

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
 Data File : VD077980.D
 Acq On : 19 Dec 2023 18:00
 Operator : RP/MD
 Sample : 05791-03
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 20 02:07:54 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)

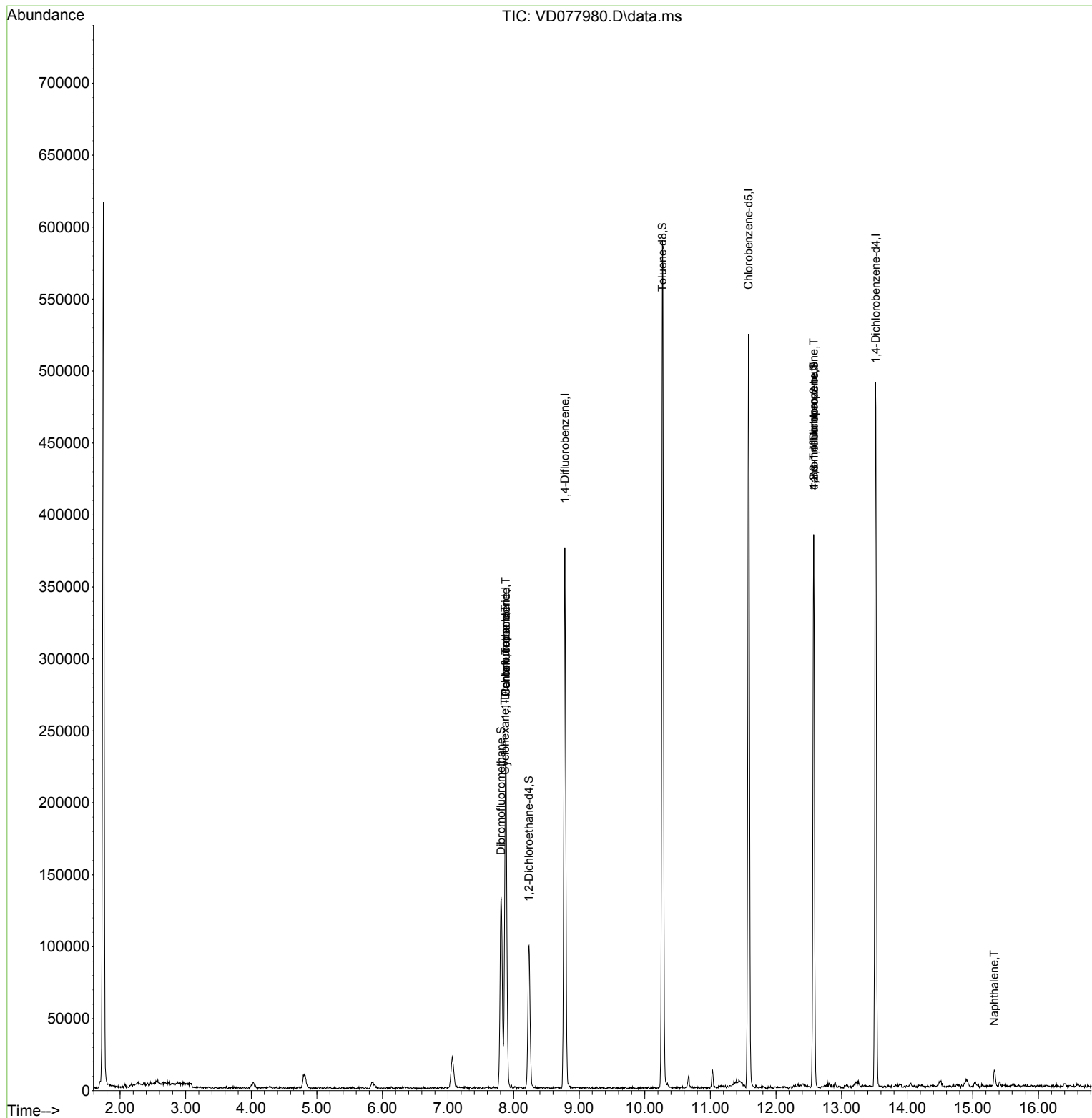
Internal Standards						
1) Pentafluorobenzene	7.881	168	184671	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	328932	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	310085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	129548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	77891	35.794	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	71.580%
35) Dibromofluoromethane	7.810	113	97000	42.100	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.200%
50) Toluene-d8	10.269	98	417841	45.279	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.560%
62) 4-Bromofluorobenzene	12.575	95	117542	42.604	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.200%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.052	59	190	Below Cal	#	73
16) Acetone	4.028	43	6535	Below Cal		99
20) Methylene Chloride	4.816	84	7586	Below Cal	#	85
25) 2-Butanone	7.063	43	1261	Below Cal		88
31) Cyclohexane	7.869	56	4245	1.097	ug/l #	27
36) 1,1-Dichloropropene	7.875	75	15126	4.104	ug/l #	51
38) Carbon Tetrachloride	7.881	117	17875	4.865	ug/l #	14
65) Chlorobenzene	11.616	112	58	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	61261	54.448	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	61261	110.315	ug/l #	17
88) 1,4-Dichlorobenzene	13.534	146	127	Below Cal	#	26
92) 1,2-Dibromo-3-Chloropr...	14.187	75	54	Below Cal	#	1
95) Naphthalene	15.328	128	11085	2.432	ug/l #	95

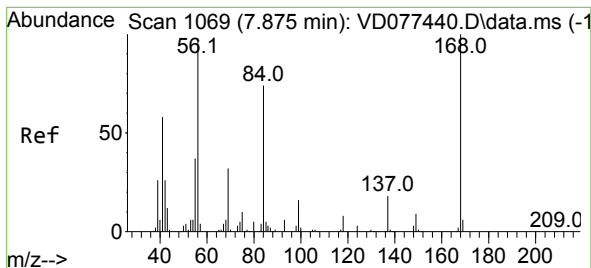
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
Data File : VD077980.D
Acq On : 19 Dec 2023 18:00
Operator : RP/MD
Sample : 05791-03
Misc : 5.05G/5.0ml/MSVOA_D/SOIL/B
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 20 02:07:54 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VD077980.D

Acq: 19 Dec 2023 18:00

Instrument :

MSVOA_D

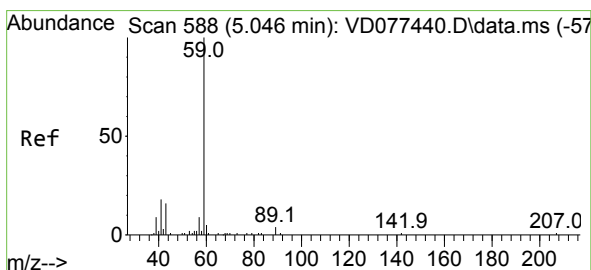
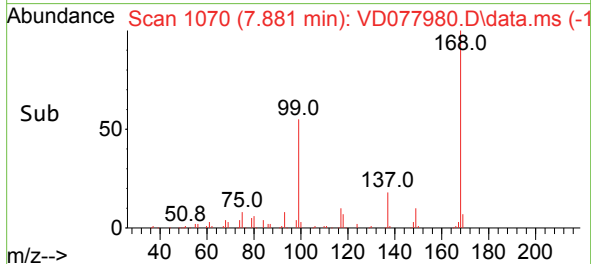
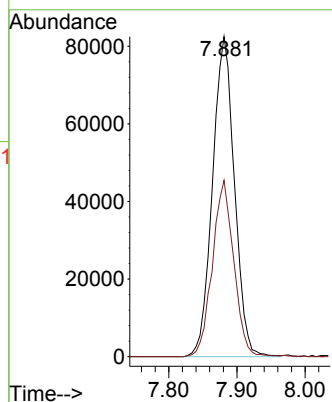
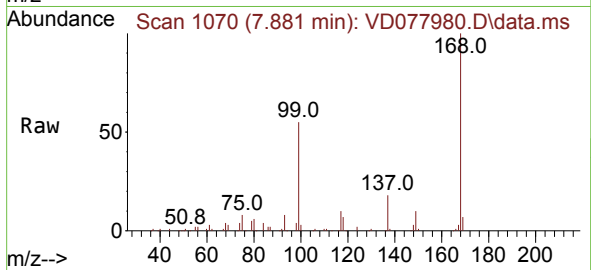
ClientSampleId :

Tgt Ion:168 Resp: 184671

Ion Ratio Lower Upper

168 100

99 55.1 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: VD077980.D

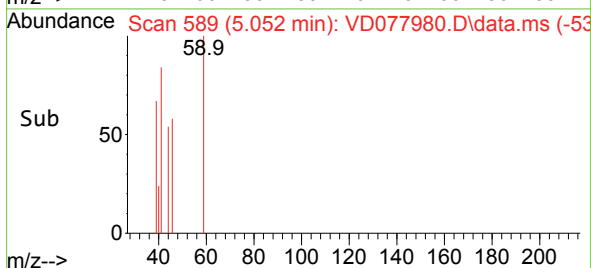
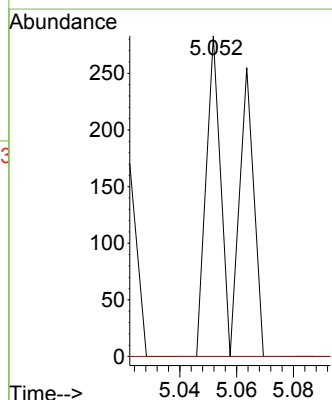
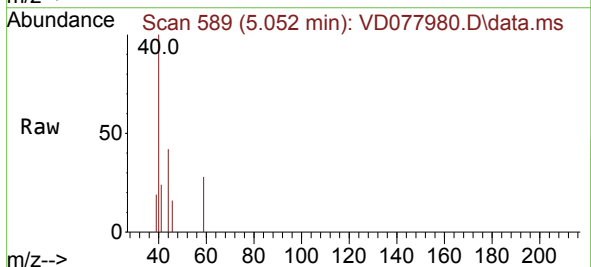
Acq: 19 Dec 2023 18:00

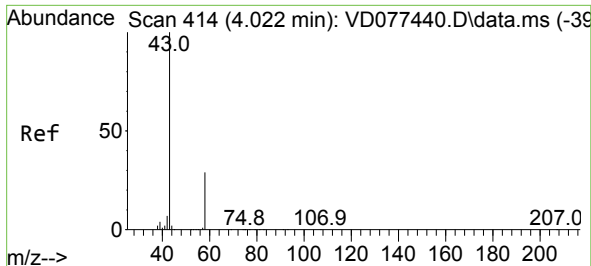
Tgt Ion: 59 Resp: 190

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

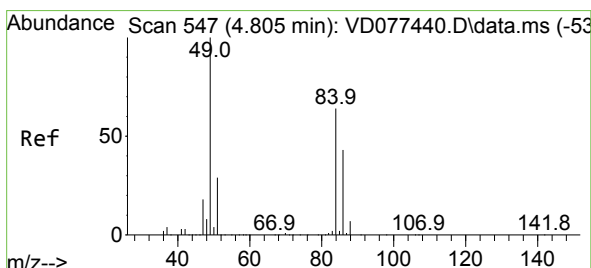
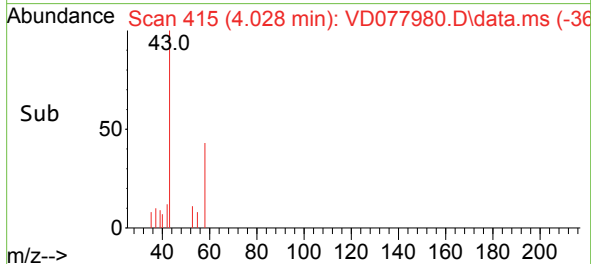
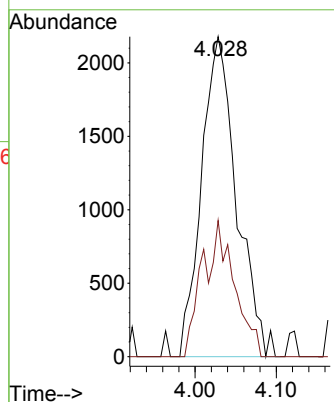
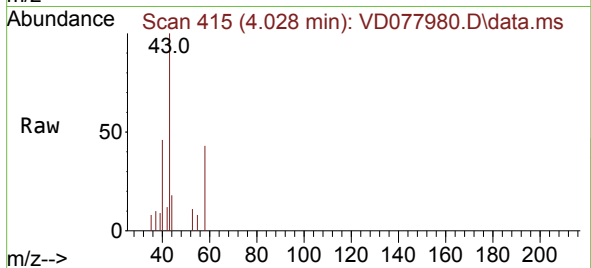




#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD077980.D
Acq: 19 Dec 2023 18:00

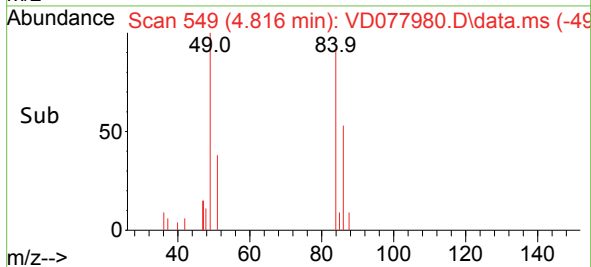
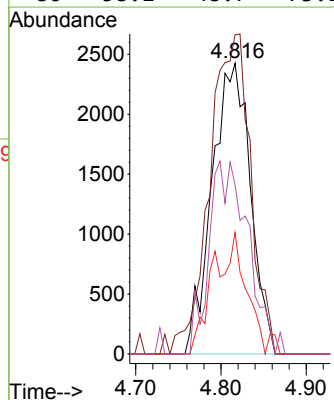
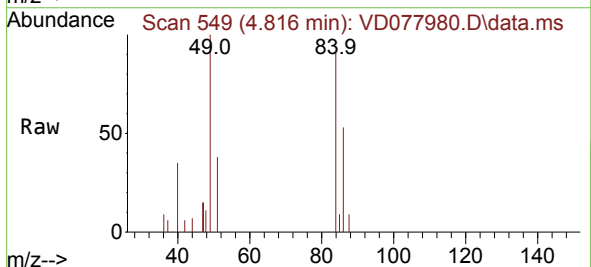
Instrument :
MSVOA_D
ClientSampleId :

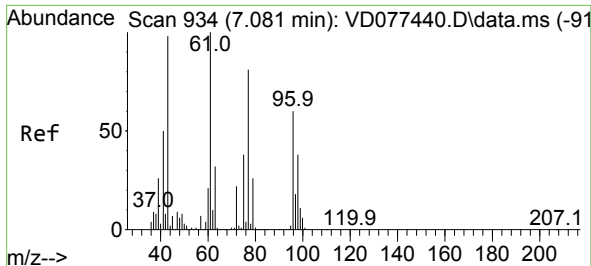
Tgt Ion: 43 Resp: 6535
Ion Ratio Lower Upper
43 100
58 42.6 34.7 52.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.816 min Scan# 549
Delta R.T. 0.011 min
Lab File: VD077980.D
Acq: 19 Dec 2023 18:00

Tgt Ion: 84 Resp: 7586
Ion Ratio Lower Upper
84 100
49 109.8 71.4 107.2#
51 41.8 24.5 36.7#
86 58.1 48.7 73.1

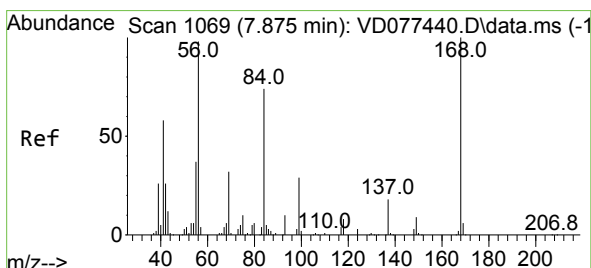
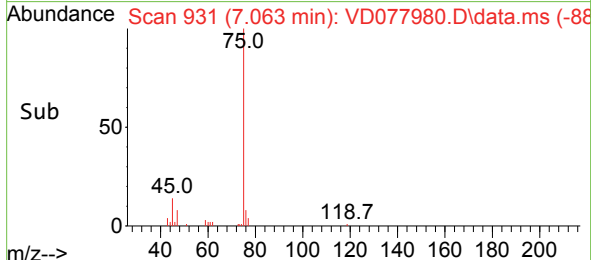
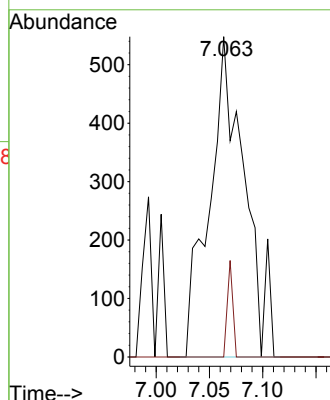
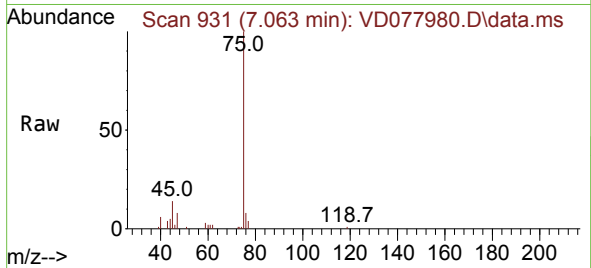




#25
2-Butanone
Concen: Below Cal
RT: 7.063 min Scan# 91
Delta R.T. -0.018 min
Lab File: VD077980.D
Acq: 19 Dec 2023 18:00

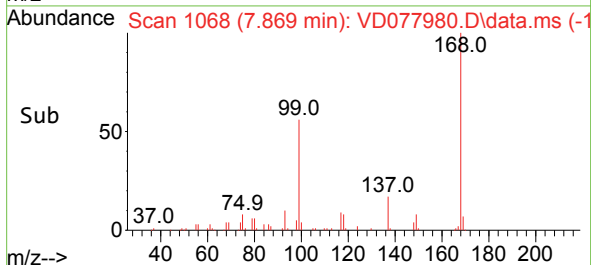
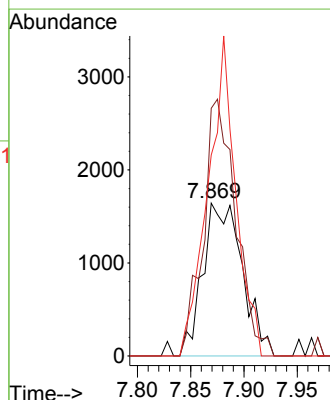
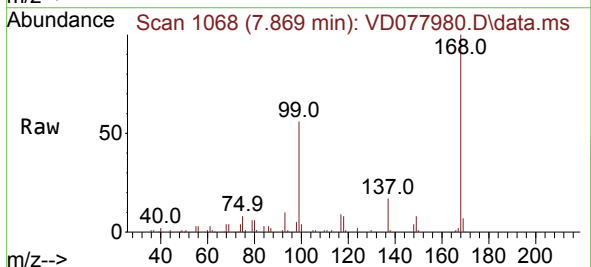
Instrument :
MSVOA_D
ClientSampleId :

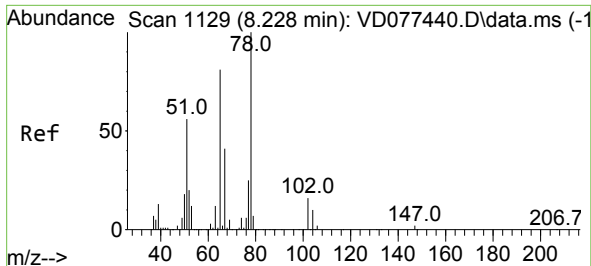
Tgt Ion: 43 Resp: 1261
Ion Ratio Lower Upper
43 100
72 31.4 30.7 46.1



#31
Cyclohexane
Concen: 1.097 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD077980.D
Acq: 19 Dec 2023 18:00

Tgt Ion: 56 Resp: 4245
Ion Ratio Lower Upper
56 100
69 162.1 28.6 43.0#
84 131.5 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 35.794 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD077980.D

Acq: 19 Dec 2023 18:00

Instrument :

MSVOA_D

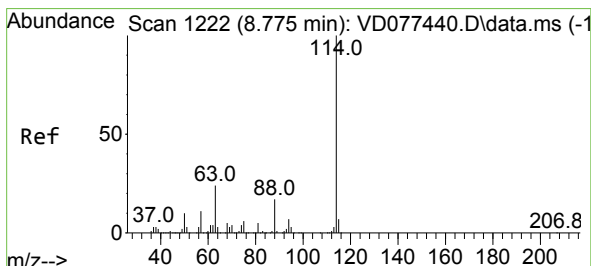
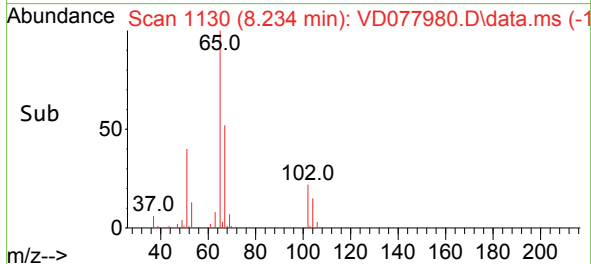
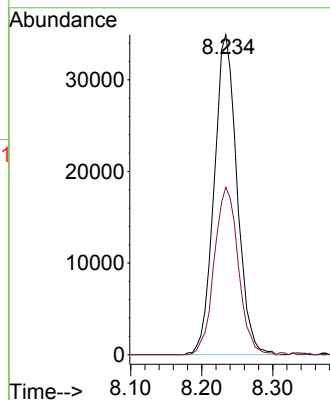
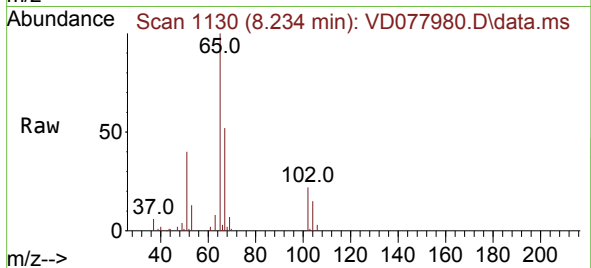
ClientSampleId :

Tgt Ion: 65 Resp: 77891

Ion Ratio Lower Upper

65 100

67 55.1 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: VD077980.D

Acq: 19 Dec 2023 18:00

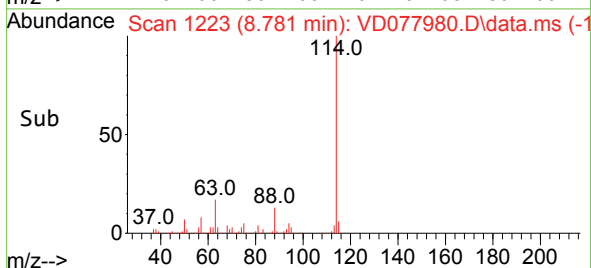
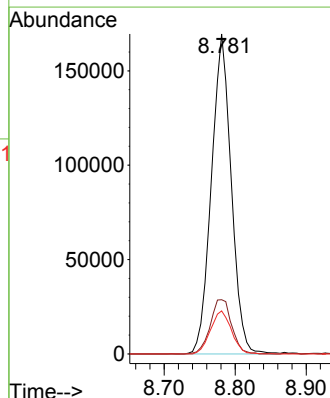
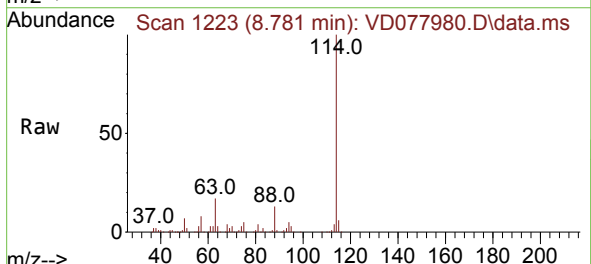
Tgt Ion: 114 Resp: 328932

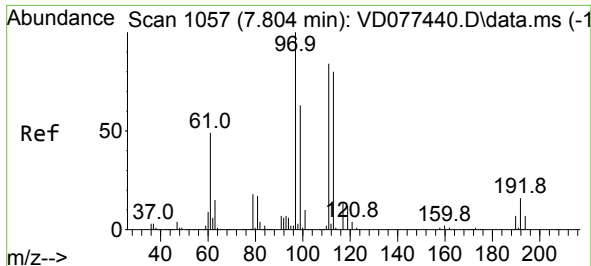
Ion Ratio Lower Upper

114 100

63 16.9 0.0 33.4

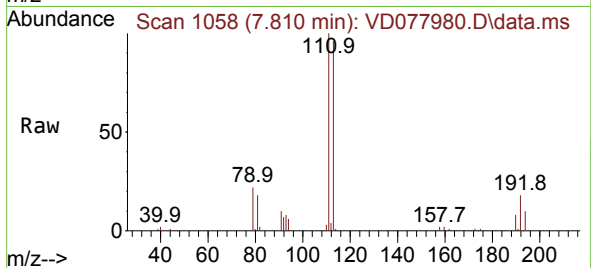
88 13.5 0.0 26.2



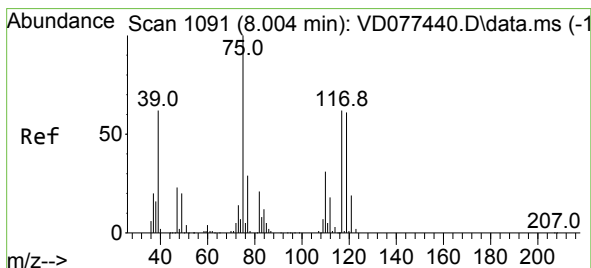
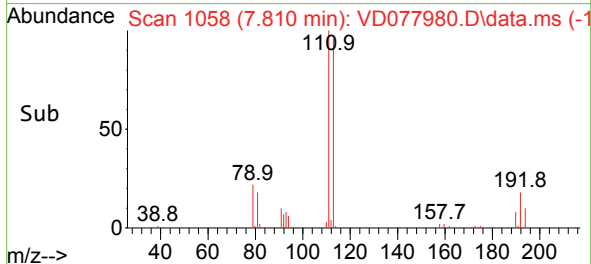
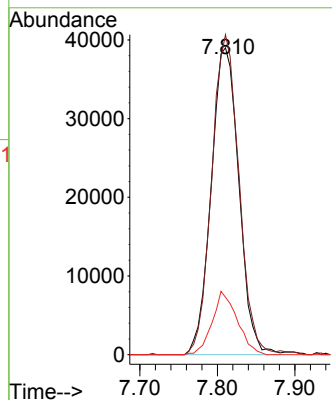


#35
Dibromofluoromethane
Concen: 42.100 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD077980.D
Acq: 19 Dec 2023 18:00

Instrument :
MSVOA_D
ClientSampleId :

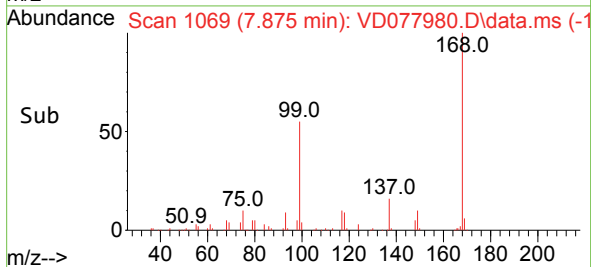
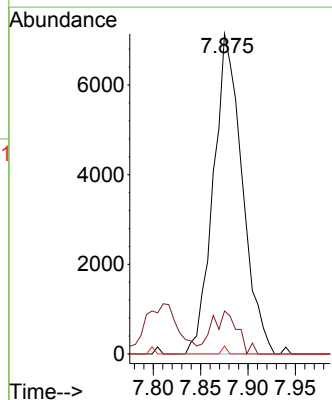
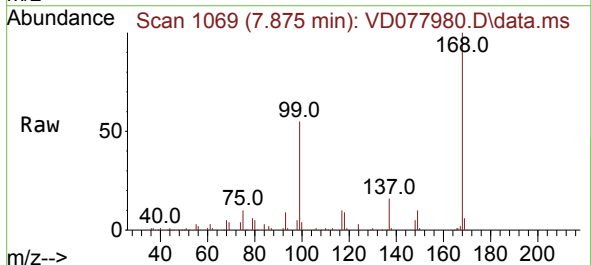


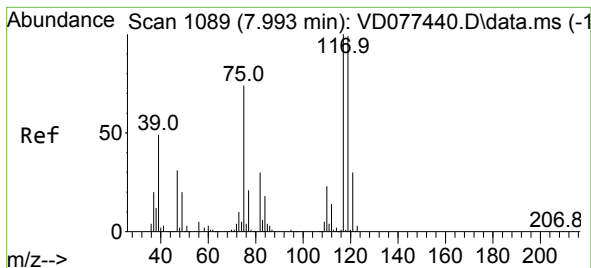
Tgt Ion:113 Resp: 97000
Ion Ratio Lower Upper
113 100
111 102.0 84.7 127.1
192 18.6 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.104 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD077980.D
Acq: 19 Dec 2023 18:00

Tgt Ion: 75 Resp: 15126
Ion Ratio Lower Upper
75 100
110 12.2 19.9 59.6#
77 0.4 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.865 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

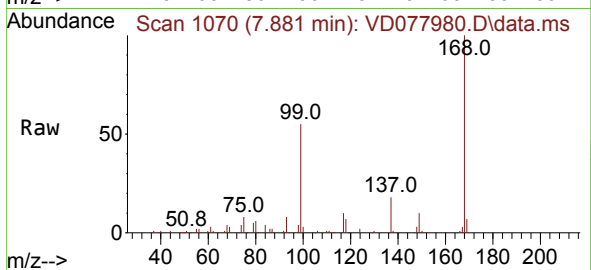
Lab File: VD077980.D

Acq: 19 Dec 2023 18:00

Instrument :

MSVOA_D

ClientSampleId :



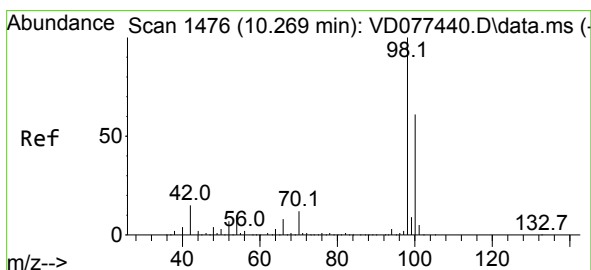
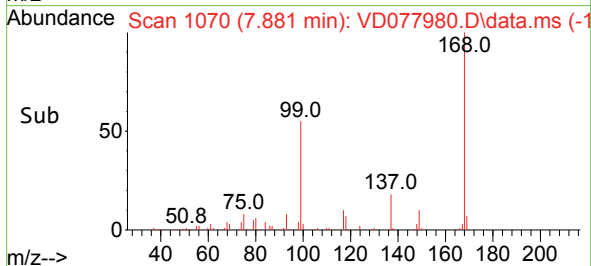
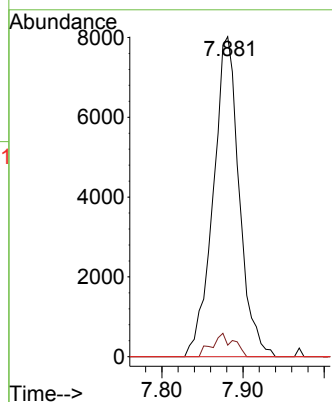
Tgt Ion:117 Resp: 17875

Ion Ratio Lower Upper

117 100

119 3.6 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 45.279 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077980.D

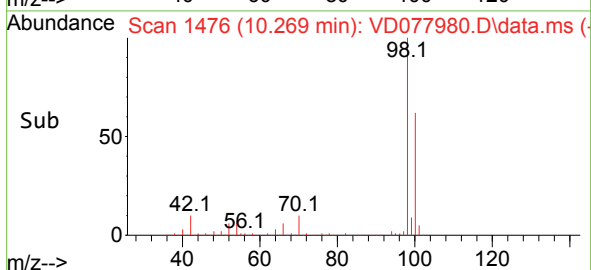
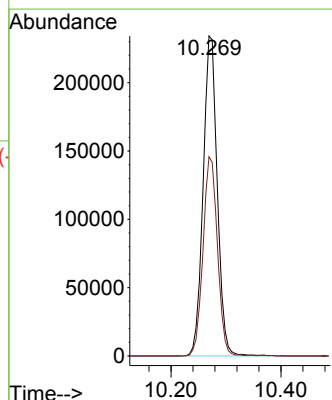
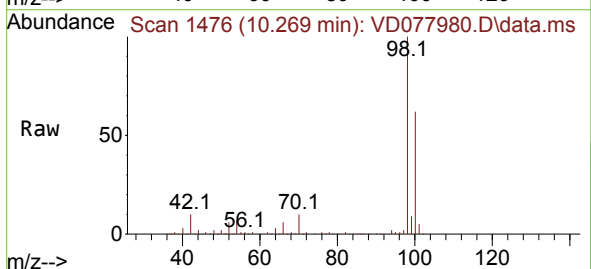
Acq: 19 Dec 2023 18:00

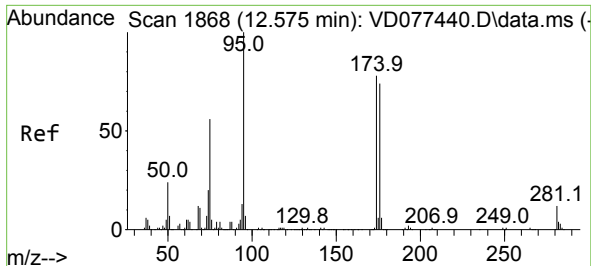
Tgt Ion: 98 Resp: 417841

Ion Ratio Lower Upper

98 100

100 63.6 50.3 75.5

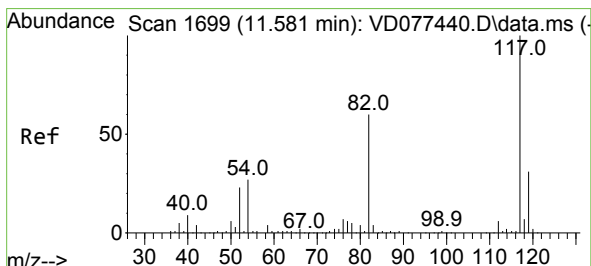
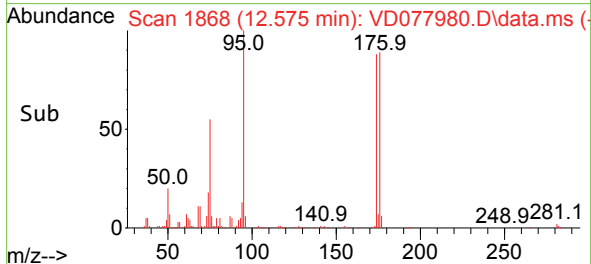
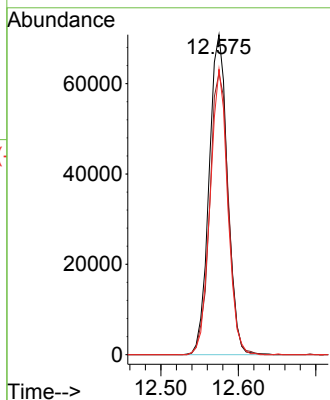
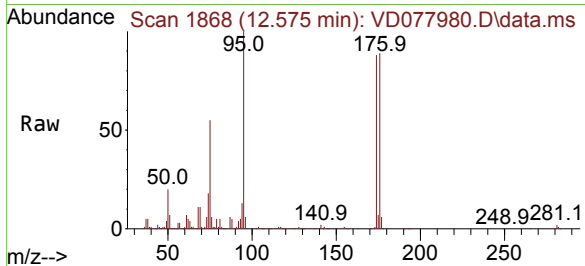




#62
4-Bromofluorobenzene
Concen: 42.604 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077980.D
Acq: 19 Dec 2023 18:00

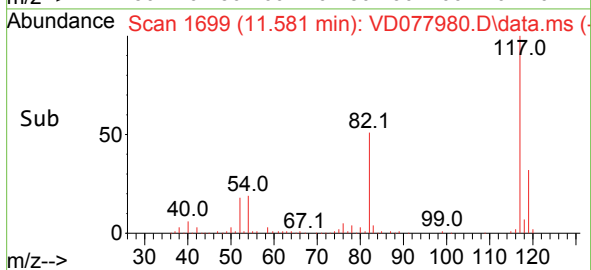
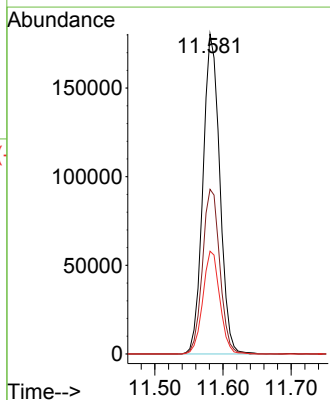
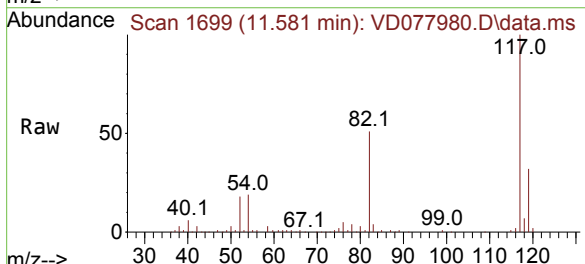
Instrument :
MSVOA_D
ClientSampleId :

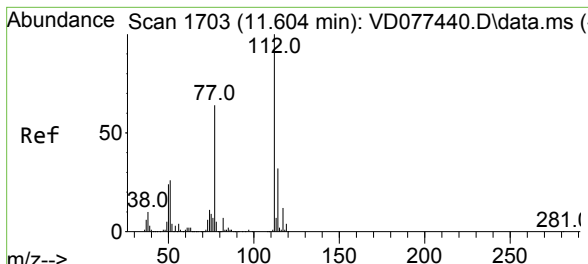
Tgt Ion: 95 Resp: 117542
Ion Ratio Lower Upper
95 100
174 89.0 0.0 201.8
176 85.2 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077980.D
Acq: 19 Dec 2023 18:00

Tgt Ion: 117 Resp: 310085
Ion Ratio Lower Upper
117 100
82 51.5 38.3 57.5
119 32.1 25.0 37.4

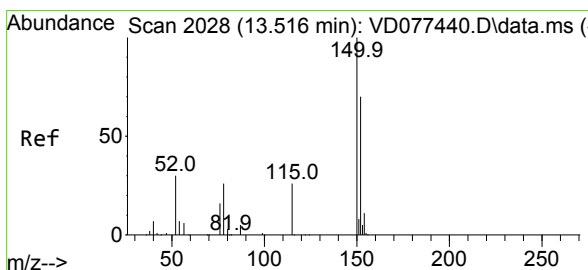
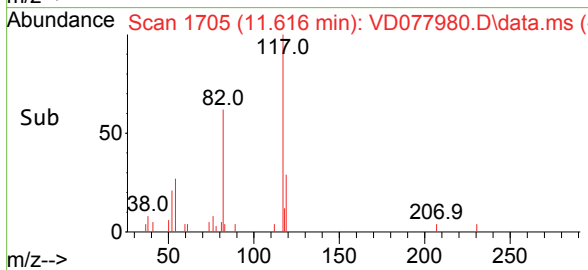
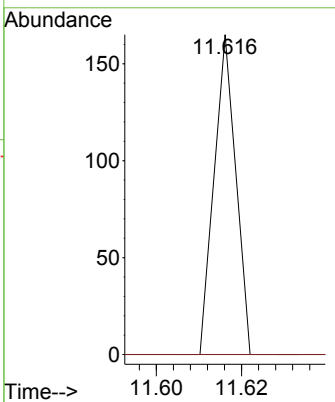
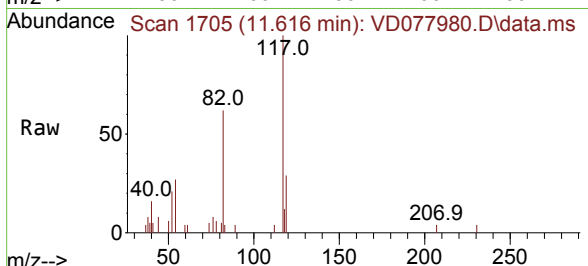




#65
Chlorobenzene
Concen: Below Cal
RT: 11.616 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD077980.D
Acq: 19 Dec 2023 18:00

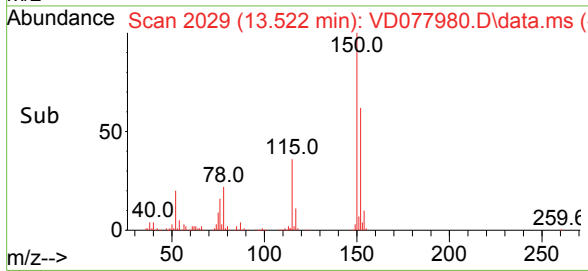
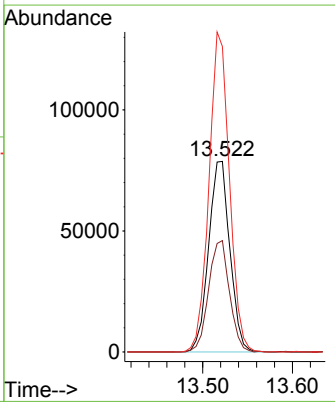
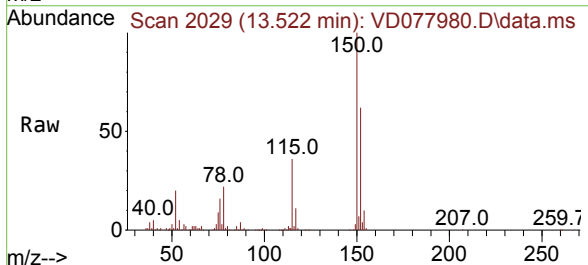
Instrument :
MSVOA_D
ClientSampleId :

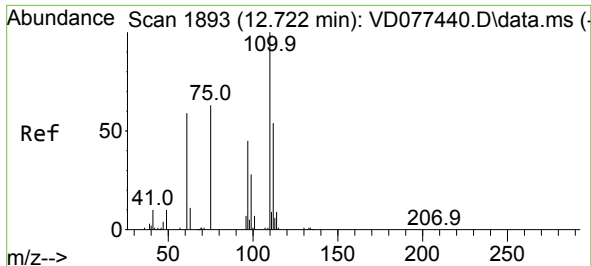
Tgt Ion:112 Resp: 58
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD077980.D
Acq: 19 Dec 2023 18:00

Tgt Ion:152 Resp: 129548
Ion Ratio Lower Upper
152 100
115 57.4 27.1 81.3
150 160.9 0.0 353.6

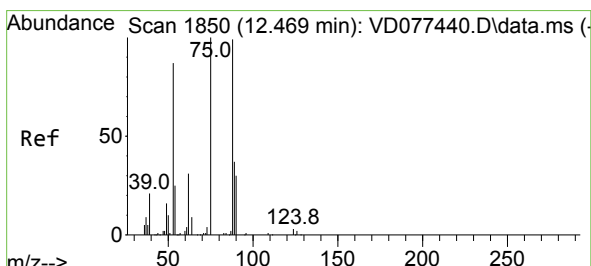
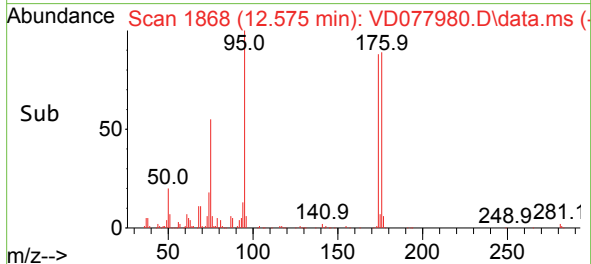
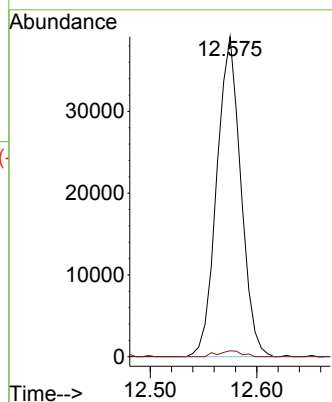
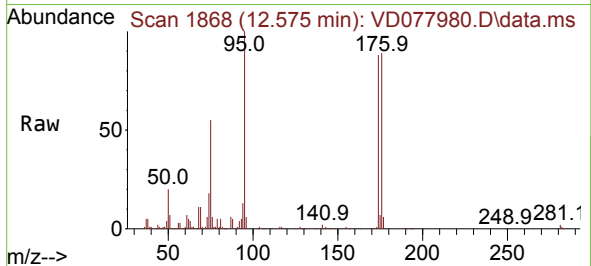




#76
1,2,3-Trichloropropane
Concen: 54.448 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077980.D
Acq: 19 Dec 2023 18:00

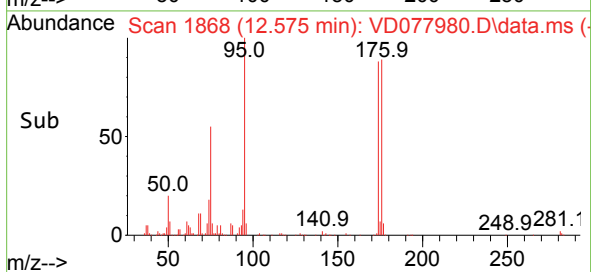
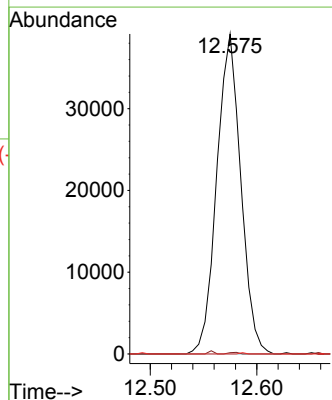
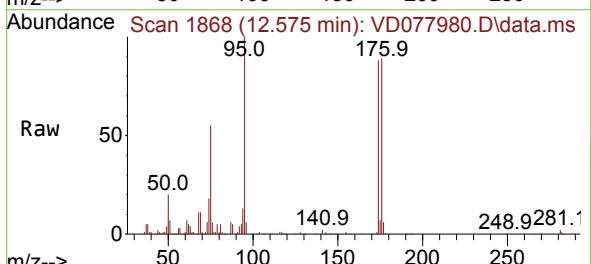
Instrument :
MSVOA_D
ClientSampleId :

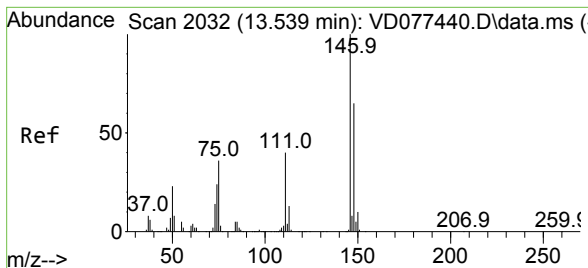
Tgt Ion: 75 Resp: 61261
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.315 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077980.D
Acq: 19 Dec 2023 18:00

Tgt Ion: 75 Resp: 61261
Ion Ratio Lower Upper
75 100
53 0.2 63.0 94.4#
89 0.1 37.9 56.9#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.534 min Scan# 2032

Delta R.T. -0.005 min

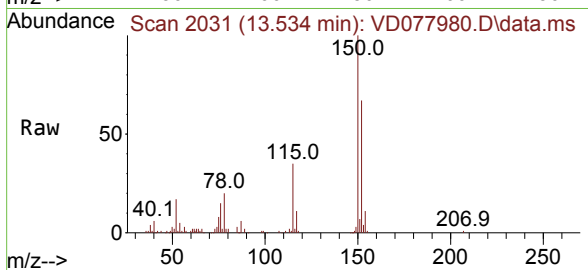
Lab File: VD077980.D

Acq: 19 Dec 2023 18:00

Instrument :

MSVOA_D

ClientSampleId :



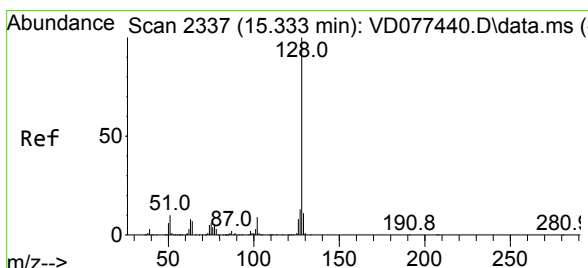
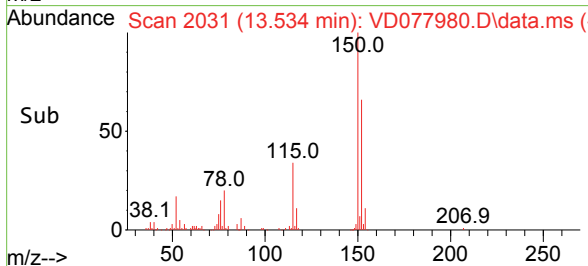
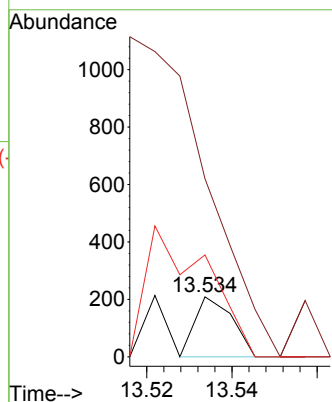
Tgt Ion:146 Resp: 127

Ion Ratio Lower Upper

146 100

111 0.0 17.4 52.3#

148 0.0 31.7 95.1#



#95

Naphthalene

Concen: 2.432 ug/l

RT: 15.328 min Scan# 2336

Delta R.T. -0.005 min

Lab File: VD077980.D

Acq: 19 Dec 2023 18:00

Tgt Ion:128 Resp: 11085

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

129 7.3 8.7 13.1#

