

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060223\
 Data File : VD076319.D
 Acq On : 02 Jun 2023 18:05
 Operator : KP/SY
 Sample : 02986-07
 Misc : 5.41G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-15-0A

Quant Time: Jun 03 02:25:03 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)

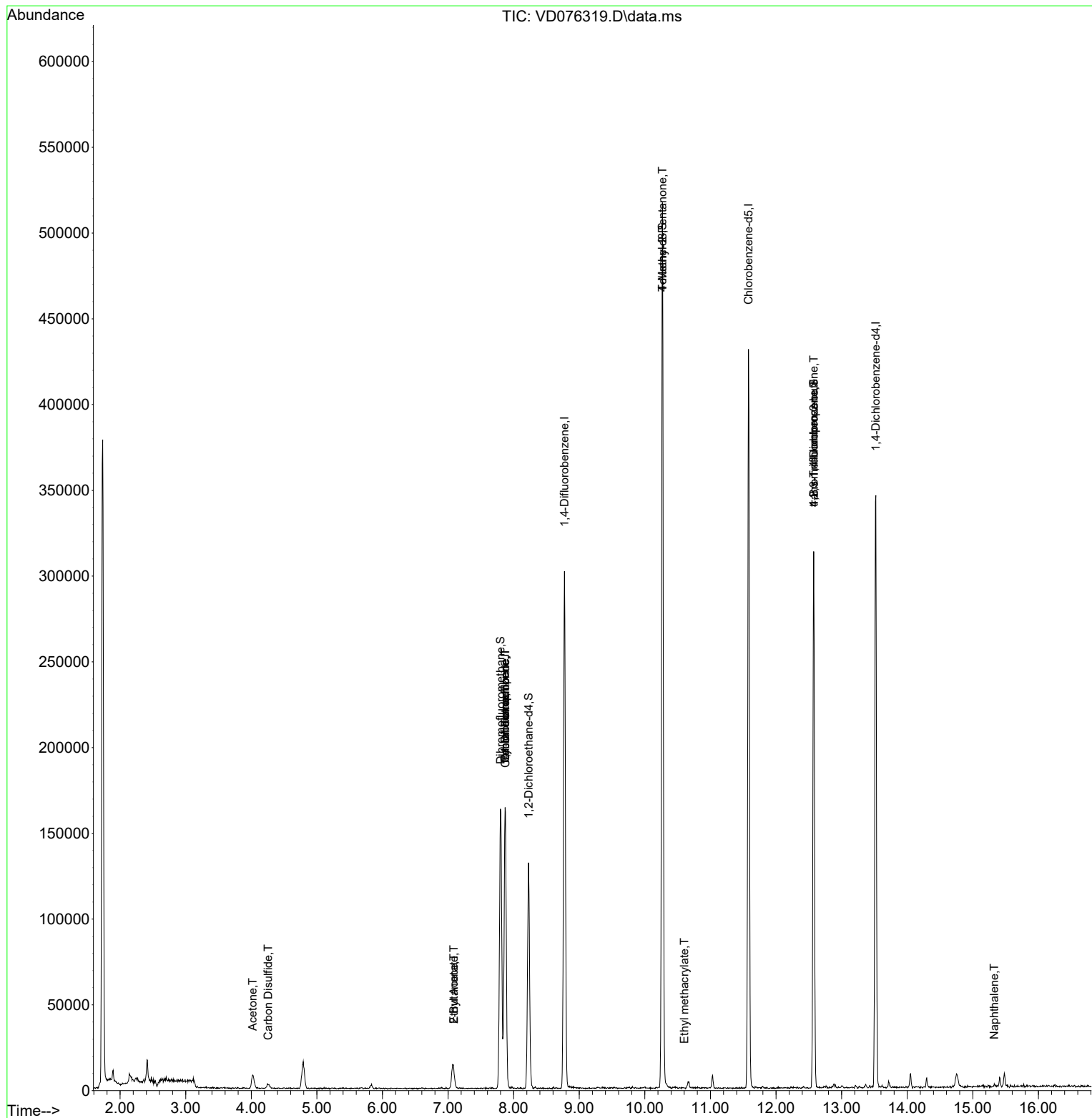
Internal Standards							
1) Pentafluorobenzene		7.869	168	142195	50.000	ug/l	0.00
34) 1,4-Difluorobenzene		8.775	114	293168	50.000	ug/l	0.00
63) Chlorobenzene-d5		11.581	117	268035	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4		13.522	152	105137	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4		8.228	65	94939	68.510	ug/l	0.00
Spiked Amount 50.000		Range	50 - 163	Recovery	= 137.020%		
35) Dibromofluoromethane		7.799	113	122813	63.461	ug/l	0.00
Spiked Amount 50.000		Range	54 - 147	Recovery	= 126.920%		
50) Toluene-d8		10.269	98	376114	50.407	ug/l	0.00
Spiked Amount 50.000		Range	58 - 134	Recovery	= 100.820%		
62) 4-Bromofluorobenzene		12.575	95	93913	45.125	ug/l	0.00
Spiked Amount 50.000		Range	30 - 143	Recovery	= 90.260%		
Target Compounds							
							Qvalue
3) Chloromethane		2.146	50	605	Below Cal	#	41
6) Chloroethane		2.628	64	56	Below Cal	#	43
13) Acrolein		3.787	56	120	Below Cal	#	15
16) Acetone		4.022	43	13131	45.461	ug/l	99
17) Carbon Disulfide		4.258	76	5759	1.092	ug/l #	76
20) Methylene Chloride		4.793	84	12857	Below Cal	#	84
25) 2-Butanone		7.087	43	3031	8.382	ug/l #	69
31) Cyclohexane		7.869	56	2882	1.351	ug/l #	57
36) 1,1-Dichloropropene		7.869	75	10166	3.799	ug/l #	46
37) Ethyl Acetate		7.087	43	3031	2.987	ug/l #	85
38) Carbon Tetrachloride		7.875	117	11692	5.073	ug/l #	15
51) 4-Methyl-2-Pentanone		10.269	43	1401	1.449	ug/l #	1
56) Ethyl methacrylate		10.604	69	66	2.762	ug/l #	36
76) 1,2,3-Trichloropropane		12.575	75	46257	48.905	ug/l #	100
81) trans-1,4-Dichloro-2-b...		12.575	75	46257	112.184	ug/l #	17
95) Naphthalene		15.328	128	1946	4.179	ug/l #	85

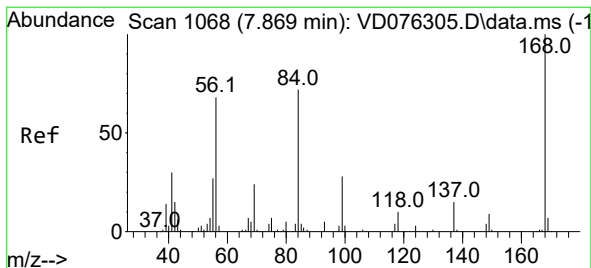
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD076319.D

Acq: 02 Jun 2023 18:05

Instrument :

MSVOA_D

ClientSampleId :

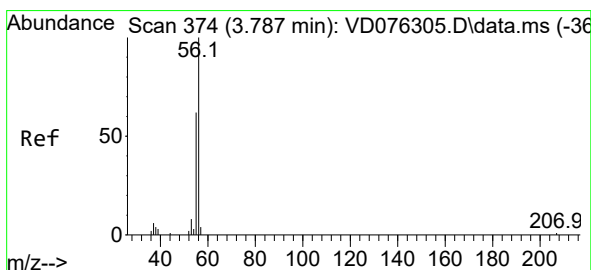
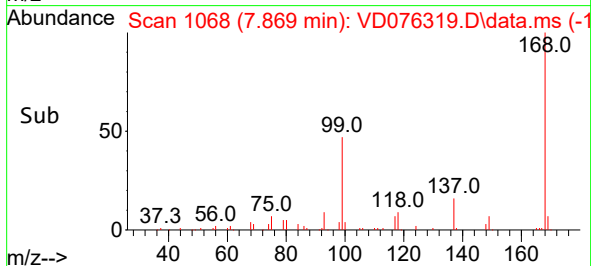
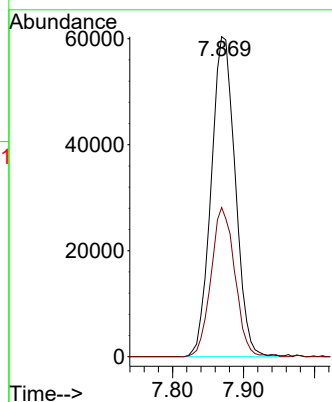
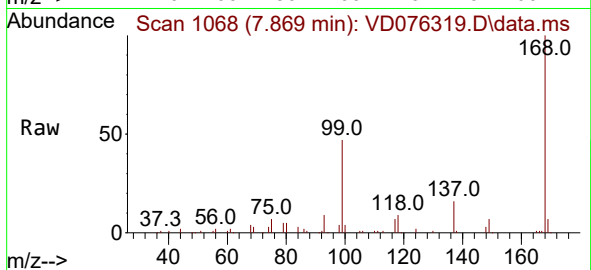
TP-15-0A

Tgt Ion:168 Resp: 142195

Ion Ratio Lower Upper

168 100

99 46.6 36.7 55.1



#13

Acrolein

Concen: Below Cal

RT: 3.787 min Scan# 374

Delta R.T. -0.000 min

Lab File: VD076319.D

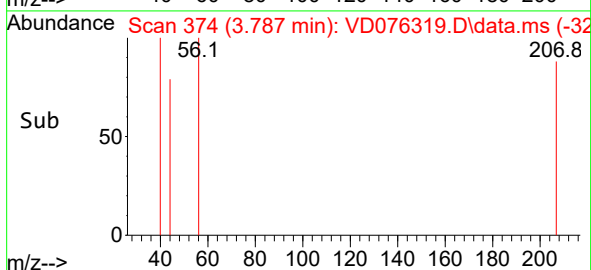
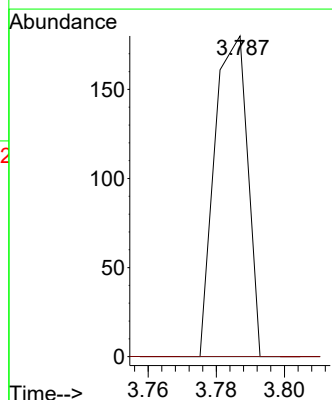
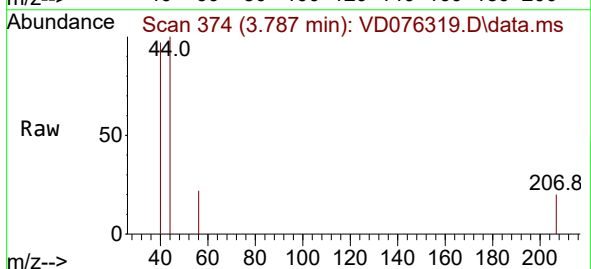
Acq: 02 Jun 2023 18:05

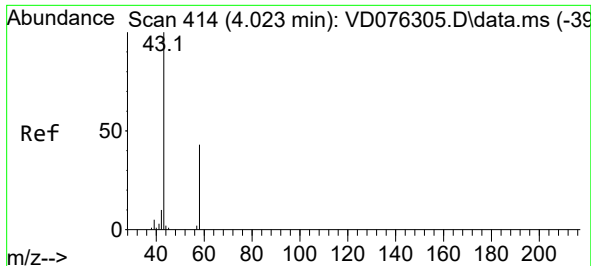
Tgt Ion: 56 Resp: 120

Ion Ratio Lower Upper

56 100

55 0.0 55.1 82.7#





#16

Acetone

Concen: 45.461 ug/l

RT: 4.022 min Scan# 414

Delta R.T. -0.001 min

Lab File: VD076319.D

Acq: 02 Jun 2023 18:05

Instrument :

MSVOA_D

ClientSampleId :

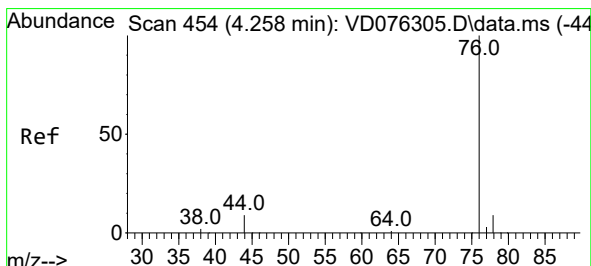
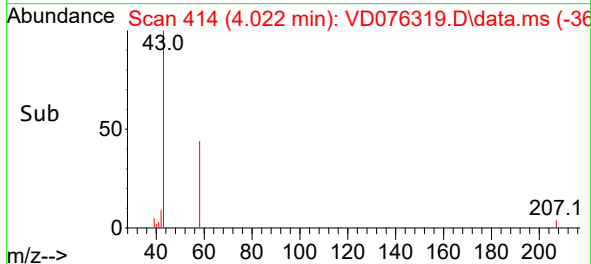
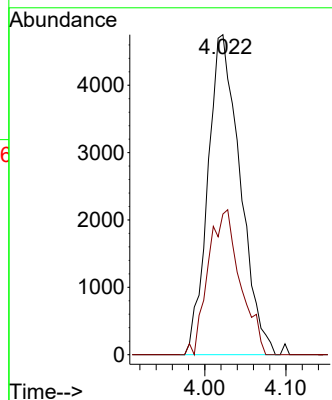
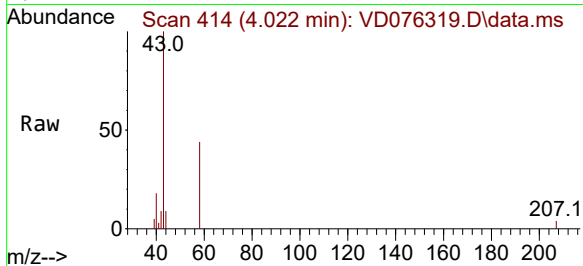
TP-15-0A

Tgt Ion: 43 Resp: 13131

Ion Ratio Lower Upper

43 100

58 44.0 34.7 52.1



#17

Carbon Disulfide

Concen: 1.092 ug/l

RT: 4.258 min Scan# 454

Delta R.T. -0.000 min

Lab File: VD076319.D

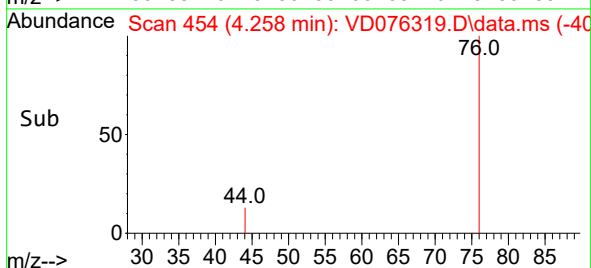
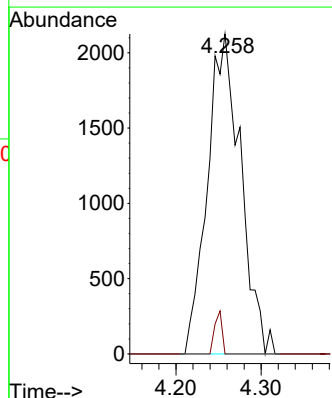
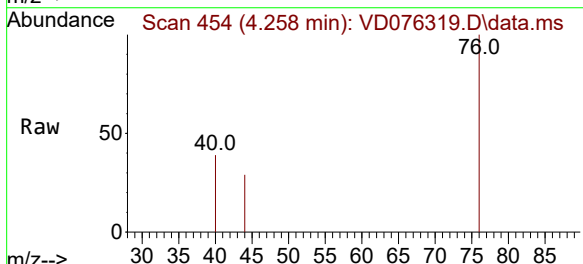
Acq: 02 Jun 2023 18:05

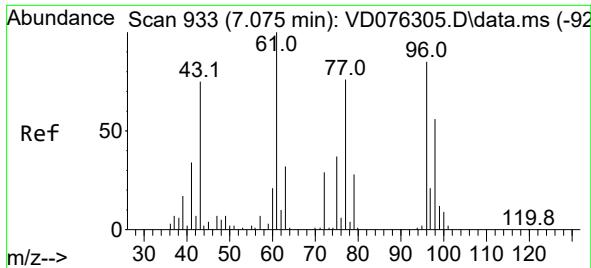
Tgt Ion: 76 Resp: 5759

Ion Ratio Lower Upper

76 100

78 0.0 6.8 10.2#

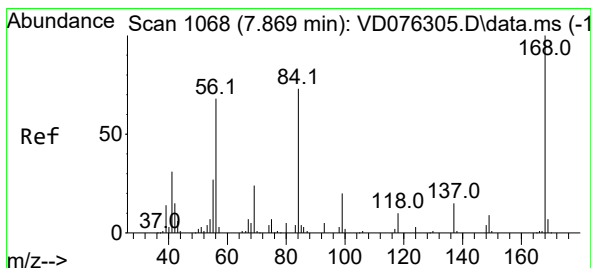
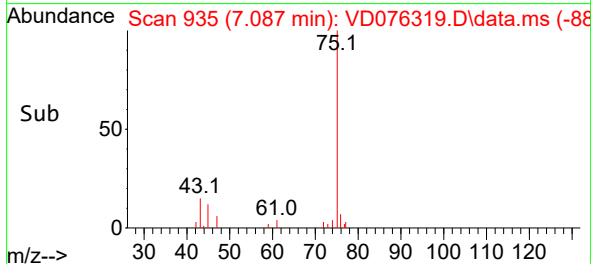
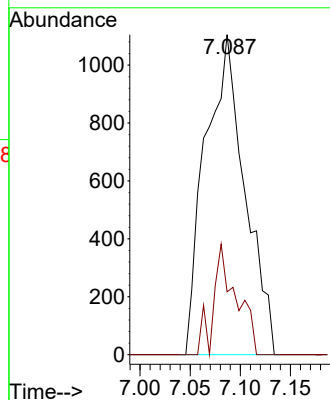
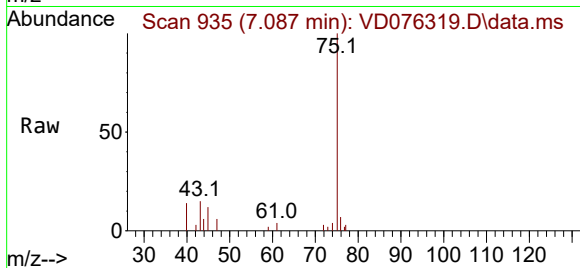




#25
2-Butanone
Concen: 8.382 ug/l
RT: 7.087 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD076319.D
Acq: 02 Jun 2023 18:05

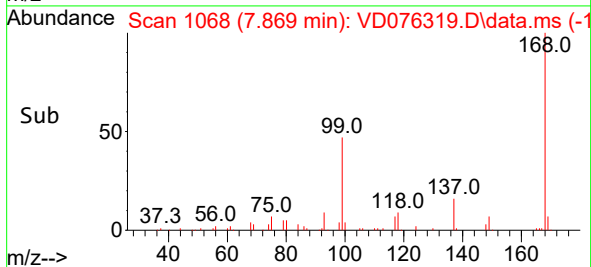
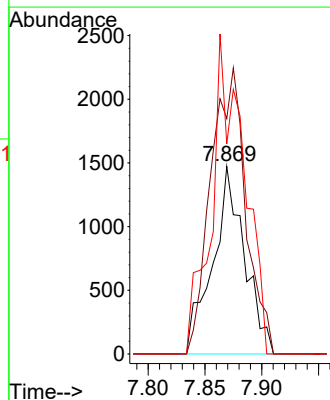
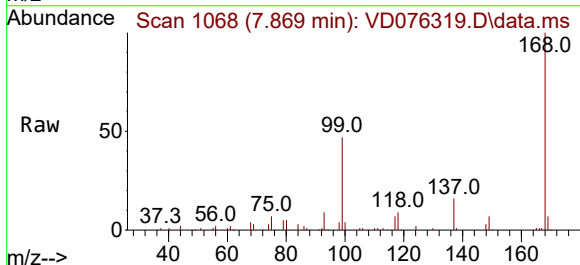
Instrument :
MSVOA_D
ClientSampleId :
TP-15-0A

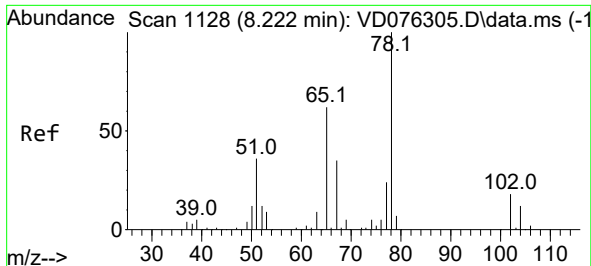
Tgt Ion: 43 Resp: 3031
Ion Ratio Lower Upper
43 100
72 19.6 30.7 46.1#



#31
Cyclohexane
Concen: 1.351 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VD076319.D
Acq: 02 Jun 2023 18:05

Tgt Ion: 56 Resp: 2882
Ion Ratio Lower Upper
56 100
69 125.5 28.6 43.0#
84 112.0 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 68.510 ug/l

RT: 8.228 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VD076319.D

Acq: 02 Jun 2023 18:05

Instrument :

MSVOA_D

ClientSampleId :

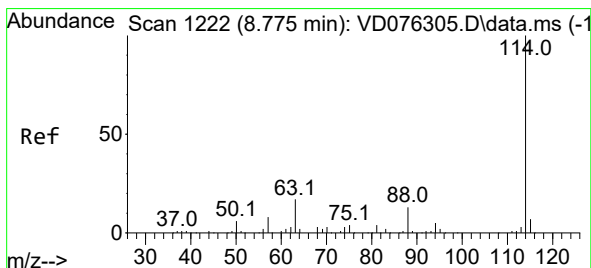
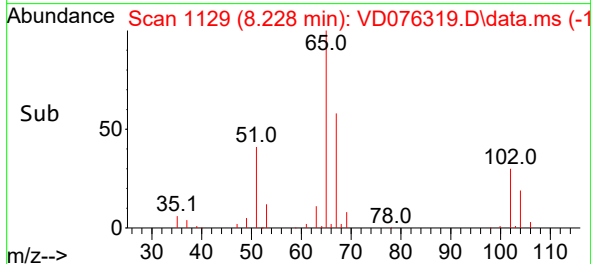
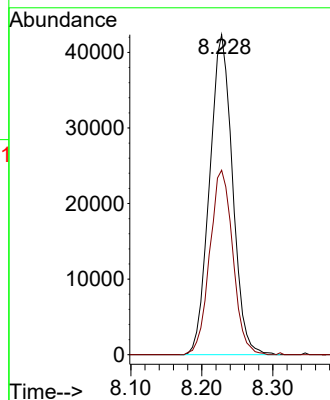
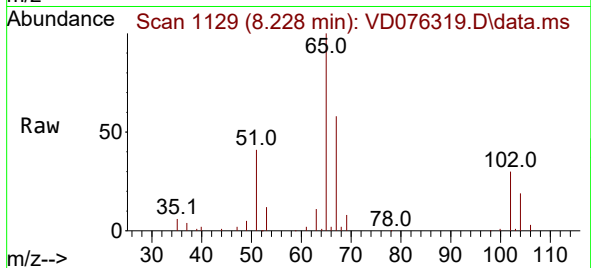
TP-15-0A

Tgt Ion: 65 Resp: 94939

Ion Ratio Lower Upper

65 100

67 58.0 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: VD076319.D

Acq: 02 Jun 2023 18:05

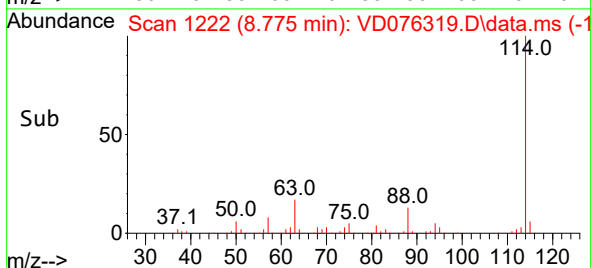
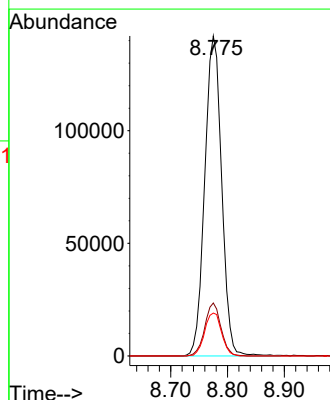
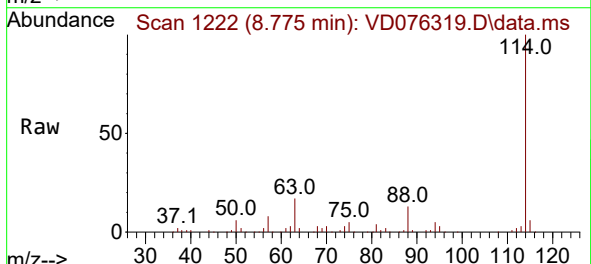
Tgt Ion:114 Resp: 293168

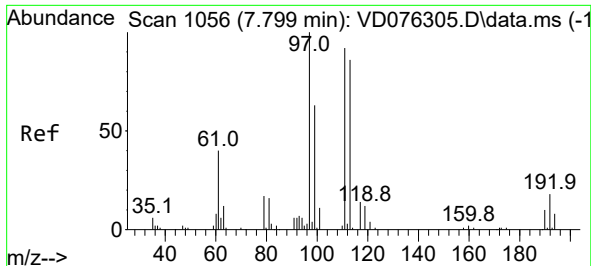
Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.4

88 13.4 0.0 26.2





#35

Dibromofluoromethane

Concen: 63.461 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VD076319.D

Acq: 02 Jun 2023 18:05

Instrument :

MSVOA_D

ClientSampleId :

TP-15-0A

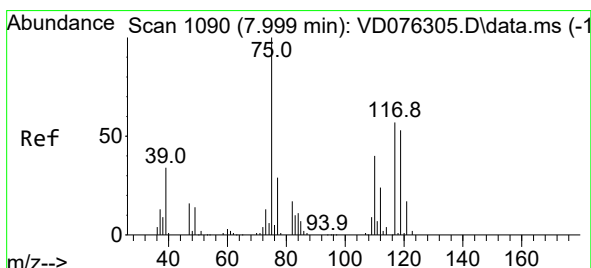
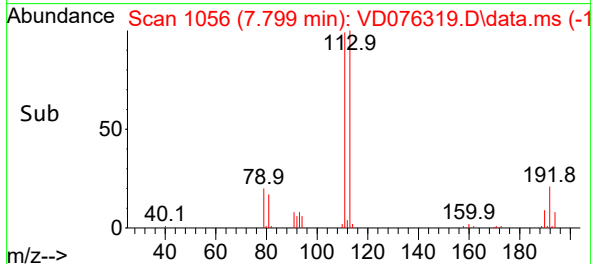
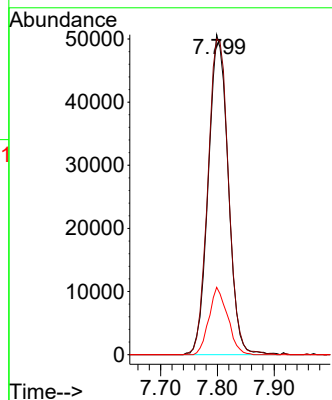
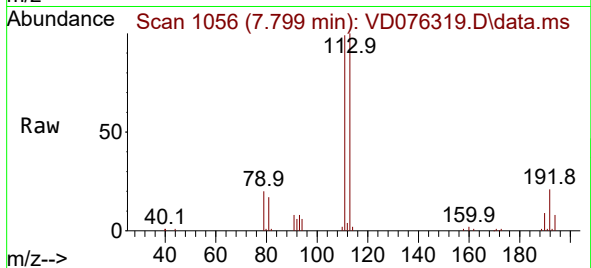
Tgt Ion:113 Resp: 122813

Ion Ratio Lower Upper

113 100

111 102.4 84.7 127.1

192 19.8 16.8 25.2



#36

1,1-Dichloropropene

Concen: 3.799 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.130 min

Lab File: VD076319.D

Acq: 02 Jun 2023 18:05

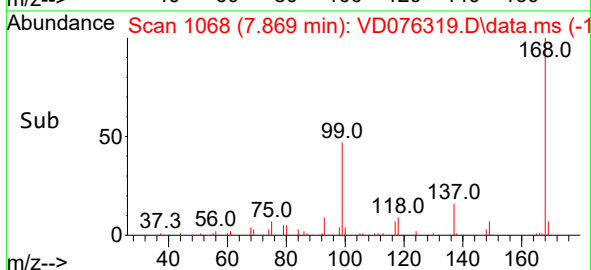
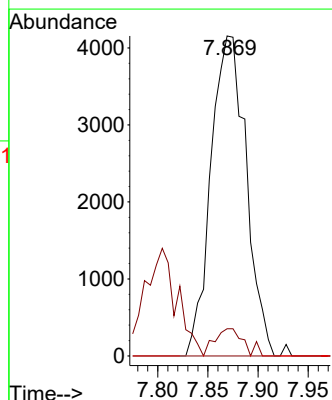
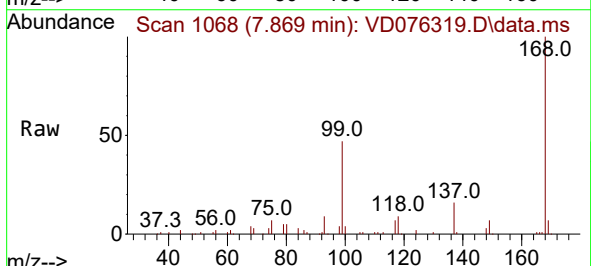
Tgt Ion: 75 Resp: 10166

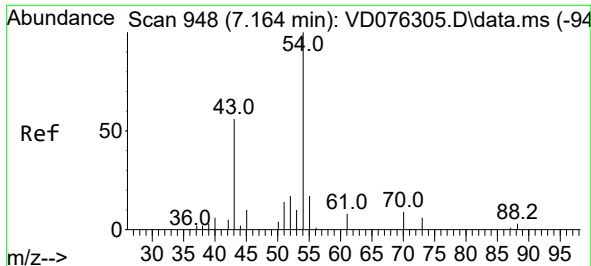
Ion Ratio Lower Upper

75 100

110 7.0 19.9 59.6#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 2.987 ug/l

RT: 7.087 min Scan# 91

Delta R.T. -0.077 min

Lab File: VD076319.D

Acq: 02 Jun 2023 18:05

Instrument :

MSVOA_D

ClientSampleId :

TP-15-0A

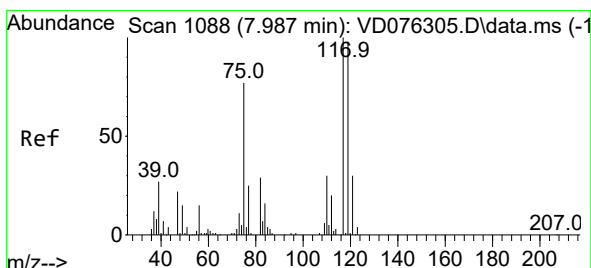
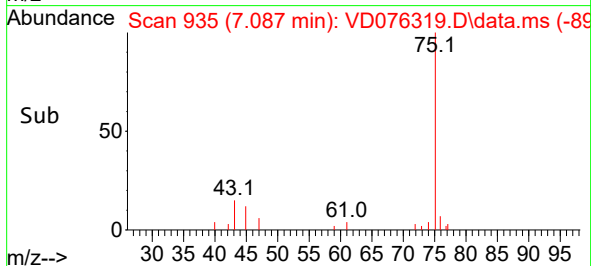
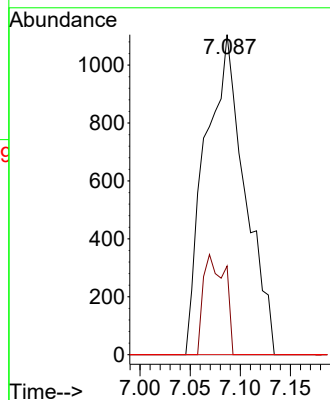
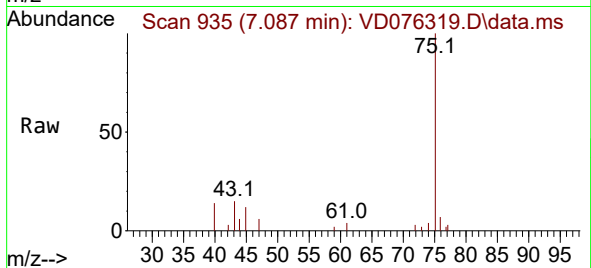
Tgt Ion: 43 Resp: 3031

Ion Ratio Lower Upper

43 100

61 17.1 14.9 22.3

70 0.0 10.0 15.0#



#38

Carbon Tetrachloride

Concen: 5.073 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD076319.D

Acq: 02 Jun 2023 18:05

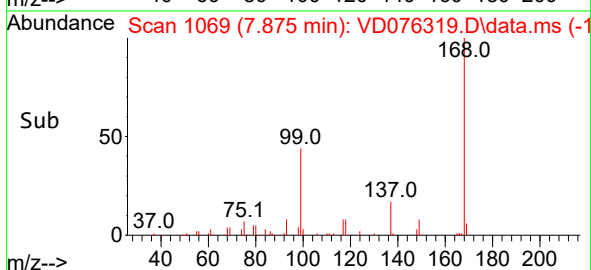
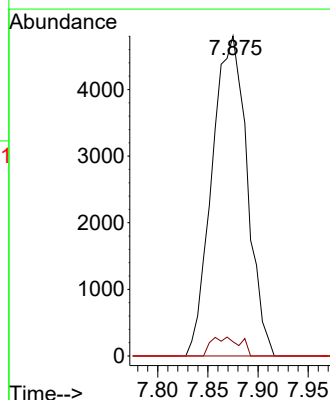
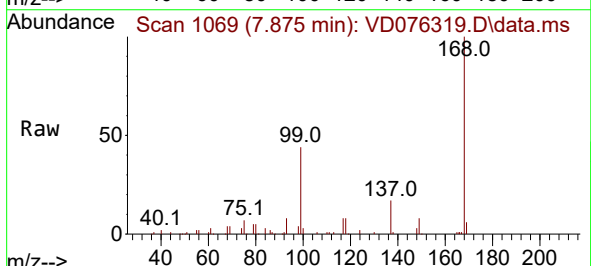
Tgt Ion: 117 Resp: 11692

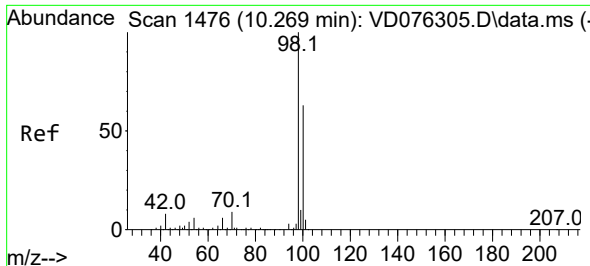
Ion Ratio Lower Upper

117 100

119 4.4 78.0 117.0#

121 0.0 24.2 36.2#

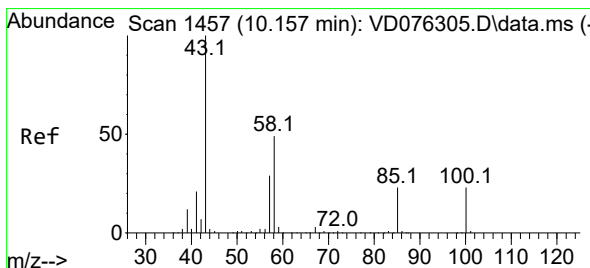
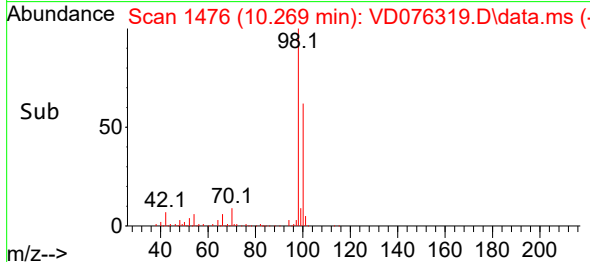
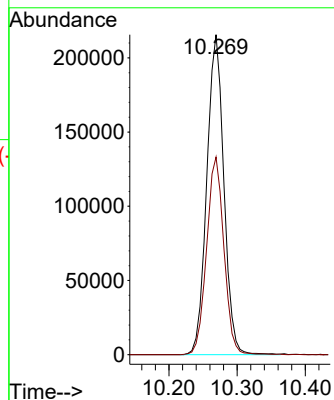
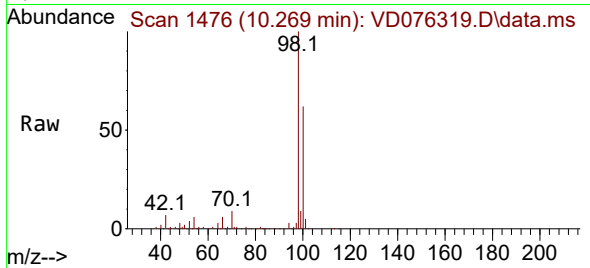




#50
Toluene-d8
Concen: 50.407 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076319.D
Acq: 02 Jun 2023 18:05

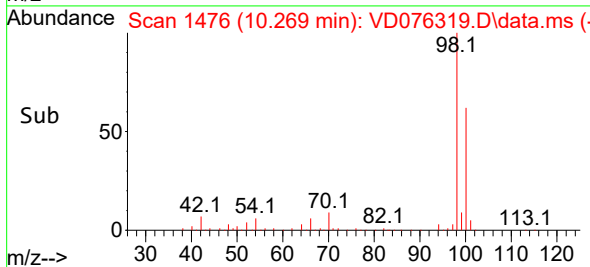
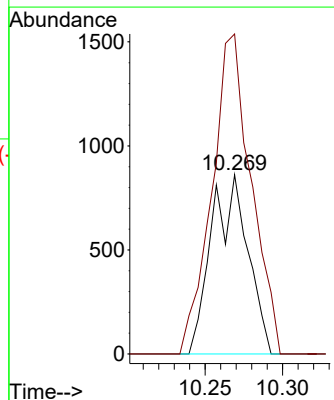
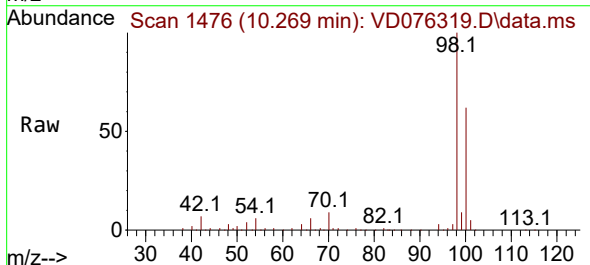
Instrument :
MSVOA_D
ClientSampleId :
TP-15-0A

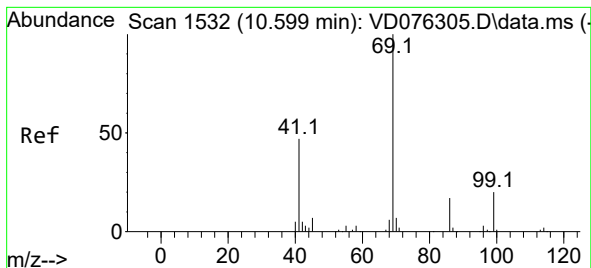
Tgt Ion: 98 Resp: 376114
Ion Ratio Lower Upper
98 100
100 62.5 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.449 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD076319.D
Acq: 02 Jun 2023 18:05

Tgt Ion: 43 Resp: 1401
Ion Ratio Lower Upper
43 100
58 193.6 38.9 58.3#





#56

Ethyl methacrylate

Concen: 2.762 ug/l

RT: 10.604 min Scan# 1

Delta R.T. 0.005 min

Lab File: VD076319.D

Acq: 02 Jun 2023 18:05

Instrument :

MSVOA_D

ClientSampleId :

TP-15-0A

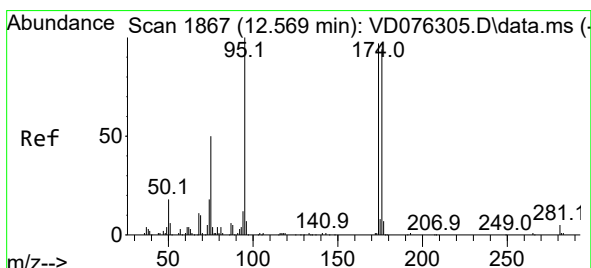
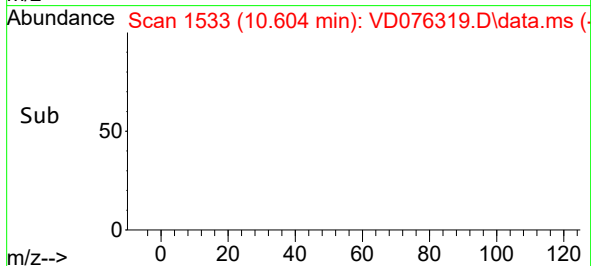
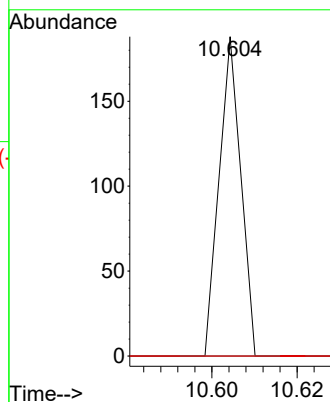
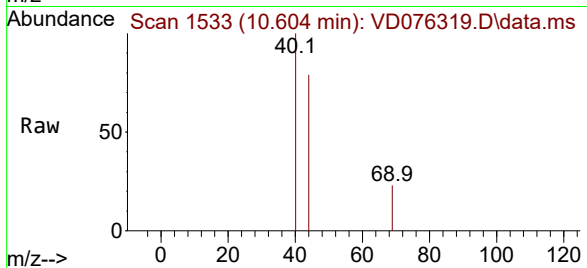
Tgt Ion: 69 Resp: 66

Ion Ratio Lower Upper

69 100

41 0.0 39.1 58.7#

39 0.0 20.0 30.0#



#62

4-Bromofluorobenzene

Concen: 45.125 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.006 min

Lab File: VD076319.D

Acq: 02 Jun 2023 18:05

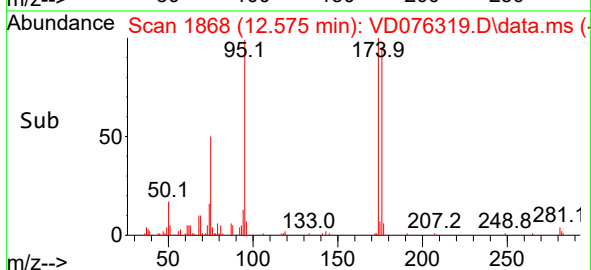
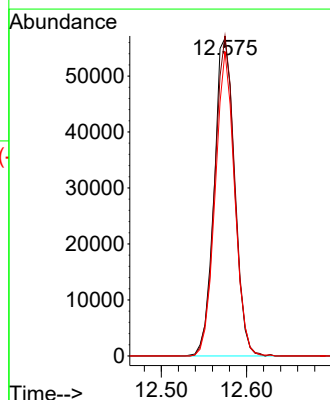
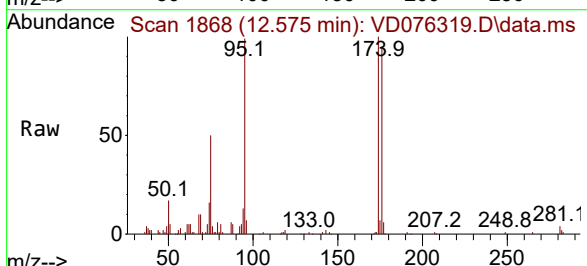
Tgt Ion: 95 Resp: 93913

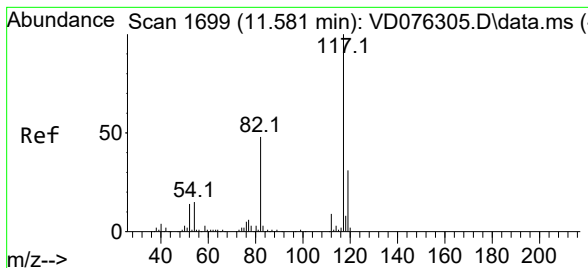
Ion Ratio Lower Upper

95 100

174 98.6 0.0 201.8

176 91.1 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076319.D

Acq: 02 Jun 2023 18:05

Instrument :

MSVOA_D

ClientSampleId :

TP-15-0A

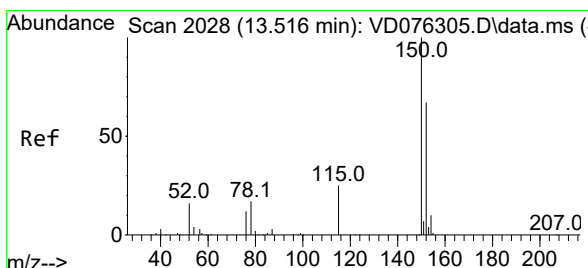
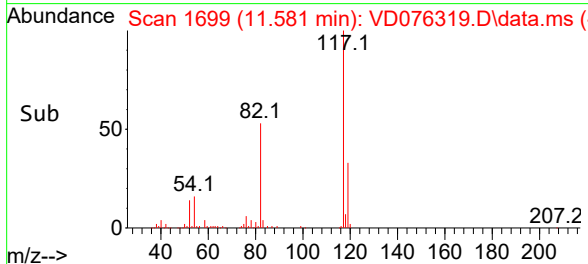
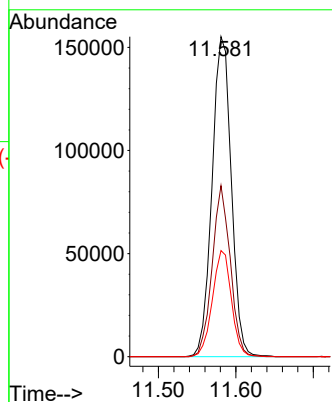
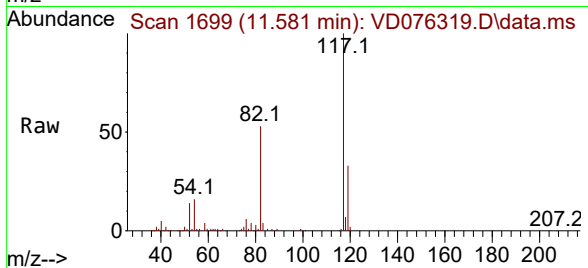
Tgt Ion:117 Resp: 268035

Ion Ratio Lower Upper

117 100

82 53.5 38.3 57.5

119 33.1 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: VD076319.D

Acq: 02 Jun 2023 18:05

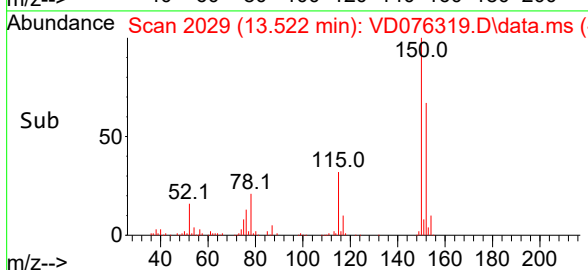
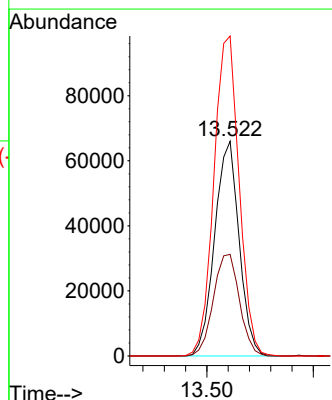
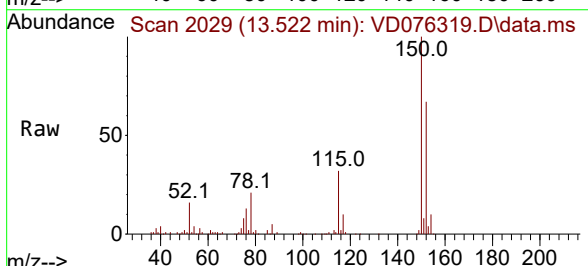
Tgt Ion:152 Resp: 105137

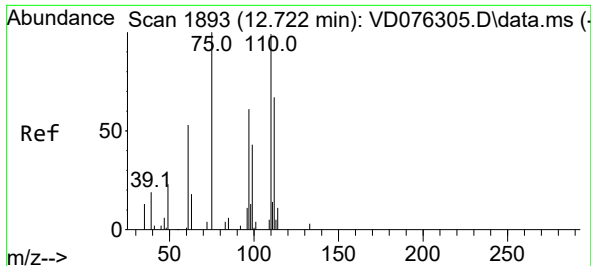
Ion Ratio Lower Upper

152 100

115 50.5 27.1 81.3

150 153.8 0.0 353.6

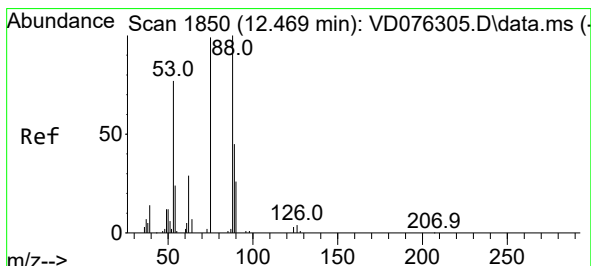
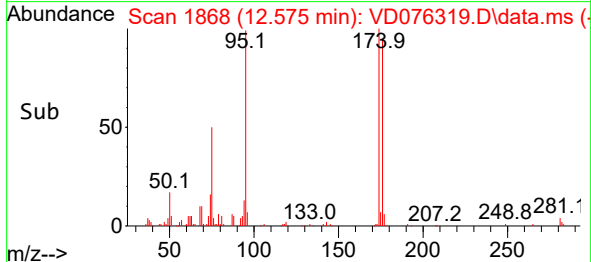
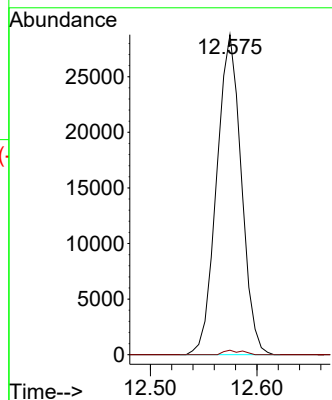
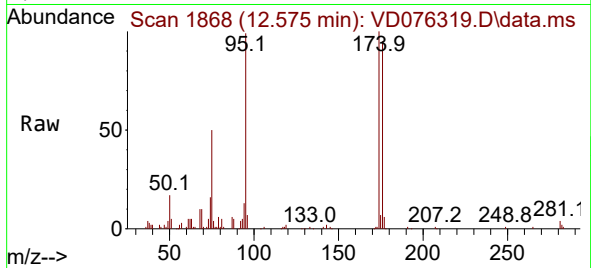




#76
1,2,3-Trichloropropane
Concen: 48.905 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076319.D
Acq: 02 Jun 2023 18:05

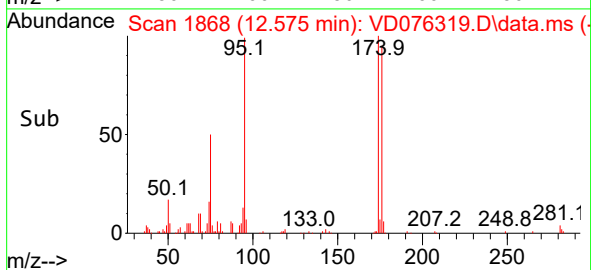
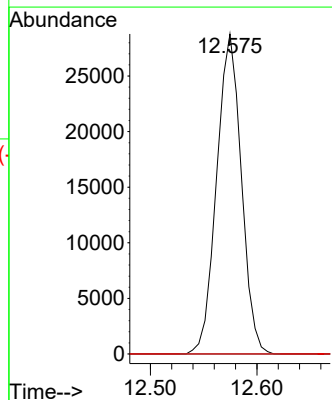
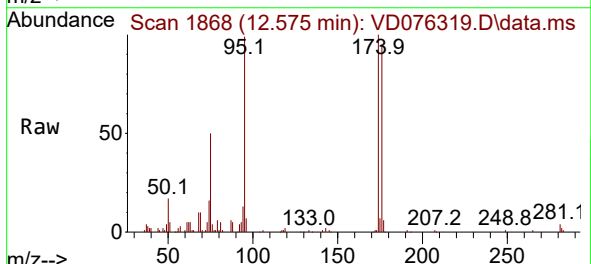
Instrument :
MSVOA_D
ClientSampleId :
TP-15-0A

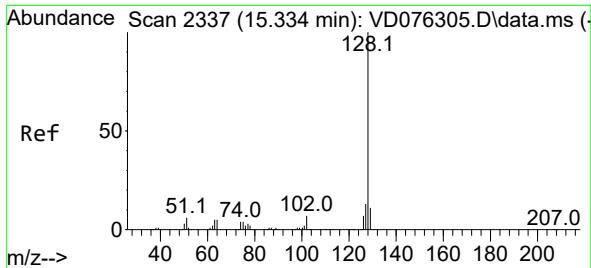
Tgt Ion: 75 Resp: 46257
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.184 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076319.D
Acq: 02 Jun 2023 18:05

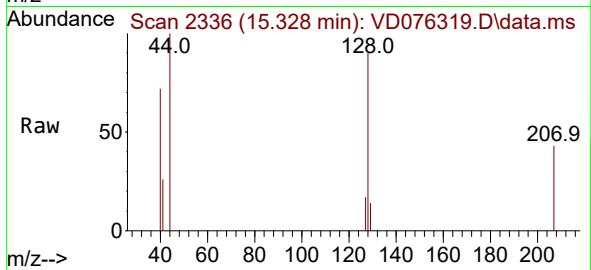
Tgt Ion: 75 Resp: 46257
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 4.179 ug/l
RT: 15.328 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD076319.D
Acq: 02 Jun 2023 18:05

Instrument :
MSVOA_D
ClientSampleId :
TP-15-0A



Tgt Ion:	128	Resp:	1946
Ion	Ratio	Lower	Upper
128	100		
127	3.5	10.5	15.7#
129	8.9	8.7	13.1

