

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060223\
 Data File : VD076312.D
 Acq On : 02 Jun 2023 14:27
 Operator : KP/SY
 Sample : VD0602SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0602SBL01

Quant Time: Jun 03 02:22:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 05:50:45 2023
 Response via : Initial Calibration

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

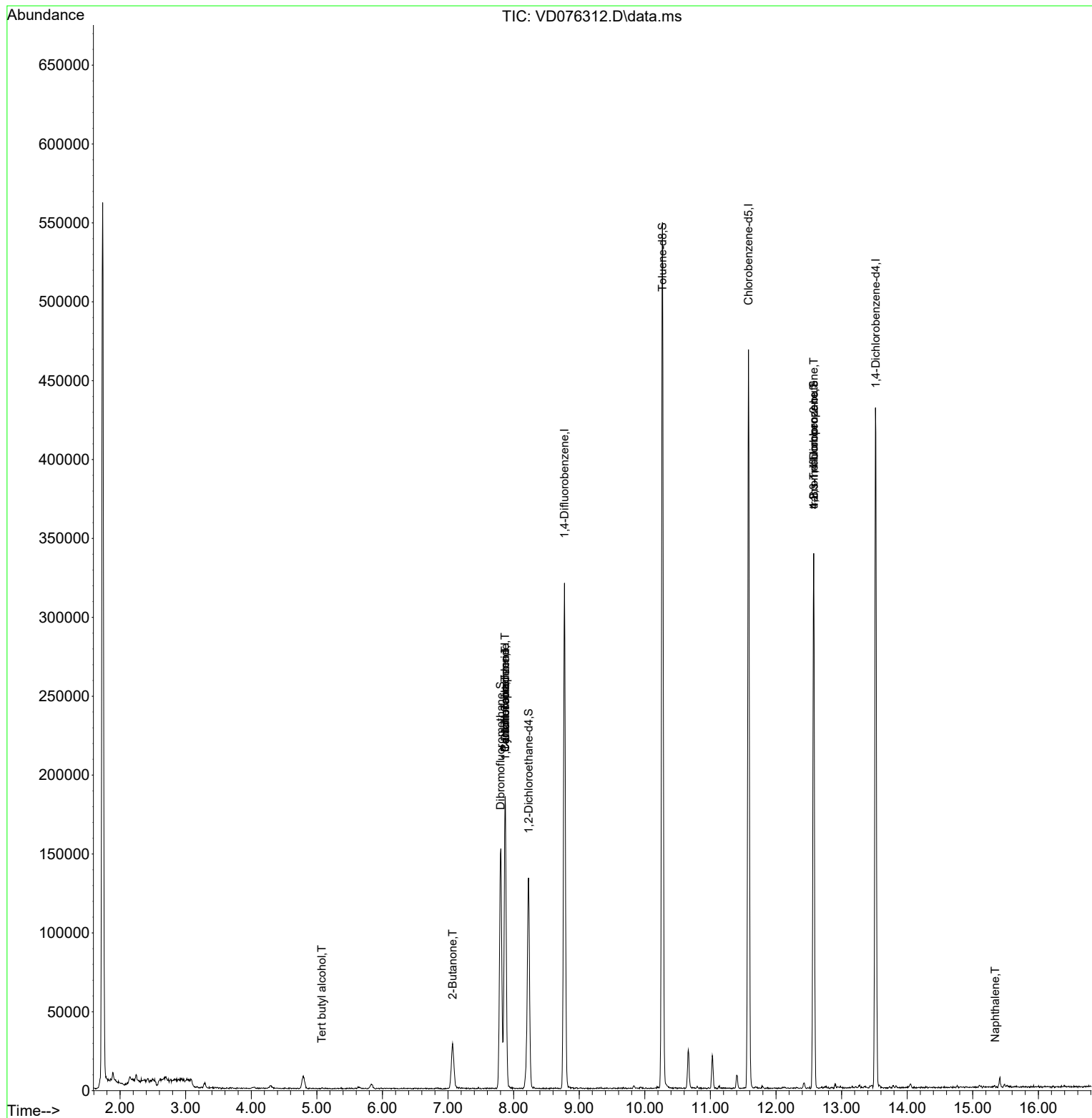
Internal Standards						
1) Pentafluorobenzene	7.869	168	155384	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	304374	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	288759	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	126619	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	99342	65.602	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	131.200%
35) Dibromofluoromethane	7.799	113	114115	56.796	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	113.600%
50) Toluene-d8	10.269	98	403730	52.116	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.240%
62) 4-Bromofluorobenzene	12.575	95	101678	47.057	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.120%
Target Compounds						
						Qvalue
3) Chloromethane	2.146	50	975	Below Cal		92
6) Chloroethane	2.770	64	65	Below Cal	#	43
11) Tert butyl alcohol	5.075	59	149	1.546	ug/l #	73
16) Acetone	4.023	43	808	Below Cal	#	84
20) Methylene Chloride	4.787	84	6778	Below Cal	#	92
25) 2-Butanone	7.069	43	955	2.417	ug/l #	37
31) Cyclohexane	7.869	56	3305	1.418	ug/l #	39
36) 1,1-Dichloropropene	7.875	75	11447	4.120	ug/l #	42
38) Carbon Tetrachloride	7.869	117	13379	5.591	ug/l #	15
76) 1,2,3-Trichloropropane	12.575	75	52198	45.823	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	52198	105.115	ug/l #	17
95) Naphthalene	15.340	128	1396	3.997	ug/l #	81

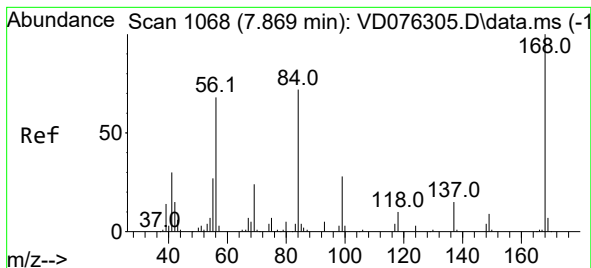
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 03 02:22:48 2023
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Quant Title : SW846 8260
QLast Update : Fri Jun 02 05:50:45 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. 0.000 min

Lab File: VD076312.D

Acq: 02 Jun 2023 14:27

Instrument :

MSVOA_D

ClientSampleId :

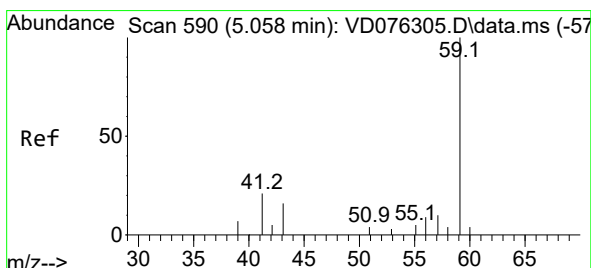
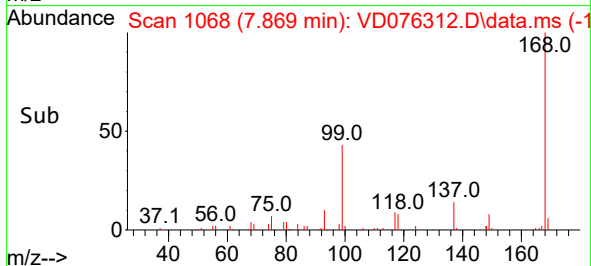
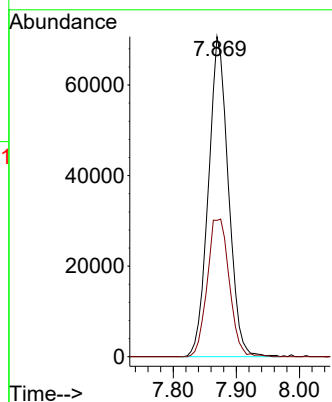
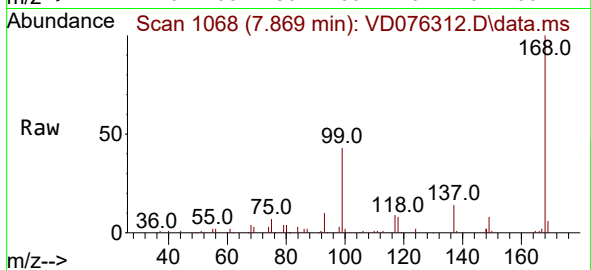
VD0602SBL01

Tgt Ion:168 Resp: 155384

Ion Ratio Lower Upper

168 100

99 42.6 36.7 55.1



#11

Tert butyl alcohol

Concen: 1.546 ug/l

RT: 5.075 min Scan# 593

Delta R.T. 0.018 min

Lab File: VD076312.D

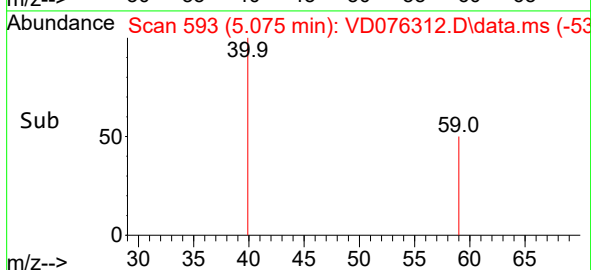
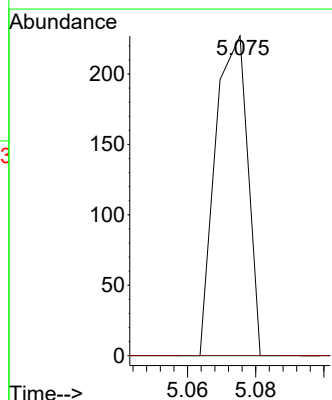
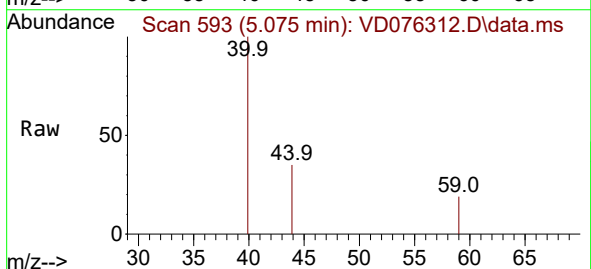
Acq: 02 Jun 2023 14:27

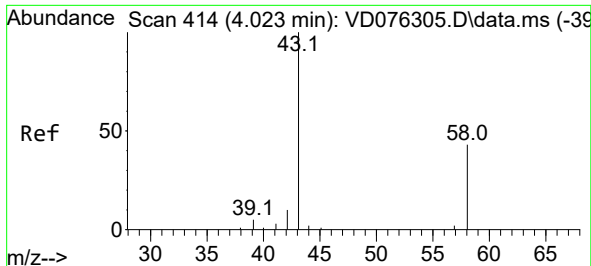
Tgt Ion: 59 Resp: 149

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

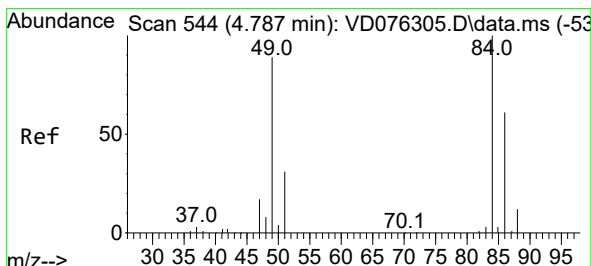
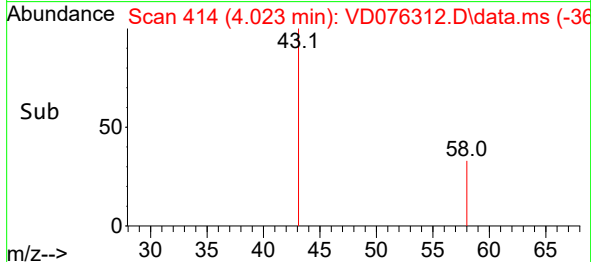
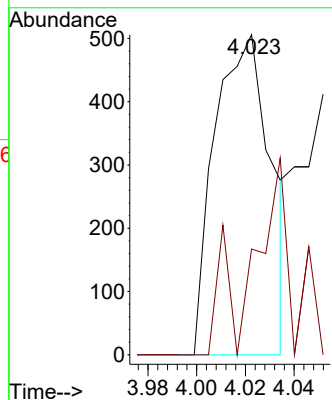
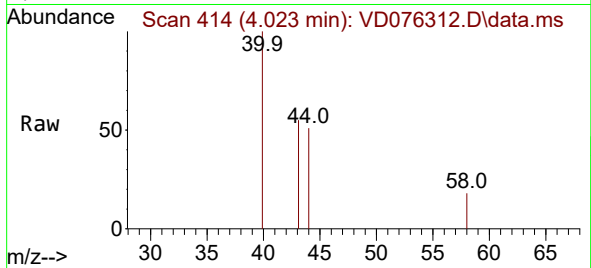




#16
Acetone
Concen: Below Cal
RT: 4.023 min Scan# 414
Delta R.T. -0.000 min
Lab File: VD076312.D
Acq: 02 Jun 2023 14:27

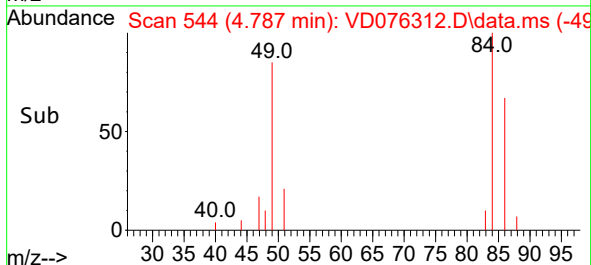
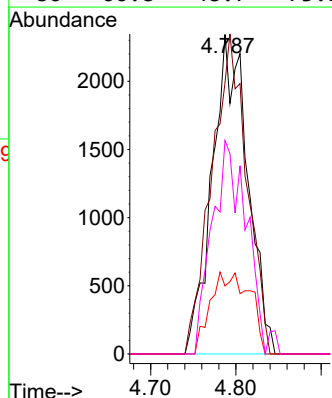
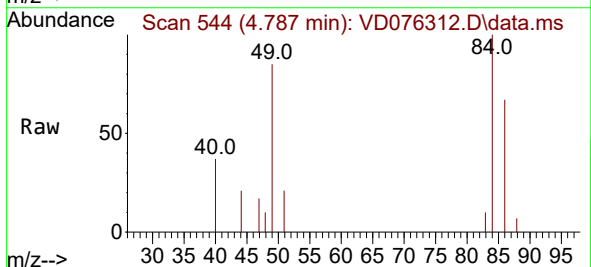
Instrument :
MSVOA_D
ClientSampleId :
VD0602SBL01

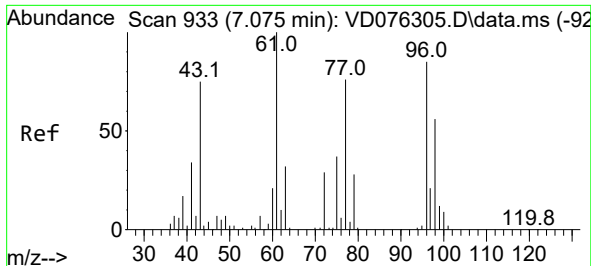
Tgt Ion: 43 Resp: 808
Ion Ratio Lower Upper
43 100
58 33.0 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.787 min Scan# 544
Delta R.T. 0.000 min
Lab File: VD076312.D
Acq: 02 Jun 2023 14:27

Tgt Ion: 84 Resp: 6778
Ion Ratio Lower Upper
84 100
49 84.9 71.4 107.2
51 21.3 24.5 36.7#
86 66.8 48.7 73.1

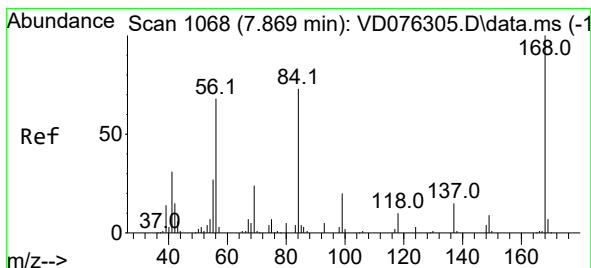
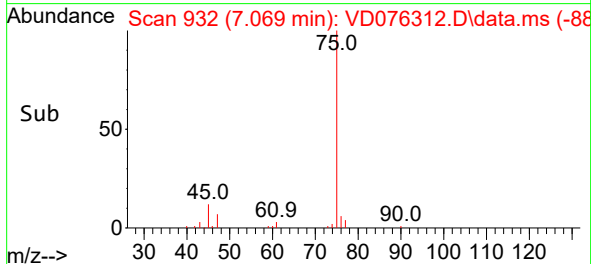
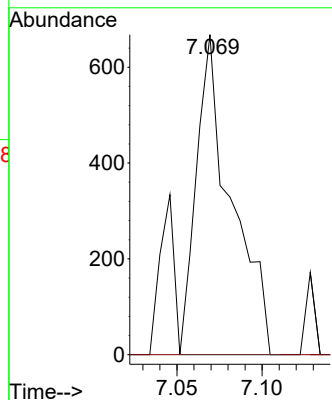
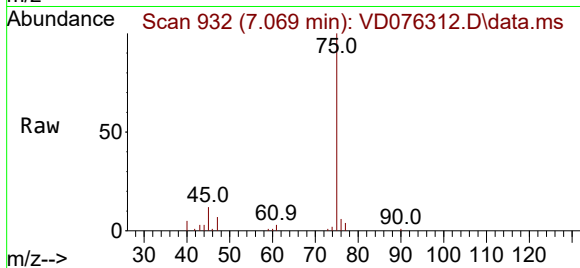




#25
2-Butanone
Concen: 2.417 ug/l
RT: 7.069 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD076312.D
Acq: 02 Jun 2023 14:27

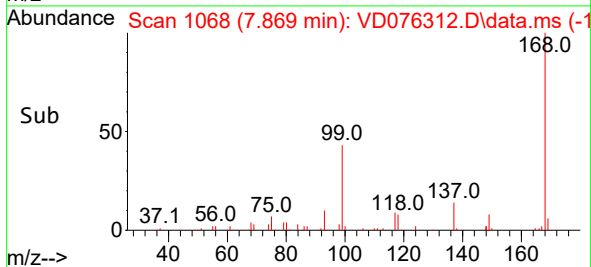
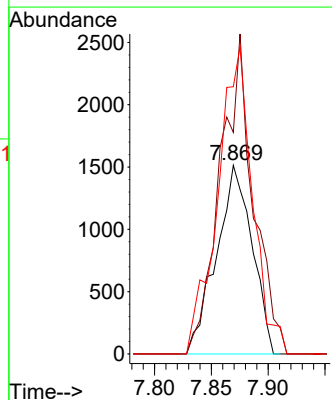
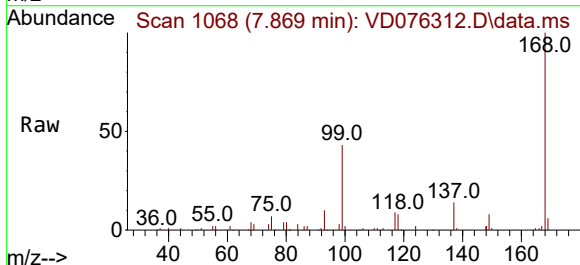
Instrument :
MSVOA_D
ClientSampleId :
VD0602SBL01

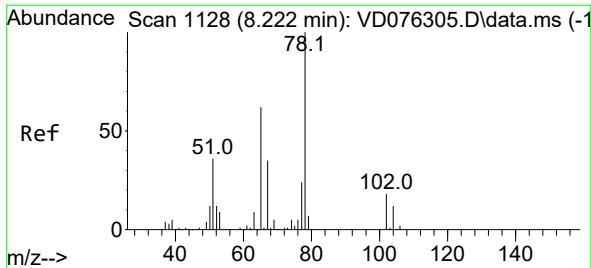
Tgt Ion: 43 Resp: 955
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.418 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VD076312.D
Acq: 02 Jun 2023 14:27

Tgt Ion: 56 Resp: 3305
Ion Ratio Lower Upper
56 100
69 117.5 28.6 43.0#
84 141.6 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 65.602 ug/l

RT: 8.228 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VD076312.D

Acq: 02 Jun 2023 14:27

Instrument :

MSVOA_D

ClientSampleId :

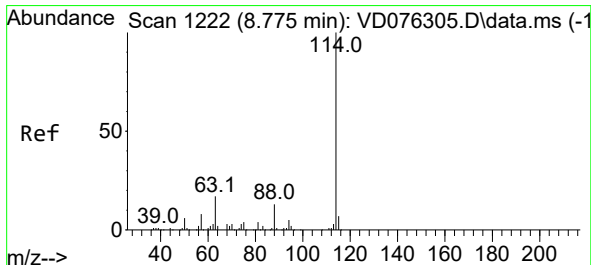
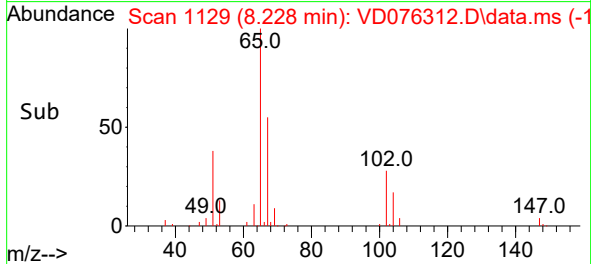
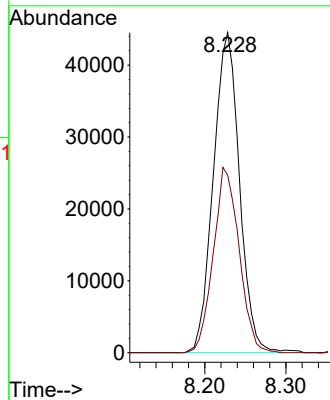
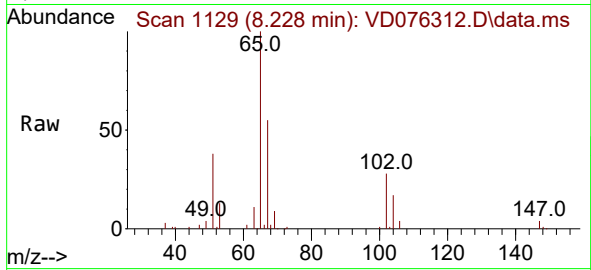
VD0602SBL01

Tgt Ion: 65 Resp: 99342

Ion Ratio Lower Upper

65 100

67 57.3 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: VD076312.D

Acq: 02 Jun 2023 14:27

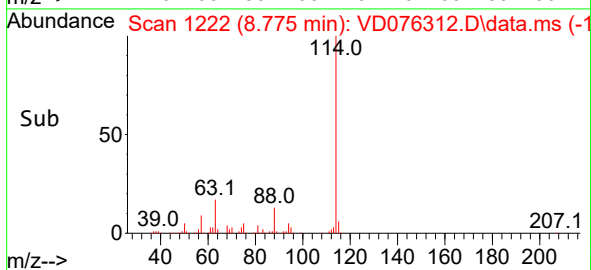
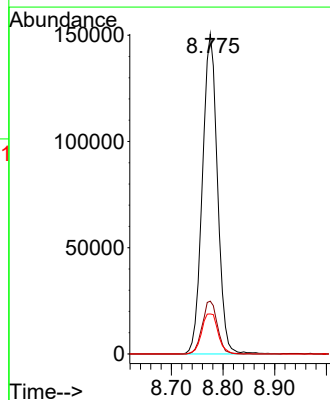
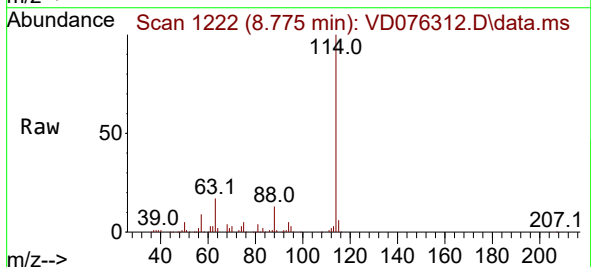
Tgt Ion:114 Resp: 304374

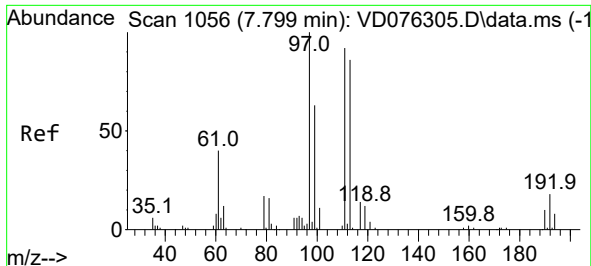
Ion Ratio Lower Upper

114 100

63 16.5 0.0 33.4

88 12.5 0.0 26.2





#35

Dibromofluoromethane

Concen: 56.796 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VD076312.D

Acq: 02 Jun 2023 14:27

Instrument :

MSVOA_D

ClientSampleId :

VD0602SBL01

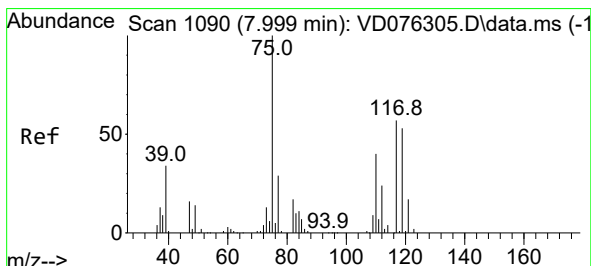
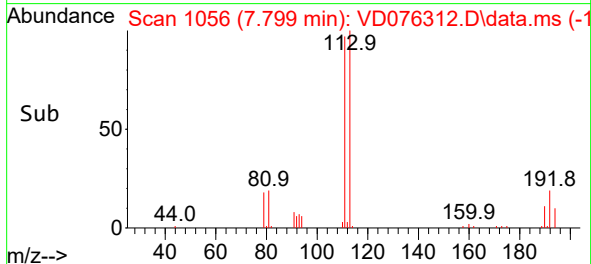
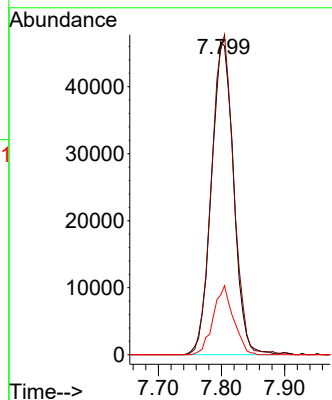
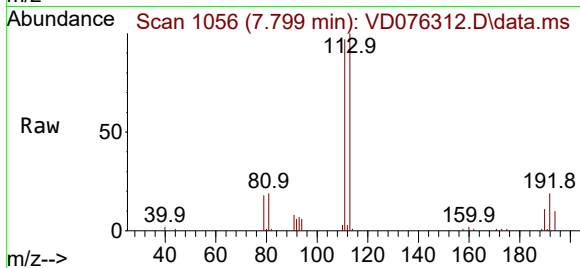
Tgt Ion:113 Resp: 114115

Ion Ratio Lower Upper

113 100

111 102.1 84.7 127.1

192 20.0 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.120 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.123 min

Lab File: VD076312.D

Acq: 02 Jun 2023 14:27

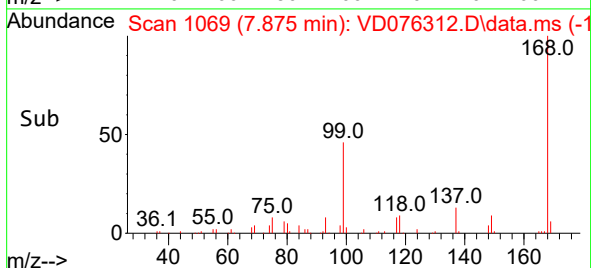
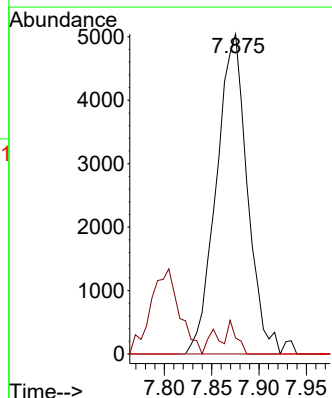
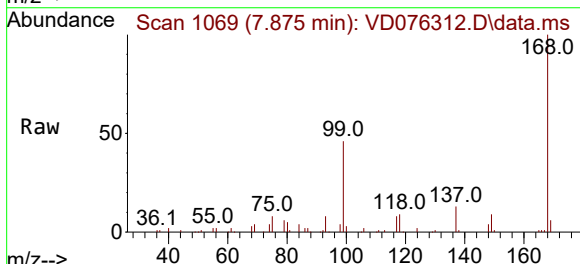
Tgt Ion: 75 Resp: 11447

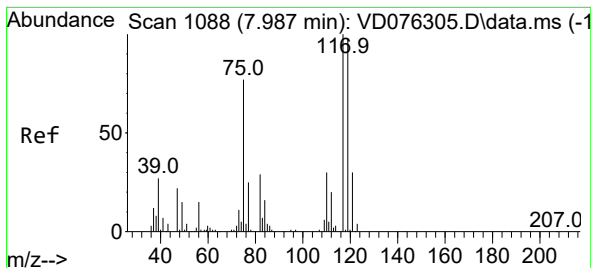
Ion Ratio Lower Upper

75 100

110 3.0 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.591 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.118 min

Lab File: VD076312.D

Acq: 02 Jun 2023 14:27

Instrument :

MSVOA_D

ClientSampleId :

VD0602SBL01

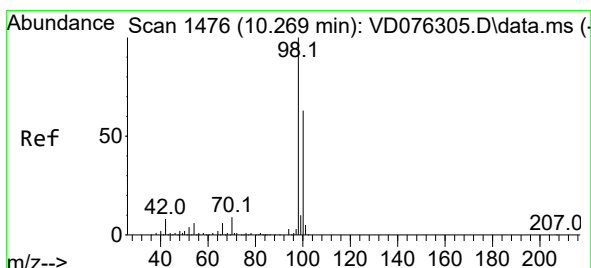
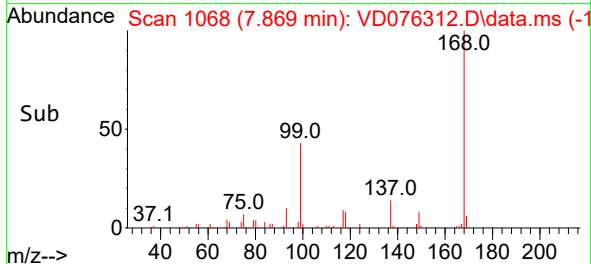
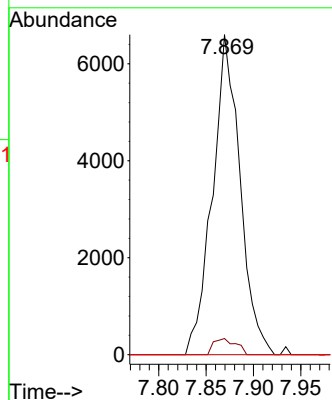
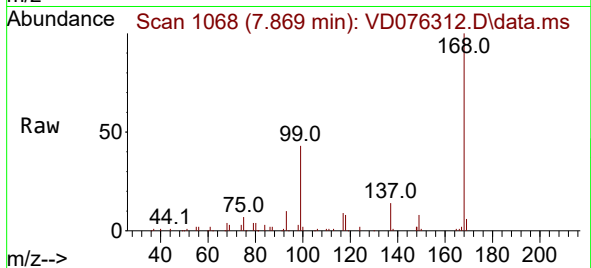
Tgt Ion:117 Resp: 13379

Ion Ratio Lower Upper

117 100

119 5.1 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 52.116 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076312.D

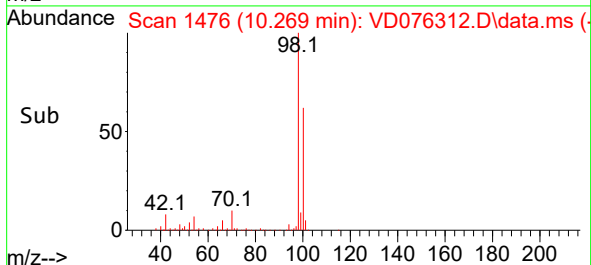
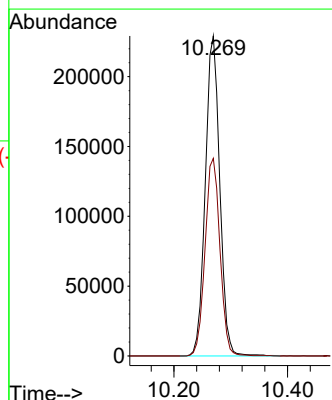
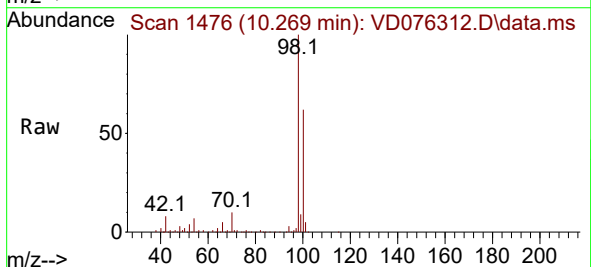
Acq: 02 Jun 2023 14:27

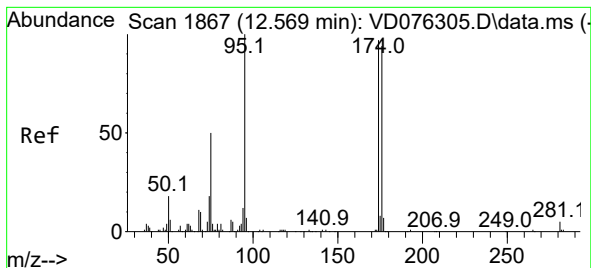
Tgt Ion: 98 Resp: 403730

Ion Ratio Lower Upper

98 100

100 63.7 50.3 75.5

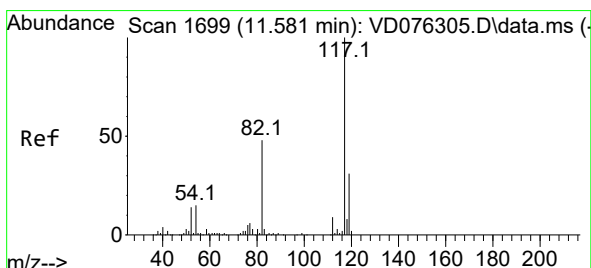
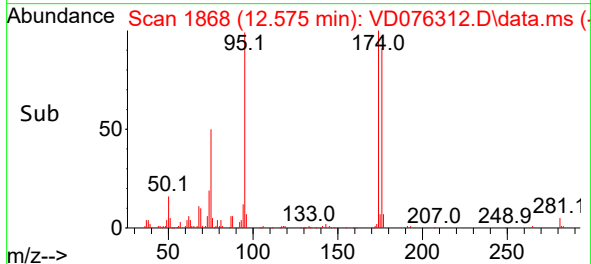
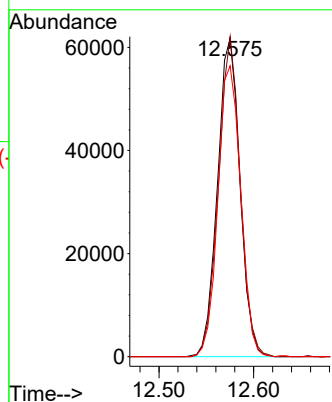
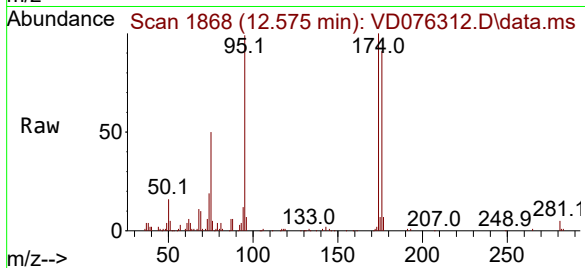




#62
4-Bromofluorobenzene
Concen: 47.057 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD076312.D
Acq: 02 Jun 2023 14:27

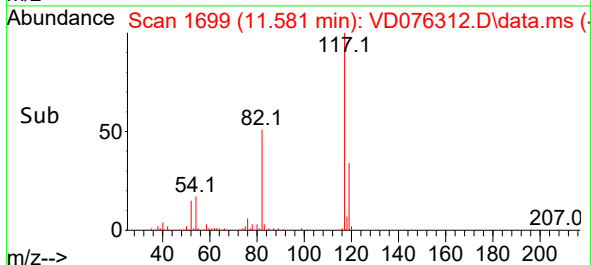
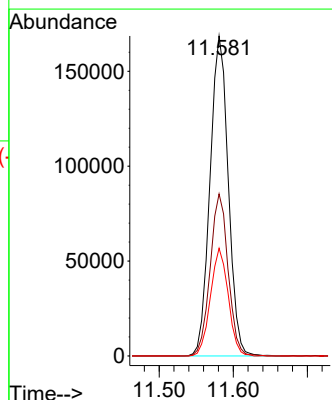
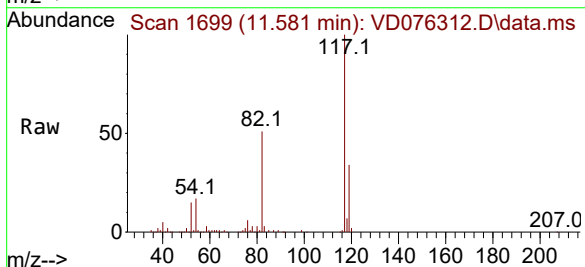
Instrument :
MSVOA_D
ClientSampleId :
VD0602SBL01

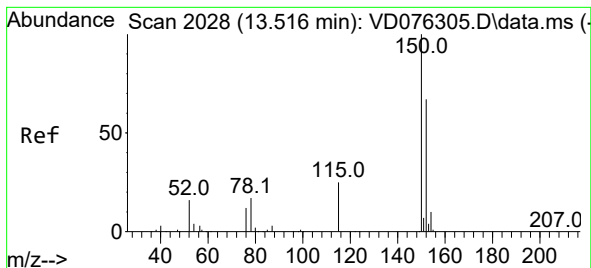
Tgt Ion: 95 Resp: 101678
Ion Ratio Lower Upper
95 100
174 97.5 0.0 201.8
176 92.8 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD076312.D
Acq: 02 Jun 2023 14:27

Tgt Ion: 117 Resp: 288759
Ion Ratio Lower Upper
117 100
82 50.6 38.3 57.5
119 33.6 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. 0.006 min

Lab File: VD076312.D

Acq: 02 Jun 2023 14:27

Instrument :

MSVOA_D

ClientSampleId :

VD0602SBL01

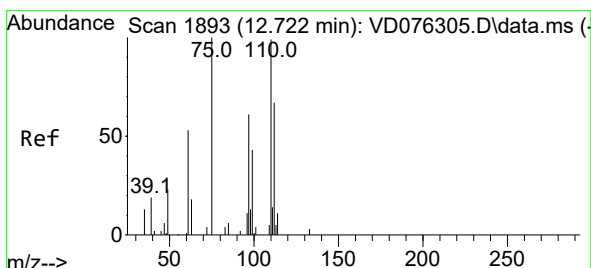
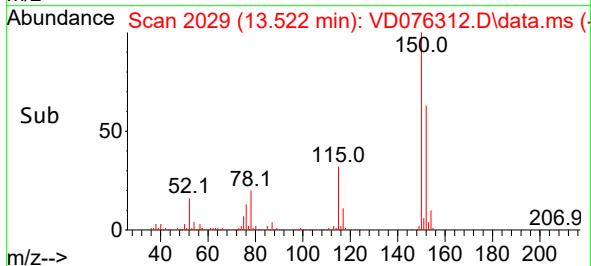
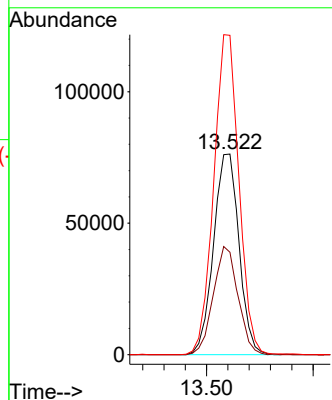
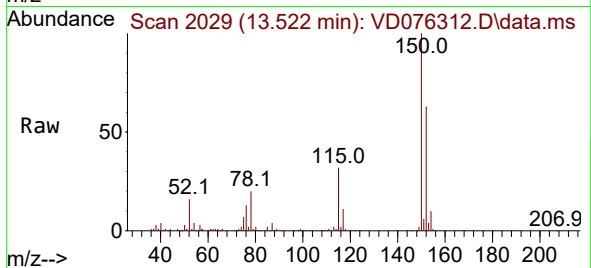
Tgt Ion:152 Resp: 126619

Ion Ratio Lower Upper

152 100

115 52.3 27.1 81.3

150 157.5 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 45.823 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD076312.D

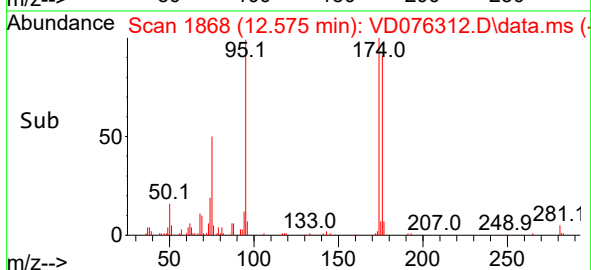
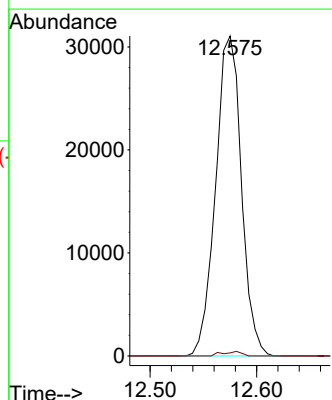
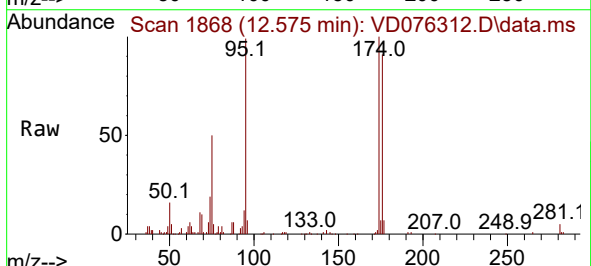
Acq: 02 Jun 2023 14:27

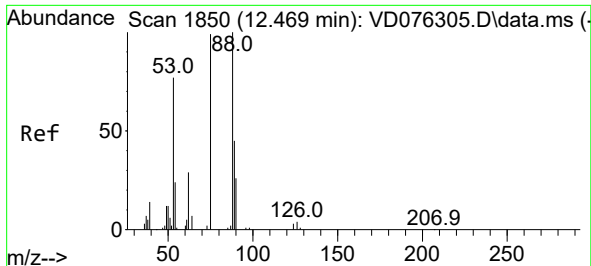
Tgt Ion: 75 Resp: 52198

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

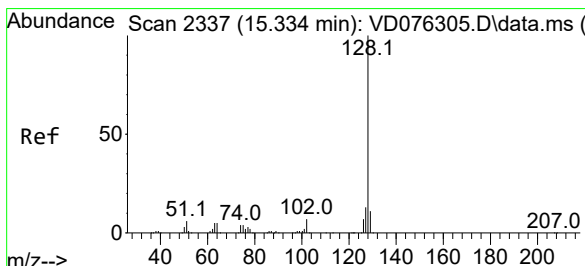
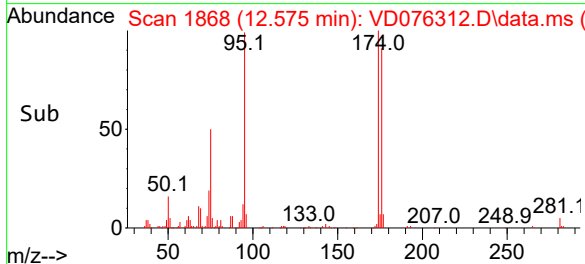
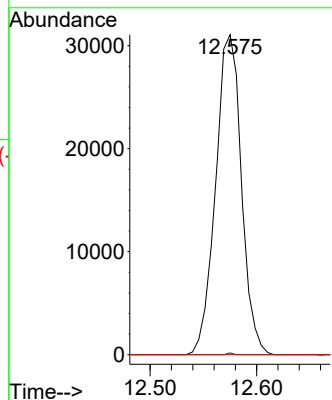
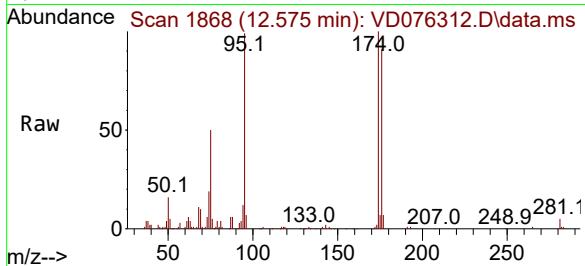




#81
trans-1,4-Dichloro-2-butene
Concen: 105.115 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076312.D
Acq: 02 Jun 2023 14:27

Instrument :
MSVOA_D
ClientSampleId :
VD0602SBL01

Tgt Ion: 75 Resp: 52198
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 3.997 ug/l
RT: 15.340 min Scan# 2338
Delta R.T. 0.006 min
Lab File: VD076312.D
Acq: 02 Jun 2023 14:27

Tgt Ion:128 Resp: 1396
Ion Ratio Lower Upper
128 100
127 3.8 10.5 15.7#
129 5.7 8.7 13.1#

