

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121323\
 Data File : VD077870.D
 Acq On : 13 Dec 2023 18:46
 Operator : RP/MD
 Sample : 05611-05
 Misc : 5.04G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 01:56:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

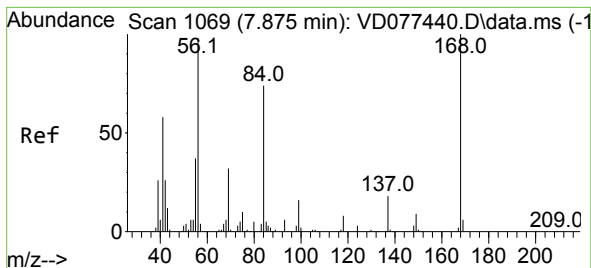
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.881	168	188574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	333404	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	308065	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	141260	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	80652	36.296	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	72.600%
35) Dibromofluoromethane	7.810	113	96384	41.271	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.540%
50) Toluene-d8	10.269	98	424032	45.334	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.660%
62) 4-Bromofluorobenzene	12.575	95	113563	40.610	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.220%
Target Compounds						
					Qvalue	
16) Acetone	4.022	43	61	Below Cal	#	32
20) Methylene Chloride	4.805	84	11803	Below Cal	#	85
25) 2-Butanone	7.057	43	58	Below Cal	#	37
31) Cyclohexane	7.869	56	4346	1.100	ug/l #	21
36) 1,1-Dichloropropene	7.881	75	14507	3.883	ug/l #	43
38) Carbon Tetrachloride	7.875	117	19349	5.196	ug/l #	17
65) Chlorobenzene	11.604	112	206	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	61977	50.517	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	61977	102.351	ug/l #	17
88) 1,4-Dichlorobenzene	13.534	146	597	Below Cal	#	1

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

Quant Time: Dec 14 01:56:08 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260
QLast Update : Fri Dec 08 13:33:18 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: VD077870.D

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Instrument :

MSVOA_D

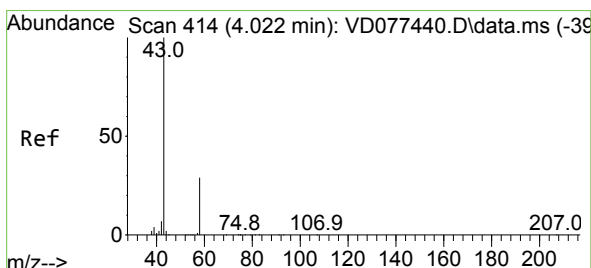
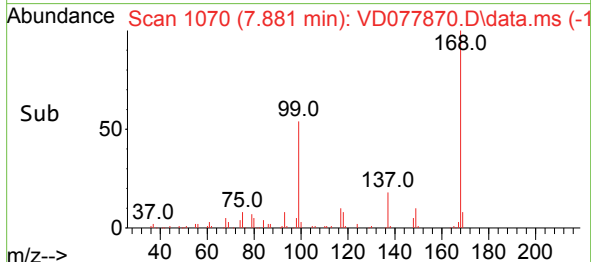
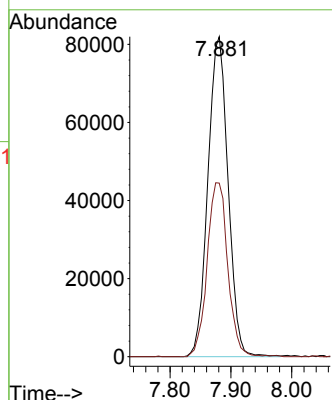
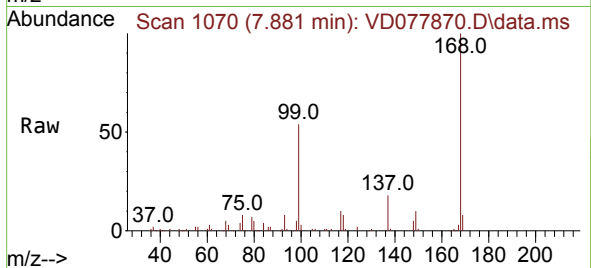
ClientSampleId :

Tgt Ion:168 Resp: 188574

Ion Ratio Lower Upper

168 100

99 54.3 36.7 55.1



#16

Acetone

Concen: Below Cal

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD077870.D

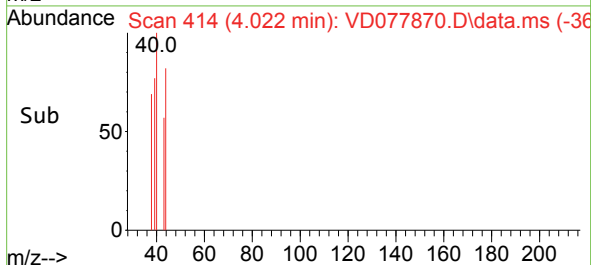
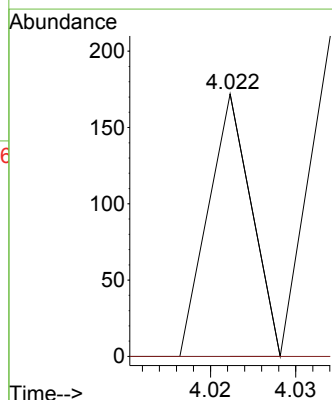
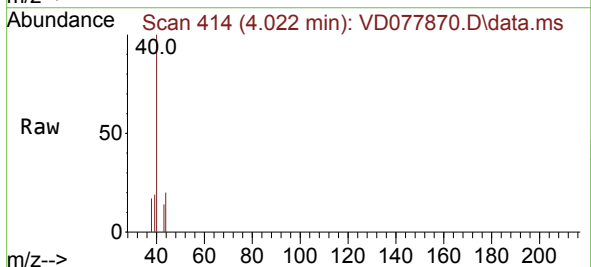
Acq: 13 Dec 2023 18:46

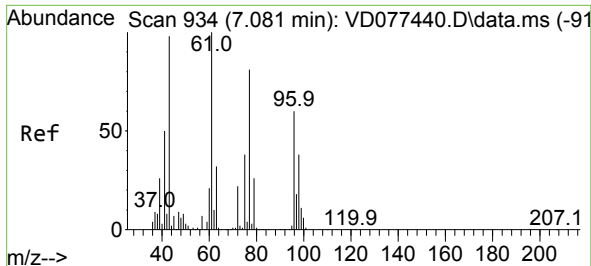
Tgt Ion: 43 Resp: 61

Ion Ratio Lower Upper

43 100

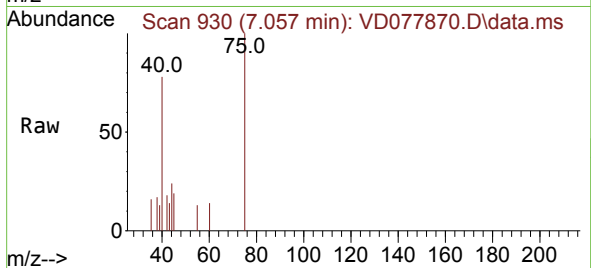
58 0.0 34.7 52.1#



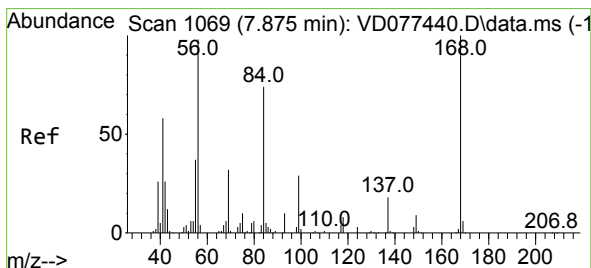
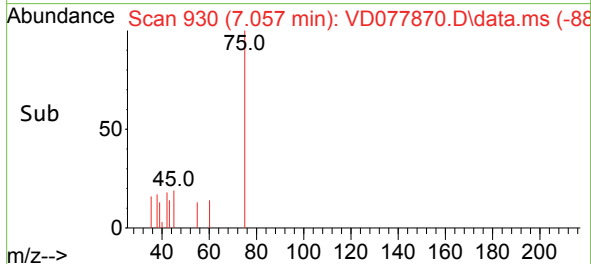
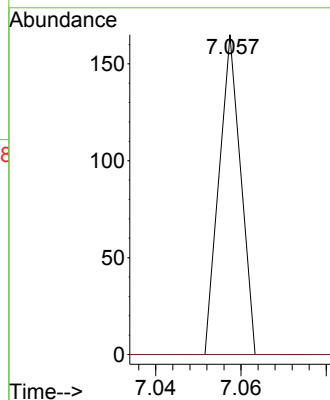


#25
2-Butanone
Concen: Below Cal
RT: 7.057 min Scan# 91
Delta R.T. -0.024 min
Lab File: VD077870.D
Acq: 13 Dec 2023 18:46

Instrument :
MSVOA_D
ClientSampleId :

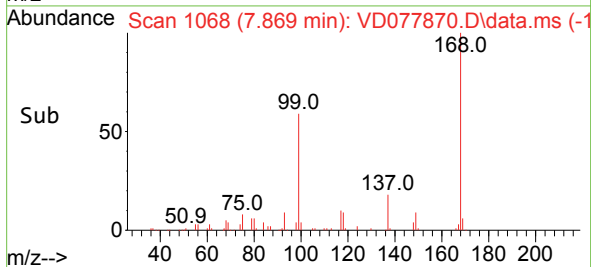
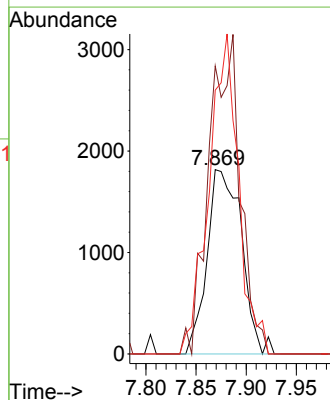
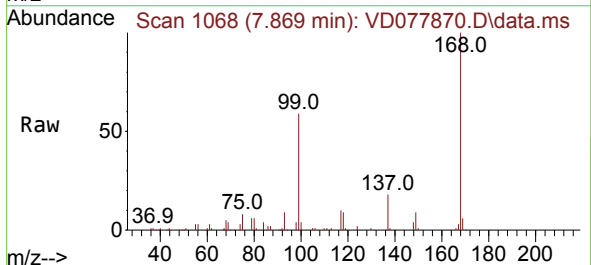


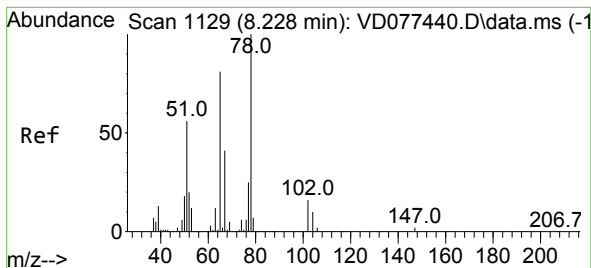
Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.100 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD077870.D
Acq: 13 Dec 2023 18:46

Tgt Ion: 56 Resp: 4346
Ion Ratio Lower Upper
56 100
69 156.2 28.6 43.0#
84 143.1 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 36.296 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

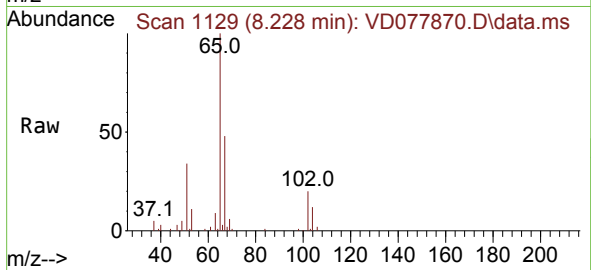
Lab File: VD077870.D

Acq: 13 Dec 2023 18:46

Instrument :

MSVOA_D

ClientSampleId :

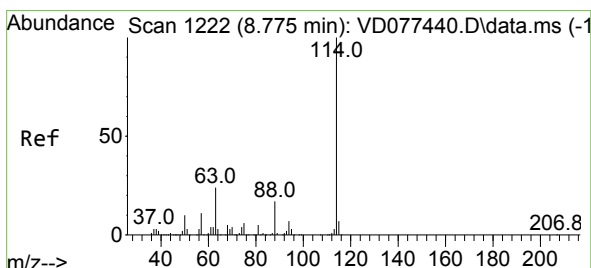
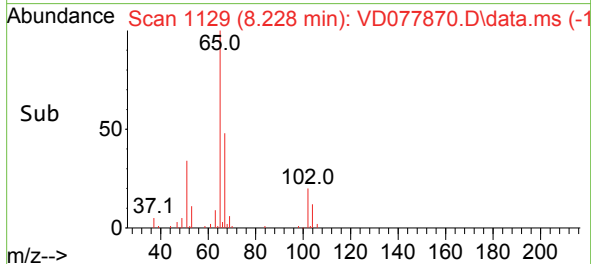
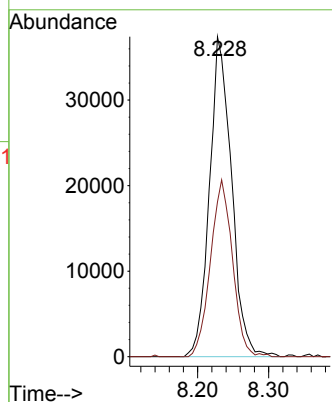


Tgt Ion: 65 Resp: 80652

Ion Ratio Lower Upper

65 100

67 55.2 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: VD077870.D

Acq: 13 Dec 2023 18:46

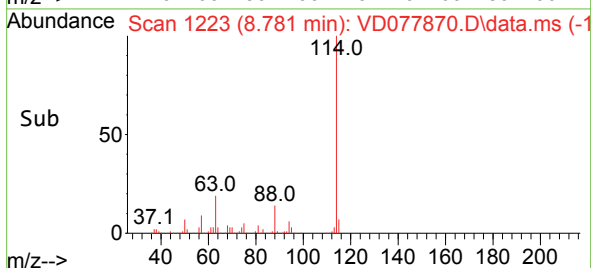
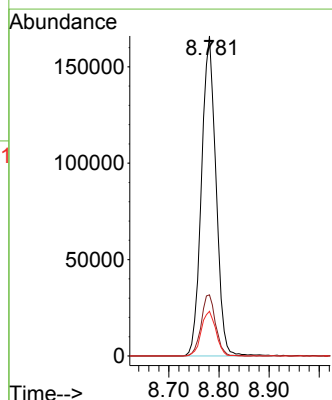
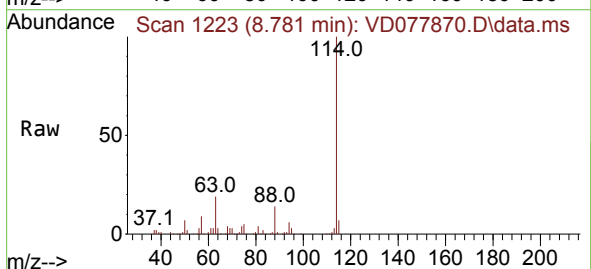
Tgt Ion: 114 Resp: 333404

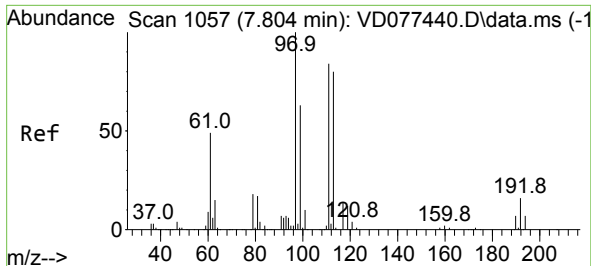
Ion Ratio Lower Upper

114 100

63 19.1 0.0 33.4

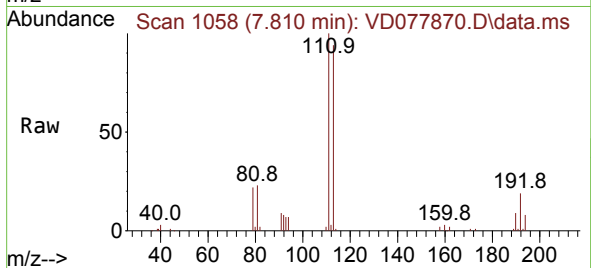
88 14.0 0.0 26.2



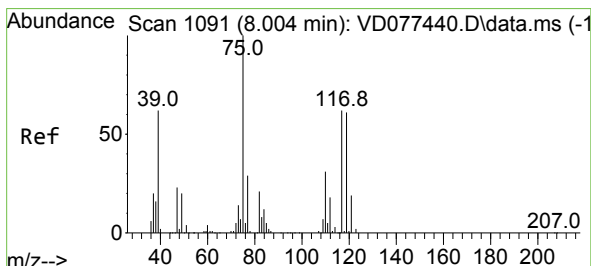
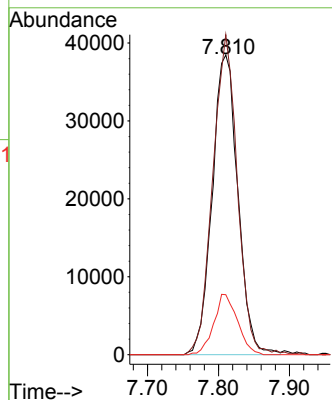
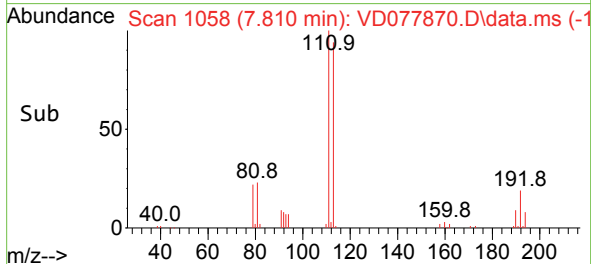


#35
 Dibromofluoromethane
 Concen: 41.271 ug/l
 RT: 7.810 min Scan# 1058
 Delta R.T. 0.006 min
 Lab File: VD077870.D
 Acq: 13 Dec 2023 18:46

Instrument :
 MSVOA_D
 ClientSampleId :

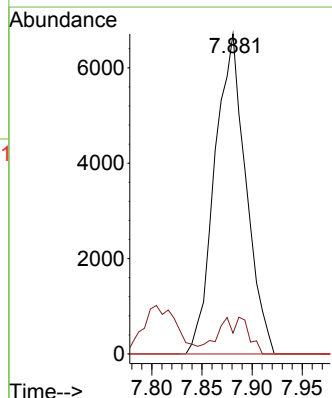
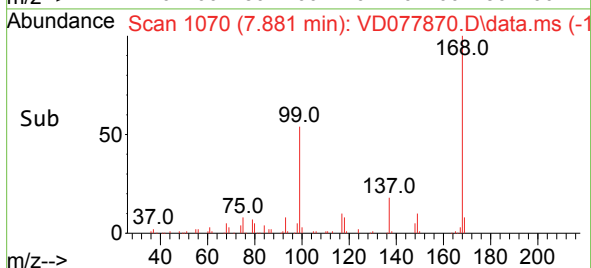
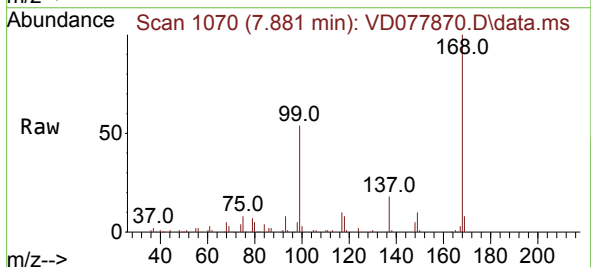


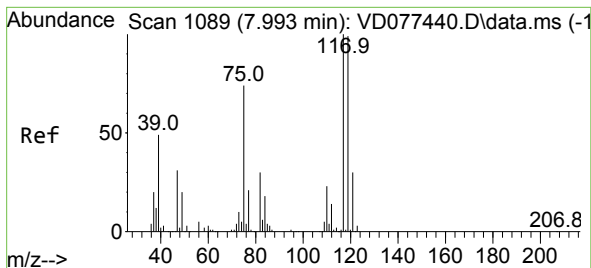
Tgt Ion:113 Resp: 96384
 Ion Ratio Lower Upper
 113 100
 111 102.5 84.7 127.1
 192 18.6 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 3.883 ug/l
 RT: 7.881 min Scan# 1070
 Delta R.T. -0.123 min
 Lab File: VD077870.D
 Acq: 13 Dec 2023 18:46

Tgt Ion: 75 Resp: 14507
 Ion Ratio Lower Upper
 75 100
 110 3.8 19.9 59.6#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.196 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

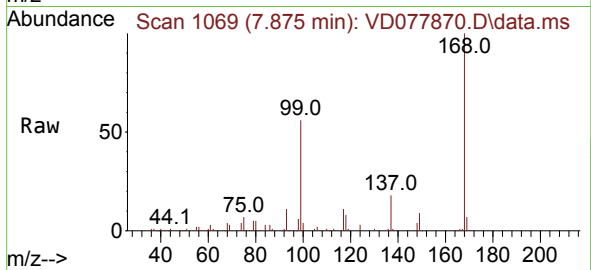
Lab File: VD077870.D

Acq: 13 Dec 2023 18:46

Instrument :

MSVOA_D

ClientSampleId :



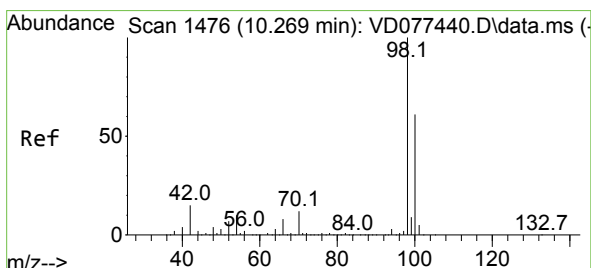
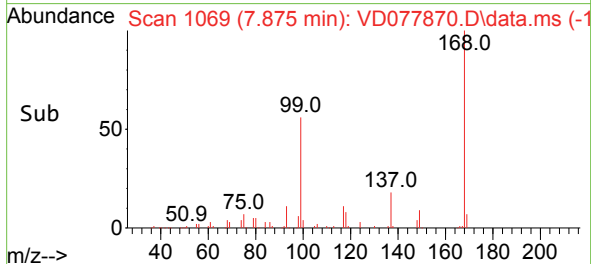
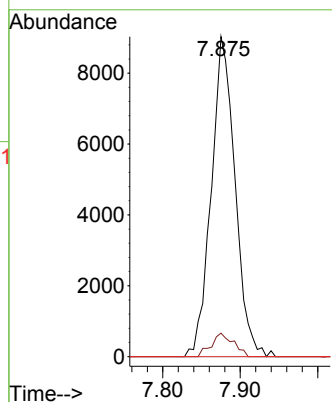
Tgt Ion:117 Resp: 19349

Ion Ratio Lower Upper

117 100

119 7.3 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 45.334 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077870.D

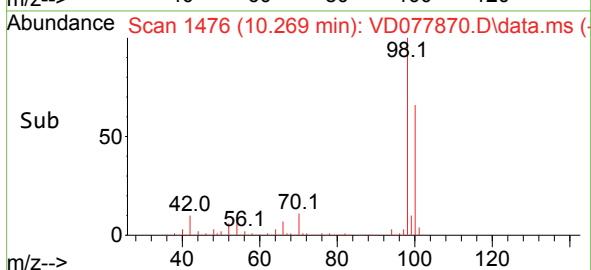
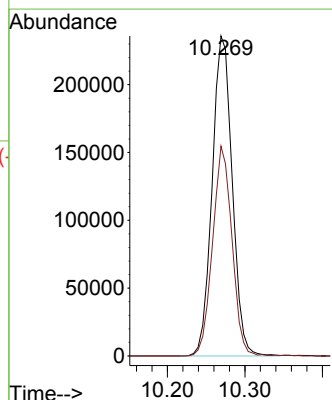
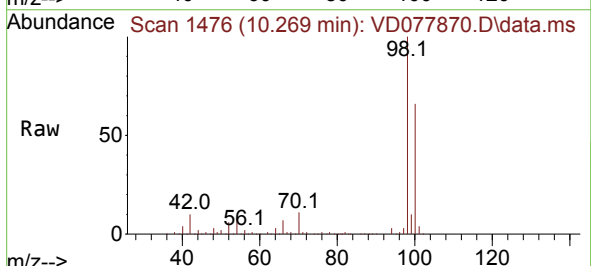
Acq: 13 Dec 2023 18:46

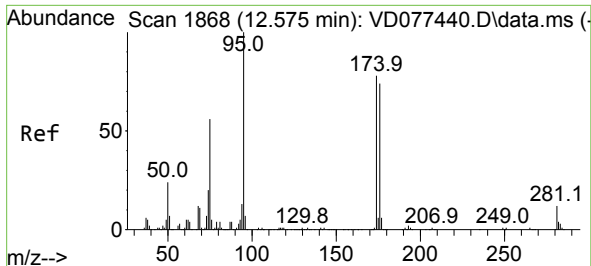
Tgt Ion: 98 Resp: 424032

Ion Ratio Lower Upper

98 100

100 63.3 50.3 75.5

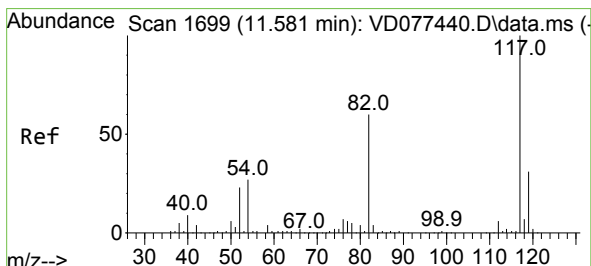
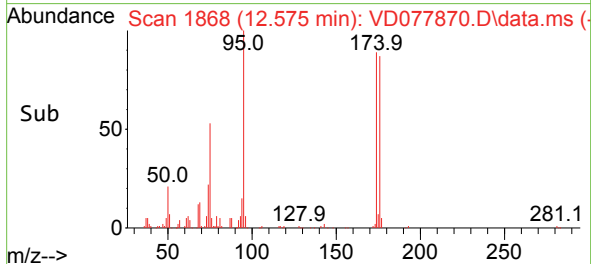
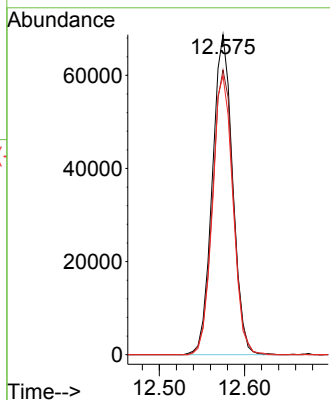
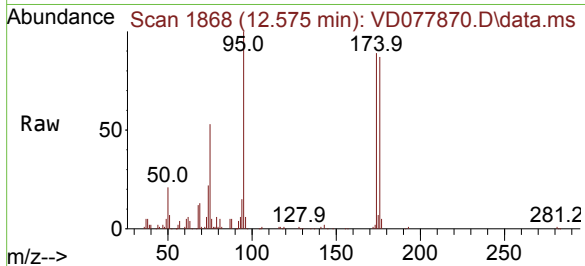




#62
4-Bromofluorobenzene
Concen: 40.610 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077870.D
Acq: 13 Dec 2023 18:46

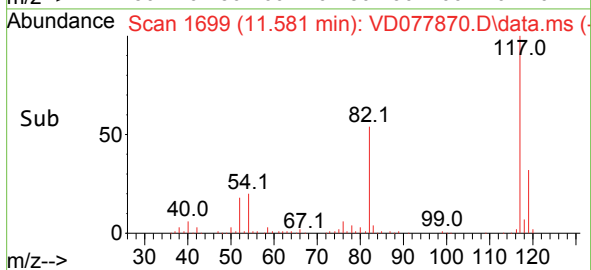
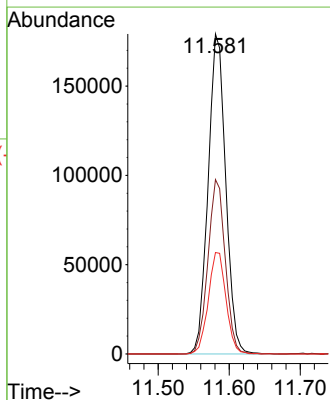
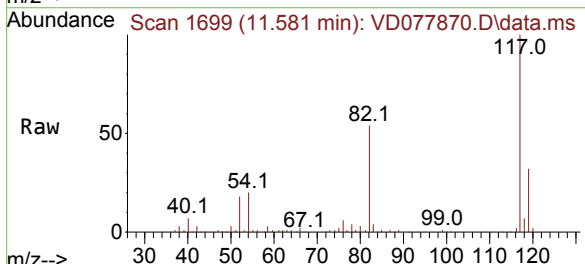
Instrument :
MSVOA_D
ClientSampleId :

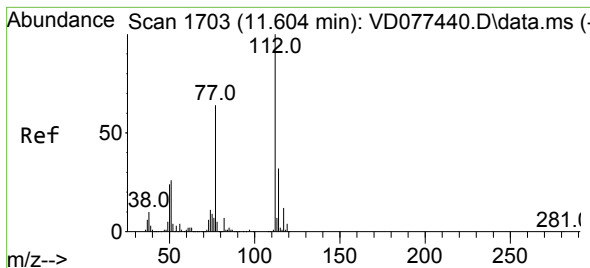
Tgt Ion: 95 Resp: 113563
Ion Ratio Lower Upper
95 100
174 91.4 0.0 201.8
176 87.7 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077870.D
Acq: 13 Dec 2023 18:46

Tgt Ion: 117 Resp: 308065
Ion Ratio Lower Upper
117 100
82 54.5 38.3 57.5
119 31.7 25.0 37.4

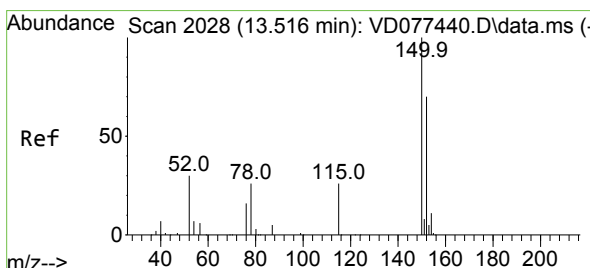
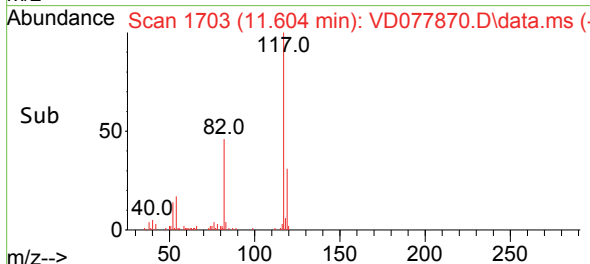
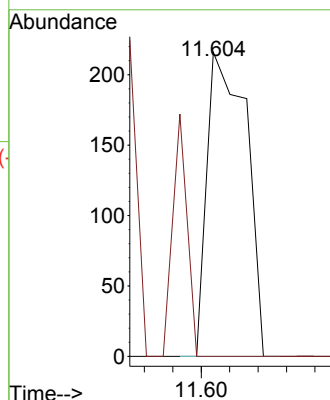
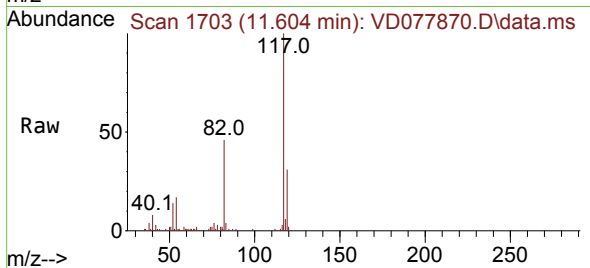




#65
Chlorobenzene
Concen: Below Cal
RT: 11.604 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077870.D
Acq: 13 Dec 2023 18:46

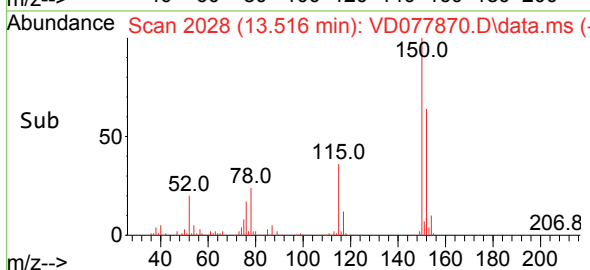
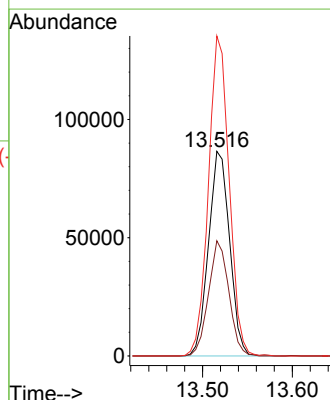
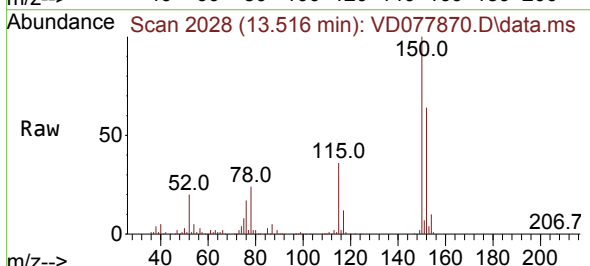
Instrument :
MSVOA_D
ClientSampleId :

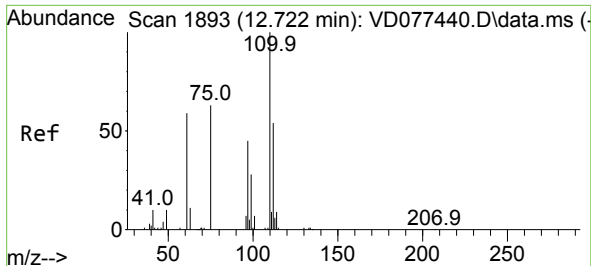
Tgt Ion:112 Resp: 206
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD077870.D
Acq: 13 Dec 2023 18:46

Tgt Ion:152 Resp: 141260
Ion Ratio Lower Upper
152 100
115 54.3 27.1 81.3
150 153.5 0.0 353.6

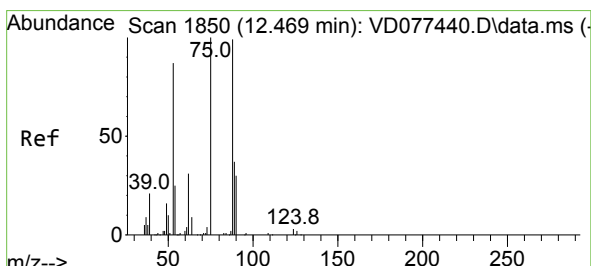
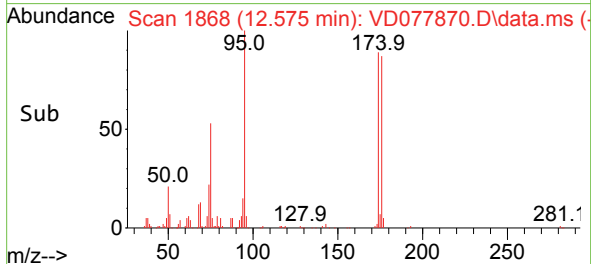
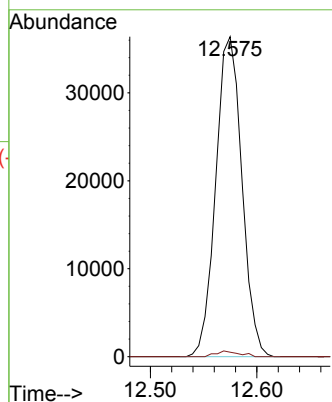
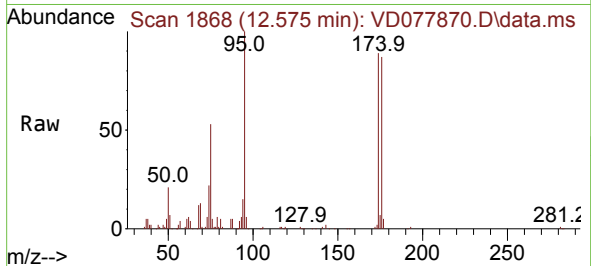




#76
1,2,3-Trichloropropane
Concen: 50.517 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077870.D
Acq: 13 Dec 2023 18:46

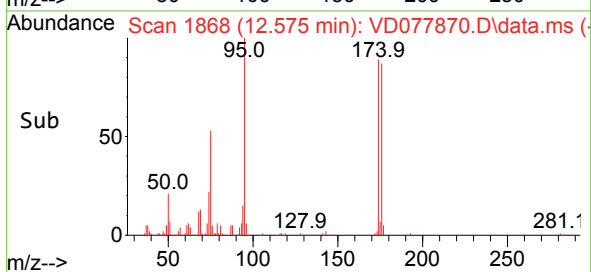
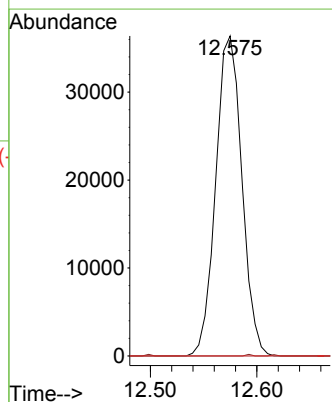
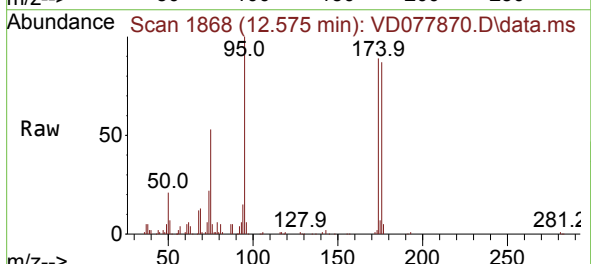
Instrument :
MSVOA_D
ClientSampleId :

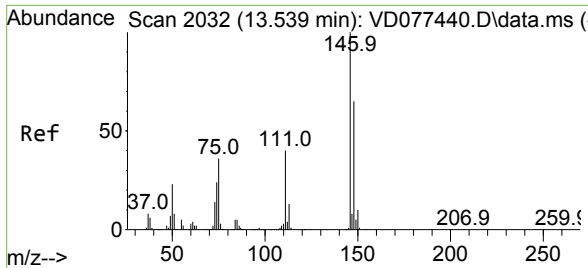
Tgt Ion: 75 Resp: 61977
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.351 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077870.D
Acq: 13 Dec 2023 18:46

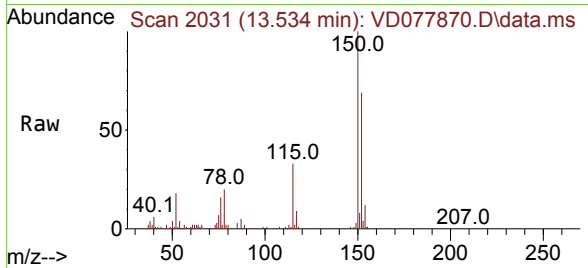
Tgt Ion: 75 Resp: 61977
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.0 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.534 min Scan# 2031
 Delta R.T. -0.005 min
 Lab File: VD077870.D
 Acq: 13 Dec 2023 18:46

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
146	100		
111	365.7	17.4	52.3#
148	130.7	31.7	95.1#

