

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
 Data File : VD077971.D
 Acq On : 19 Dec 2023 13:58
 Operator : RP/MD
 Sample : 05884-02
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 20 02:04:10 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	185785	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	330089	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	313151	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	140748	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	83115	37.966	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	75.940%		
35) Dibromofluoromethane	7.810	113	98940	42.791	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.580%		
50) Toluene-d8	10.269	98	420088	45.363	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.720%		
62) 4-Bromofluorobenzene	12.575	95	122679	44.310	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	88.620%		
Target Compounds						
11) Tert butyl alcohol	5.016	59	103	Below Cal	#	73
16) Acetone	4.034	43	527	Below Cal		99
20) Methylene Chloride	4.811	84	11588	Below Cal		91
25) 2-Butanone	7.099	43	115	Below Cal	#	37
31) Cyclohexane	7.875	56	4189	1.076	ug/l #	36
36) 1,1-Dichloropropene	7.881	75	15076	4.076	ug/l #	49
38) Carbon Tetrachloride	7.881	117	18713	5.075	ug/l #	15
65) Chlorobenzene	11.616	112	56	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	64077	52.419	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	64077	106.204	ug/l #	18
88) 1,4-Dichlorobenzene	13.522	146	274	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.345	75	54	Below Cal	#	1

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

Quant Time: Dec 20 02:04:10 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: VD077971.D

Acq: 19 Dec 2023 13:58

Instrument :

MSVOA_D

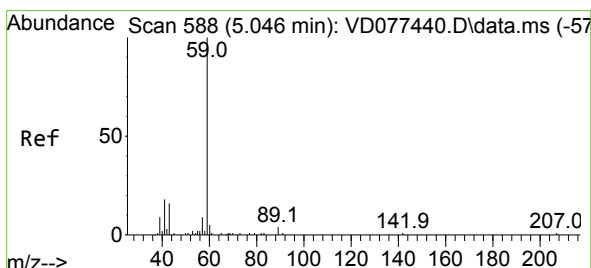
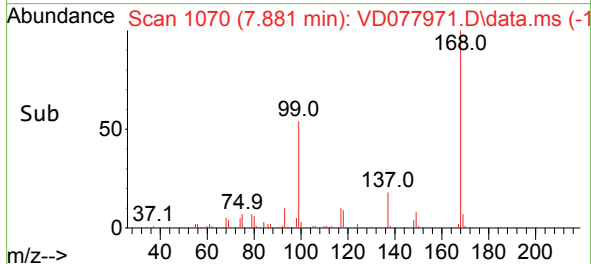
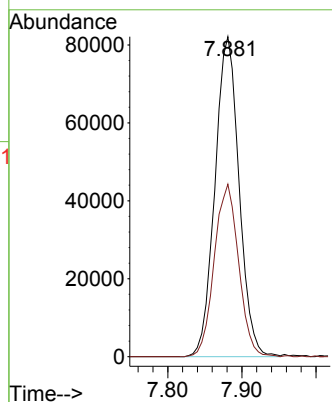
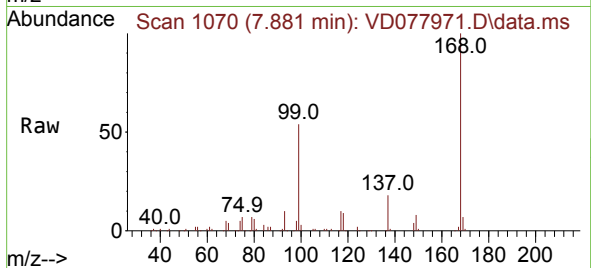
ClientSampleId :

Tgt Ion:168 Resp: 185785

Ion Ratio Lower Upper

168 100

99 53.9 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.016 min Scan# 583

Delta R.T. -0.030 min

Lab File: VD077971.D

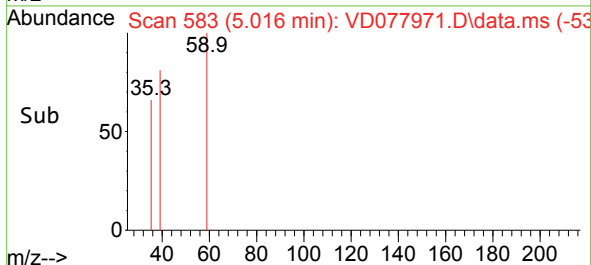
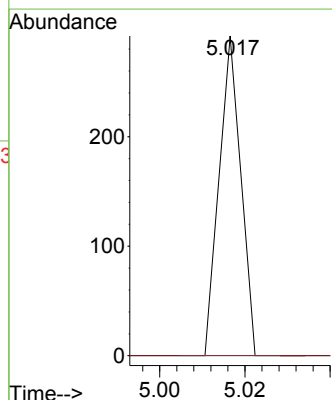
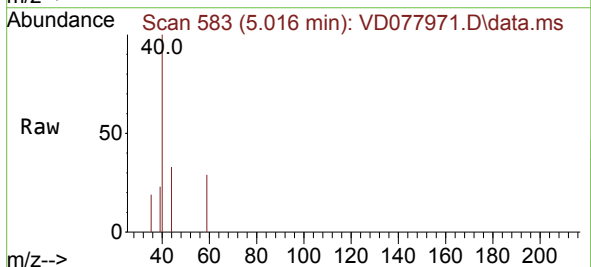
Acq: 19 Dec 2023 13:58

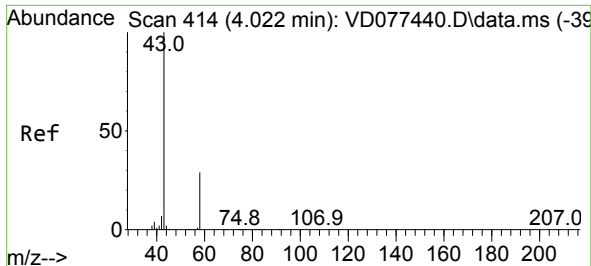
Tgt Ion: 59 Resp: 103

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

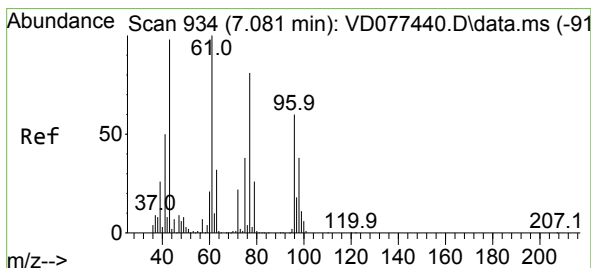
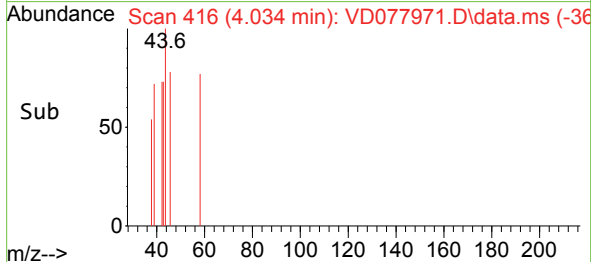
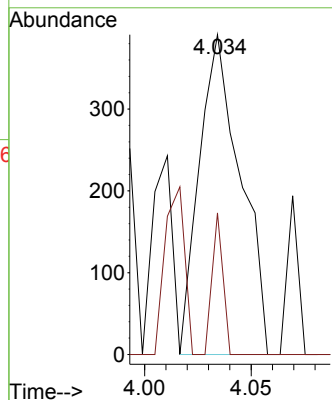
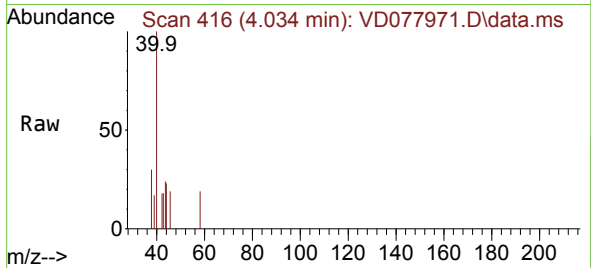




#16
Acetone
Concen: Below Cal
RT: 4.034 min Scan# 414
Delta R.T. 0.012 min
Lab File: VD077971.D
Acq: 19 Dec 2023 13:58

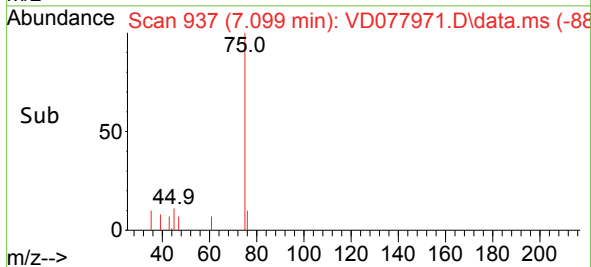
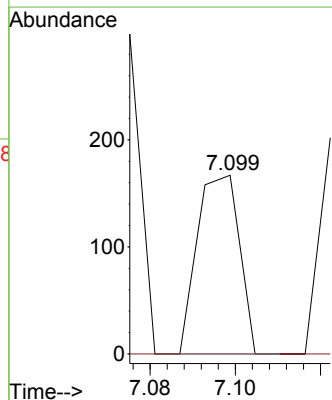
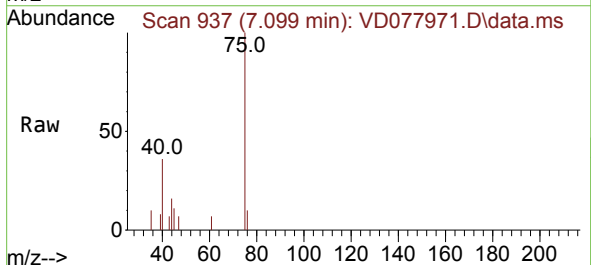
Instrument :
MSVOA_D
ClientSampleId :

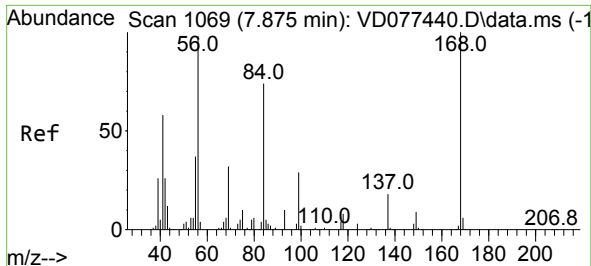
Tgt Ion: 43 Resp: 527
Ion Ratio Lower Upper
43 100
58 44.2 34.7 52.1



#25
2-Butanone
Concen: Below Cal
RT: 7.099 min Scan# 937
Delta R.T. 0.018 min
Lab File: VD077971.D
Acq: 19 Dec 2023 13:58

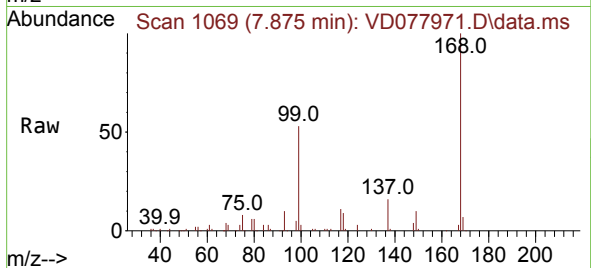
Tgt Ion: 43 Resp: 115
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



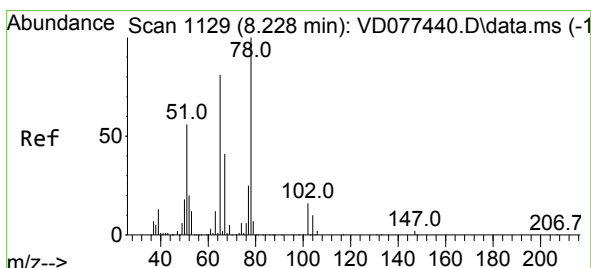
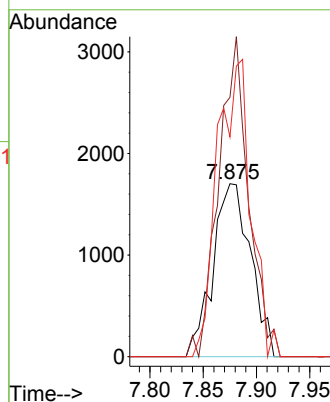
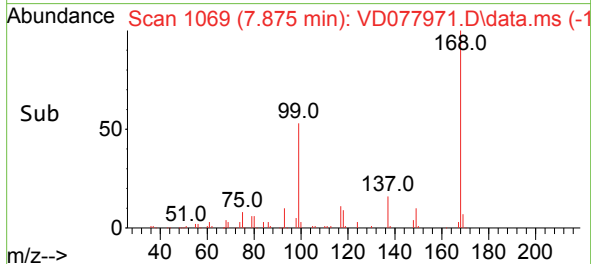


#31
Cyclohexane
Concen: 1.076 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077971.D
Acq: 19 Dec 2023 13:58

Instrument :
MSVOA_D
ClientSampleId :

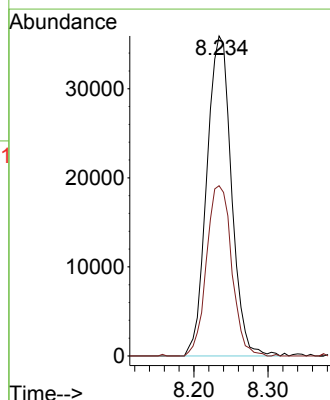
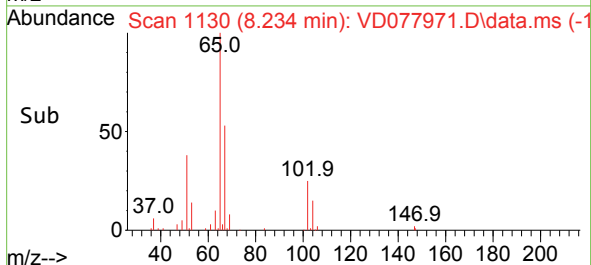
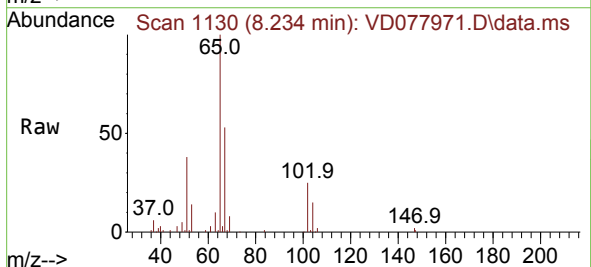


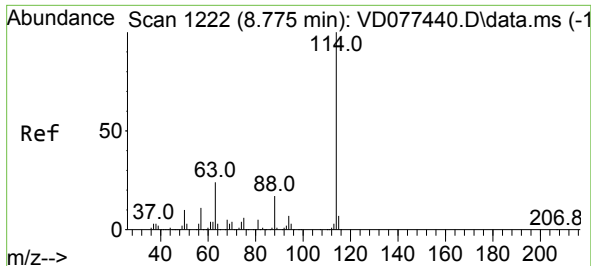
Tgt Ion: 56 Resp: 4189
Ion Ratio Lower Upper
56 100
69 149.9 28.6 43.0#
84 127.1 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 37.966 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077971.D
Acq: 19 Dec 2023 13:58

Tgt Ion: 65 Resp: 83115
Ion Ratio Lower Upper
65 100
67 54.3 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077971.D

Acq: 19 Dec 2023 13:58

Instrument :

MSVOA_D

ClientSampleId :

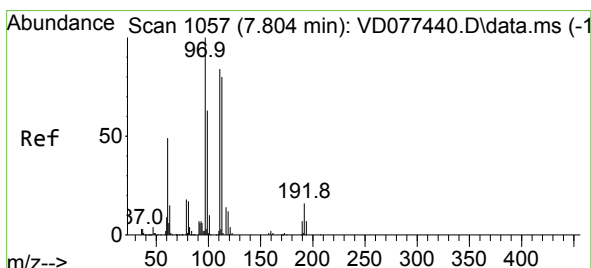
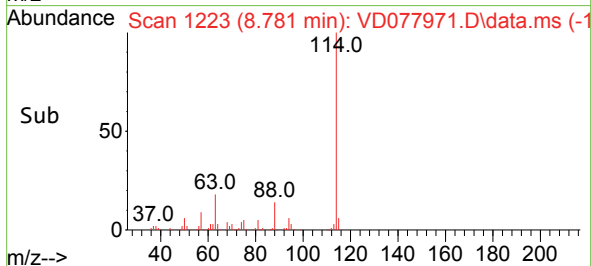
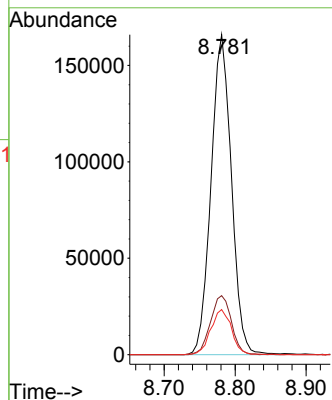
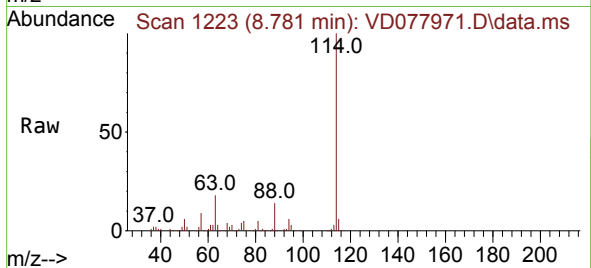
Tgt Ion:114 Resp: 330089

Ion Ratio Lower Upper

114 100

63 18.4 0.0 33.4

88 14.1 0.0 26.2



#35

Dibromofluoromethane

Concen: 42.791 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077971.D

Acq: 19 Dec 2023 13:58

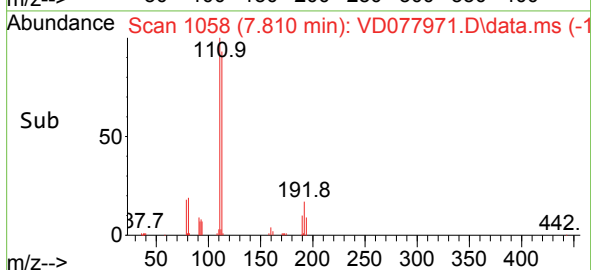
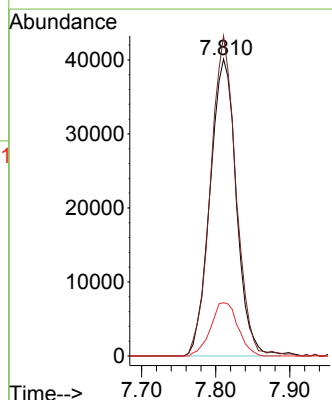
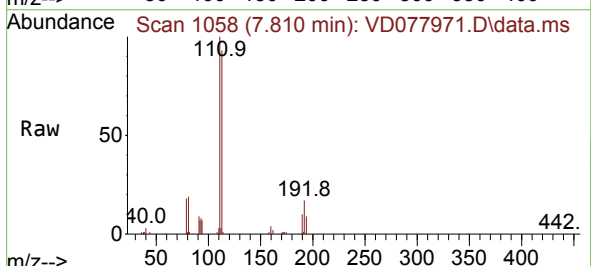
Tgt Ion:113 Resp: 98940

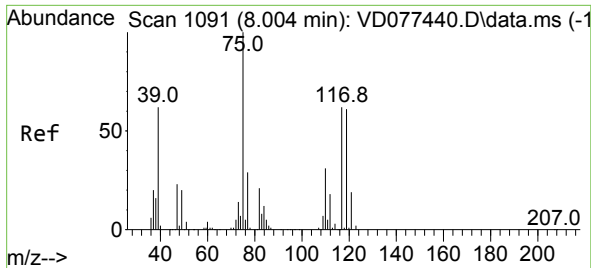
Ion Ratio Lower Upper

113 100

111 103.5 84.7 127.1

192 18.6 16.8 25.2

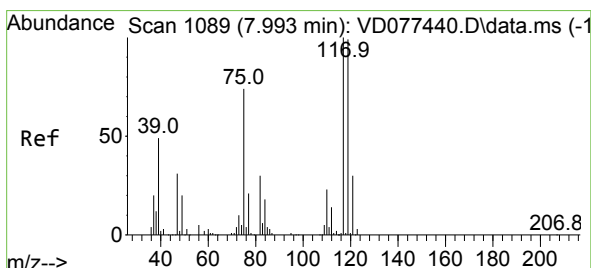
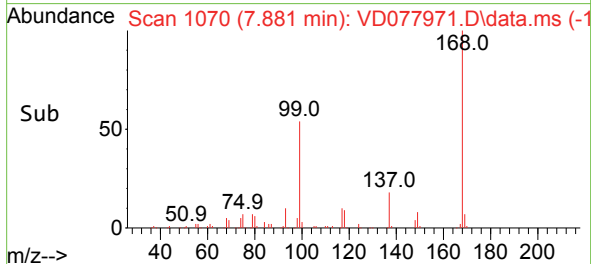
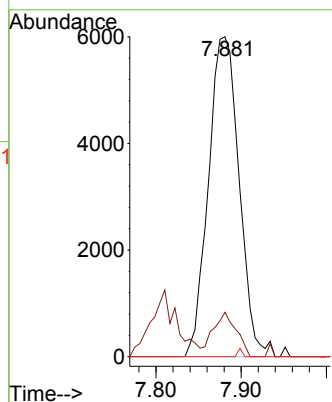
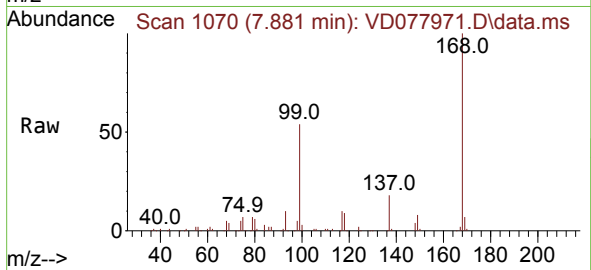




#36
1,1-Dichloropropene
Concen: 4.076 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.123 min
Lab File: VD077971.D
Acq: 19 Dec 2023 13:58

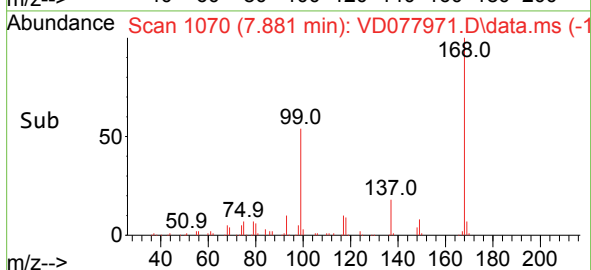
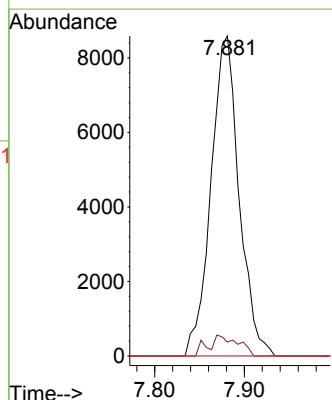
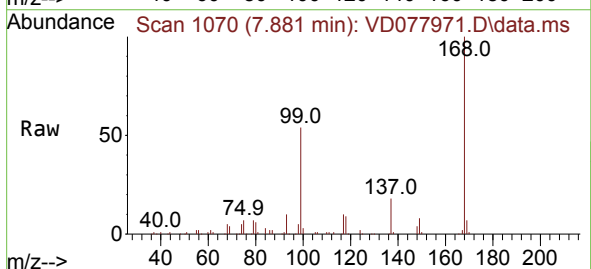
Instrument :
MSVOA_D
ClientSampleId :

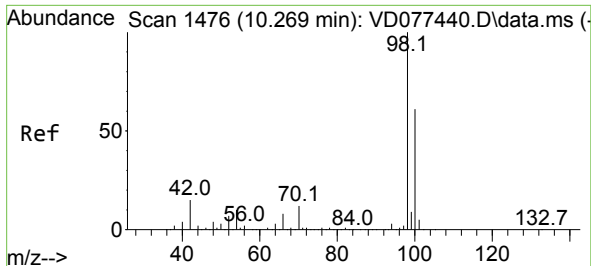
Tgt Ion: 75 Resp: 15076
Ion Ratio Lower Upper
75 100
110 10.6 19.9 59.6#
77 0.4 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.075 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD077971.D
Acq: 19 Dec 2023 13:58

Tgt Ion: 117 Resp: 18713
Ion Ratio Lower Upper
117 100
119 4.4 78.0 117.0#
121 0.0 24.2 36.2#

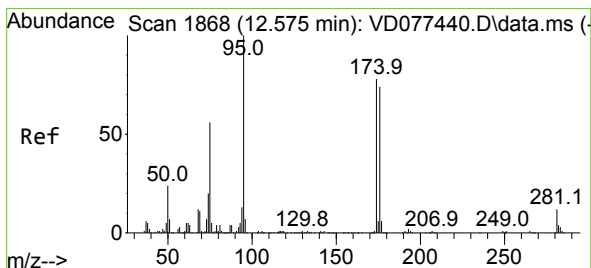
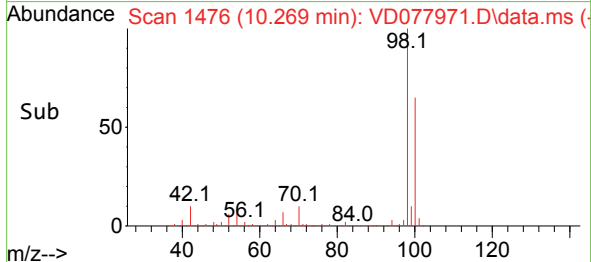
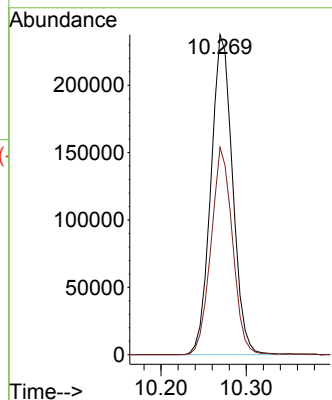
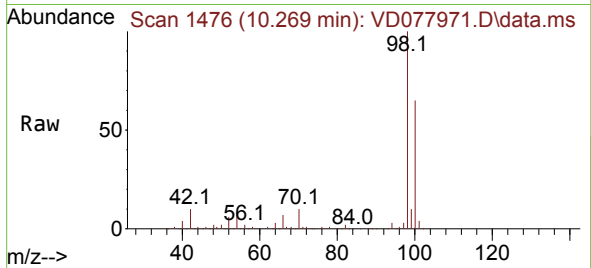




#50
Toluene-d8
Concen: 45.363 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077971.D
Acq: 19 Dec 2023 13:58

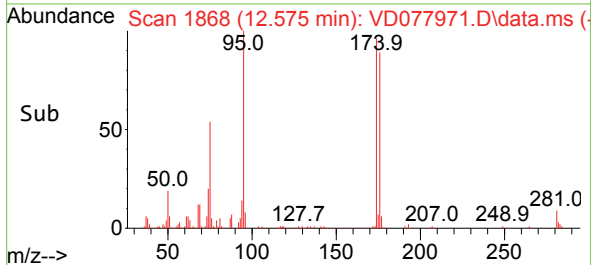
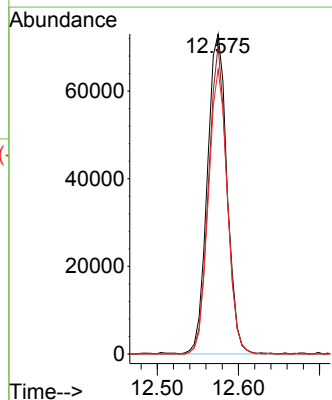
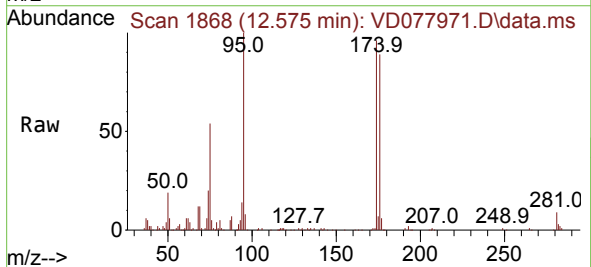
Instrument :
MSVOA_D
ClientSampleId :

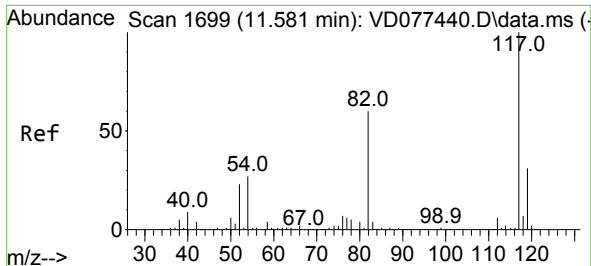
Tgt Ion: 98 Resp: 420088
Ion Ratio Lower Upper
98 100
100 64.3 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 44.310 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077971.D
Acq: 19 Dec 2023 13:58

Tgt Ion: 95 Resp: 122679
Ion Ratio Lower Upper
95 100
174 90.0 0.0 201.8
176 85.9 0.0 191.8

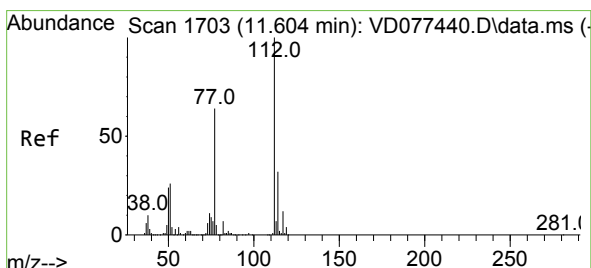
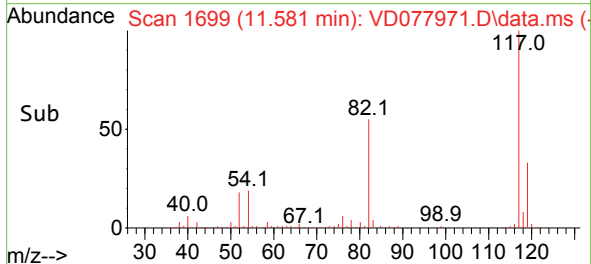
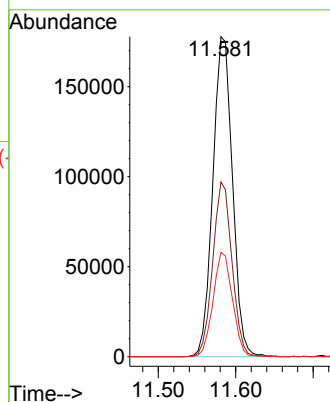
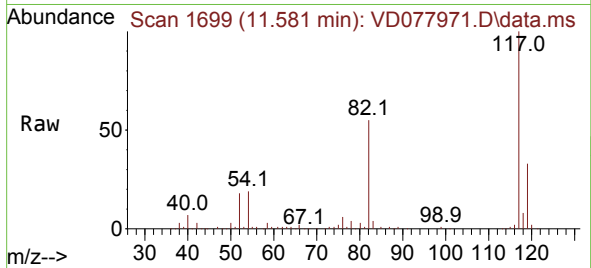




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077971.D
Acq: 19 Dec 2023 13:58

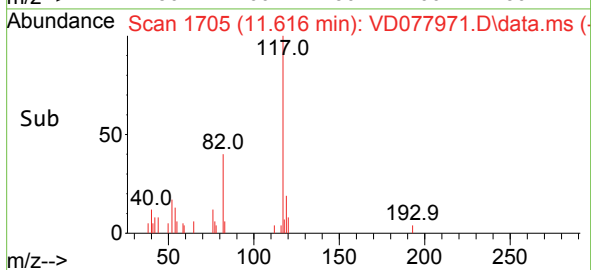
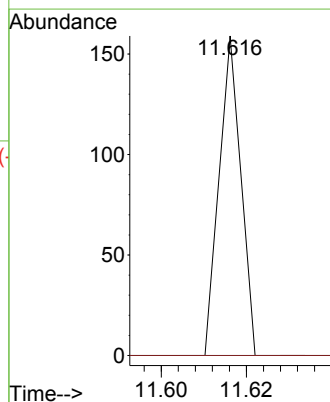
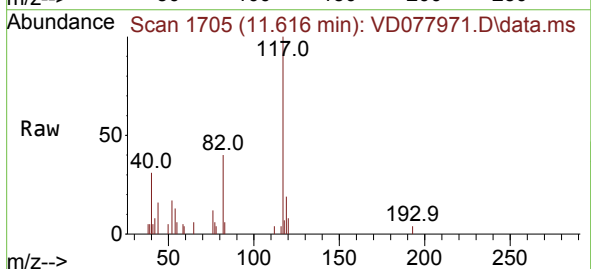
Instrument :
MSVOA_D
ClientSampleId :

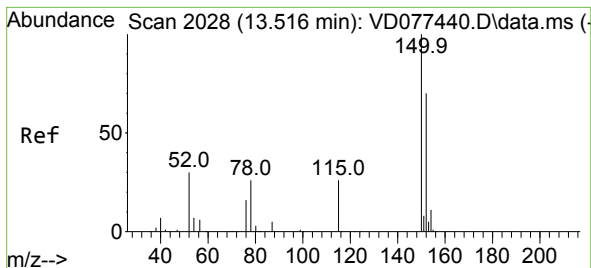
Tgt Ion:117 Resp: 313151
Ion Ratio Lower Upper
117 100
82 54.6 38.3 57.5
119 32.6 25.0 37.4



#65
Chlorobenzene
Concen: Below Cal
RT: 11.616 min Scan# 1705
Delta R.T. 0.012 min
Lab File: VD077971.D
Acq: 19 Dec 2023 13:58

Tgt Ion:112 Resp: 56
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD077971.D

Acq: 19 Dec 2023 13:58

Instrument :

MSVOA_D

ClientSampleId :

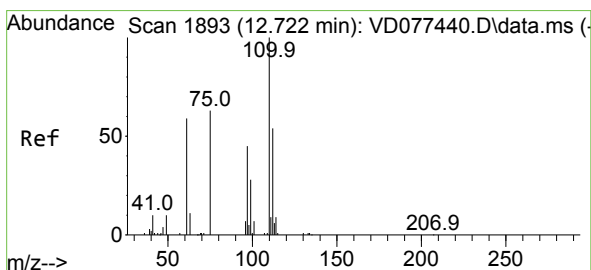
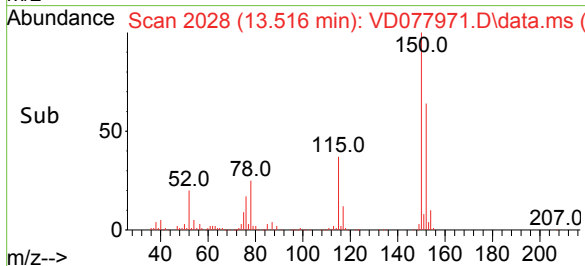
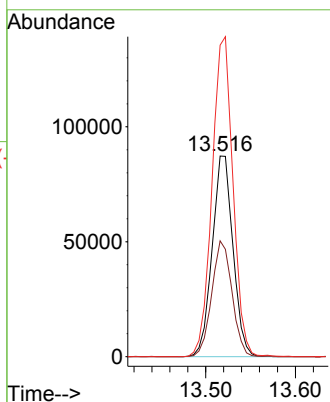
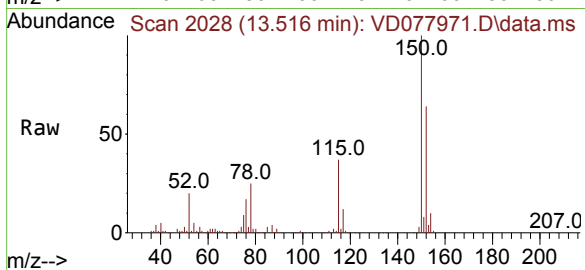
Tgt Ion:152 Resp: 140748

Ion Ratio Lower Upper

152 100

115 56.3 27.1 81.3

150 159.9 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 52.419 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077971.D

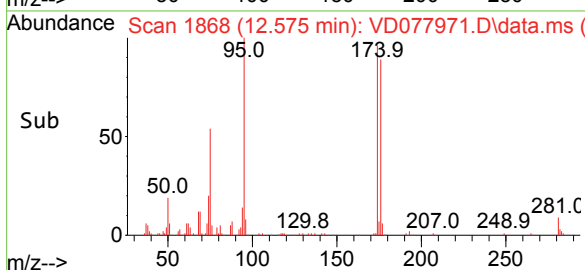
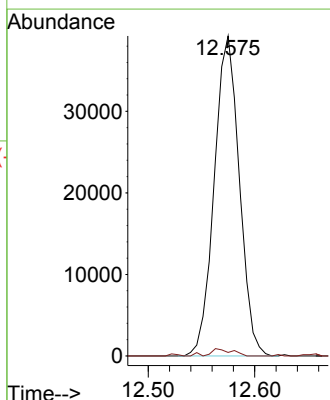
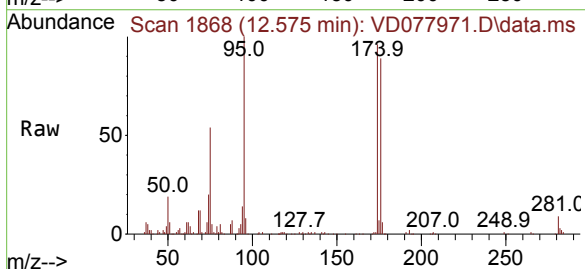
Acq: 19 Dec 2023 13:58

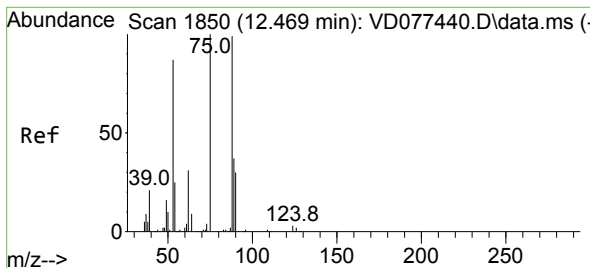
Tgt Ion: 75 Resp: 64077

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#

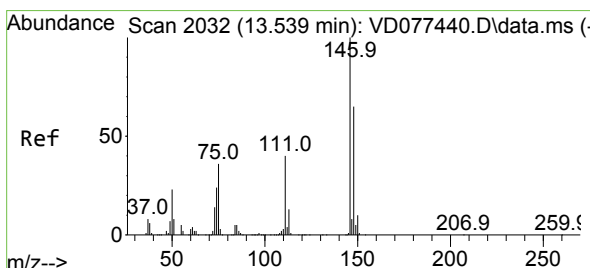
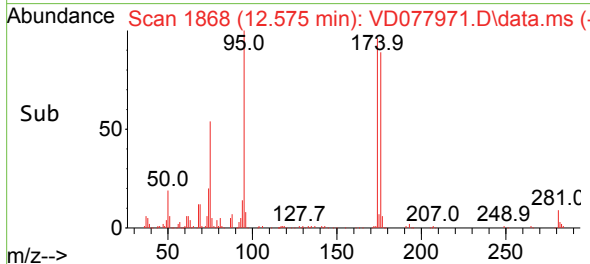
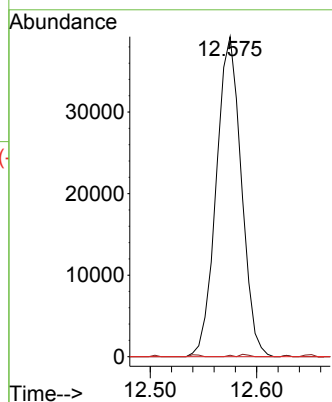
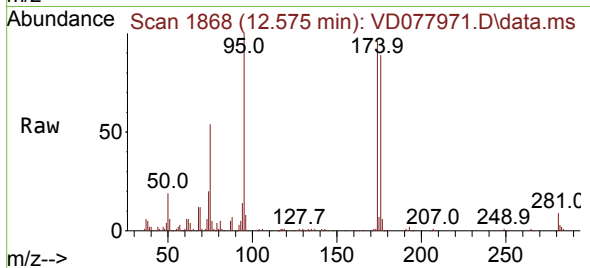




#81
trans-1,4-Dichloro-2-butene
Concen: 106.204 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD077971.D
Acq: 19 Dec 2023 13:58

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 64077
Ion Ratio Lower Upper
75 100
53 0.3 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: VD077971.D
Acq: 19 Dec 2023 13:58

Tgt Ion:146 Resp: 274
Ion Ratio Lower Upper
146 100
111 897.4 17.4 52.3#
148 422.6 31.7 95.1#

