

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
 Data File : VD077908.D
 Acq On : 15 Dec 2023 17:18
 Operator : RP/MD
 Sample : 05759-03
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 04:04:28 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)

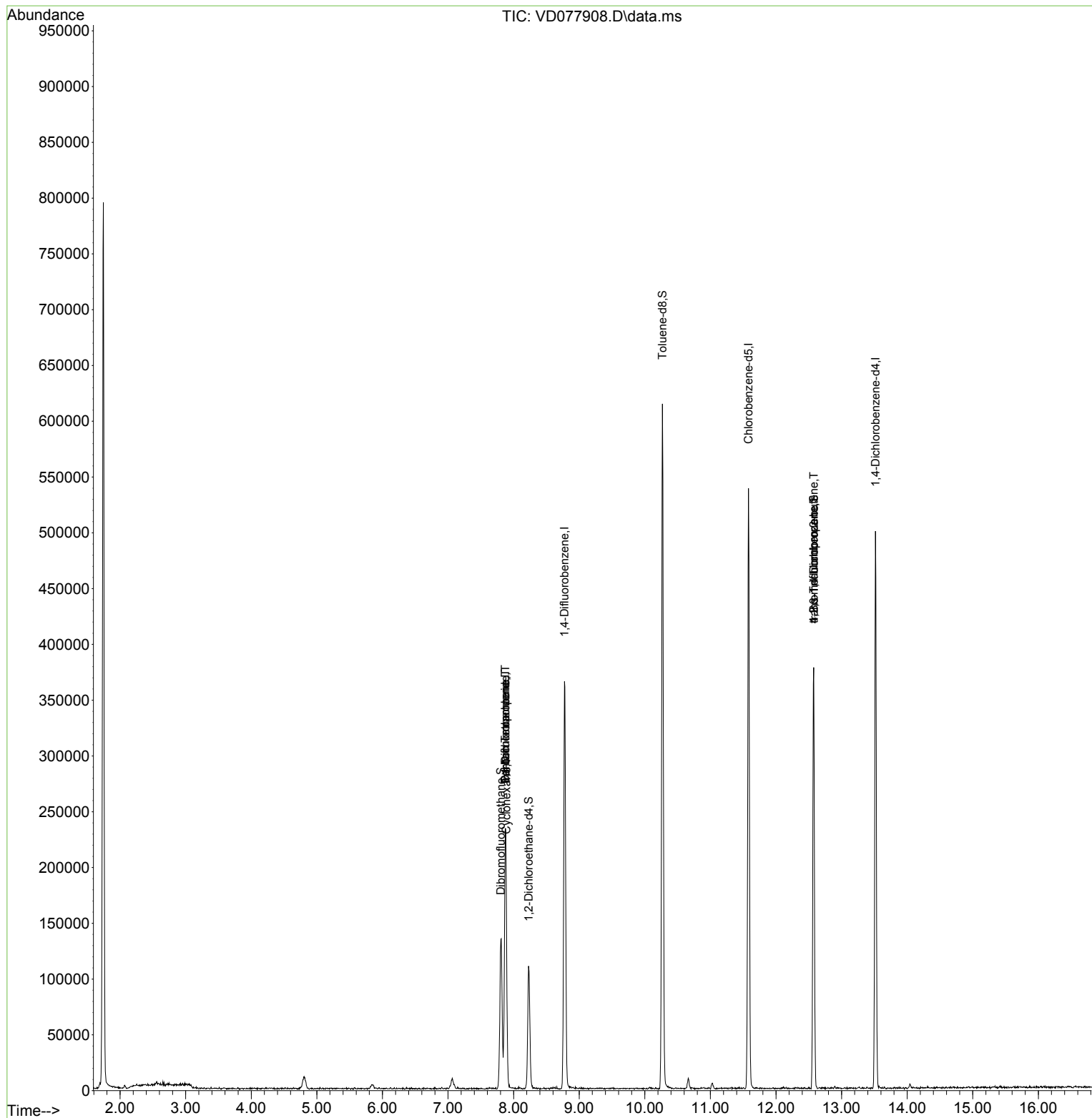
Internal Standards						
1) Pentafluorobenzene	7.875	168	182106	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	327681	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	310501	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	129940	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	84322	39.295	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.600%
35) Dibromofluoromethane	7.805	113	100202	43.655	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.320%
50) Toluene-d8	10.269	98	426609	46.406	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.820%
62) 4-Bromofluorobenzene	12.575	95	114062	41.500	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.000%
Target Compounds						
11) Tert butyl alcohol	5.052	59	107	Below Cal	#	73
16) Acetone	4.028	43	141	Below Cal	#	32
20) Methylene Chloride	4.805	84	8721	Below Cal	#	88
25) 2-Butanone	7.087	43	270	Below Cal	#	37
31) Cyclohexane	7.887	56	4277	1.121	ug/l #	37
36) 1,1-Dichloropropene	7.875	75	15422	4.201	ug/l #	47
38) Carbon Tetrachloride	7.875	117	18171	4.964	ug/l #	17
76) 1,2,3-Trichloropropane	12.575	75	63666	56.415	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	63666	114.300	ug/l #	17
88) 1,4-Dichlorobenzene	13.522	146	235	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.569	75	72	Below Cal	#	1

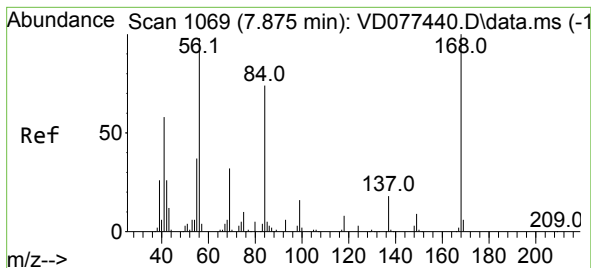
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD077908.D

Acq: 15 Dec 2023 17:18

Instrument :

MSVOA_D

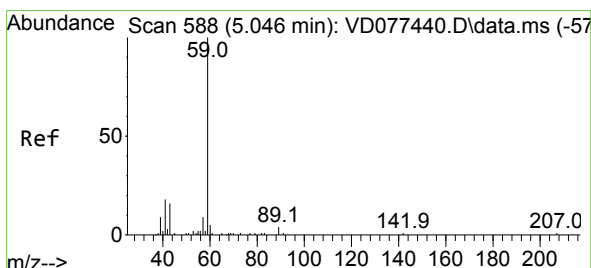
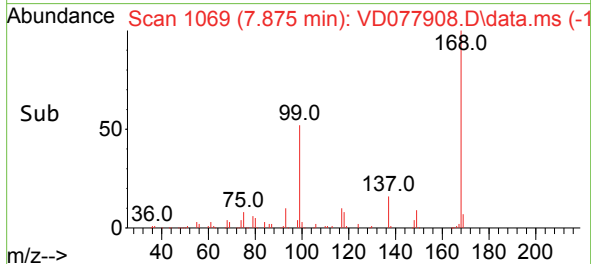
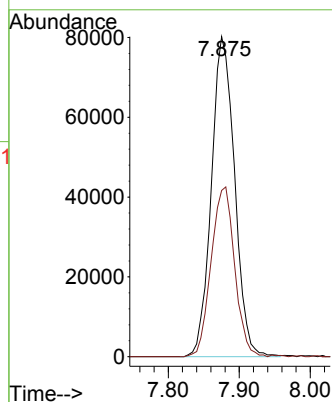
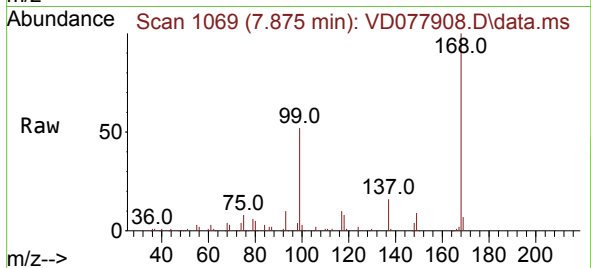
ClientSampleId :

Tgt Ion:168 Resp: 182106

Ion Ratio Lower Upper

168 100

99 51.9 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: VD077908.D

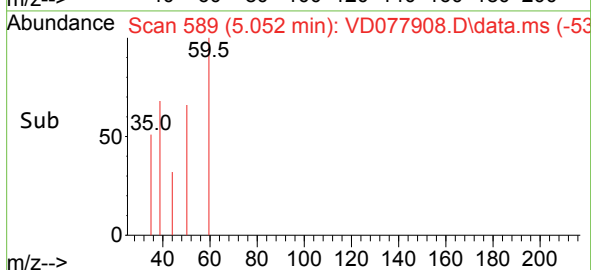
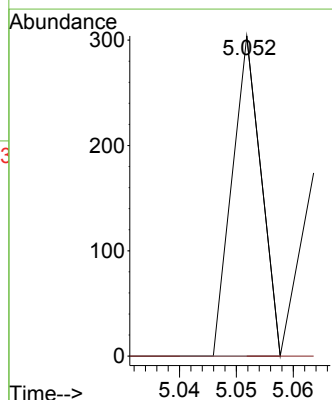
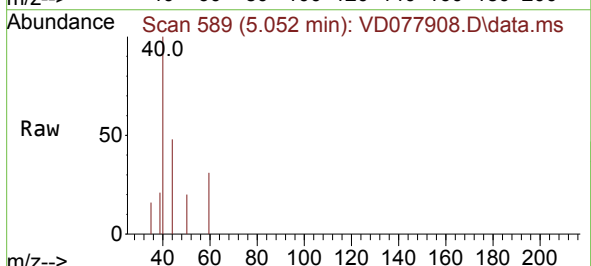
Acq: 15 Dec 2023 17:18

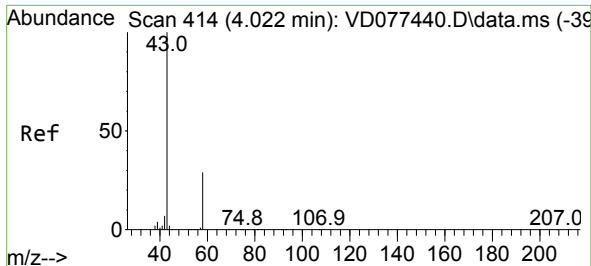
Tgt Ion: 59 Resp: 107

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#





#16

Acetone

Concen: Below Cal

RT: 4.028 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD077908.D

Acq: 15 Dec 2023 17:18

Instrument :

MSVOA_D

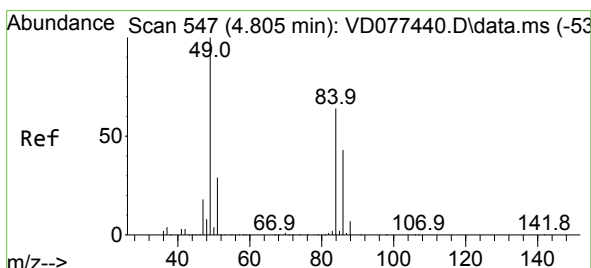
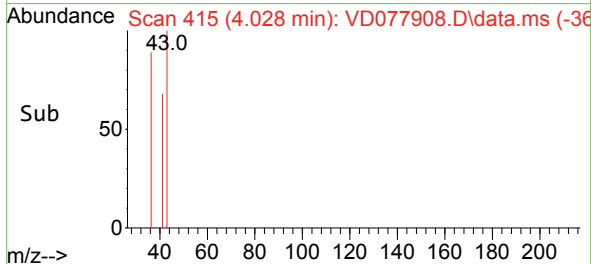
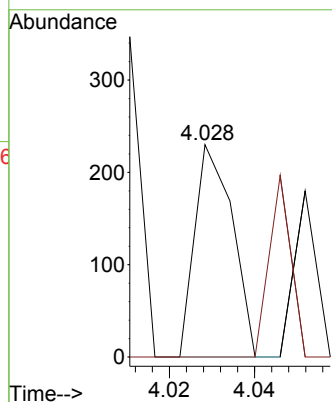
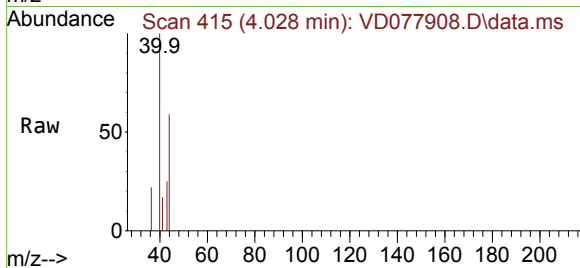
ClientSampleId :

Tgt Ion: 43 Resp: 141

Ion Ratio Lower Upper

43 100

58 0.0 34.7 52.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.805 min Scan# 547

Delta R.T. -0.000 min

Lab File: VD077908.D

Acq: 15 Dec 2023 17:18

Tgt Ion: 84 Resp: 8721

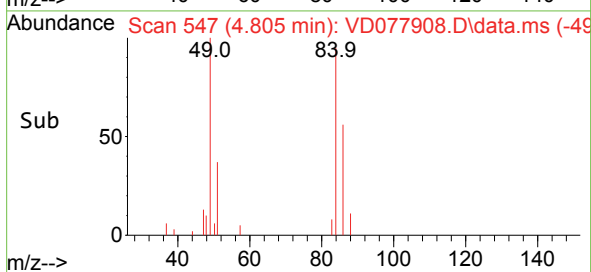
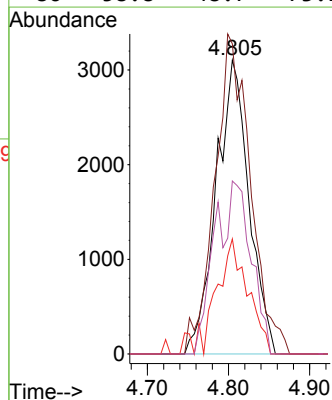
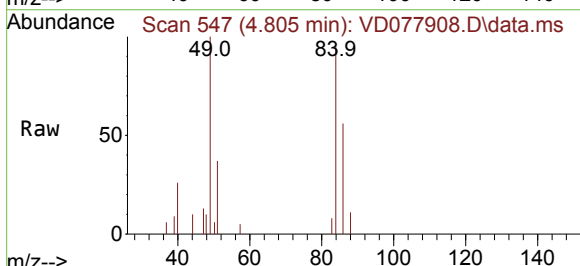
Ion Ratio Lower Upper

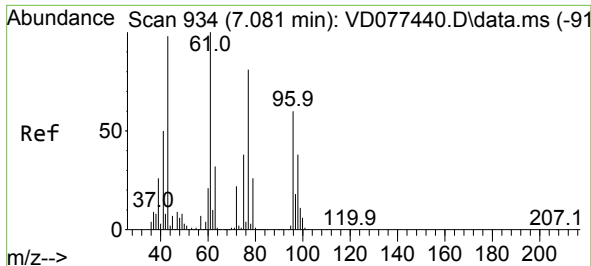
84 100

49 105.5 71.4 107.2

51 39.1 24.5 36.7#

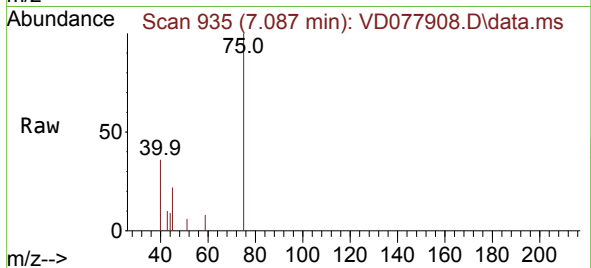
86 58.8 48.7 73.1



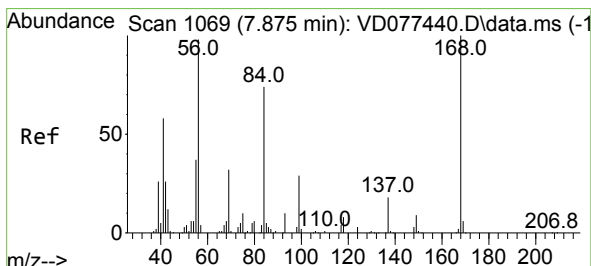
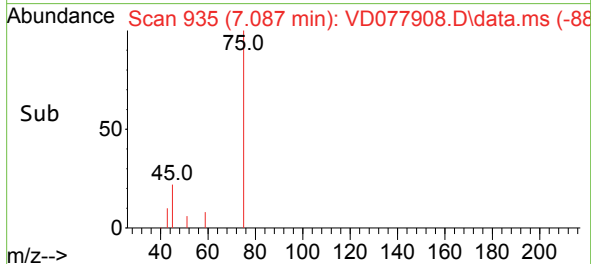
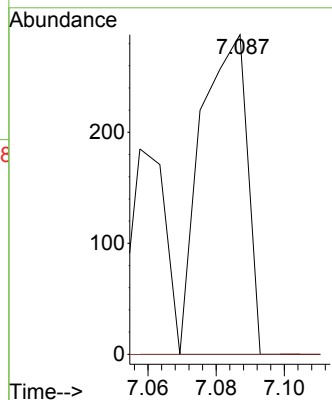


#25
2-Butanone
Concen: Below Cal
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD077908.D
Acq: 15 Dec 2023 17:18

Instrument :
MSVOA_D
ClientSampleId :

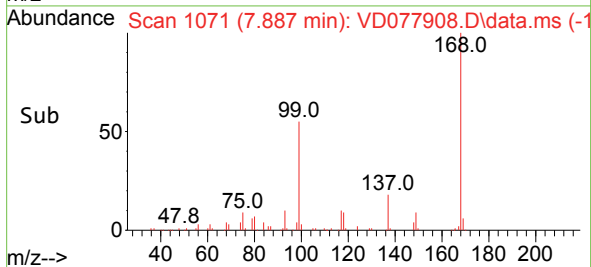
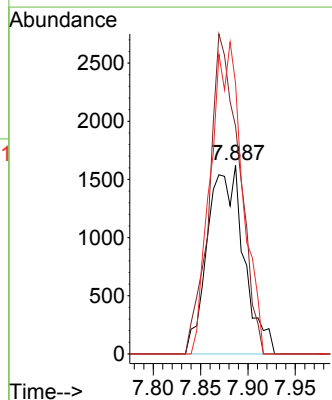
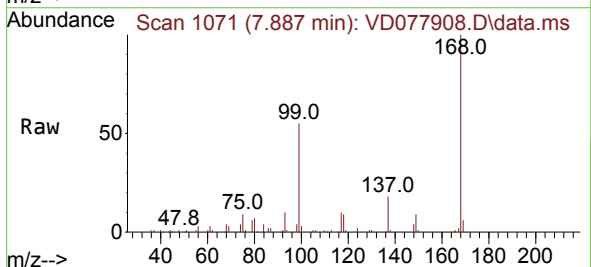


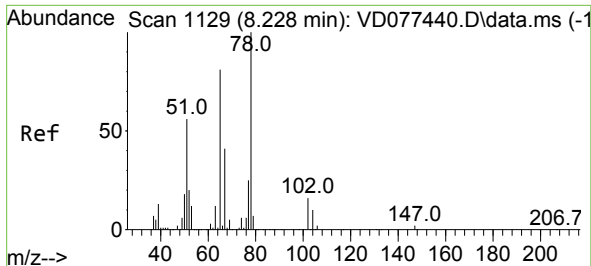
Tgt Ion: 43 Resp: 270
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.121 ug/l
RT: 7.887 min Scan# 1071
Delta R.T. 0.012 min
Lab File: VD077908.D
Acq: 15 Dec 2023 17:18

Tgt Ion: 56 Resp: 4277
Ion Ratio Lower Upper
56 100
69 120.6 28.6 43.0#
84 143.3 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 39.295 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077908.D

Acq: 15 Dec 2023 17:18

Instrument :

MSVOA_D

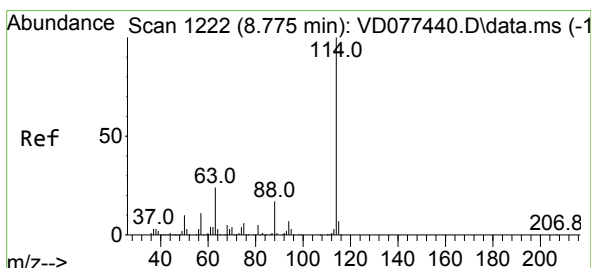
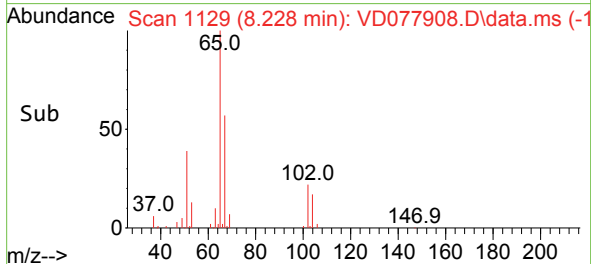
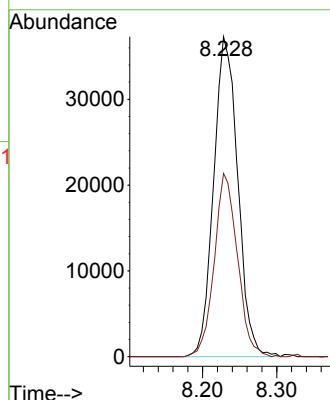
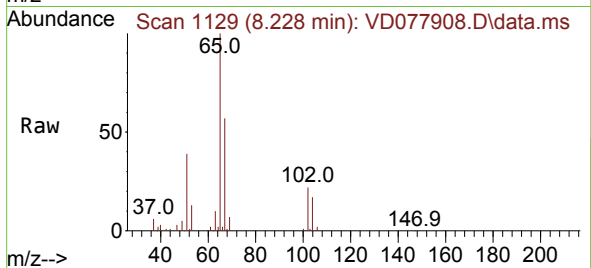
ClientSampleId :

Tgt Ion: 65 Resp: 84322

Ion Ratio Lower Upper

65 100

67 55.1 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: VD077908.D

Acq: 15 Dec 2023 17:18

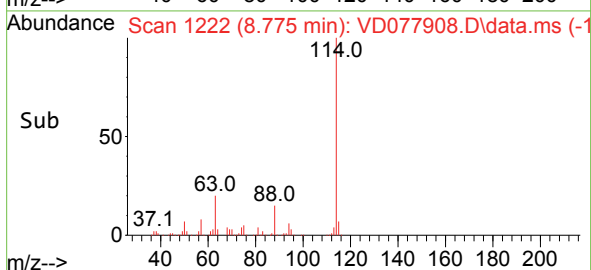
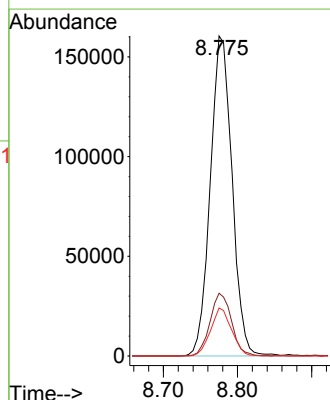
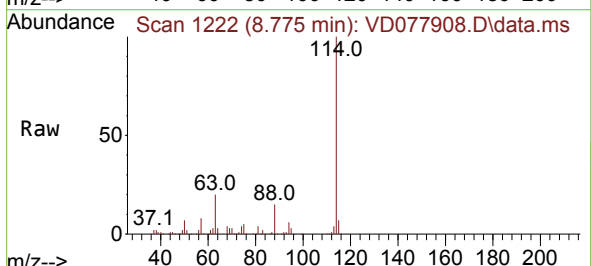
Tgt Ion:114 Resp: 327681

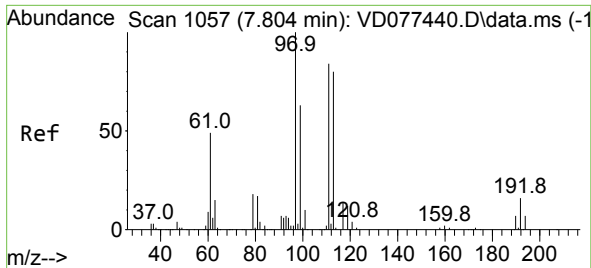
Ion Ratio Lower Upper

114 100

63 19.6 0.0 33.4

88 15.0 0.0 26.2

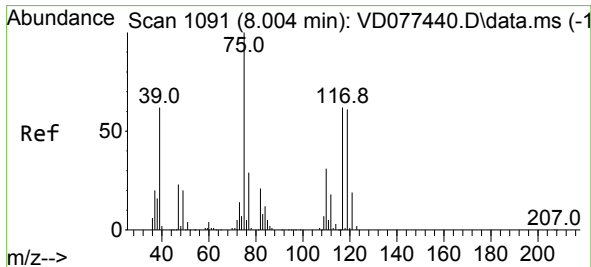
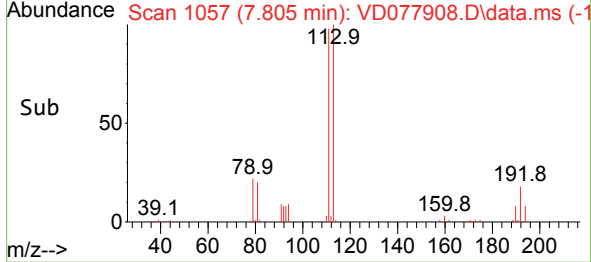
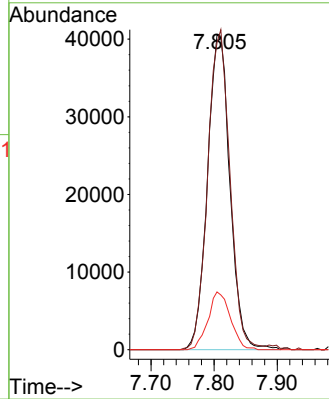
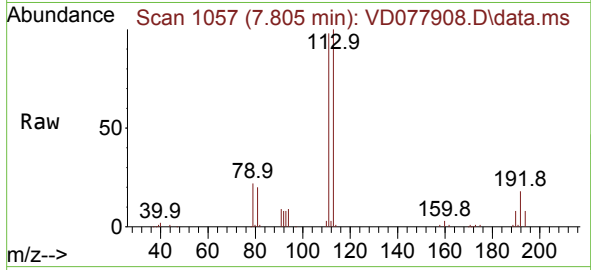




#35
Dibromofluoromethane
Concen: 43.655 ug/l
RT: 7.805 min Scan# 1069
Delta R.T. 0.001 min
Lab File: VD077908.D
Acq: 15 Dec 2023 17:18

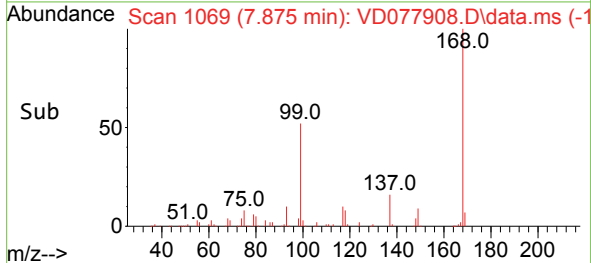
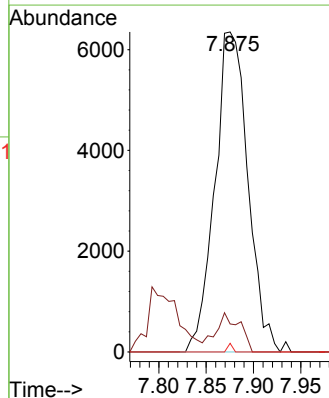
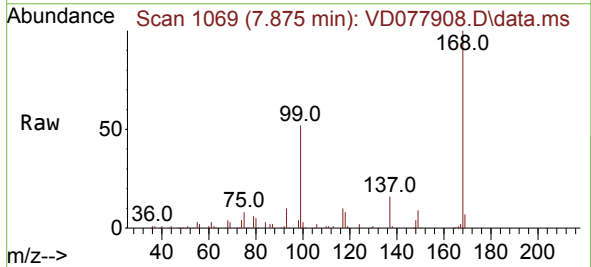
Instrument :
MSVOA_D
ClientSampleId :

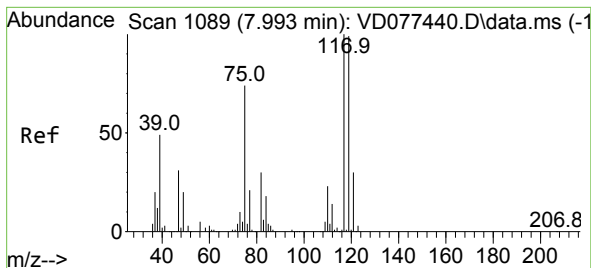
Tgt Ion:113 Resp: 100202
Ion Ratio Lower Upper
113 100
111 100.6 84.7 127.1
192 18.3 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.201 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD077908.D
Acq: 15 Dec 2023 17:18

Tgt Ion: 75 Resp: 15422
Ion Ratio Lower Upper
75 100
110 8.8 19.9 59.6#
77 0.4 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.964 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

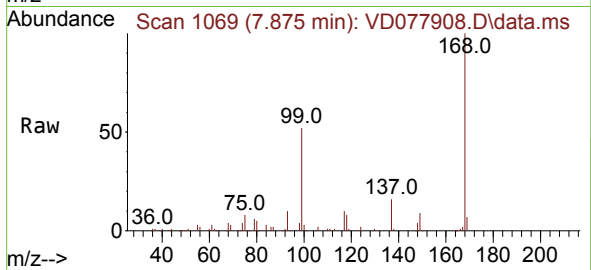
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Acq: 15 Dec 2023 17:18

Instrument :

MSVOA_D

ClientSampleId :



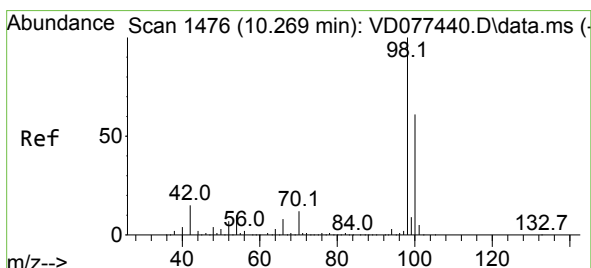
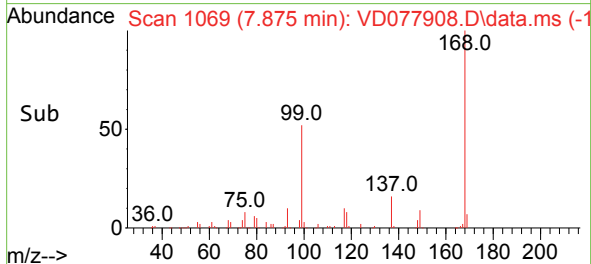
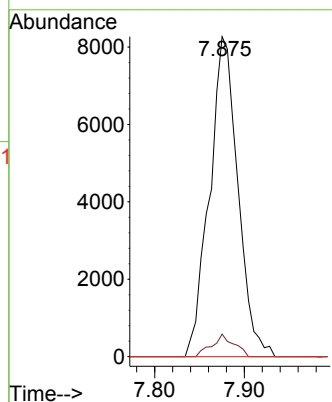
Tgt Ion:117 Resp: 18171

Ion Ratio Lower Upper

117 100

119 7.0 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 46.406 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077908.D

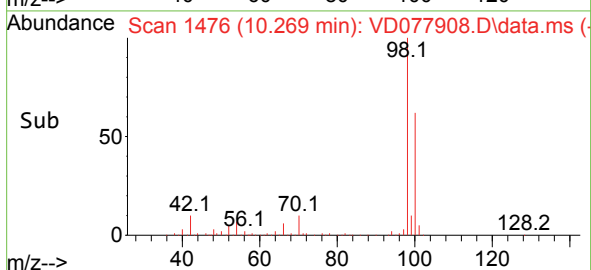
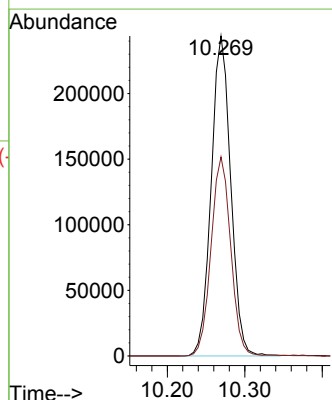
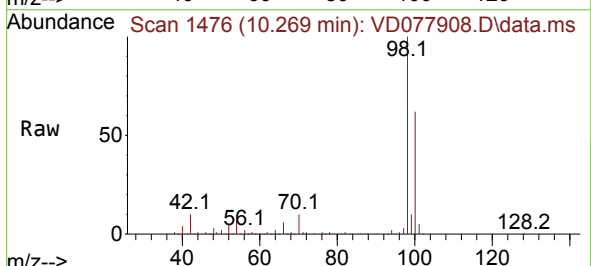
Acq: 15 Dec 2023 17:18

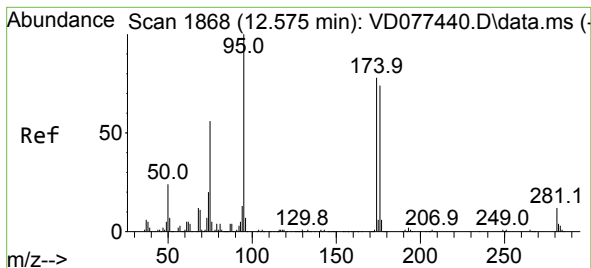
Tgt Ion: 98 Resp: 426609

Ion Ratio Lower Upper

98 100

100 62.9 50.3 75.5

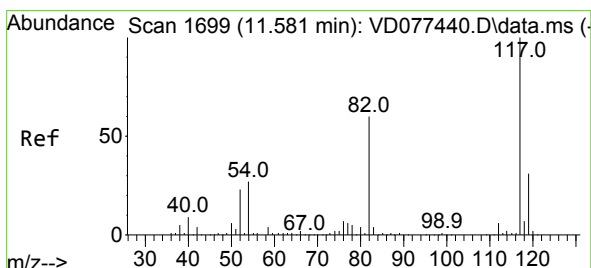
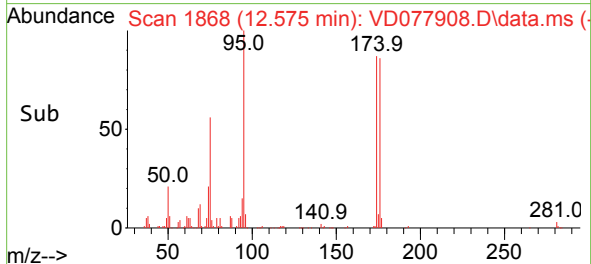
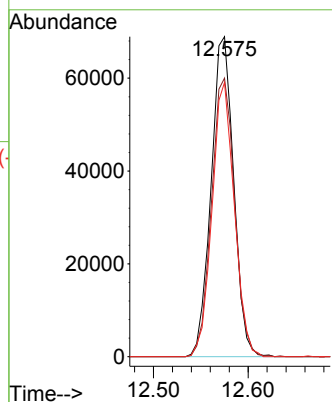
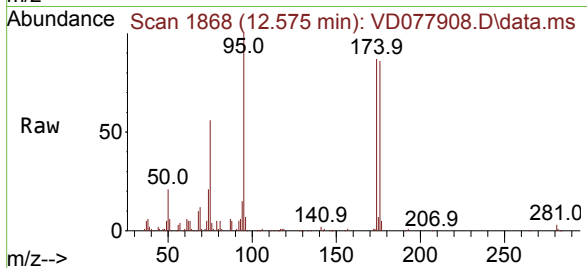




#62
4-Bromofluorobenzene
Concen: 41.500 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077908.D
Acq: 15 Dec 2023 17:18

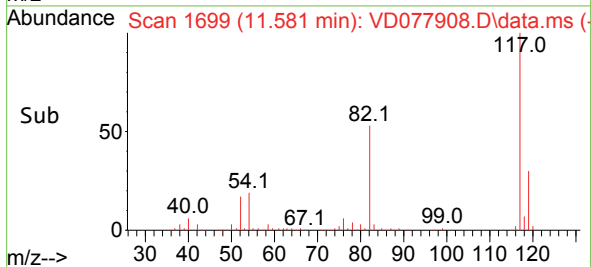
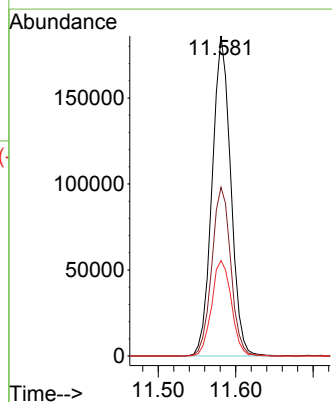
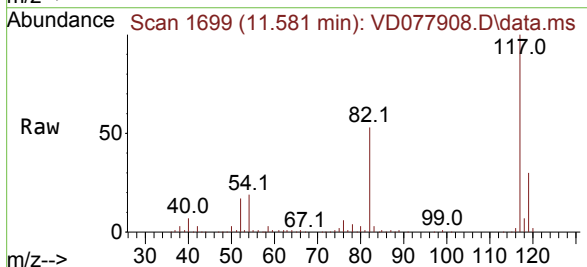
Instrument :
MSVOA_D
ClientSampleId :

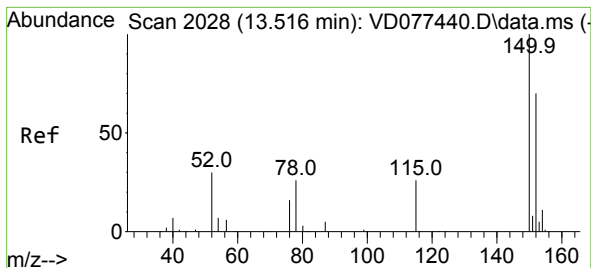
Tgt Ion: 95 Resp: 114062
Ion Ratio Lower Upper
95 100
174 89.1 0.0 201.8
176 84.6 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077908.D
Acq: 15 Dec 2023 17:18

Tgt Ion: 117 Resp: 310501
Ion Ratio Lower Upper
117 100
82 52.7 38.3 57.5
119 29.8 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD077908.D

Acq: 15 Dec 2023 17:18

Instrument :

MSVOA_D

ClientSampleId :

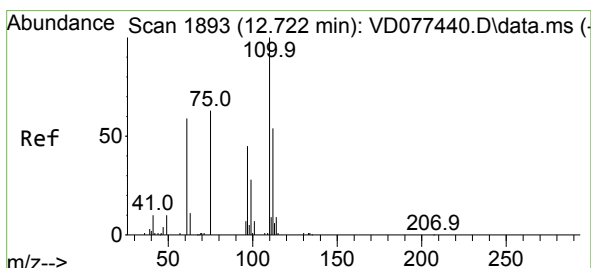
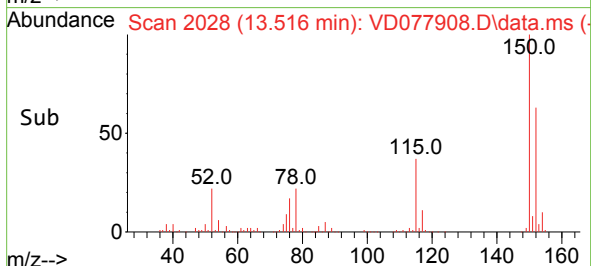
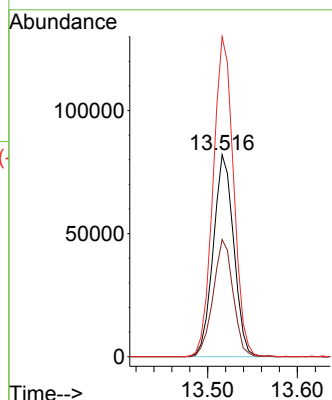
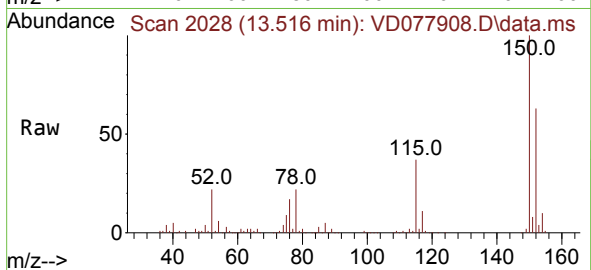
Tgt Ion:152 Resp: 129940

Ion Ratio Lower Upper

152 100

115 56.6 27.1 81.3

150 158.4 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 56.415 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077908.D

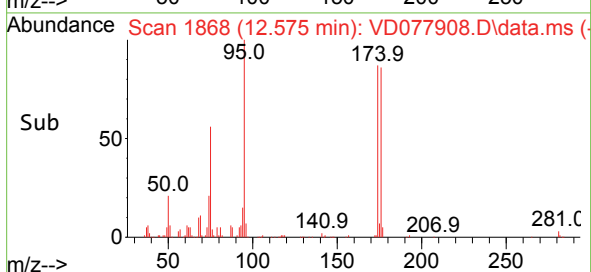
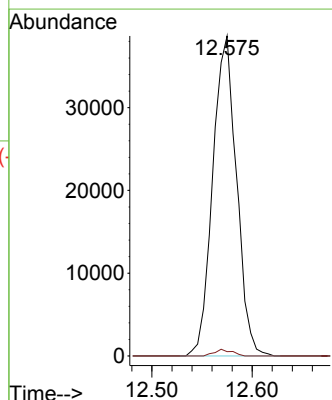
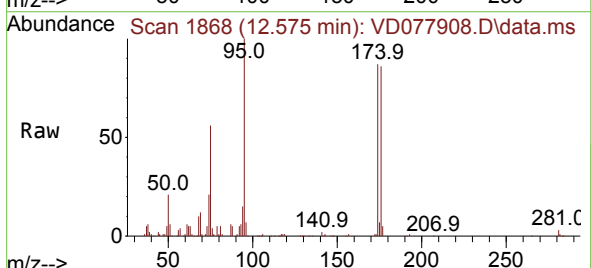
Acq: 15 Dec 2023 17:18

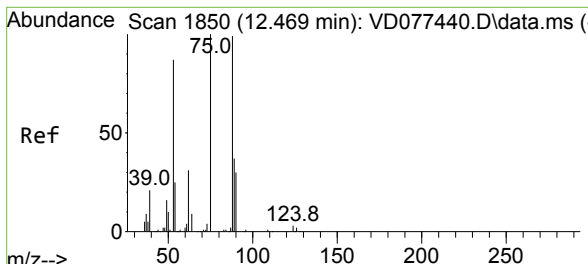
Tgt Ion: 75 Resp: 63666

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

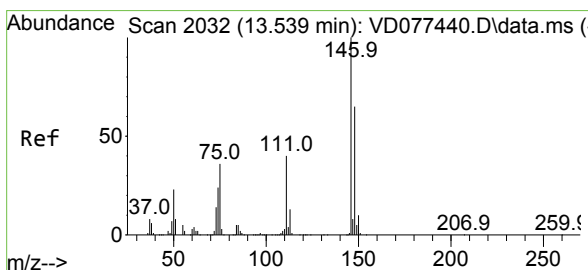
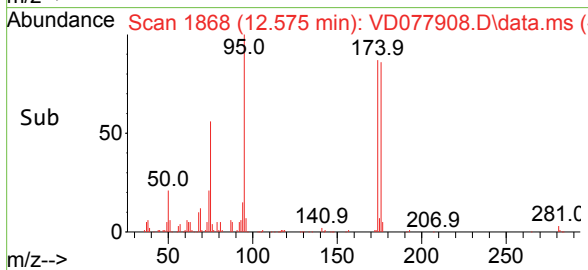
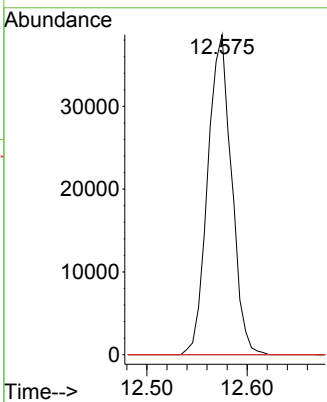
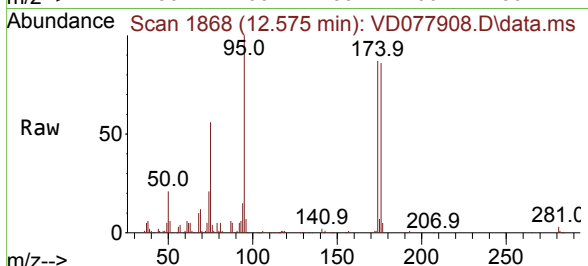




#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.300 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.106 min
 Lab File: VD077908.D
 Acq: 15 Dec 2023 17:18

Instrument : MSVOA_D
 ClientSampleId :

Tgt Ion:	75	Resp:	63666
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: 13.522 min Scan# 2029
 Delta R.T. -0.017 min
 Lab File: VD077908.D
 Acq: 15 Dec 2023 17:18

Tgt Ion:	146	Resp:	235
Ion Ratio	Lower	Upper	
146	100		
111	0.0	17.4	52.3#
148	203.4	31.7	95.1#

