

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122223\
 Data File : VD078068.D
 Acq On : 22 Dec 2023 17:07
 Operator : RP/MD
 Sample : 05879-06
 Misc : 5.77G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 23 03:39:02 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	159745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	284287	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	268255	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	116711	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	72454	38.491	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	76.980%
35) Dibromofluoromethane	7.804	113	85650	43.011	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.020%
50) Toluene-d8	10.269	98	359540	45.080	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.160%
62) 4-Bromofluorobenzene	12.575	95	101038	42.373	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.740%

Target Compounds					Qvalue
11) Tert butyl alcohol	5.057	59	74	Below Cal	# 73
16) Acetone	4.040	43	789	Below Cal	92
20) Methylene Chloride	4.799	84	8926	Below Cal	96
25) 2-Butanone	7.087	43	280	Below Cal	# 37
31) Cyclohexane	7.869	56	3844	1.148	ug/l # 73
36) 1,1-Dichloropropene	7.881	75	13666	4.290	ug/l # 48
38) Carbon Tetrachloride	7.881	117	15938	5.019	ug/l # 14
76) 1,2,3-Trichloropropane	12.575	75	53593	52.872	ug/l # 100
81) trans-1,4-Dichloro-2-b...	12.575	75	53593	107.122	ug/l # 17
88) 1,4-Dichlorobenzene	13.533	146	111	Below Cal	# 1

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

Instrument :

MSVOA_D

ClientSampleId :

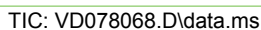
Quant Time: Dec 23 03:39:02 2023

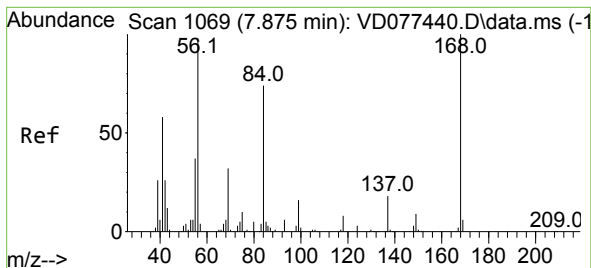
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M

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# 1

Delta R.T. 0.006 min

Lab File: VD078068.D

Acq: 22 Dec 2023 17:07

Instrument :

MSVOA_D

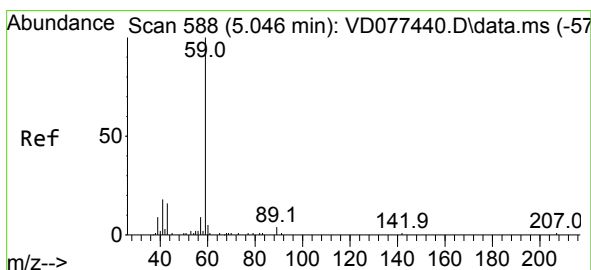
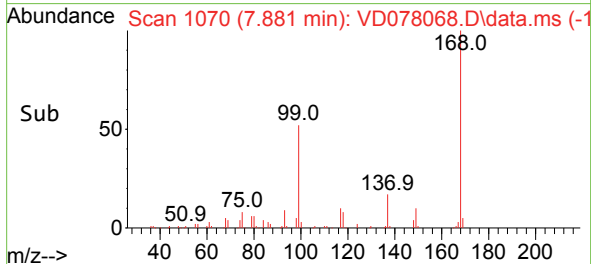
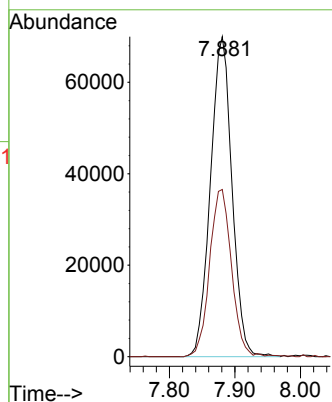
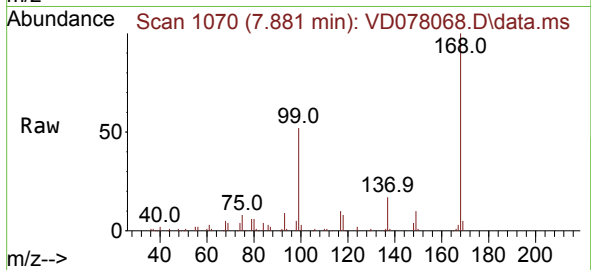
ClientSampleId :

Tgt Ion:168 Resp: 159745

Ion Ratio Lower Upper

168 100

99 52.2 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.057 min Scan# 590

Delta R.T. 0.011 min

Lab File: VD078068.D

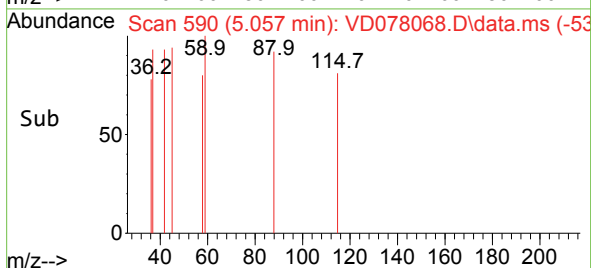
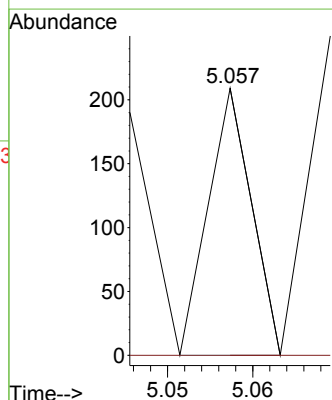
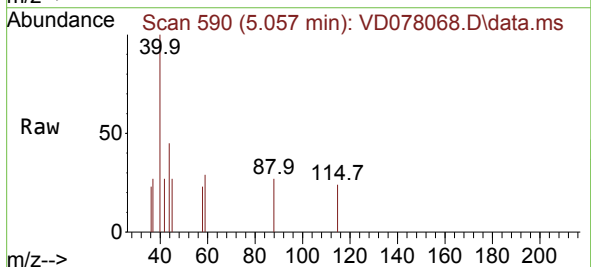
Acq: 22 Dec 2023 17:07

Tgt Ion: 59 Resp: 74

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

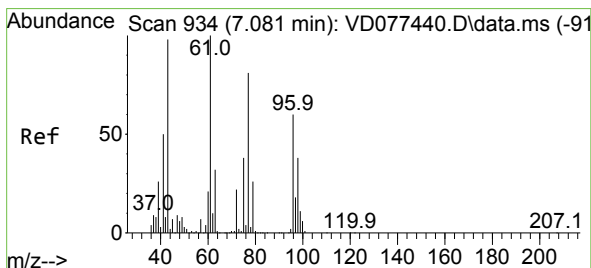
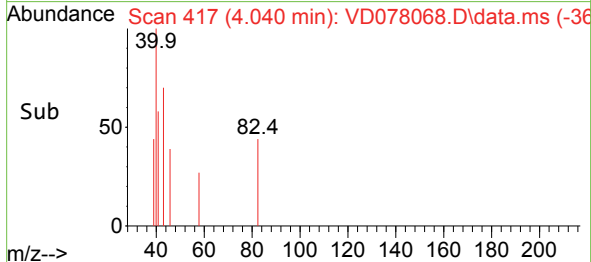
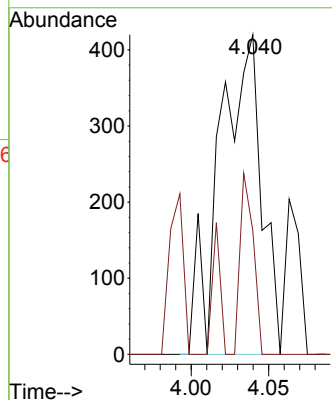
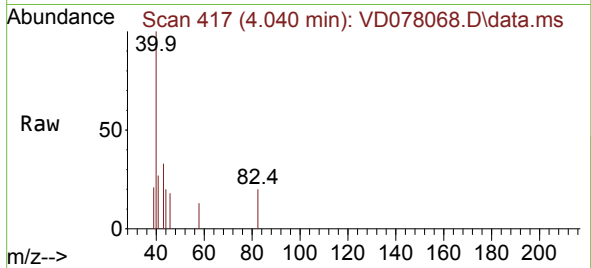




#16
Acetone
Concen: Below Cal
RT: 4.040 min Scan# 414
Delta R.T. 0.018 min
Lab File: VD078068.D
Acq: 22 Dec 2023 17:07

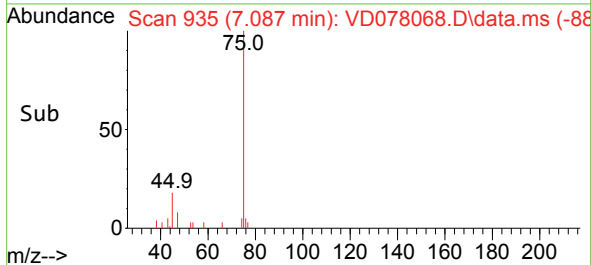
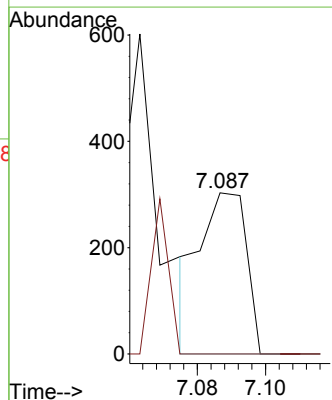
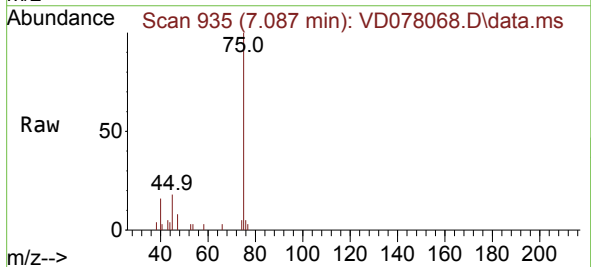
Instrument :
MSVOA_D
ClientSampleId :

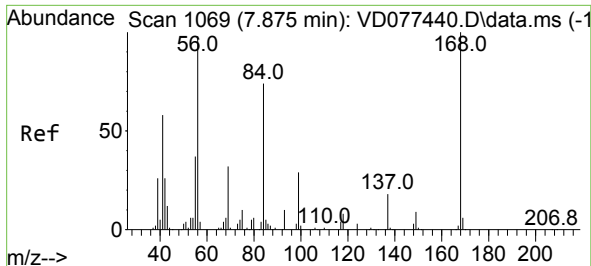
Tgt Ion: 43 Resp: 789
Ion Ratio Lower Upper
43 100
58 38.6 34.7 52.1



#25
2-Butanone
Concen: Below Cal
RT: 7.087 min Scan# 935
Delta R.T. 0.006 min
Lab File: VD078068.D
Acq: 22 Dec 2023 17:07

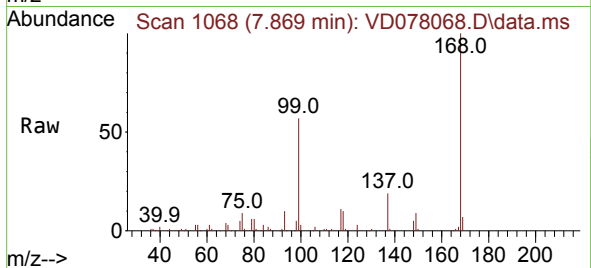
Tgt Ion: 43 Resp: 280
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



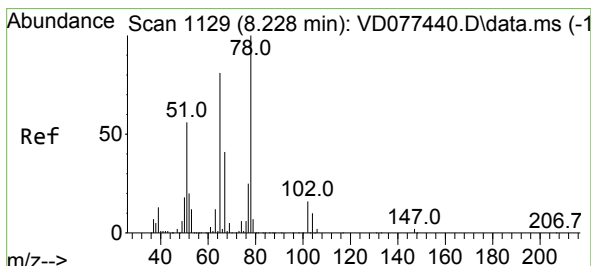
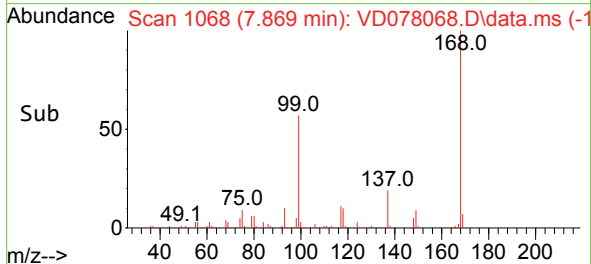
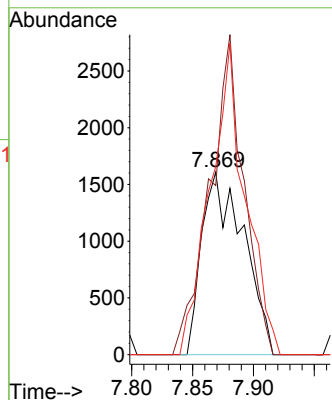


#31
Cyclohexane
Concen: 1.148 ug/l
RT: 7.869 min Scan# 1106
Delta R.T. -0.006 min
Lab File: VD078068.D
Acq: 22 Dec 2023 17:07

Instrument :
MSVOA_D
ClientSampleId :

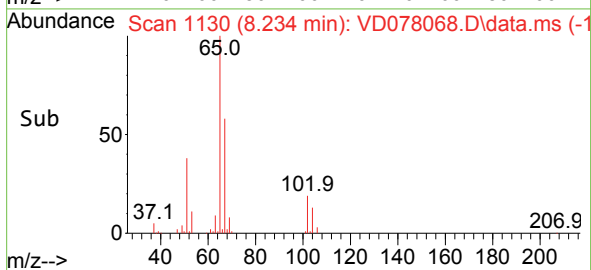
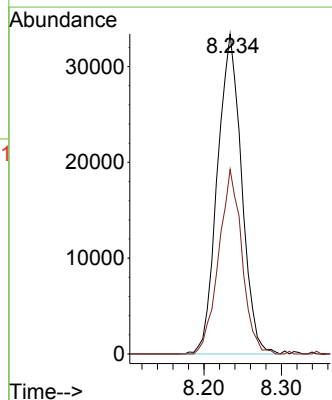
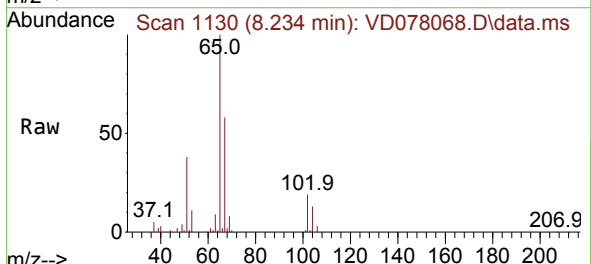


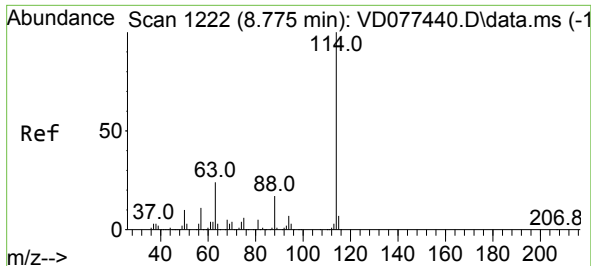
Tgt Ion: 56 Resp: 3844
Ion Ratio Lower Upper
56 100
69 92.7 28.6 43.0#
84 103.0 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 38.491 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD078068.D
Acq: 22 Dec 2023 17:07

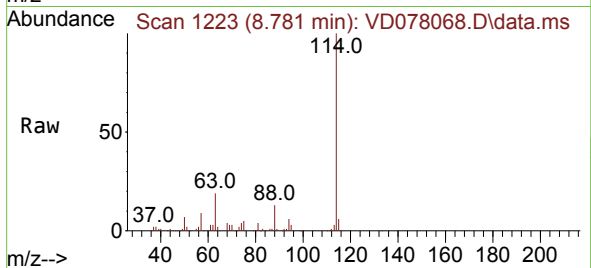
Tgt Ion: 65 Resp: 72454
Ion Ratio Lower Upper
65 100
67 55.5 0.0 115.0



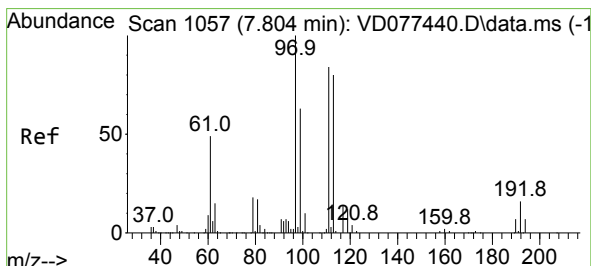
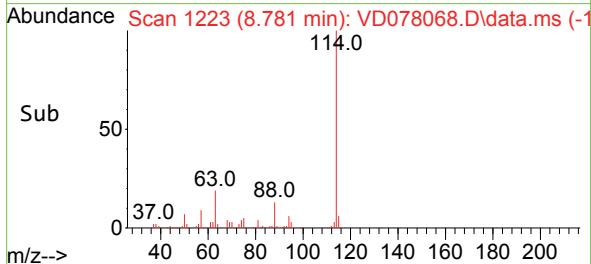
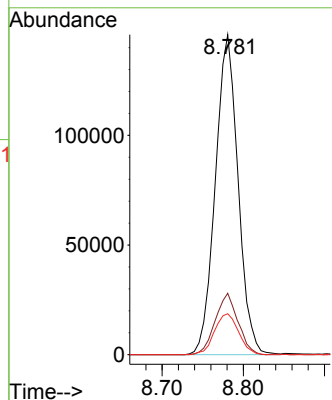


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 114
Delta R.T. 0.006 min
Lab File: VD078068.D
Acq: 22 Dec 2023 17:07

Instrument :
MSVOA_D
ClientSampleId :

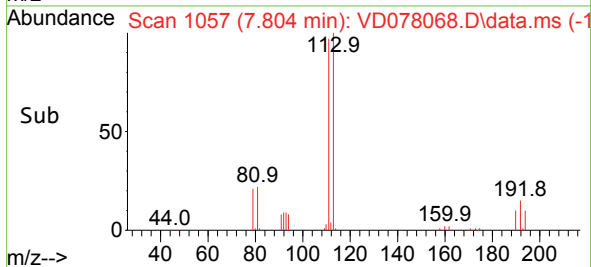
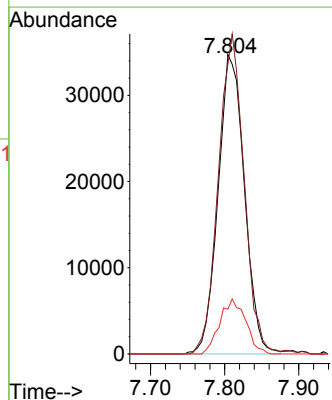
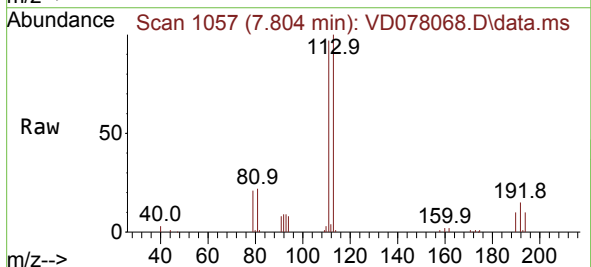


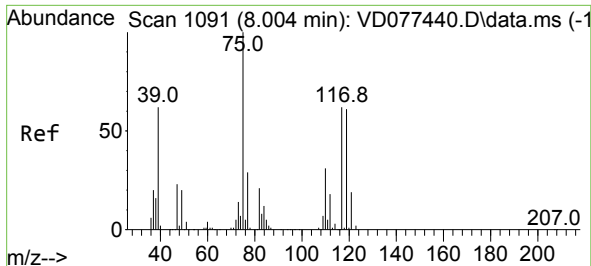
Tgt Ion:114 Resp: 284287
Ion Ratio Lower Upper
114 100
63 19.2 0.0 33.4
88 12.8 0.0 26.2



#35
Dibromofluoromethane
Concen: 43.011 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD078068.D
Acq: 22 Dec 2023 17:07

Tgt Ion:113 Resp: 85650
Ion Ratio Lower Upper
113 100
111 104.9 84.7 127.1
192 18.1 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.290 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.123 min

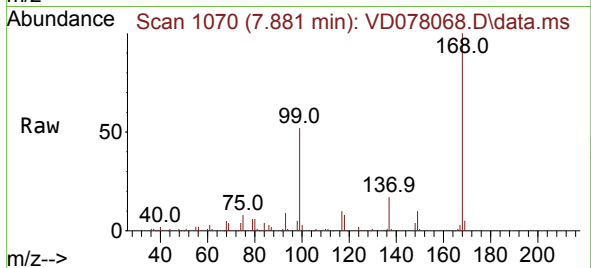
Lab File: VD078068.D

Acq: 22 Dec 2023 17:07

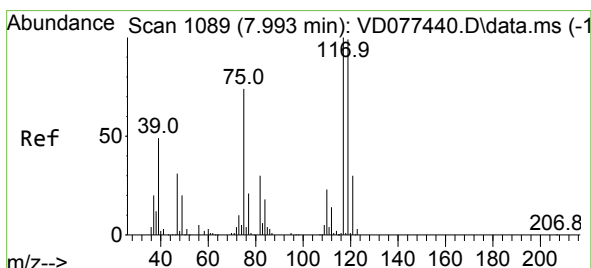
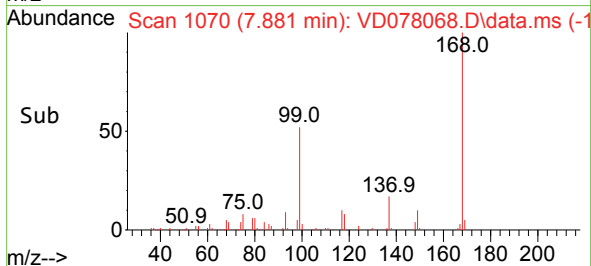
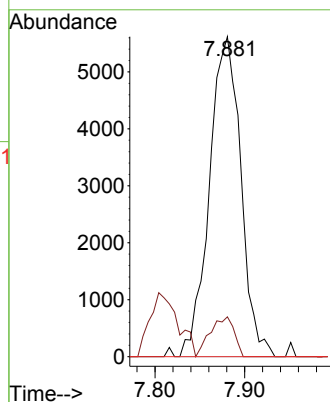
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 13666
Ion Ratio	Lower Upper
75	100
110	9.5 19.9 59.6#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.019 ug/l

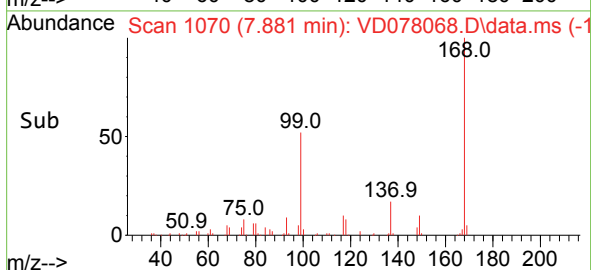
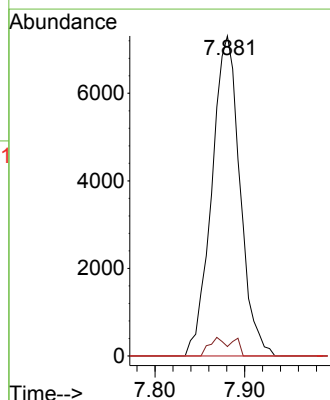
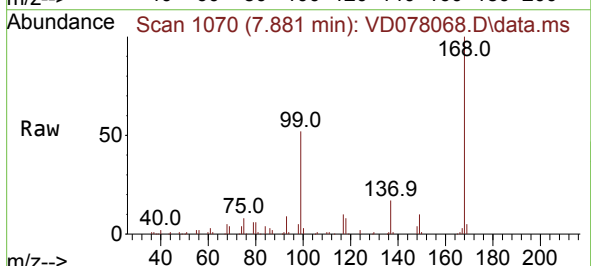
RT: 7.881 min Scan# 1070

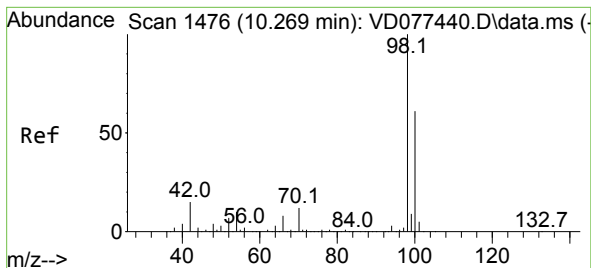
Delta R.T. -0.112 min

Lab File: VD078068.D

Acq: 22 Dec 2023 17:07

Tgt Ion: 117	Resp: 15938
Ion Ratio	Lower Upper
117	100
119	2.9 78.0 117.0#
121	0.0 24.2 36.2#





#50

Toluene-d8

Concen: 45.080 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD078068.D

Acq: 22 Dec 2023 17:07

Instrument :

MSVOA_D

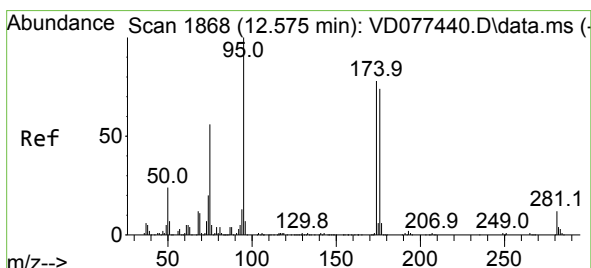
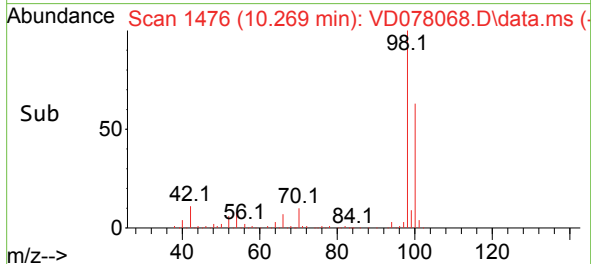
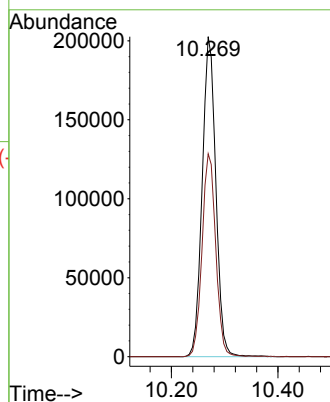
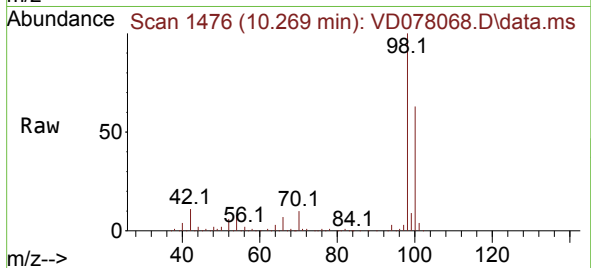
ClientSampleId :

Tgt Ion: 98 Resp: 359540

Ion Ratio Lower Upper

98 100

100 63.6 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 42.373 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD078068.D

Acq: 22 Dec 2023 17:07

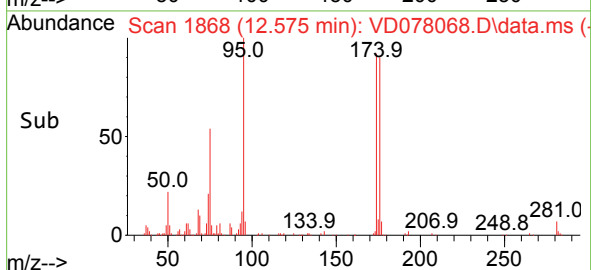
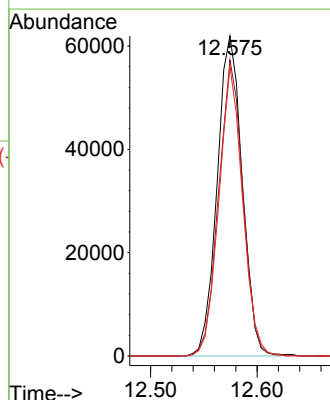
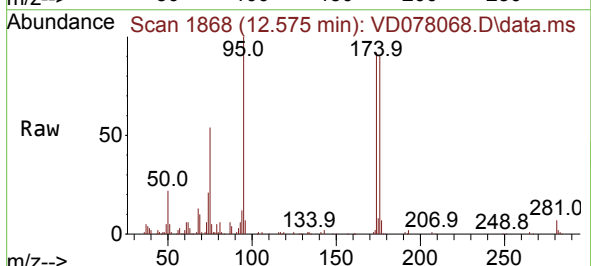
Tgt Ion: 95 Resp: 101038

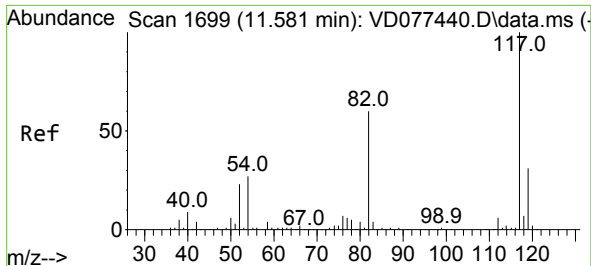
Ion Ratio Lower Upper

95 100

174 89.8 0.0 201.8

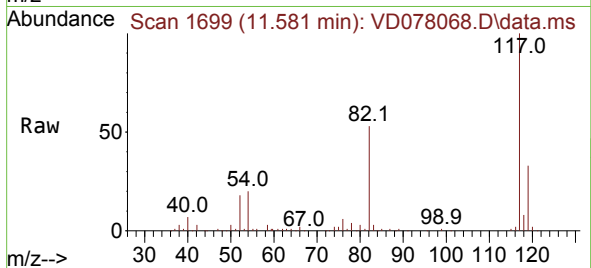
176 85.6 0.0 191.8



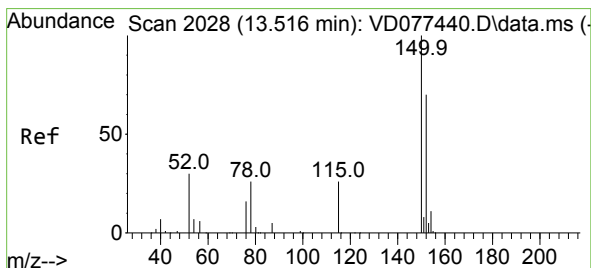
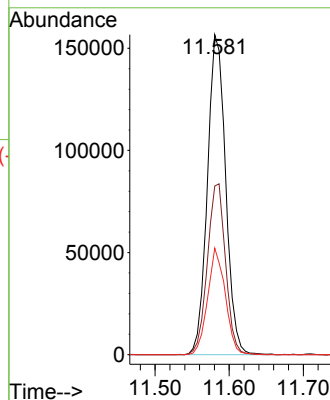
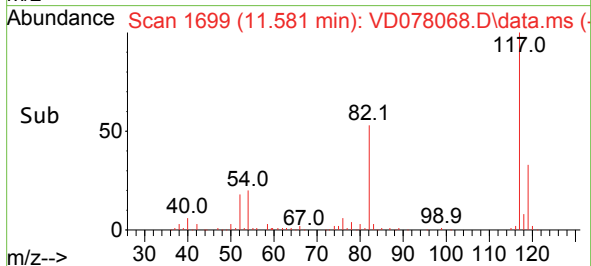


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD078068.D
Acq: 22 Dec 2023 17:07

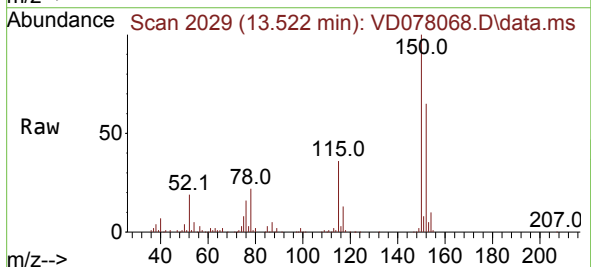
Instrument :
MSVOA_D
ClientSampleId :



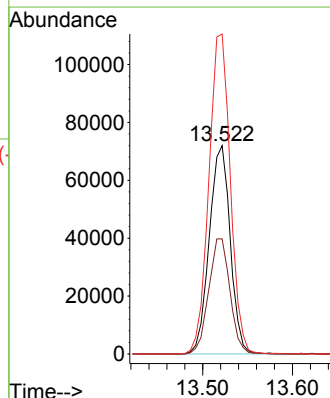
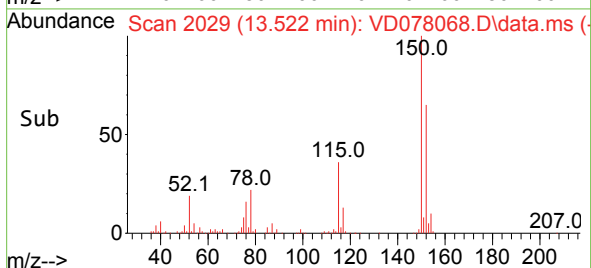
Tgt Ion:117 Resp: 268255
Ion Ratio Lower Upper
117 100
82 52.7 38.3 57.5
119 33.3 25.0 37.4

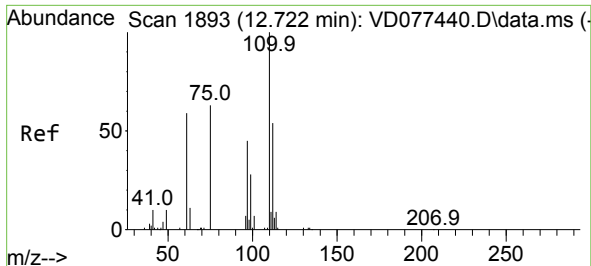


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD078068.D
Acq: 22 Dec 2023 17:07



Tgt Ion:152 Resp: 116711
Ion Ratio Lower Upper
152 100
115 56.1 27.1 81.3
150 157.2 0.0 353.6

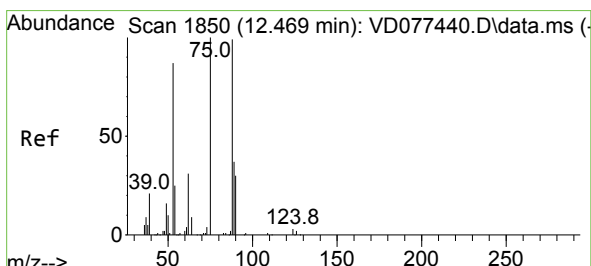
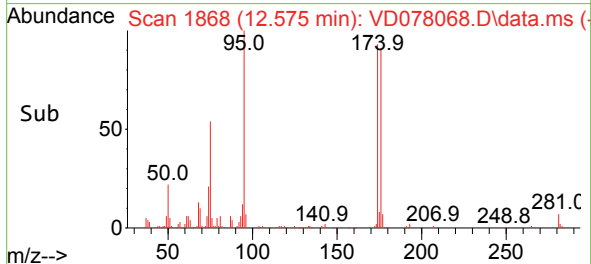
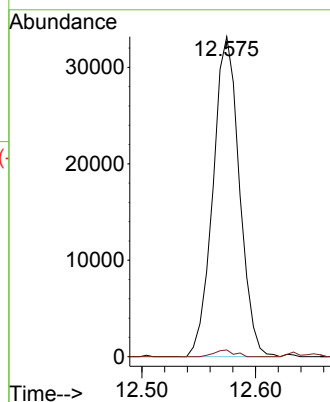
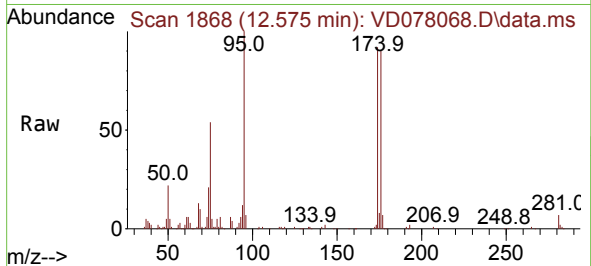




#76
1,2,3-Trichloropropane
Concen: 52.872 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078068.D
Acq: 22 Dec 2023 17:07

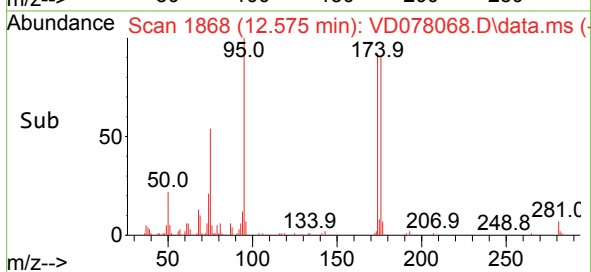
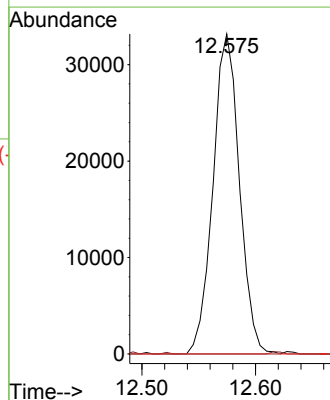
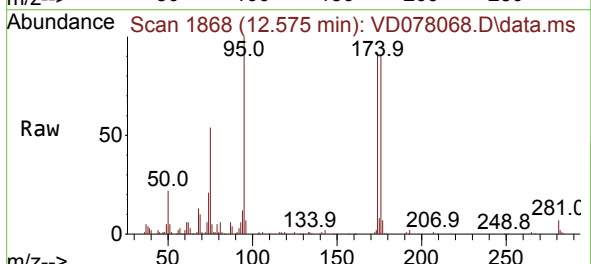
Instrument :
MSVOA_D
ClientSampleId :

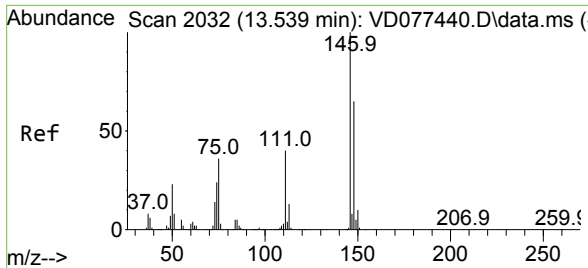
Tgt Ion: 75 Resp: 53593
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.122 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078068.D
Acq: 22 Dec 2023 17:07

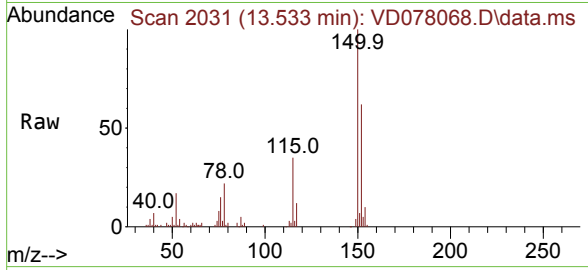
Tgt Ion: 75 Resp: 53593
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.533 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VD078068.D
 Acq: 22 Dec 2023 17:07

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	146	Resp:	111
Ion	Ratio	Lower	Upper
146	100		
111	1368.5	17.4	52.3#
148	631.5	31.7	95.1#

