

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060223\
 Data File : VD076318.D
 Acq On : 02 Jun 2023 17:33
 Operator : KP/SY
 Sample : 02986-04
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-14-0A

Quant Time: Jun 03 02:24:51 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)

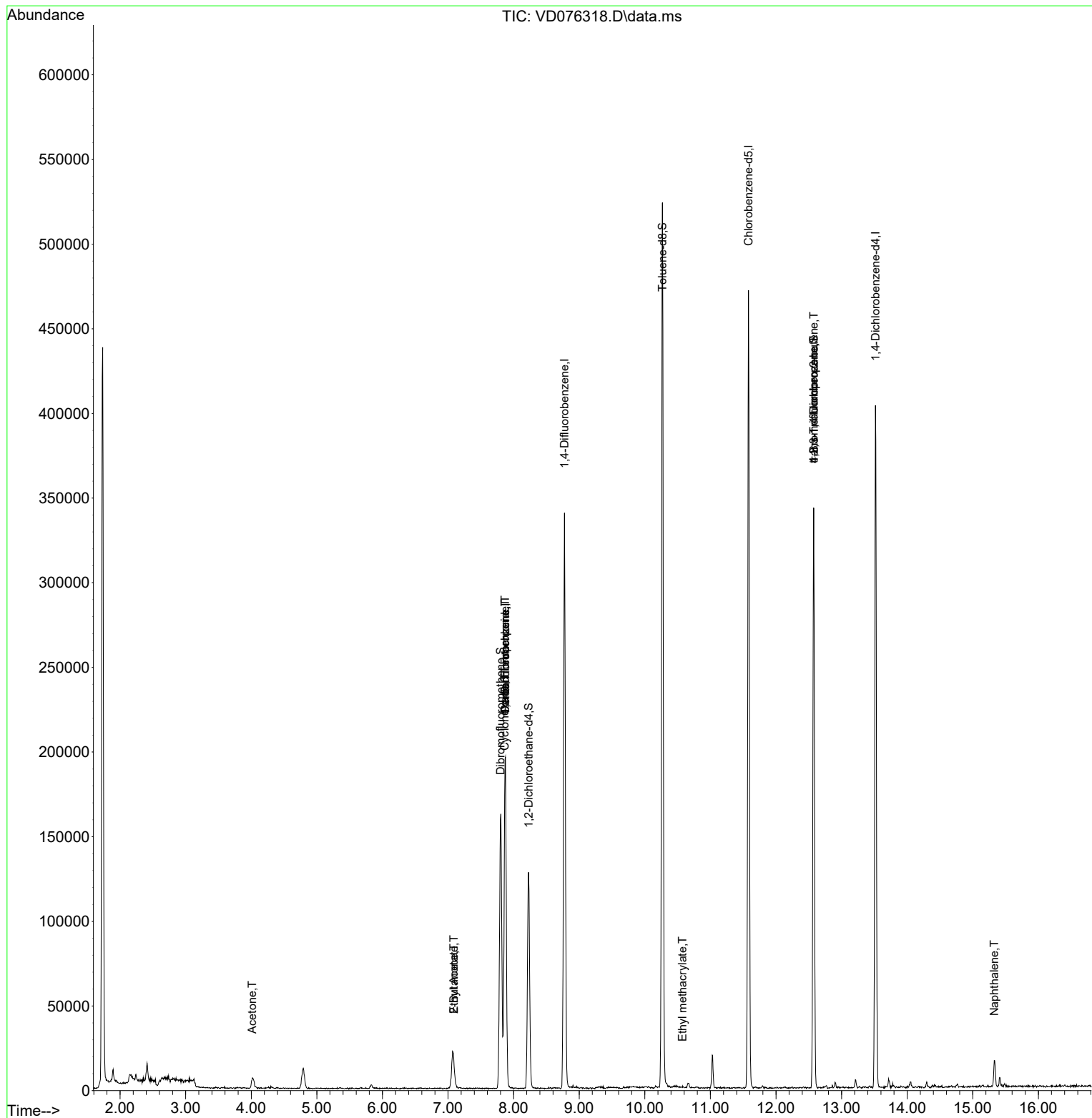
Internal Standards						
1) Pentafluorobenzene	7.875	168	166826	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	314658	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	288578	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	118147	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	99361	61.115	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.220%			
35) Dibromofluoromethane	7.799	113	123347	59.384	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 118.760%			
50) Toluene-d8	10.269	98	385721	48.164	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.320%			
62) 4-Bromofluorobenzene	12.575	95	102545	45.908	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.820%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.140	50	861	Below Cal	#	80
6) Chloroethane	2.823	64	64	Below Cal	#	43
13) Acrolein	3.787	56	178	Below Cal	#	41
16) Acetone	4.017	43	11227	27.278	ug/l #	78
20) Methylene Chloride	4.799	84	10141	Below Cal		88
25) 2-Butanone	7.087	43	2207	5.202	ug/l #	69
31) Cyclohexane	7.863	56	2900	1.159	ug/l #	4
36) 1,1-Dichloropropene	7.869	75	11978	4.170	ug/l #	46
37) Ethyl Acetate	7.087	43	2207	2.026	ug/l #	70
38) Carbon Tetrachloride	7.869	117	14716	5.949	ug/l #	15
56) Ethyl methacrylate	10.575	69	1110	3.230	ug/l #	36
76) 1,2,3-Trichloropropane	12.575	75	50324	47.346	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	50324	108.608	ug/l #	17
95) Naphthalene	15.328	128	15094	6.830	ug/l	96

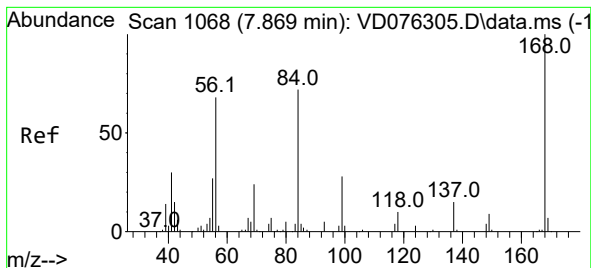
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 02 05:50:45 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VD076318.D

Acq: 02 Jun 2023 17:33

Instrument :

MSVOA_D

ClientSampleId :

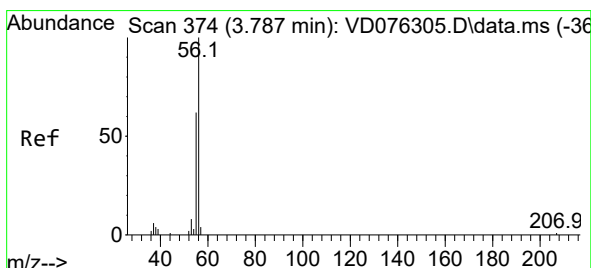
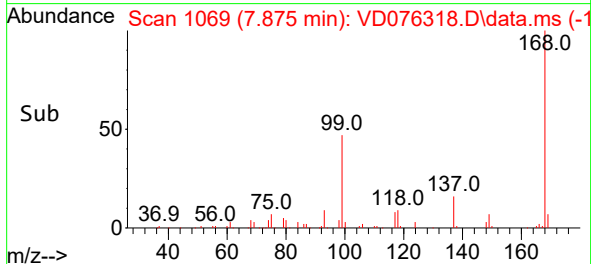
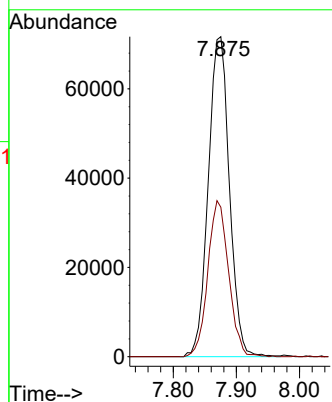
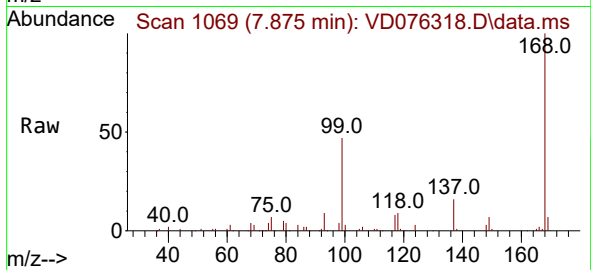
TP-14-0A

Tgt Ion:168 Resp: 166826

Ion Ratio Lower Upper

168 100

99 46.7 36.7 55.1



#13

Acrolein

Concen: Below Cal

RT: 3.787 min Scan# 374

Delta R.T. 0.000 min

Lab File: VD076318.D

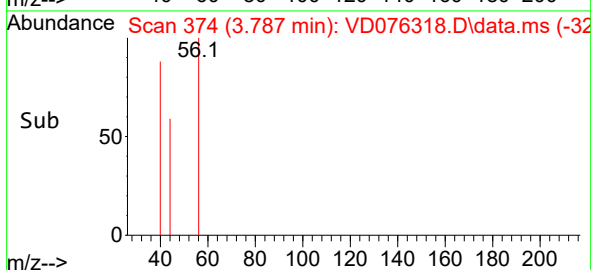
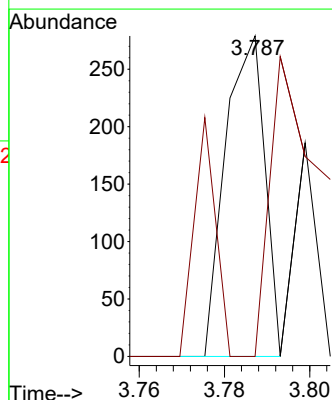
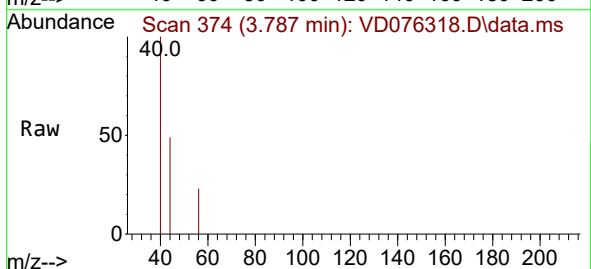
Acq: 02 Jun 2023 17:33

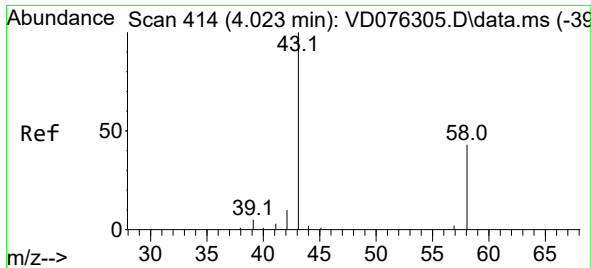
Tgt Ion: 56 Resp: 178

Ion Ratio Lower Upper

56 100

55 116.9 55.1 82.7#





#16

Acetone

Concen: 27.278 ug/l

RT: 4.017 min Scan# 41

Delta R.T. -0.006 min

Lab File: VD076318.D

Acq: 02 Jun 2023 17:33

Instrument :

MSVOA_D

ClientSampleId :

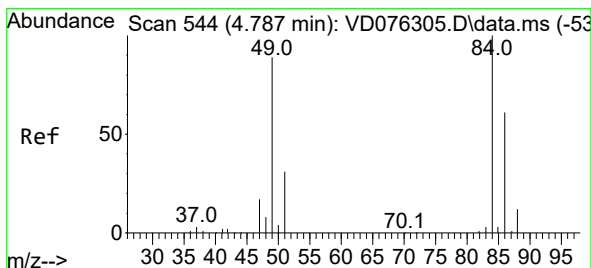
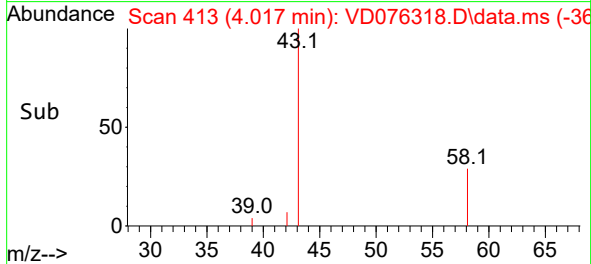
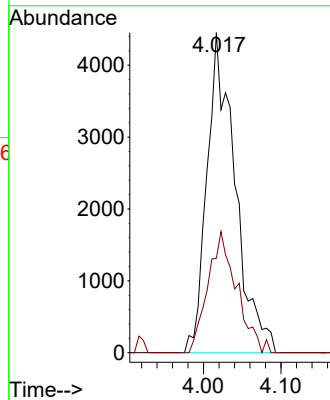
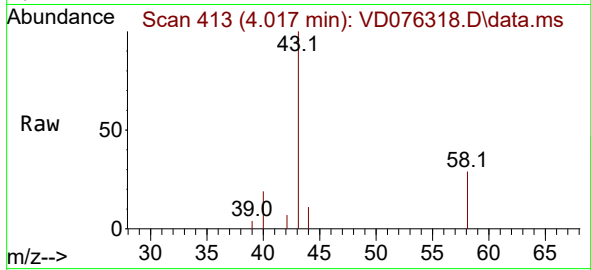
TP-14-0A

Tgt Ion: 43 Resp: 11227

Ion Ratio Lower Upper

43 100

58 29.5 34.7 52.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.799 min Scan# 546

Delta R.T. 0.012 min

Lab File: VD076318.D

Acq: 02 Jun 2023 17:33

Tgt Ion: 84 Resp: 10141

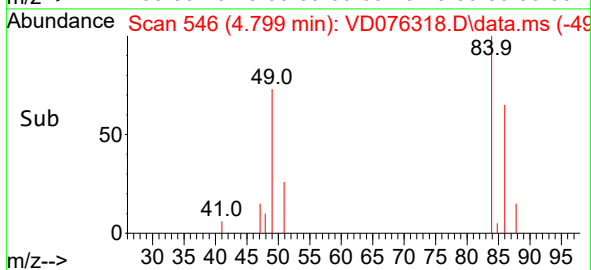
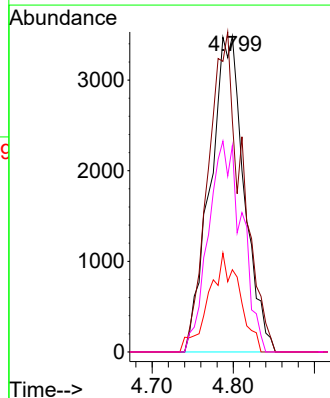
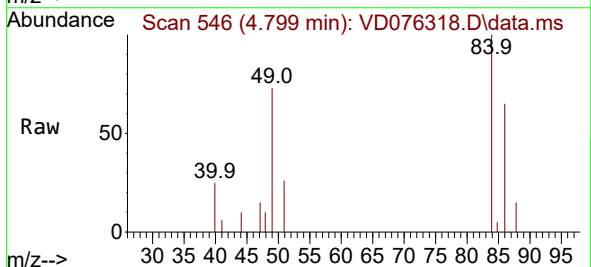
Ion Ratio Lower Upper

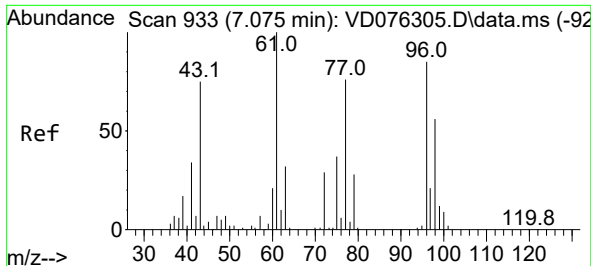
84 100

49 73.3 71.4 107.2

51 26.1 24.5 36.7

86 65.3 48.7 73.1

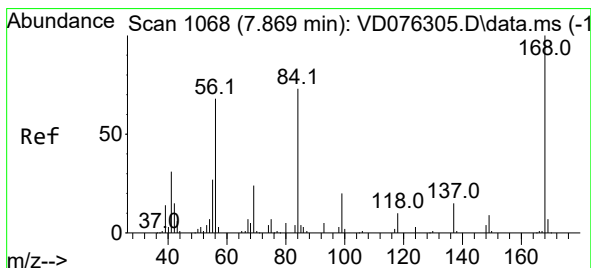
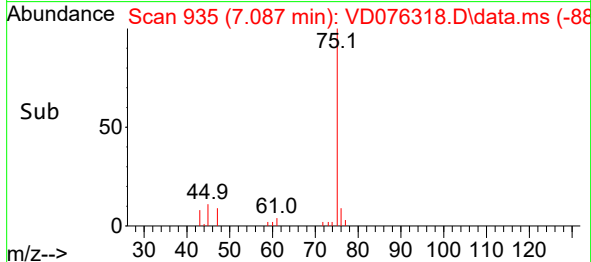
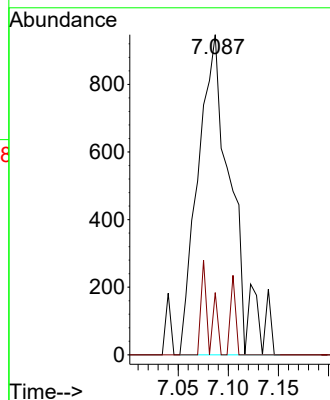
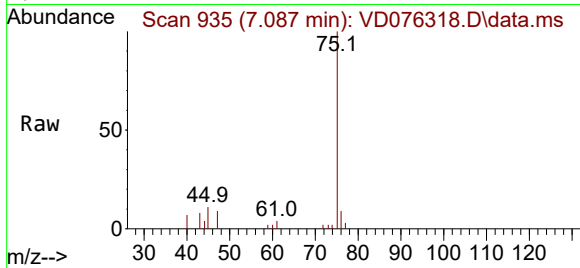




#25
2-Butanone
Concen: 5.202 ug/l
RT: 7.087 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD076318.D
Acq: 02 Jun 2023 17:33

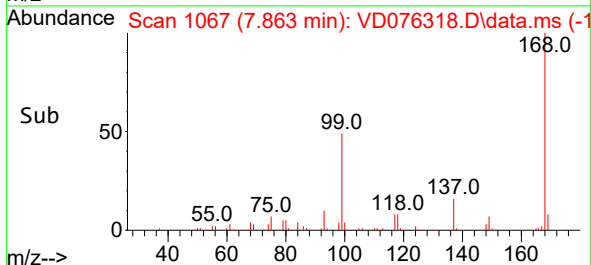
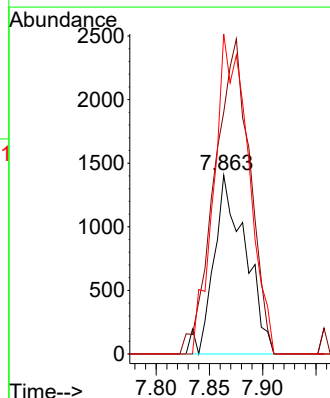
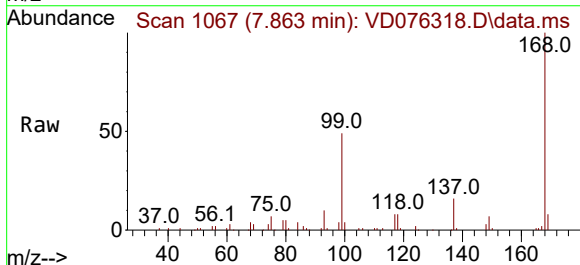
Instrument :
MSVOA_D
ClientSampleId :
TP-14-0A

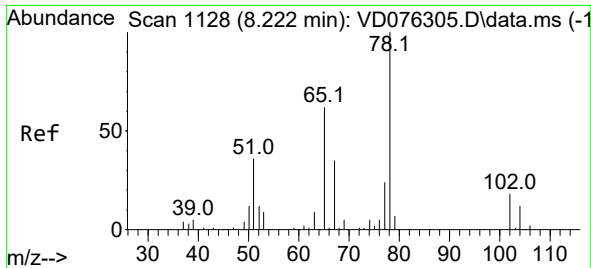
Tgt Ion: 43 Resp: 2207
Ion Ratio Lower Upper
43 100
72 19.4 30.7 46.1#



#31
Cyclohexane
Concen: 1.159 ug/l
RT: 7.863 min Scan# 1067
Delta R.T. -0.006 min
Lab File: VD076318.D
Acq: 02 Jun 2023 17:33

Tgt Ion: 56 Resp: 2900
Ion Ratio Lower Upper
56 100
69 135.2 28.6 43.0#
84 179.1 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 61.115 ug/l

RT: 8.228 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VD076318.D

Acq: 02 Jun 2023 17:33

Instrument :

MSVOA_D

ClientSampleId :

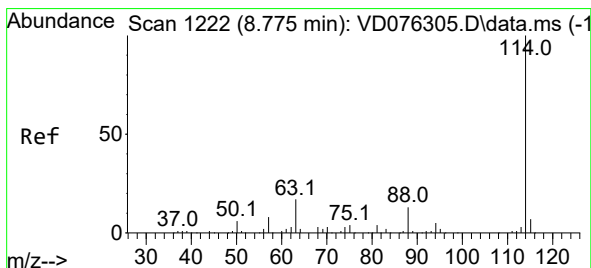
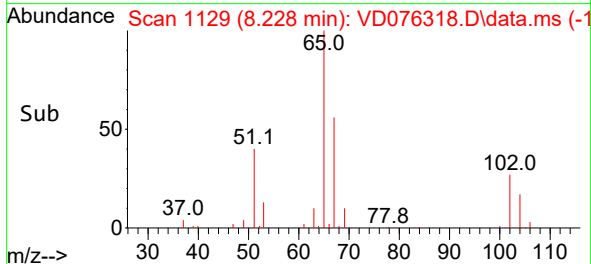
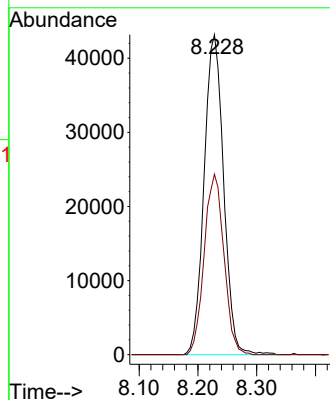
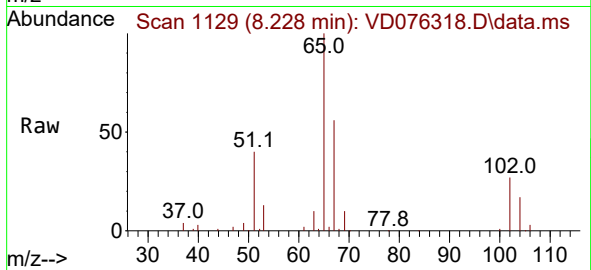
TP-14-0A

Tgt Ion: 65 Resp: 99361

Ion Ratio Lower Upper

65 100

67 57.0 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: VD076318.D

Acq: 02 Jun 2023 17:33

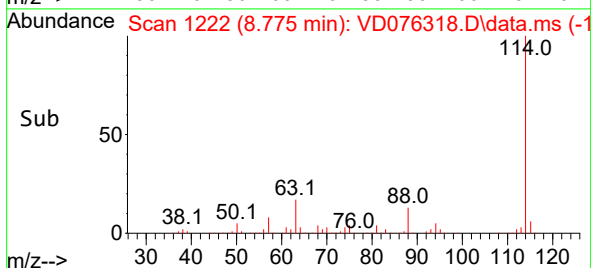
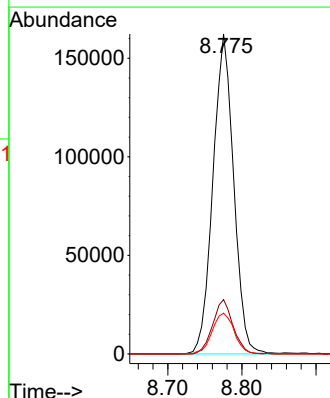
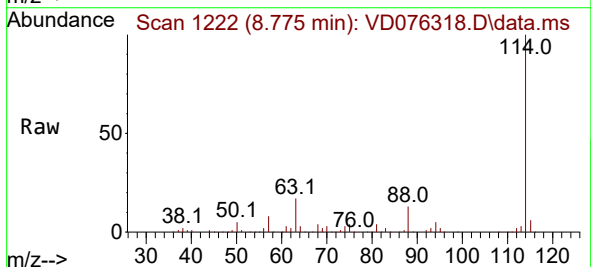
Tgt Ion:114 Resp: 314658

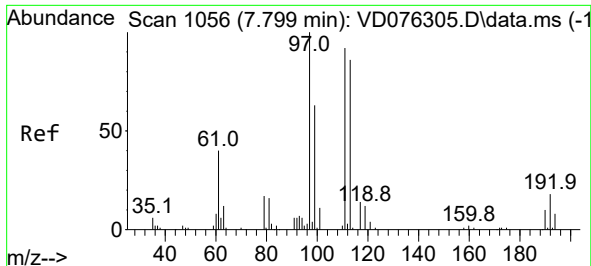
Ion Ratio Lower Upper

114 100

63 17.0 0.0 33.4

88 12.8 0.0 26.2





#35

Dibromofluoromethane

Concen: 59.384 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VD076318.D

Acq: 02 Jun 2023 17:33

Instrument :

MSVOA_D

ClientSampleId :

TP-14-0A

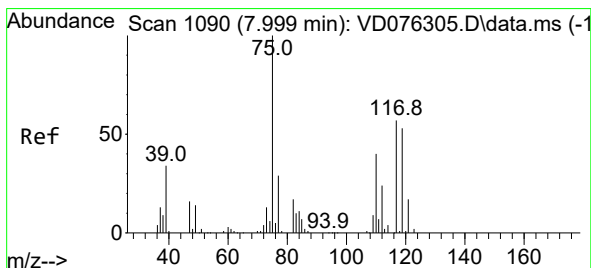
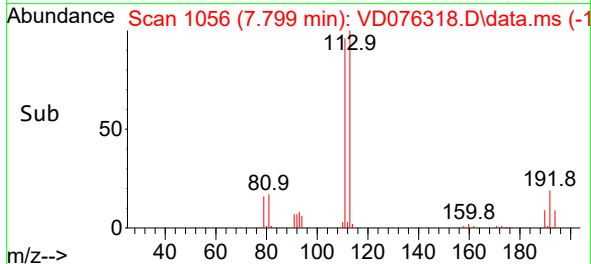
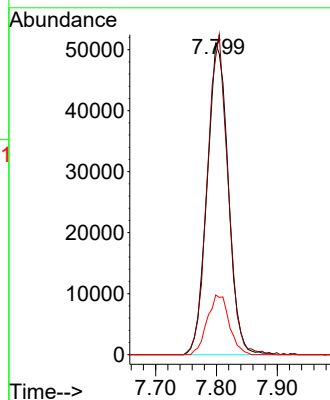
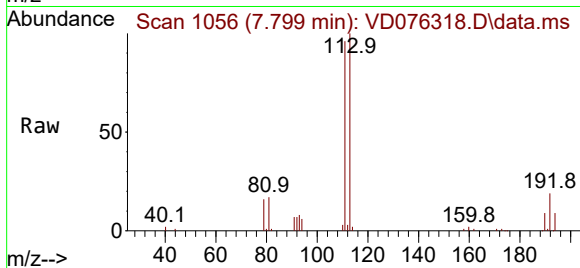
Tgt Ion:113 Resp: 123347

Ion Ratio Lower Upper

113 100

111 100.3 84.7 127.1

192 19.8 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.170 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.129 min

Lab File: VD076318.D

Acq: 02 Jun 2023 17:33

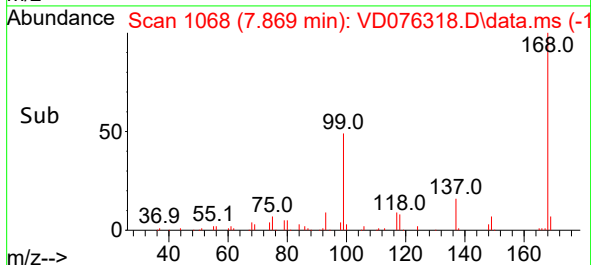
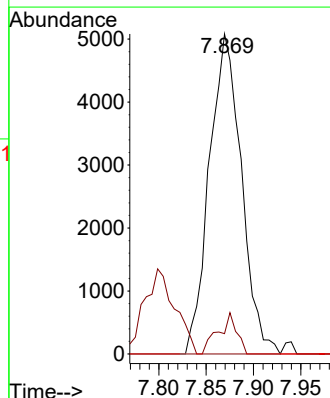
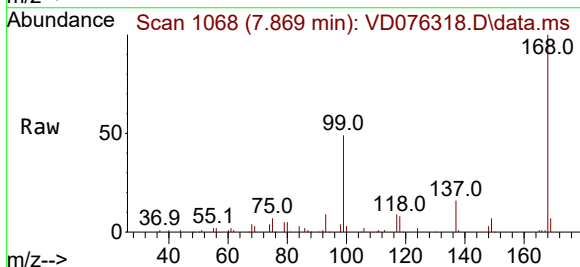
Tgt Ion: 75 Resp: 11978

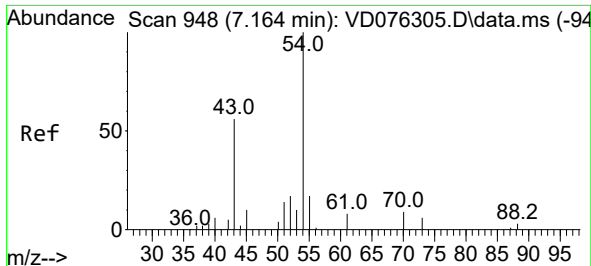
Ion Ratio Lower Upper

75 100

110 7.4 19.9 59.6#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 2.026 ug/l

RT: 7.087 min Scan# 91

Delta R.T. -0.077 min

Lab File: VD076318.D

Acq: 02 Jun 2023 17:33

Instrument :

MSVOA_D

ClientSampleId :

TP-14-0A

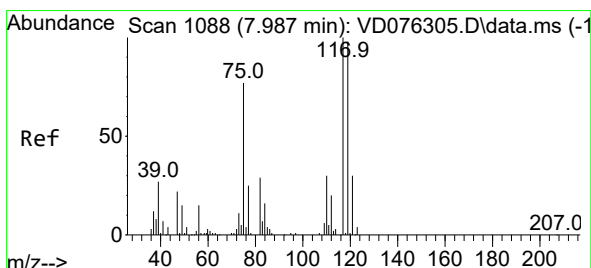
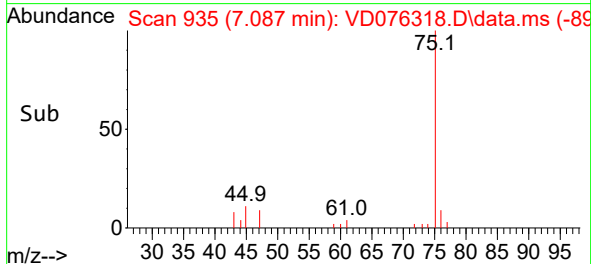
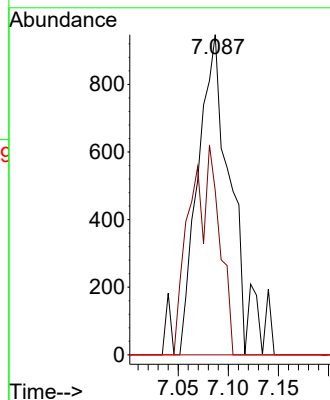
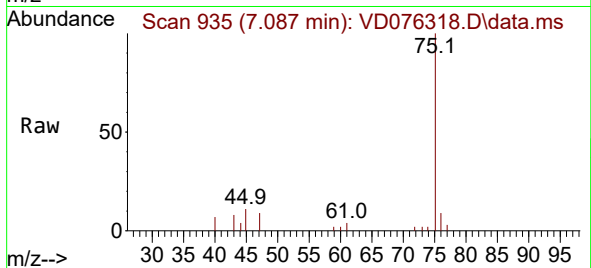
Tgt Ion: 43 Resp: 2207

Ion Ratio Lower Upper

43 100

61 31.1 14.9 22.3#

70 0.0 10.0 15.0#



#38

Carbon Tetrachloride

Concen: 5.949 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.118 min

Lab File: VD076318.D

Acq: 02 Jun 2023 17:33

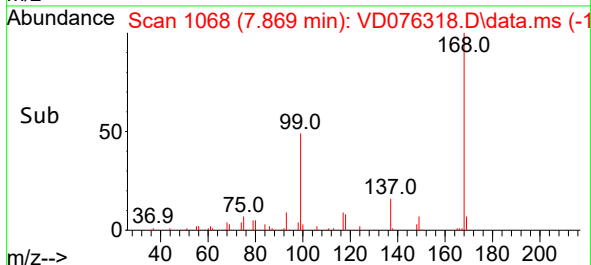
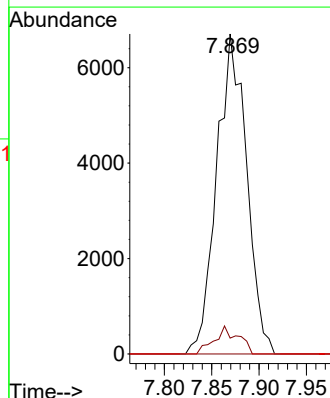
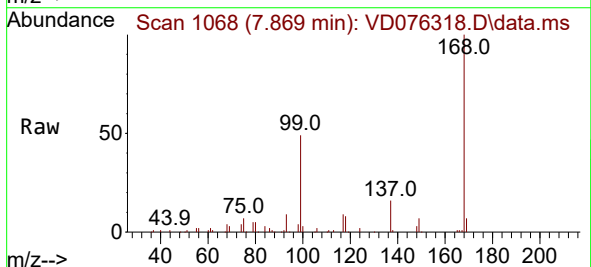
Tgt Ion: 117 Resp: 14716

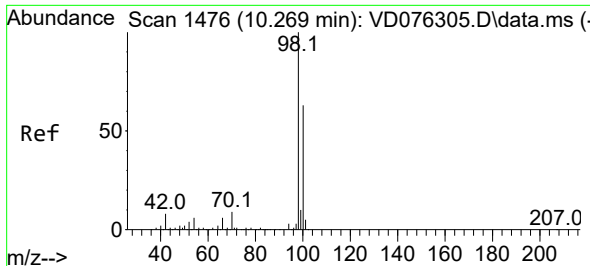
Ion Ratio Lower Upper

117 100

119 5.0 78.0 117.0#

121 0.0 24.2 36.2#

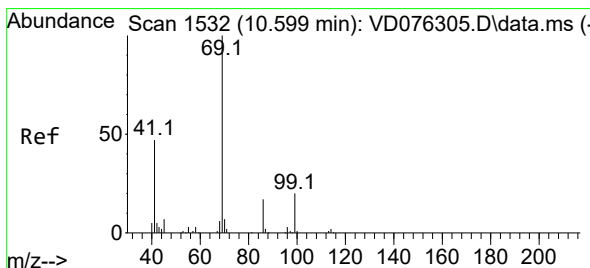
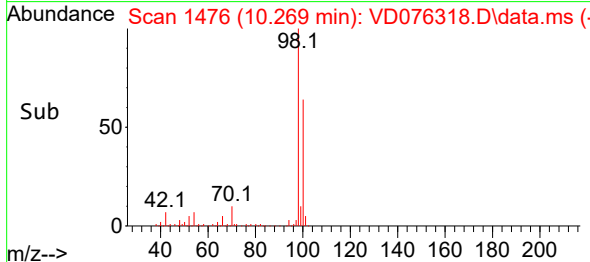
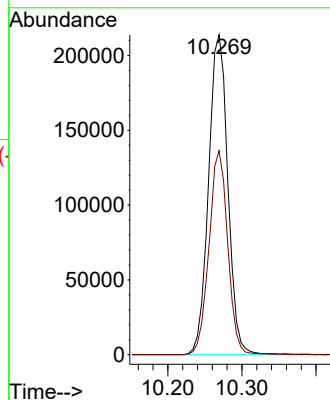
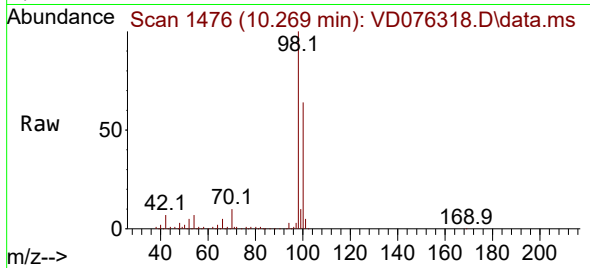




#50
Toluene-d8
Concen: 48.164 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076318.D
Acq: 02 Jun 2023 17:33

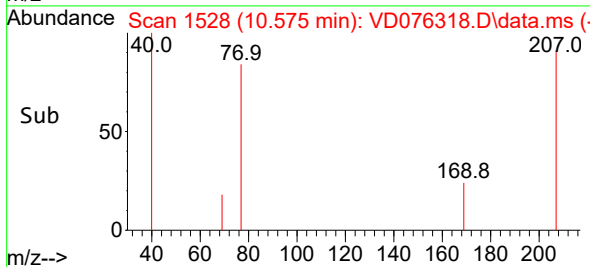
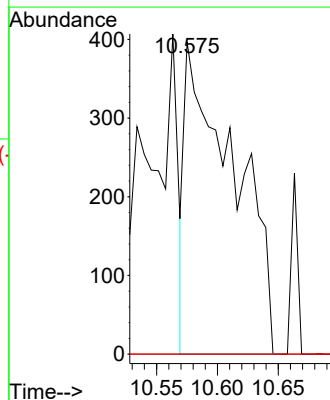
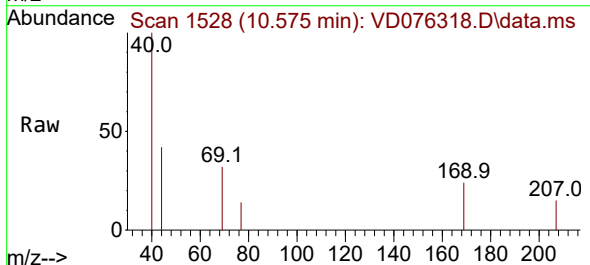
Instrument :
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TP-14-0A

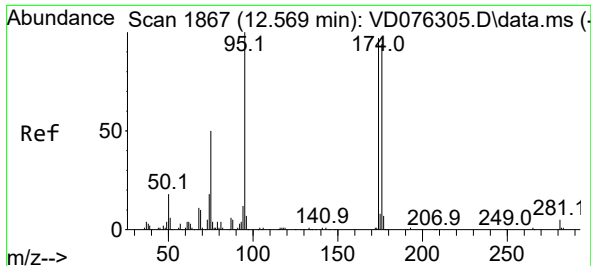
Tgt Ion: 98 Resp: 385721
Ion Ratio Lower Upper
98 100
100 62.0 50.3 75.5



#56
Ethyl methacrylate
Concen: 3.230 ug/l
RT: 10.575 min Scan# 1528
Delta R.T. -0.024 min
Lab File: VD076318.D
Acq: 02 Jun 2023 17:33

Tgt Ion: 69 Resp: 1110
Ion Ratio Lower Upper
69 100
41 0.0 39.1 58.7#
39 0.0 20.0 30.0#

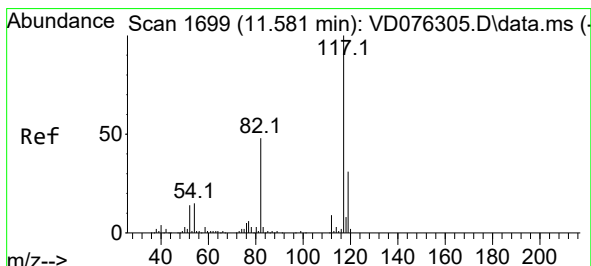
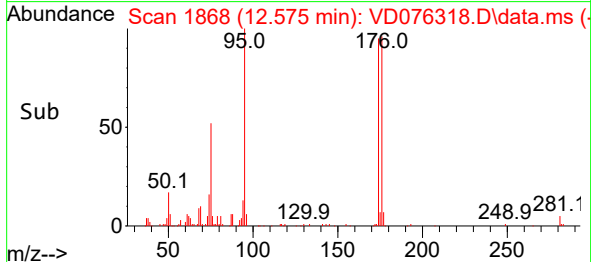
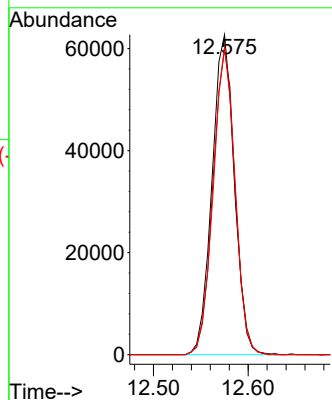
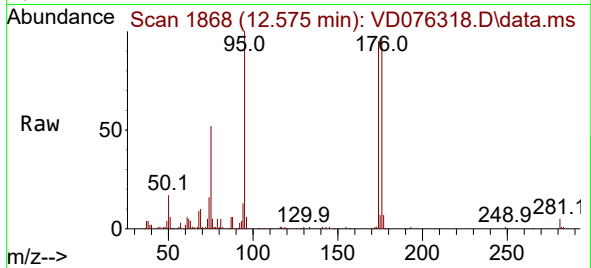




#62
4-Bromofluorobenzene
Concen: 45.908 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD076318.D
Acq: 02 Jun 2023 17:33

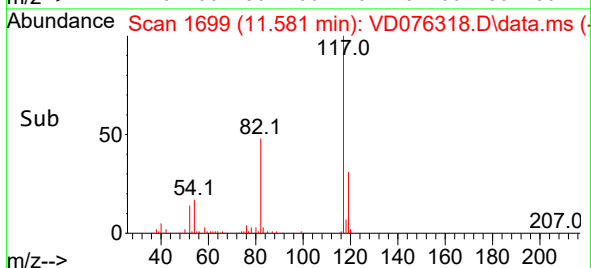
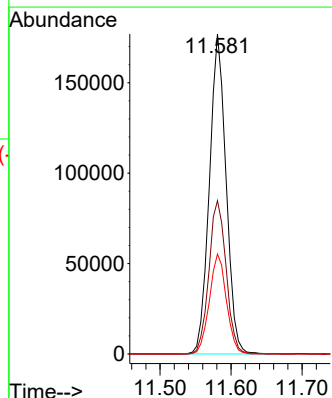
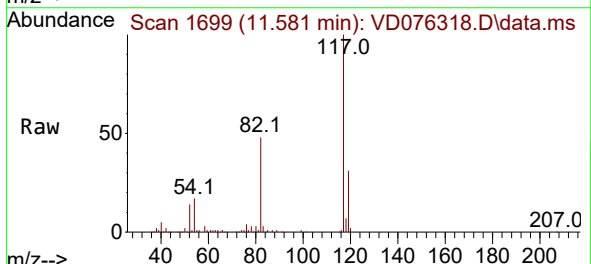
Instrument :
MSVOA_D
ClientSampleId :
TP-14-0A

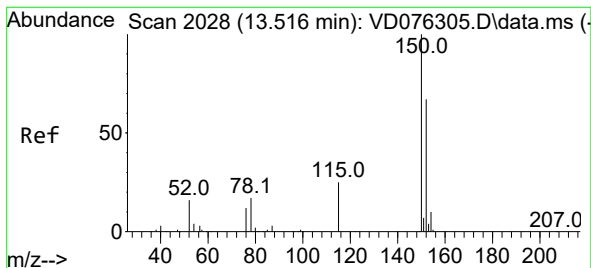
Tgt Ion: 95 Resp: 102545
Ion Ratio Lower Upper
95 100
174 95.0 0.0 201.8
176 94.0 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076318.D
Acq: 02 Jun 2023 17:33

Tgt Ion: 117 Resp: 288578
Ion Ratio Lower Upper
117 100
82 47.9 38.3 57.5
119 31.2 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: VD076318.D

Acq: 02 Jun 2023 17:33

Instrument :

MSVOA_D

ClientSampleId :

TP-14-0A

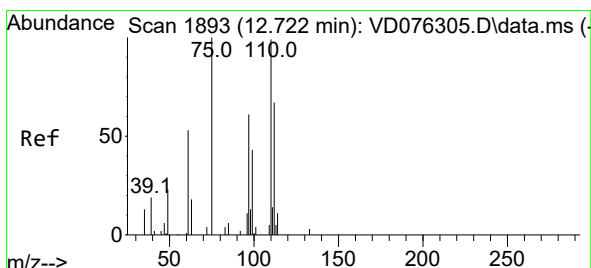
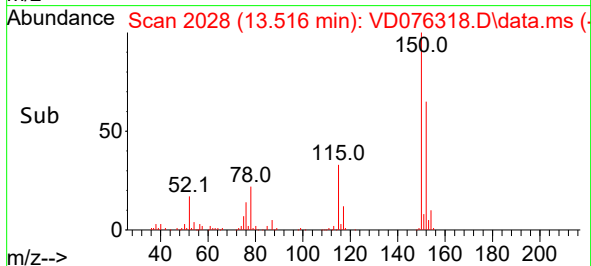
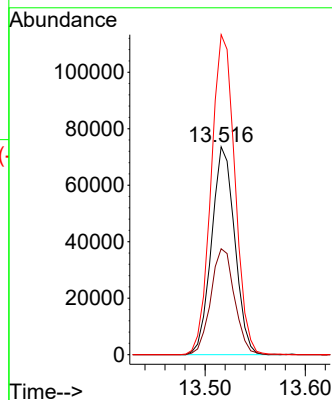
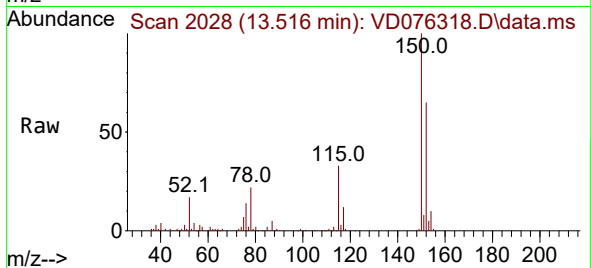
Tgt Ion:152 Resp: 118147

Ion Ratio Lower Upper

152 100

115 52.1 27.1 81.3

150 157.9 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 47.346 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD076318.D

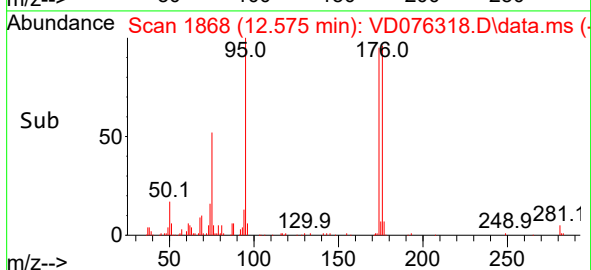
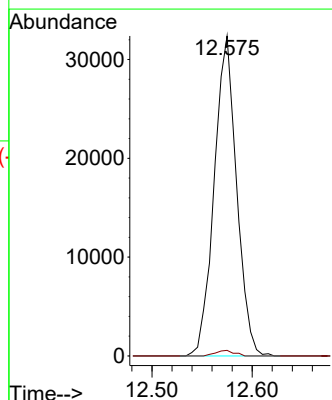
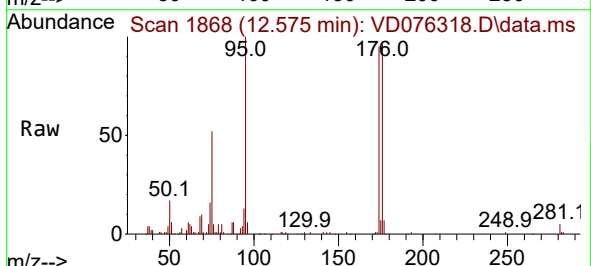
Acq: 02 Jun 2023 17:33

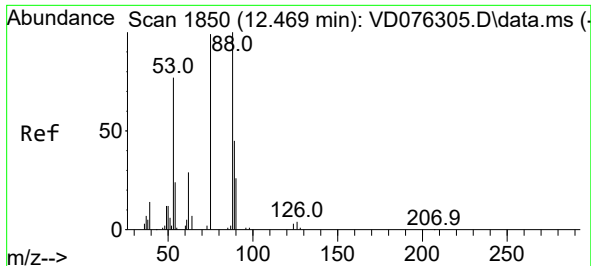
Tgt Ion: 75 Resp: 50324

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

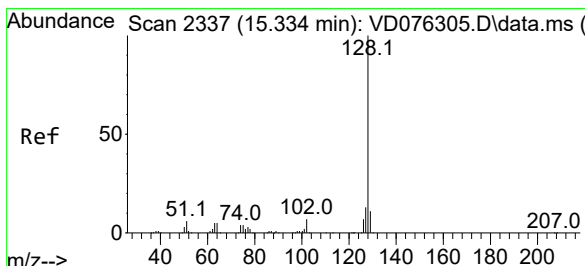
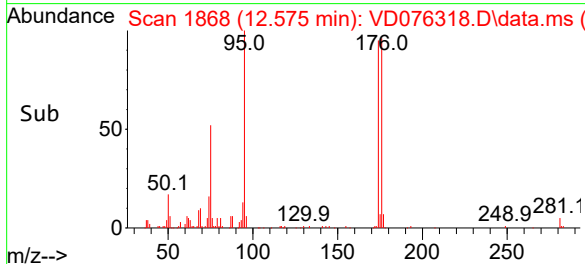
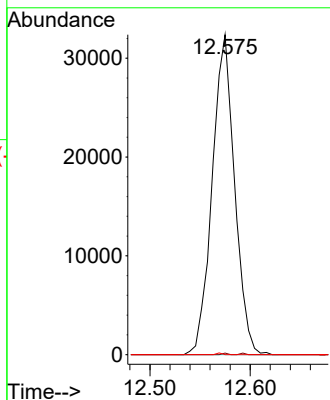
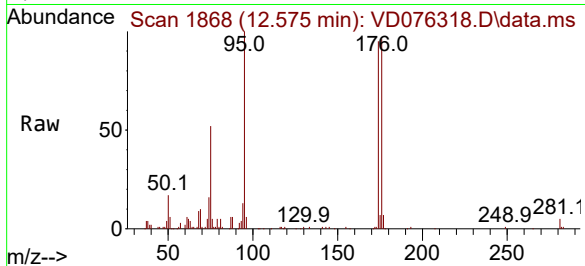




#81
trans-1,4-Dichloro-2-butene
Concen: 108.608 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076318.D
Acq: 02 Jun 2023 17:33

Instrument :
MSVOA_D
ClientSampleId :
TP-14-0A

Tgt Ion: 75 Resp: 50324
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.1 37.9 56.9#



#95
Naphthalene
Concen: 6.830 ug/l
RT: 15.328 min Scan# 2336
Delta R.T. -0.006 min
Lab File: VD076318.D
Acq: 02 Jun 2023 17:33

Tgt Ion: 128 Resp: 15094
Ion Ratio Lower Upper
128 100
127 11.9 10.5 15.7
129 12.7 8.7 13.1

