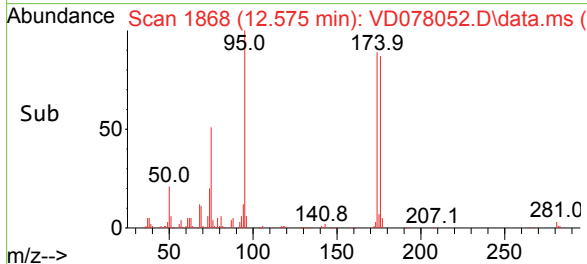
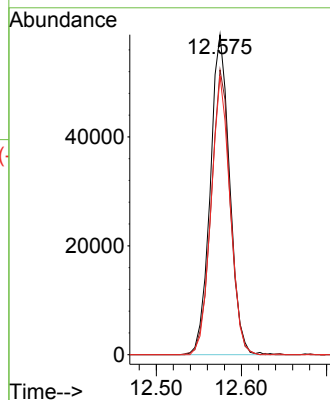
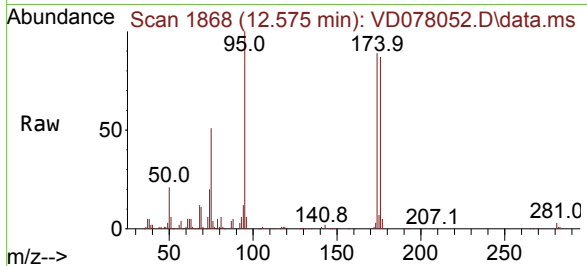




#62
4-Bromofluorobenzene
Concen: 40.415 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078052.D
Acq: 22 Dec 2023 05:13

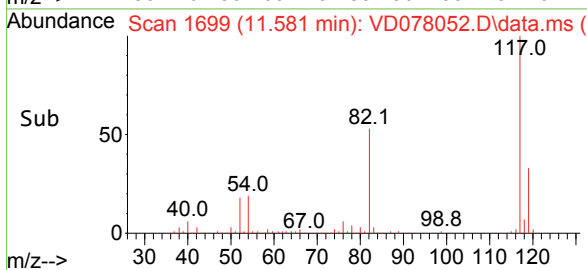
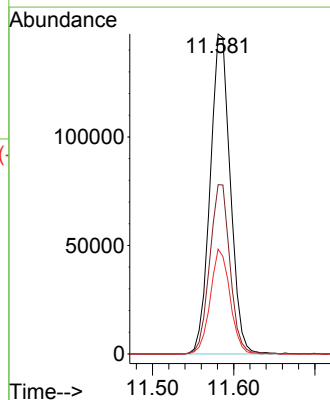
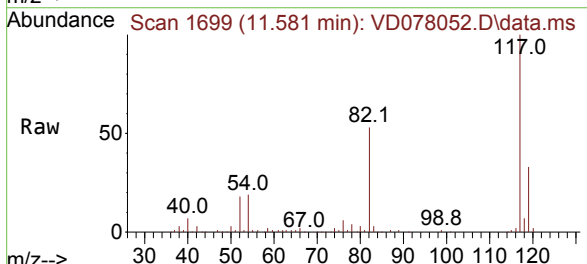
Instrument :
MSVOA_D
ClientSampleId :

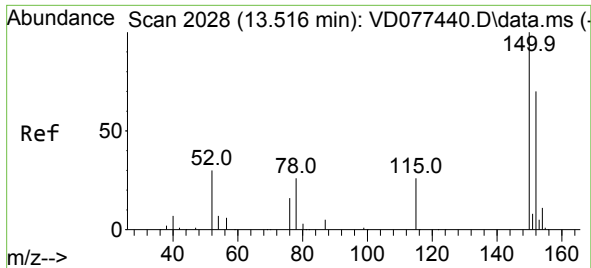
Tgt Ion: 95 Resp: 93111
Ion Ratio Lower Upper
95 100
174 87.3 0.0 201.8
176 85.0 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD078052.D
Acq: 22 Dec 2023 05:13

Tgt Ion: 117 Resp: 253629
Ion Ratio Lower Upper
117 100
82 52.9 38.3 57.5
119 32.7 25.0 37.4

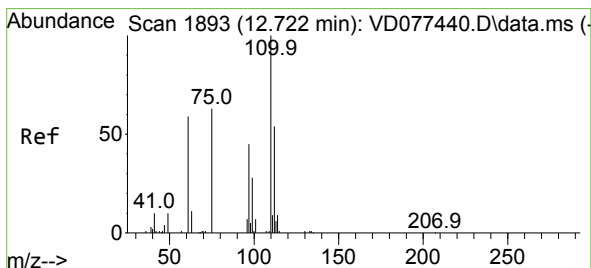
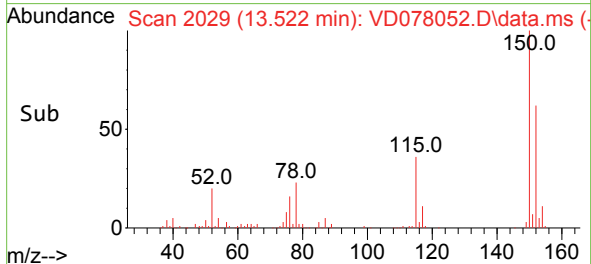
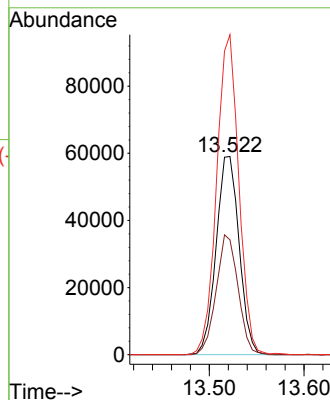
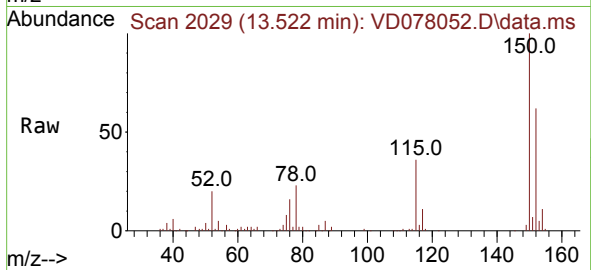




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VD078052.D
 Acq: 22 Dec 2023 05:13

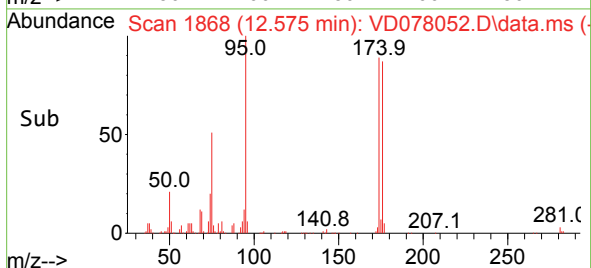
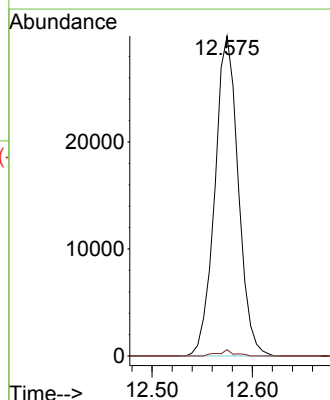
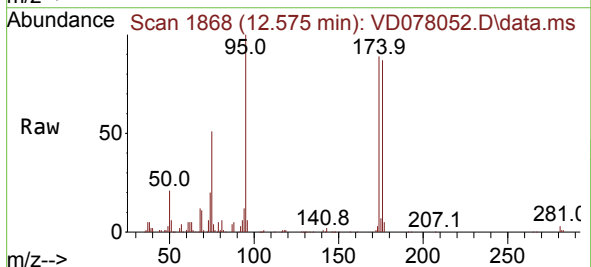
Instrument :
 MSVOA_D
 ClientSampleId :

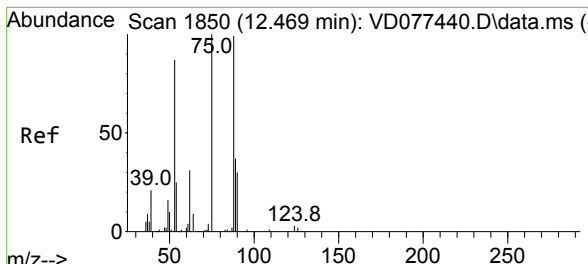
Tgt Ion:152 Resp: 99704
 Ion Ratio Lower Upper
 152 100
 115 57.6 27.1 81.3
 150 155.6 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 56.091 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD078052.D
 Acq: 22 Dec 2023 05:13

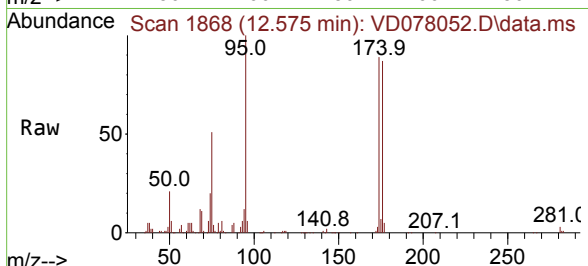
Tgt Ion: 75 Resp: 48571
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.644 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD078052.D
 Acq: 22 Dec 2023 05:13

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	48571
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.1	37.9	56.9#

