

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092823\
 Data File : VD077230.D
 Acq On : 28 Sep 2023 13:16
 Operator : JC/SY
 Sample : VD0928SBL01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 29 02:17:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 04:46:37 2023
 Response via : Initial Calibration

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

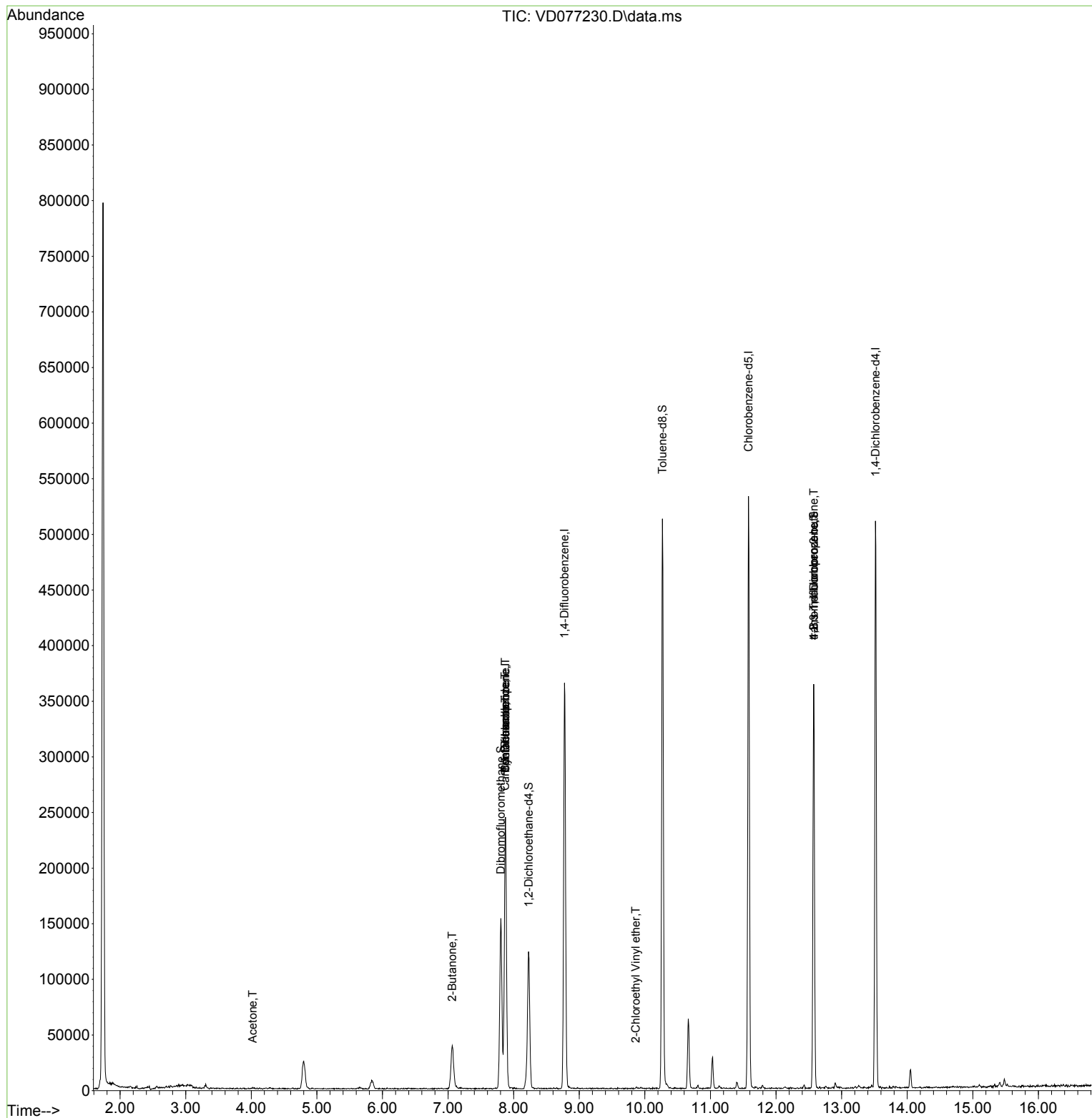
Internal Standards						
1) Pentafluorobenzene	7.875	168	192010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	340642	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	319790	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	141458	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	92199	47.580	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.160%
35) Dibromofluoromethane	7.804	113	108463	45.841	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.680%
50) Toluene-d8	10.269	98	360866	42.849	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	85.700%
62) 4-Bromofluorobenzene	12.575	95	101472	38.874	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.740%
Target Compounds						
					Qvalue	
16) Acetone	4.022	43	629	1.420	ug/l	95
25) 2-Butanone	7.063	43	1743	2.991	ug/l #	37
31) Cyclohexane	7.875	56	4468	1.318	ug/l #	42
36) 1,1-Dichloropropene	7.875	75	15741	4.418	ug/l #	49
38) Carbon Tetrachloride	7.869	117	18221	5.203	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.863	63	572	27.320	ug/l #	87
76) 1,2,3-Trichloropropane	12.575	75	50415	44.679	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	50415	84.569	ug/l #	18

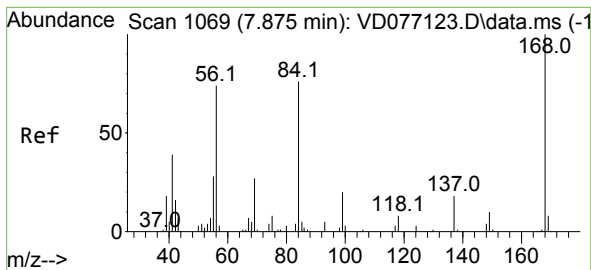
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 29 02:17:50 2023
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Quant Title : SW846 8260
QLast Update : Tue Sep 19 04:46:37 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD077230.D

Acq: 28 Sep 2023 13:16

Instrument :

MSVOA_D

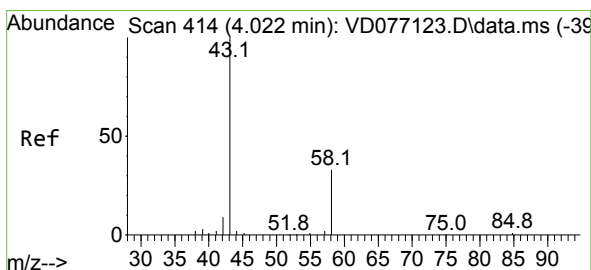
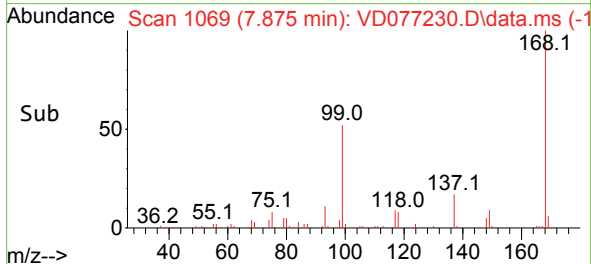
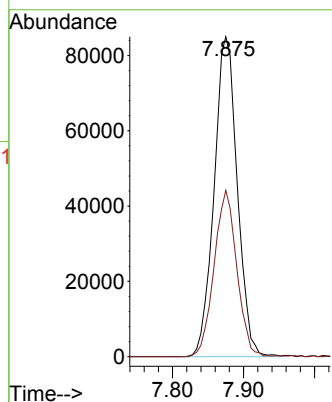
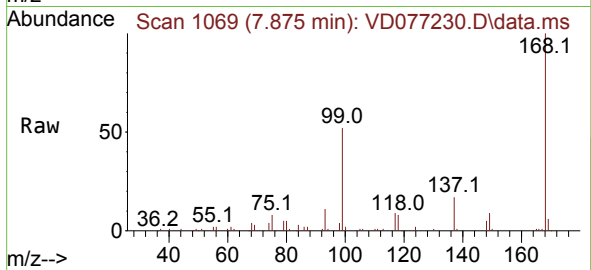
ClientSampleId :

Tgt Ion:168 Resp: 192010

Ion Ratio Lower Upper

168 100

99 51.9 36.7 55.1



#16

Acetone

Concen: 1.420 ug/l

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD077230.D

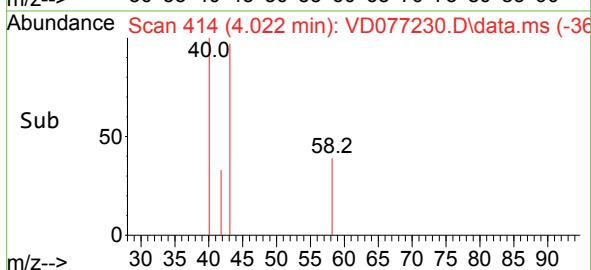
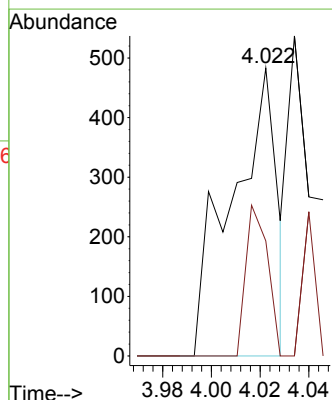
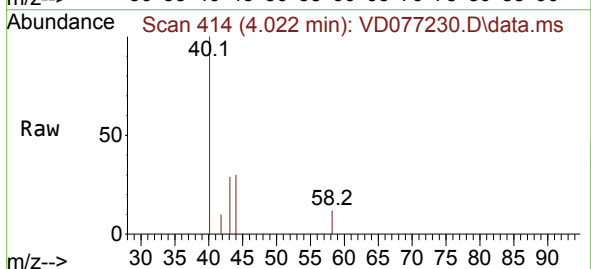
Acq: 28 Sep 2023 13:16

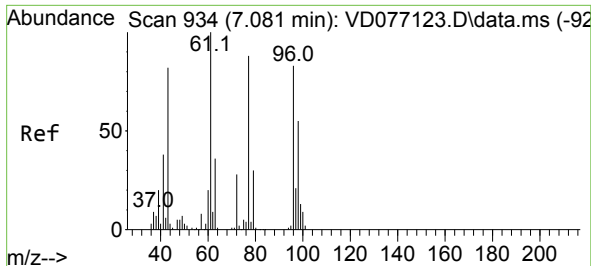
Tgt Ion: 43 Resp: 629

Ion Ratio Lower Upper

43 100

58 40.0 34.7 52.1





#25

2-Butanone

Concen: 2.991 ug/l

RT: 7.063 min Scan# 91

Delta R.T. -0.018 min

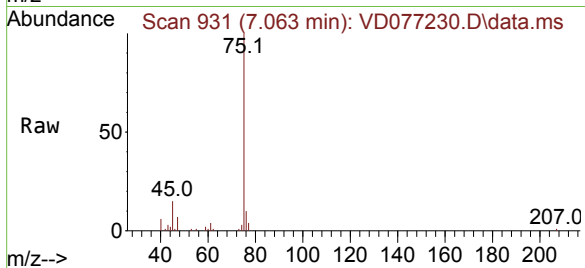
Lab File: VD077230.D

Acq: 28 Sep 2023 13:16

Instrument :

MSVOA_D

ClientSampleId :

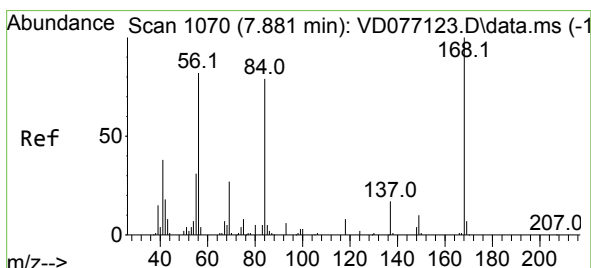
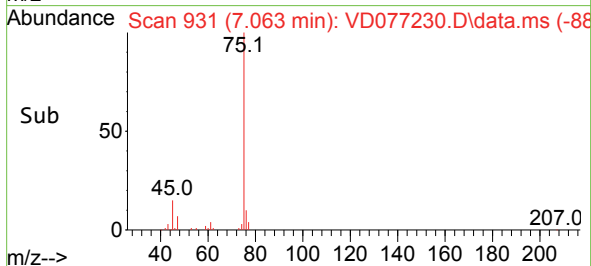
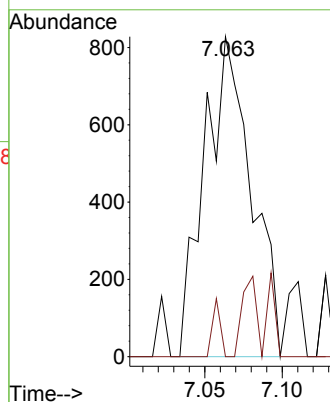


Tgt Ion: 43 Resp: 1743

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#



#31

Cyclohexane

Concen: 1.318 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD077230.D

Acq: 28 Sep 2023 13:16

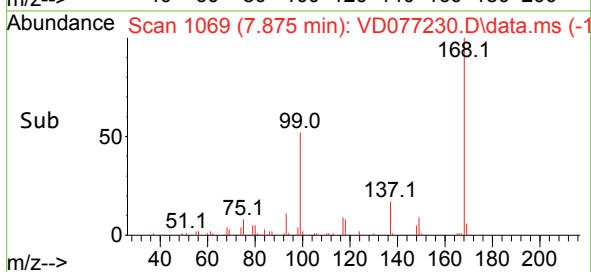
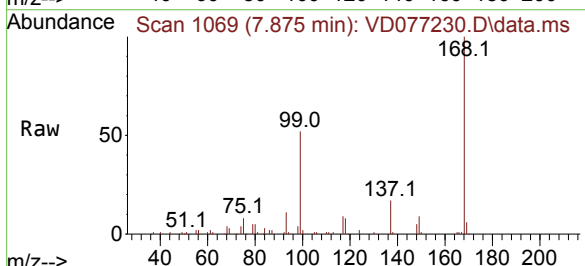
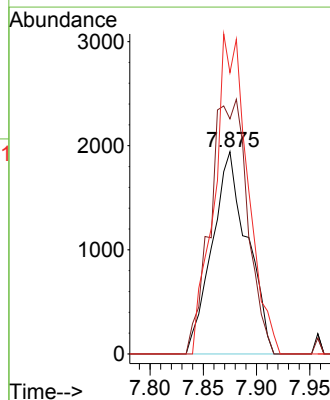
Tgt Ion: 56 Resp: 4468

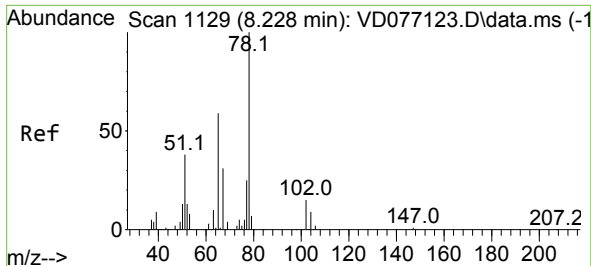
Ion Ratio Lower Upper

56 100

69 116.2 28.6 43.0#

84 139.1 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 47.580 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077230.D

Acq: 28 Sep 2023 13:16

Instrument :

MSVOA_D

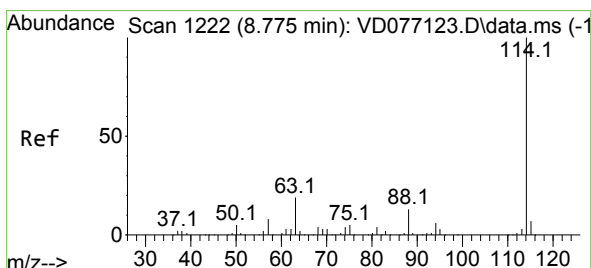
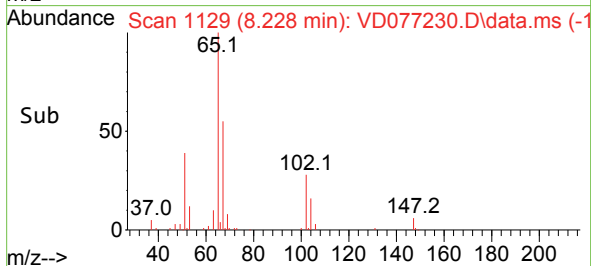
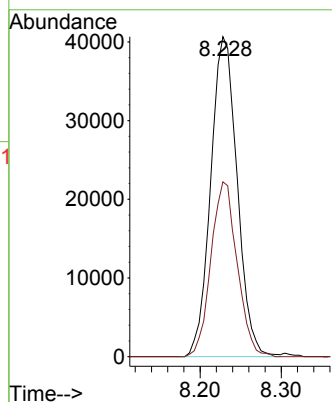
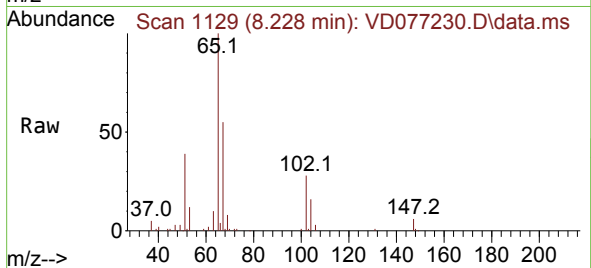
ClientSampleId :

Tgt Ion: 65 Resp: 92199

Ion Ratio Lower Upper

65 100

67 54.0 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD077230.D

Acq: 28 Sep 2023 13:16

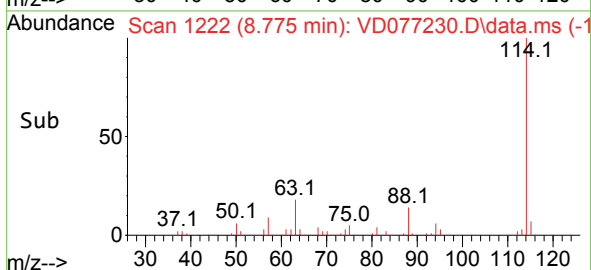
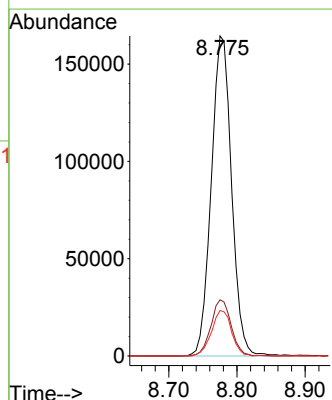
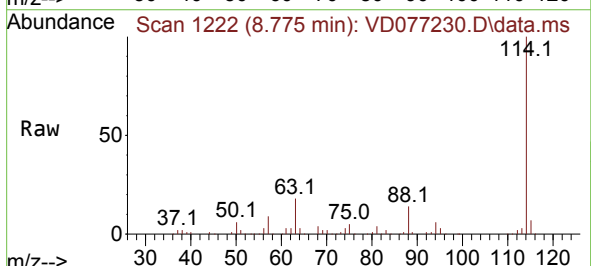
Tgt Ion: 114 Resp: 340642

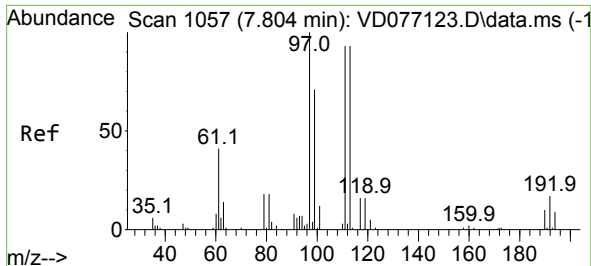
Ion Ratio Lower Upper

114 100

63 17.6 0.0 33.4

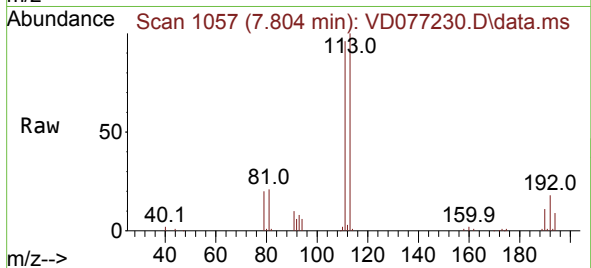
88 14.2 0.0 26.2



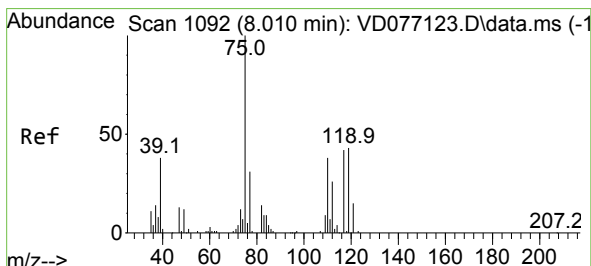
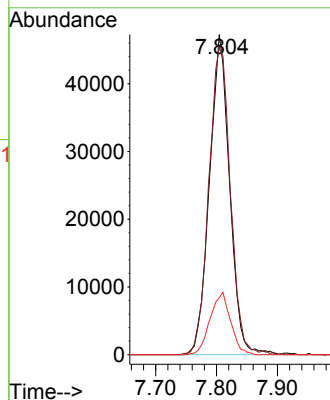
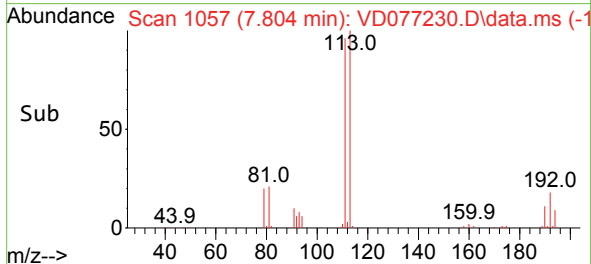


#35
Dibromofluoromethane
Concen: 45.841 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077230.D
Acq: 28 Sep 2023 13:16

Instrument :
MSVOA_D
ClientSampleId :

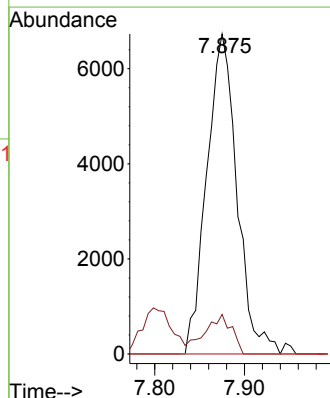
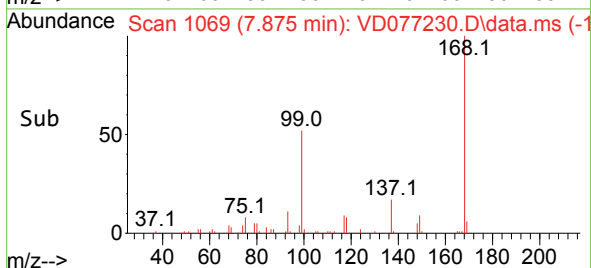
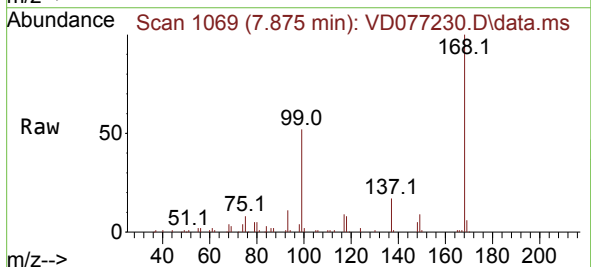


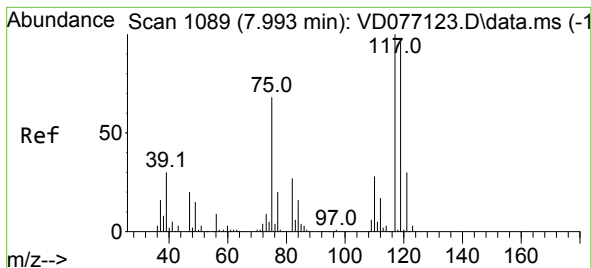
Tgt Ion:113 Resp: 108463
Ion Ratio Lower Upper
113 100
111 103.1 84.7 127.1
192 19.8 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.418 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD077230.D
Acq: 28 Sep 2023 13:16

Tgt Ion: 75 Resp: 15741
Ion Ratio Lower Upper
75 100
110 10.4 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.203 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.123 min

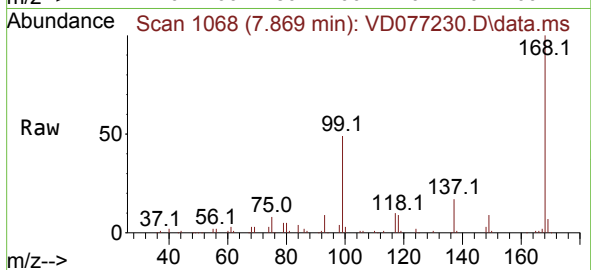
Lab File: VD077230.D

Acq: 28 Sep 2023 13:16

Instrument :

MSVOA_D

ClientSampleId :



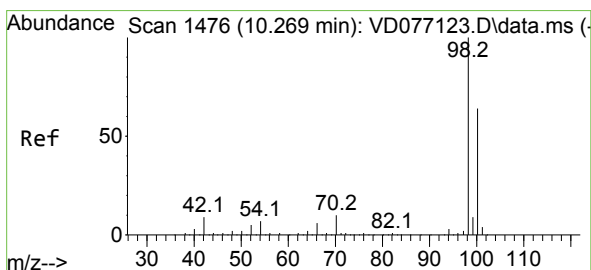
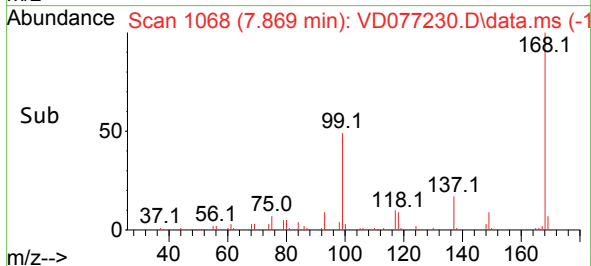
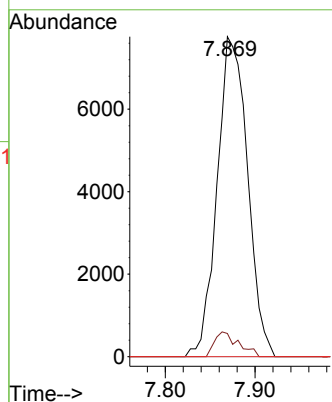
Tgt Ion:117 Resp: 18221

Ion Ratio Lower Upper

117 100

119 7.3 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 42.849 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077230.D

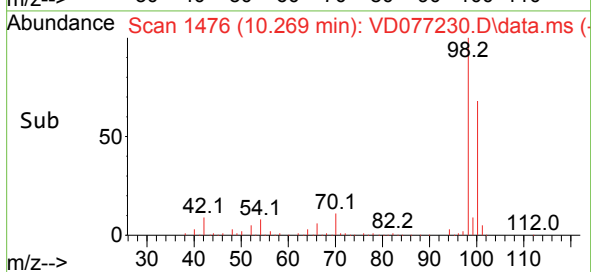
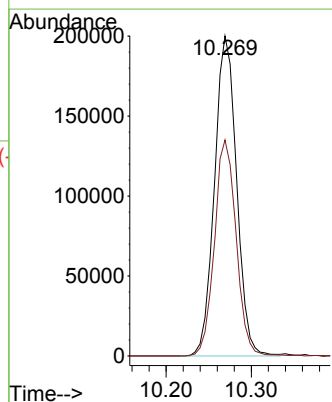
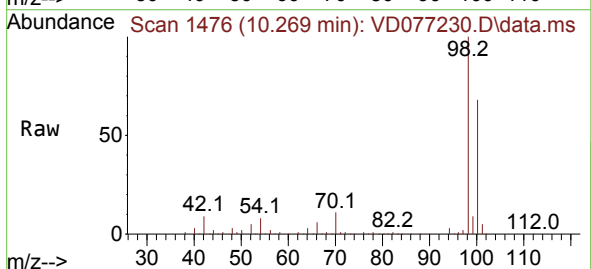
Acq: 28 Sep 2023 13:16

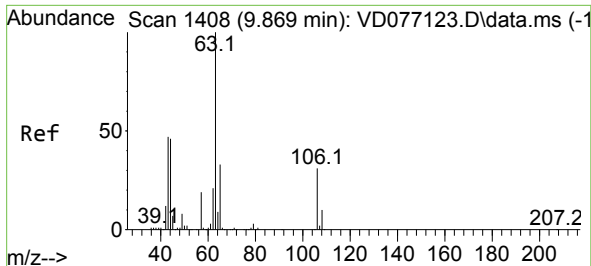
Tgt Ion: 98 Resp: 360866

Ion Ratio Lower Upper

98 100

100 66.4 50.3 75.5





#58

2-Chloroethyl Vinyl ether

Concen: 27.320 ug/l

RT: 9.863 min Scan# 1408

Delta R.T. -0.006 min

Lab File: VD077230.D

Acq: 28 Sep 2023 13:16

Instrument :

MSVOA_D

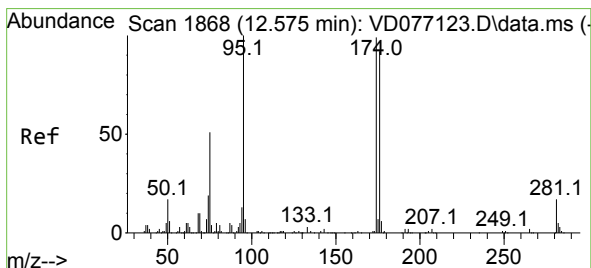
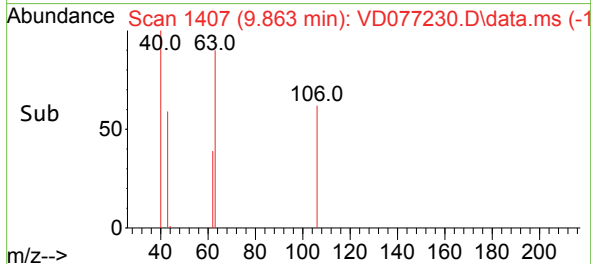
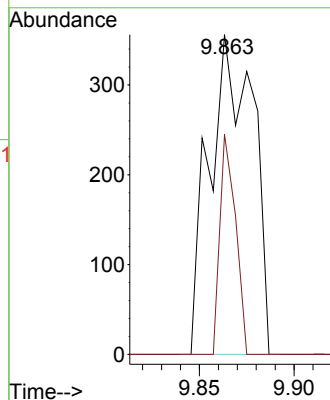
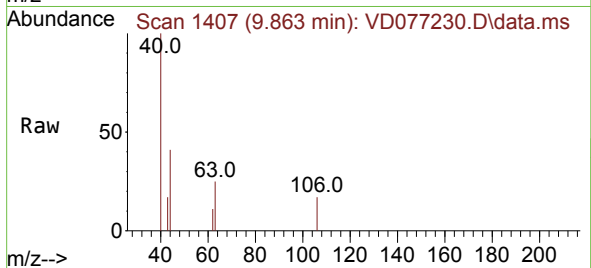
ClientSampleId :

Tgt Ion: 63 Resp: 572

Ion Ratio Lower Upper

63 100

106 24.7 25.3 37.9#



#62

4-Bromofluorobenzene

Concen: 38.874 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VD077230.D

Acq: 28 Sep 2023 13:16

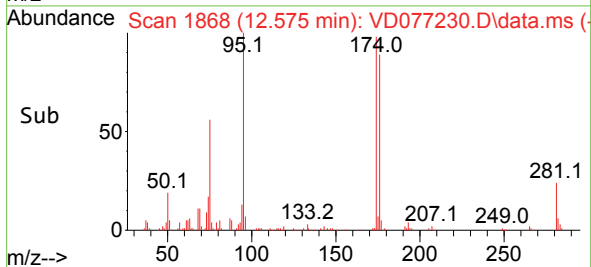
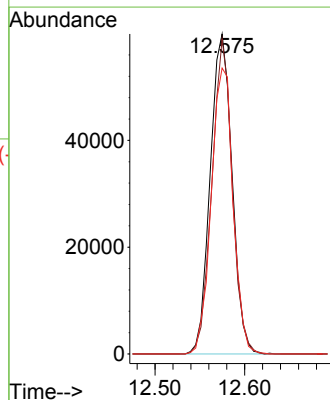
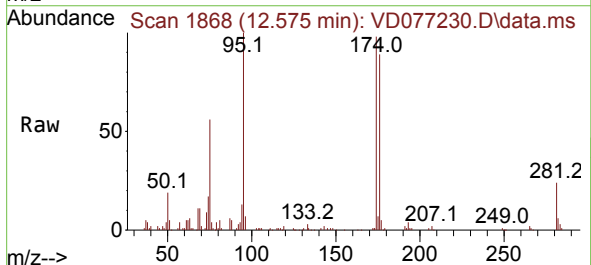
Tgt Ion: 95 Resp: 101472

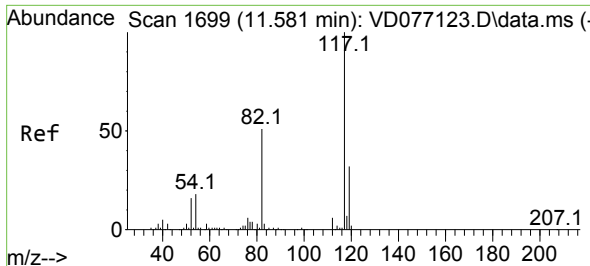
Ion Ratio Lower Upper

95 100

174 91.4 0.0 201.8

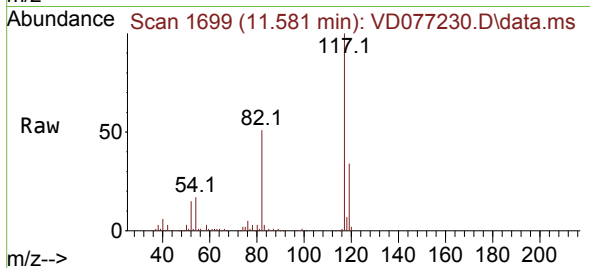
176 89.4 0.0 191.8



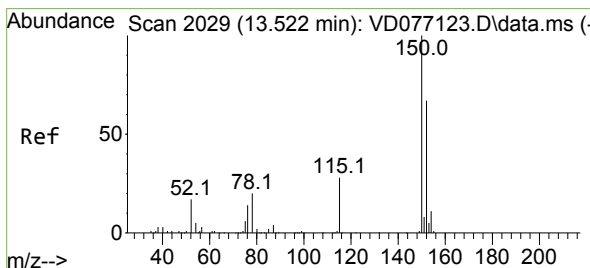
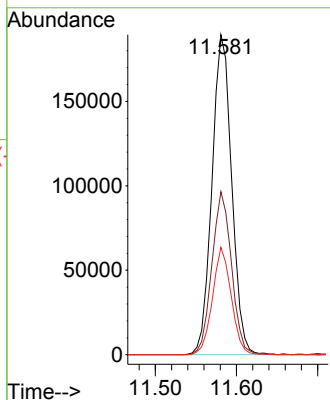
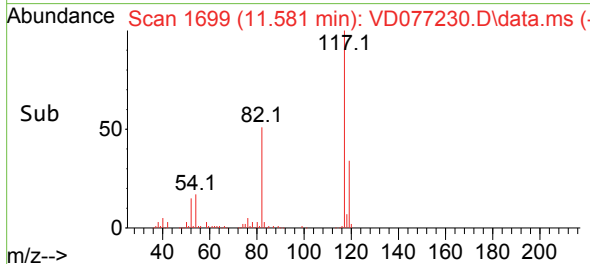


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077230.D
Acq: 28 Sep 2023 13:16

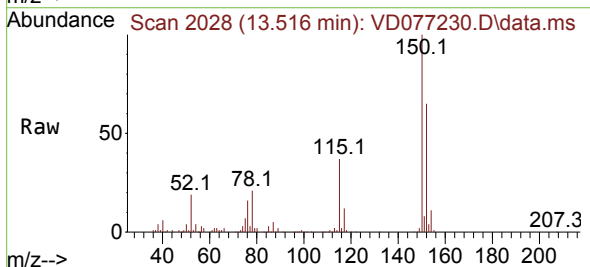
Instrument :
MSVOA_D
ClientSampleId :



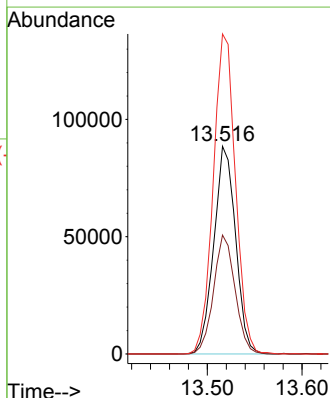
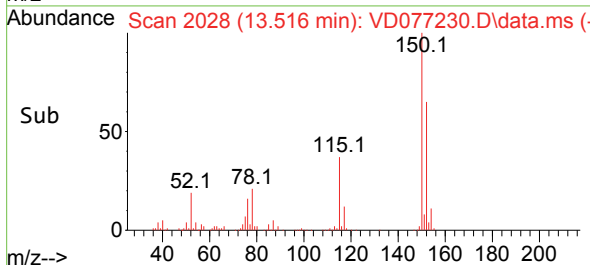
Tgt Ion:117 Resp: 319790
Ion Ratio Lower Upper
117 100
82 50.9 38.3 57.5
119 33.6 25.0 37.4

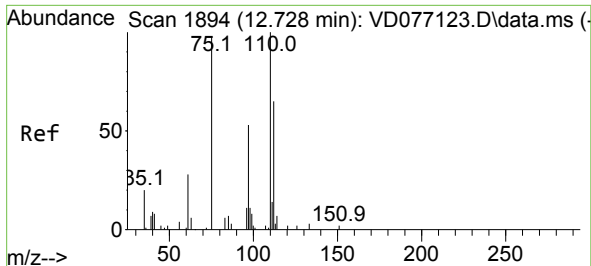


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD077230.D
Acq: 28 Sep 2023 13:16



Tgt Ion:152 Resp: 141458
Ion Ratio Lower Upper
152 100
115 56.4 27.1 81.3
150 157.1 0.0 353.6

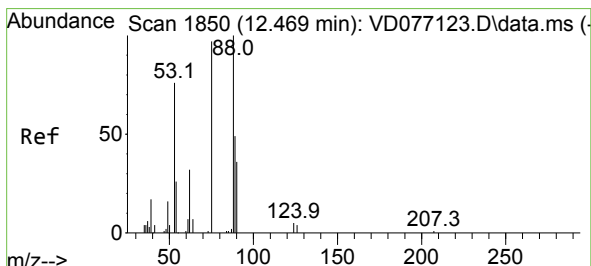
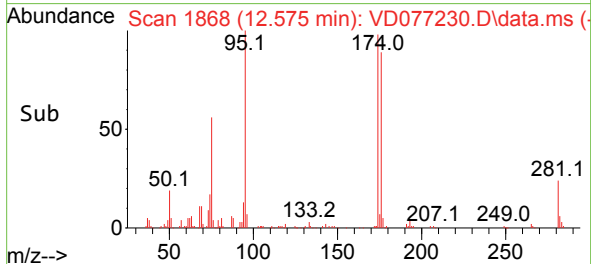
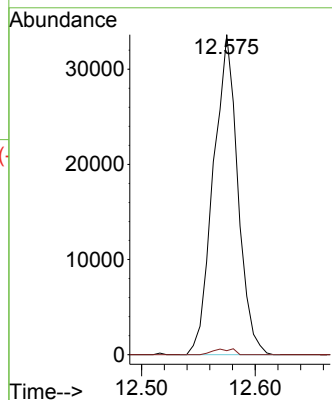
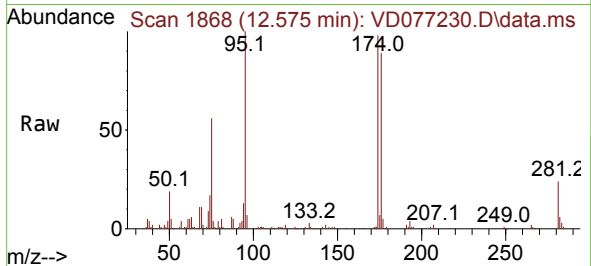




#76
1,2,3-Trichloropropane
Concen: 44.679 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD077230.D
Acq: 28 Sep 2023 13:16

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 50415
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.569 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077230.D
Acq: 28 Sep 2023 13:16

Tgt Ion: 75 Resp: 50415
Ion Ratio Lower Upper
75 100
53 0.2 63.0 94.4#
89 0.2 37.9 56.9#

