

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011023\
 Data File : VD075097.D
 Acq On : 10 Jan 2023 10:48
 Operator : KP/SY
 Sample : VD0110SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBL01

Quant Time: Jan 11 01:46:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 10 03:36:33 2023
 Response via : Initial Calibration

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

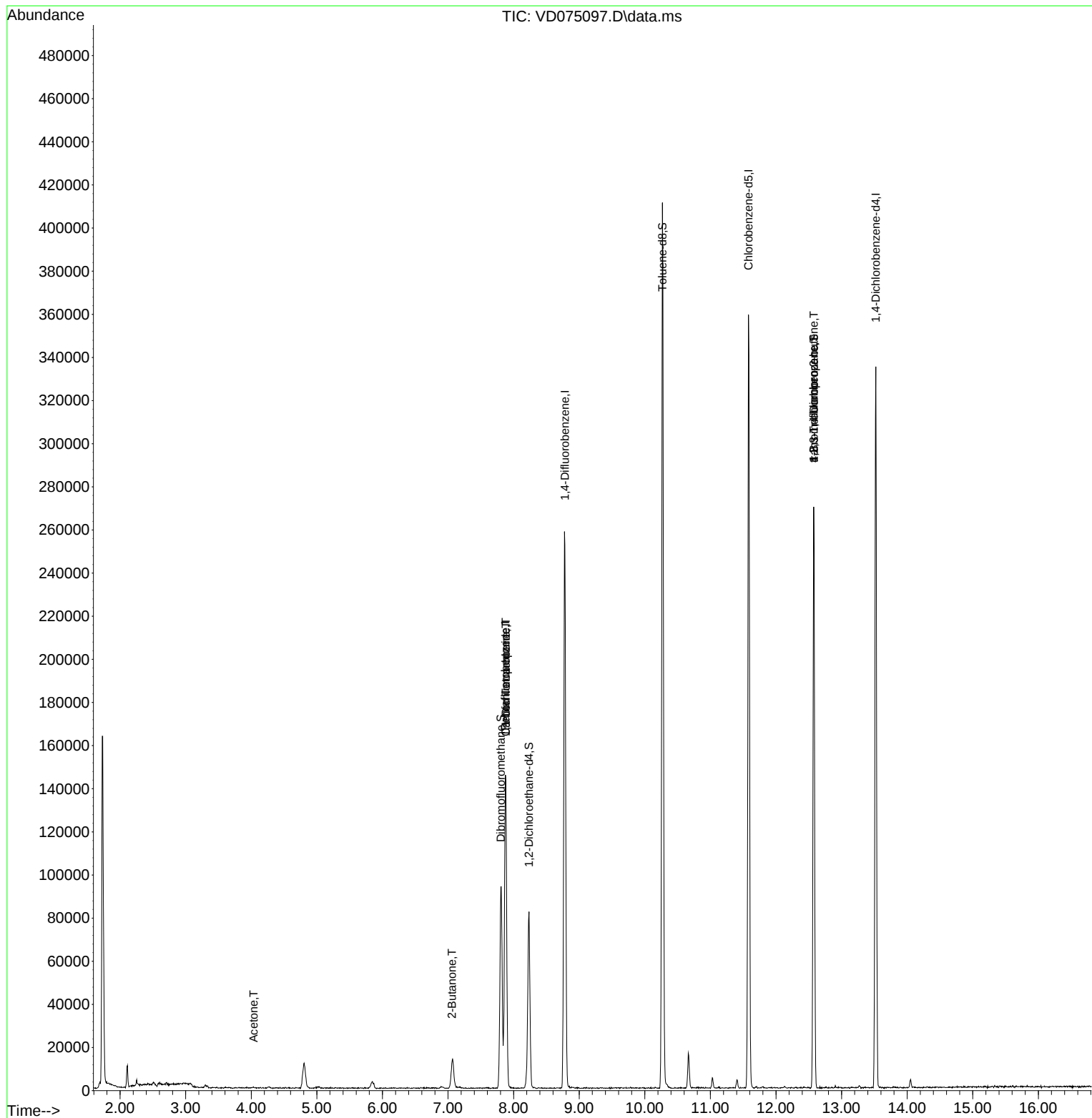
Internal Standards						
1) Pentafluorobenzene	7.875	168	114365	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	233055	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	204853	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	88501	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	62066	54.132	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.260%	
35) Dibromofluoromethane	7.805	113	69583	47.465	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.940%	
50) Toluene-d8	10.269	98	279075	48.012	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.020%	
62) 4-Bromofluorobenzene	12.575	95	87565	46.934	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.860%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	322	Below Cal	#	43
5) Bromomethane	2.711	94	264	Below Cal		100
11) Tert butyl alcohol	5.040	59	209	Below Cal	#	78
16) Acetone	4.034	43	907	3.339	ug/l #	39
17) Carbon Disulfide	4.275	76	960	Below Cal	#	78
20) Methylene Chloride	4.805	84	8556	Below Cal		97
25) 2-Butanone	7.058	43	434	1.206	ug/l #	47
31) Cyclohexane	7.869	56	2912	Below Cal	#	10
36) 1,1-Dichloropropene	7.881	75	9298	5.126	ug/l #	47
37) Ethyl Acetate	7.163	43	399	Below Cal	#	68
38) Carbon Tetrachloride	7.881	117	11211	7.055	ug/l #	17
76) 1,2,3-Trichloropropane	12.575	75	45513	53.896	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	45513	143.135	ug/l #	15

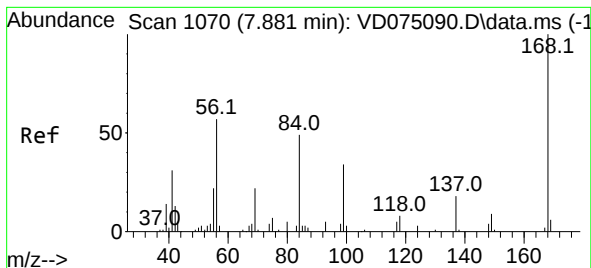
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD075097.D

Acq: 10 Jan 2023 10:48

Instrument :

MSVOA_D

ClientSampleId :

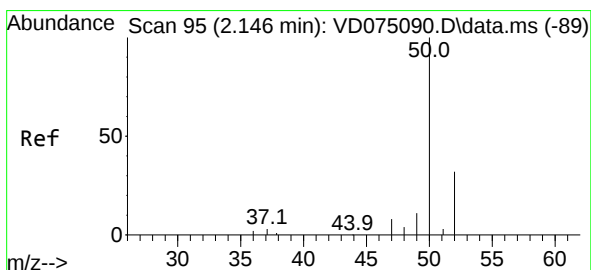
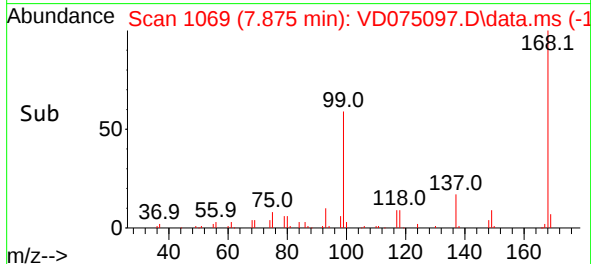
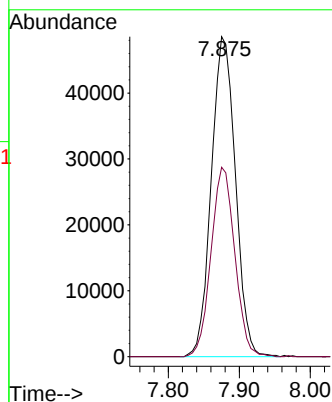
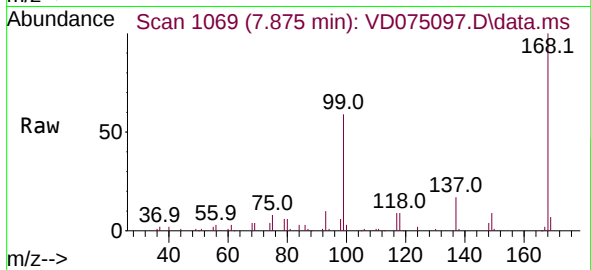
VD0110SBL01

Tgt Ion:168 Resp: 114365

Ion Ratio Lower Upper

168 100

99 59.2 43.2 64.8



#3

Chloromethane

Concen: Below Cal

RT: 2.146 min Scan# 95

Delta R.T. 0.000 min

Lab File: VD075097.D

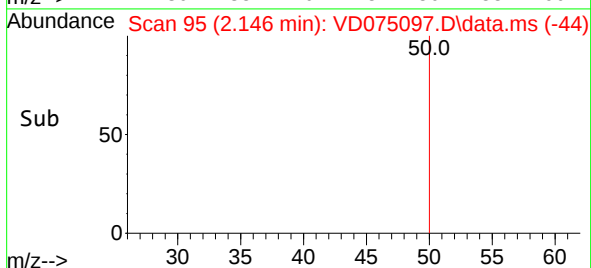
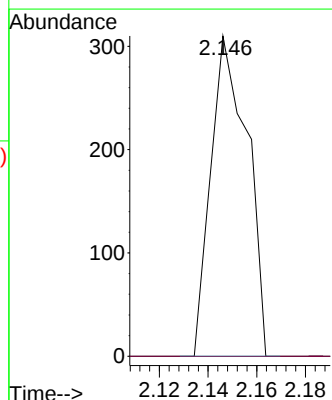
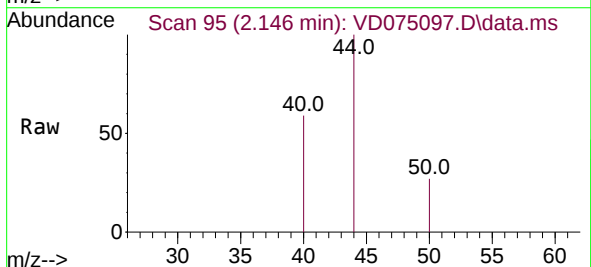
Acq: 10 Jan 2023 10:48

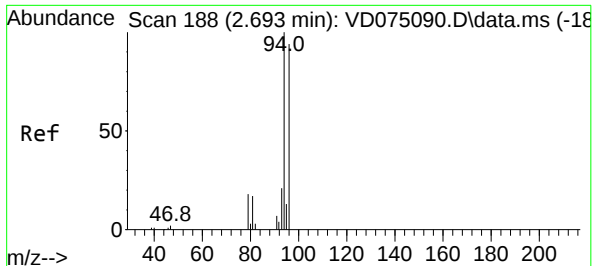
Tgt Ion: 50 Resp: 322

Ion Ratio Lower Upper

50 100

52 0.0 25.7 38.5#

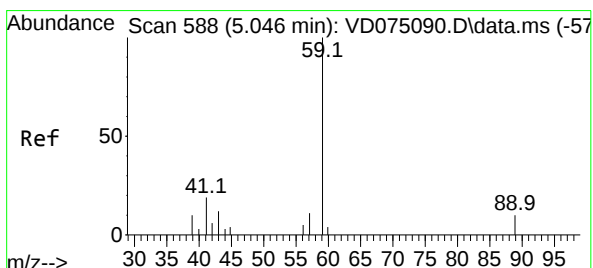
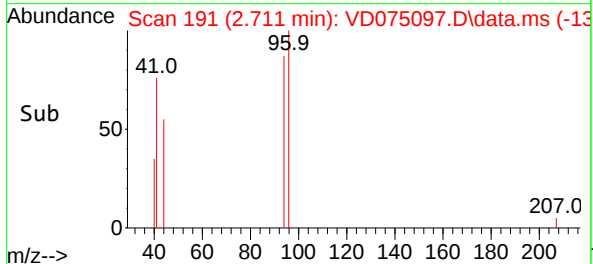
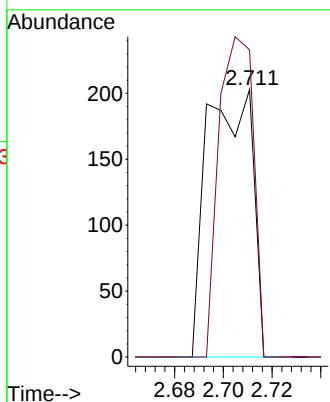
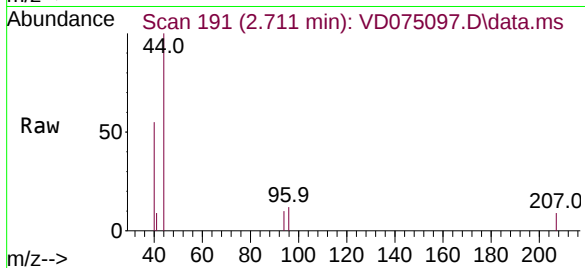




#5
Bromomethane
Concen: Below Cal
RT: 2.711 min Scan# 191
Delta R.T. 0.018 min
Lab File: VD075097.D
Acq: 10 Jan 2023 10:48

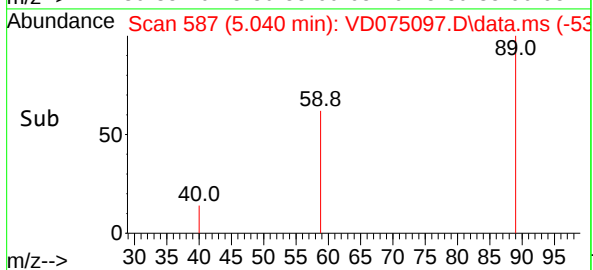
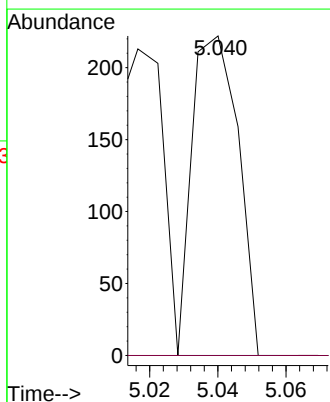
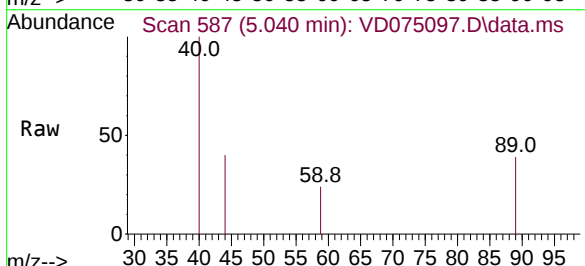
Instrument :
MSVOA_D
ClientSampleId :
VD0110SBL01

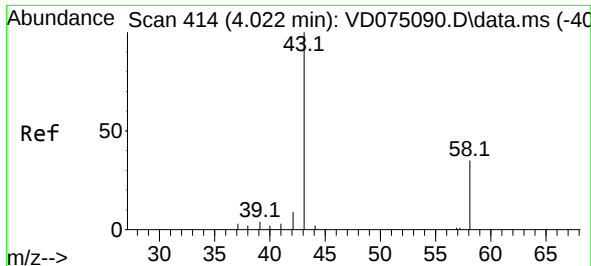
Tgt Ion: 94 Resp: 264
Ion Ratio Lower Upper
94 100
96 90.5 72.5 108.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.040 min Scan# 587
Delta R.T. -0.006 min
Lab File: VD075097.D
Acq: 10 Jan 2023 10:48

Tgt Ion: 59 Resp: 209
Ion Ratio Lower Upper
59 100
57 0.0 6.1 9.1#

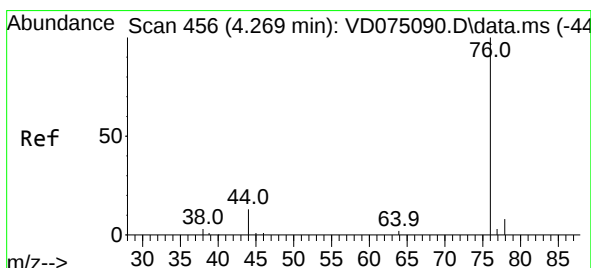
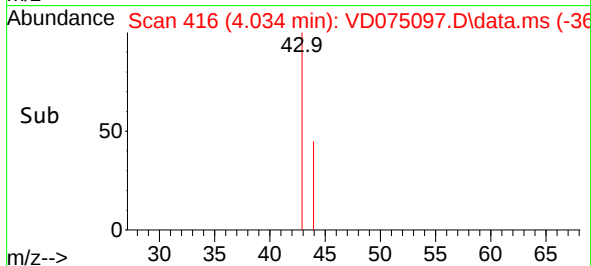
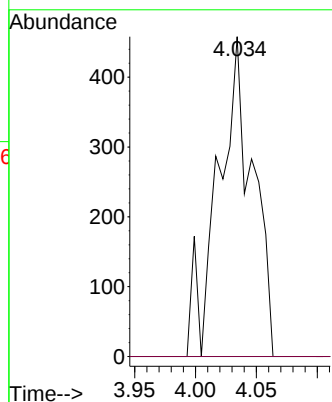
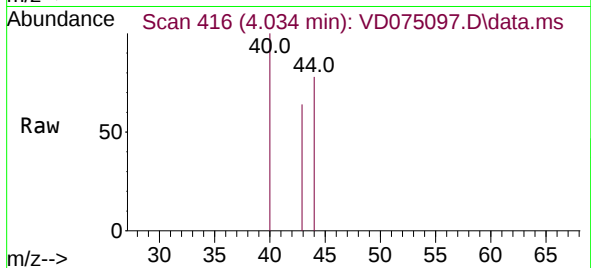




#16
Acetone
Concen: 3.339 ug/l
RT: 4.034 min Scan# 416
Delta R.T. 0.012 min
Lab File: VD075097.D
Acq: 10 Jan 2023 10:48

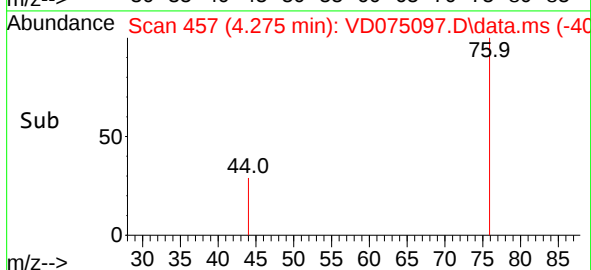
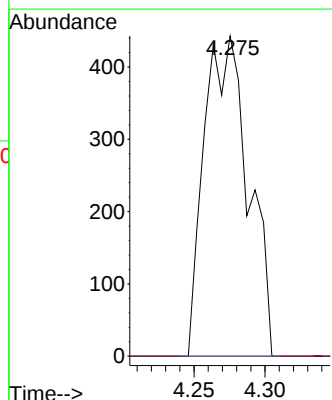
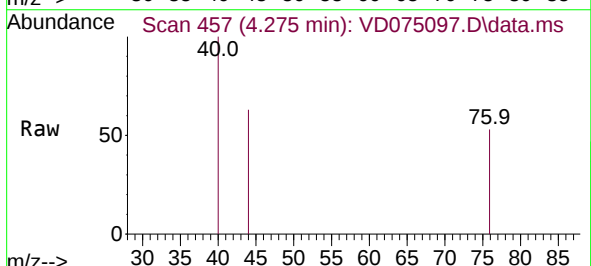
Instrument :
MSVOA_D
ClientSampleId :
VD0110SBL01

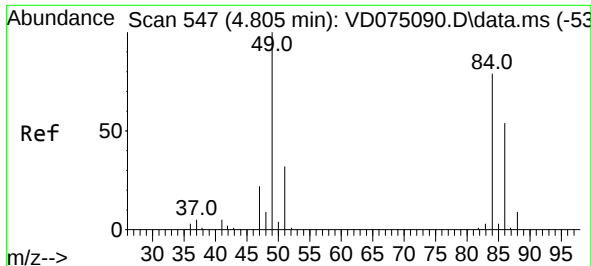
Tgt Ion: 43 Resp: 907
Ion Ratio Lower Upper
43 100
58 0.0 28.3 42.5#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.275 min Scan# 457
Delta R.T. 0.006 min
Lab File: VD075097.D
Acq: 10 Jan 2023 10:48

Tgt Ion: 76 Resp: 960
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#

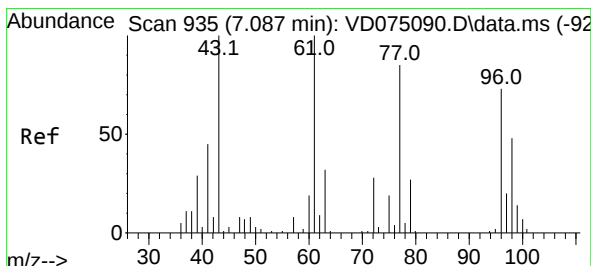
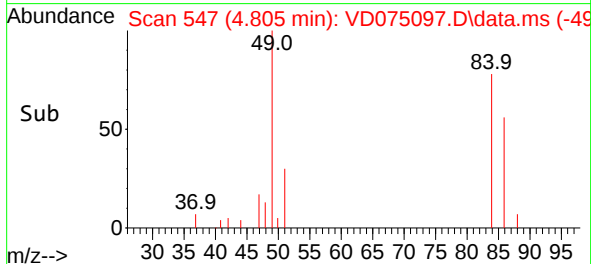
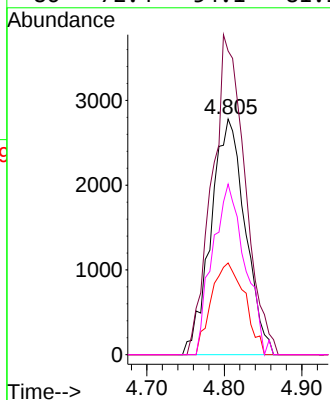
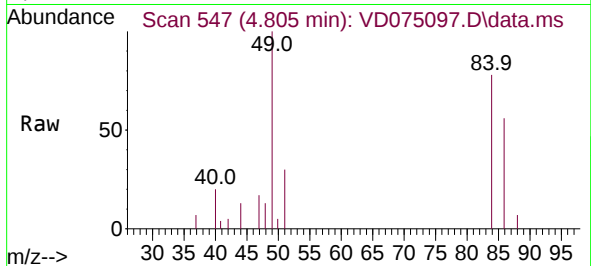




#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 54
Delta R.T. -0.000 min
Lab File: VD075097.D
Acq: 10 Jan 2023 10:48

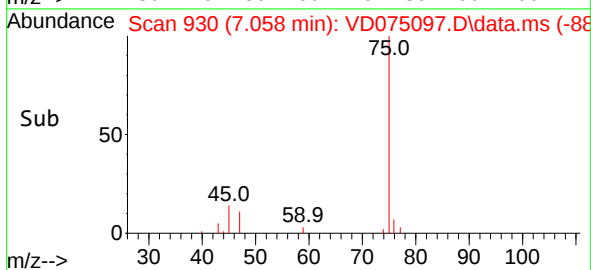
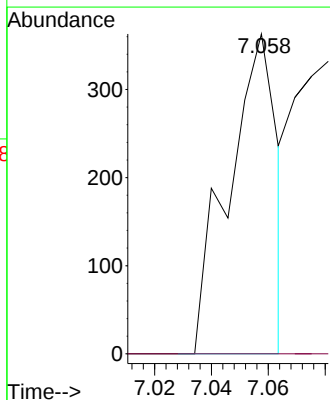
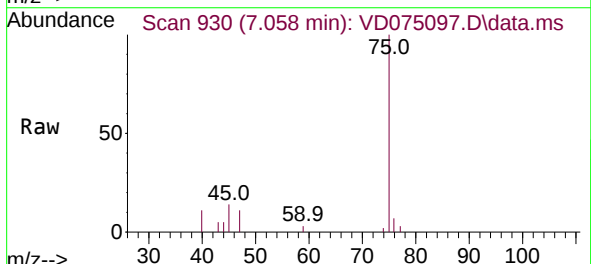
Instrument :
MSVOA_D
ClientSampleId :
VD0110SBL01

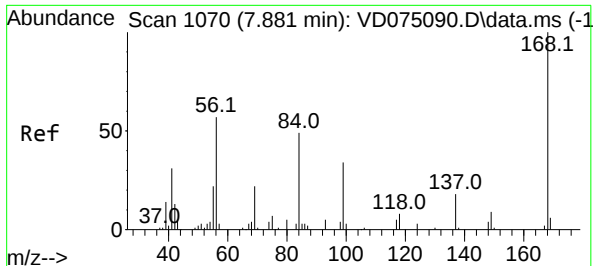
Tgt Ion: 84	Resp: 8556
Ion Ratio	Lower Upper
84 100	
49 128.8	100.6 151.0
51 38.9	31.8 47.8
86 72.4	54.1 81.1



#25
2-Butanone
Concen: 1.206 ug/l
RT: 7.058 min Scan# 930
Delta R.T. -0.029 min
Lab File: VD075097.D
Acq: 10 Jan 2023 10:48

Tgt Ion: 43	Resp: 434
Ion Ratio	Lower Upper
43 100	
72 0.0	22.6 33.8#





#31

Cyclohexane

Concen: Below Cal

RT: 7.869 min Scan# 1

Delta R.T. -0.012 min

Lab File: VD075097.D

Acq: 10 Jan 2023 10:48

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBL01

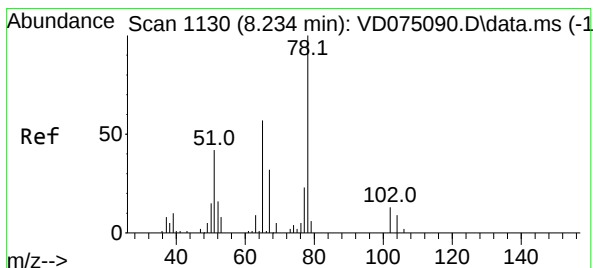
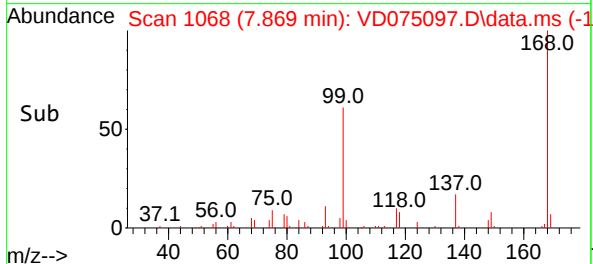
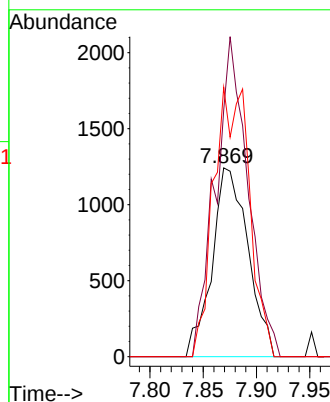
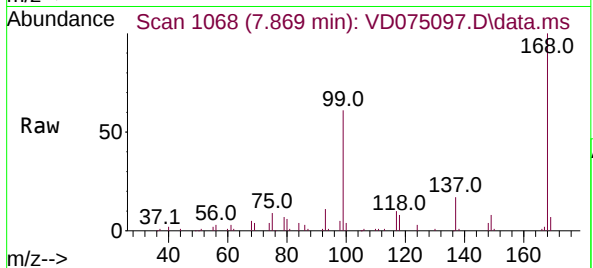
Tgt Ion: 56 Resp: 2912

Ion Ratio Lower Upper

56 100

69 130.7 30.4 45.6#

84 142.6 68.6 102.8#



#33

1,2-Dichloroethane-d4

Concen: 54.132 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD075097.D

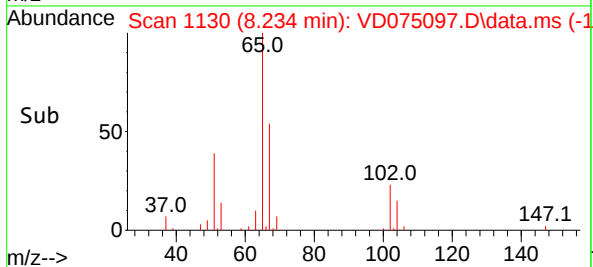
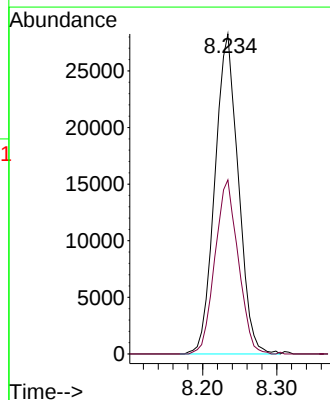
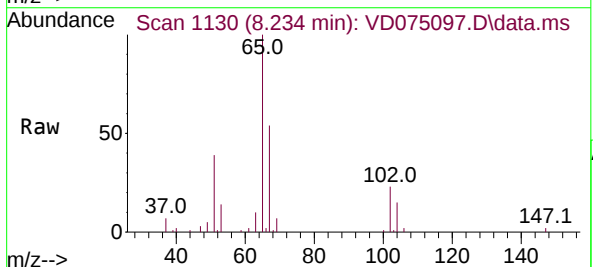
Acq: 10 Jan 2023 10:48

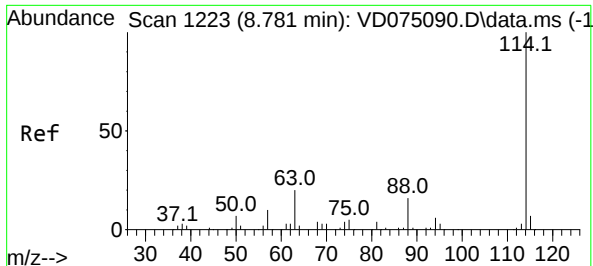
Tgt Ion: 65 Resp: 62066

Ion Ratio Lower Upper

65 100

67 54.0 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD075097.D

Acq: 10 Jan 2023 10:48

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBL01

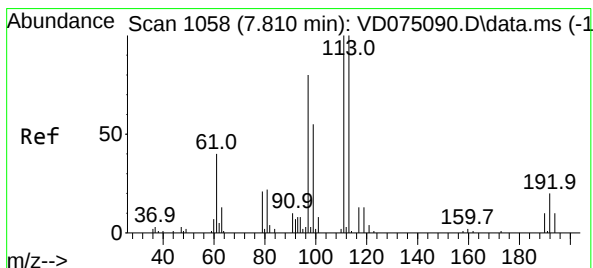
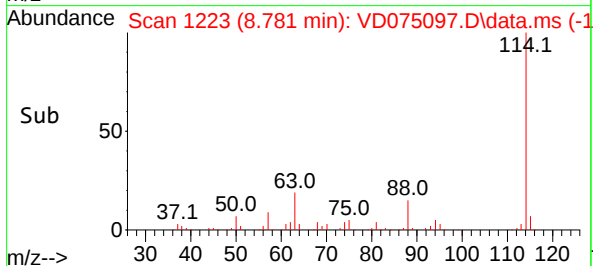
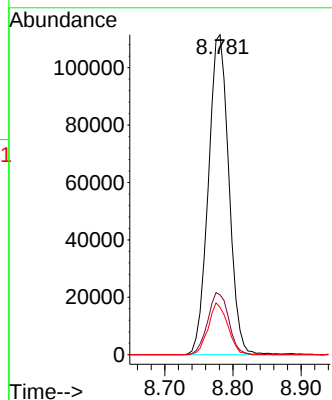
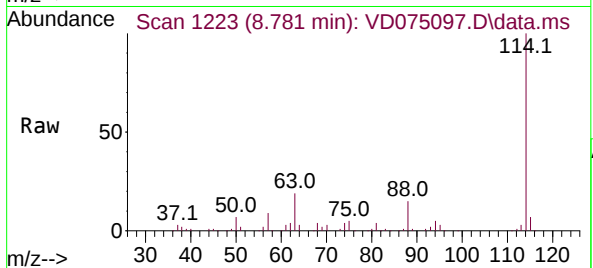
Tgt Ion:114 Resp: 233055

Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.0

88 14.8 0.0 31.2



#35

Dibromofluoromethane

Concen: 47.465 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD075097.D

Acq: 10 Jan 2023 10:48

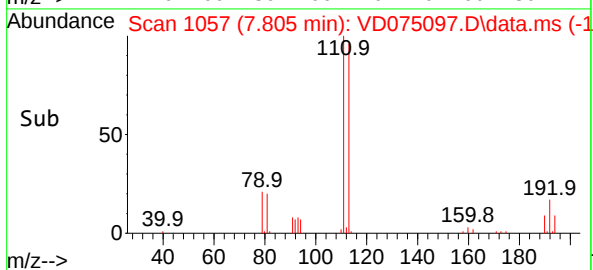
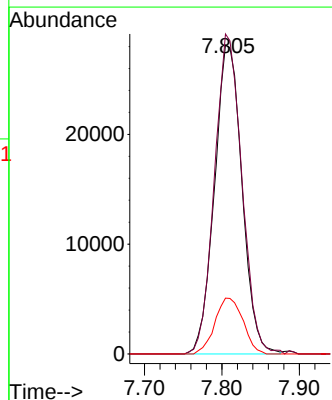
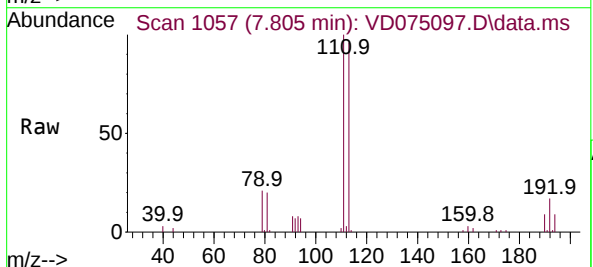
Tgt Ion:113 Resp: 69583

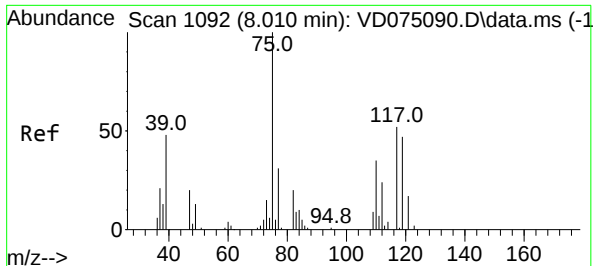
Ion Ratio Lower Upper

113 100

111 102.9 83.2 124.8

192 18.5 15.0 22.6





#36

1,1-Dichloropropene

Concen: 5.126 ug/l

RT: 7.881 min Scan# 1092

Delta R.T. -0.129 min

Lab File: VD075097.D

Acq: 10 Jan 2023 10:48

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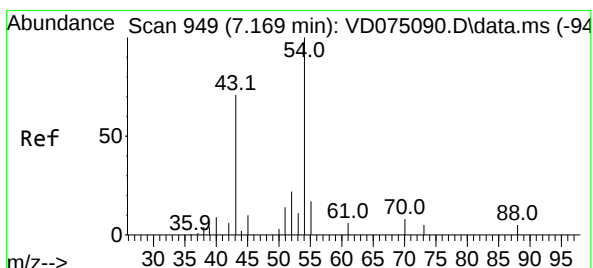
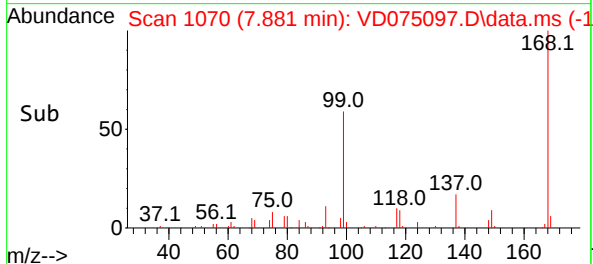
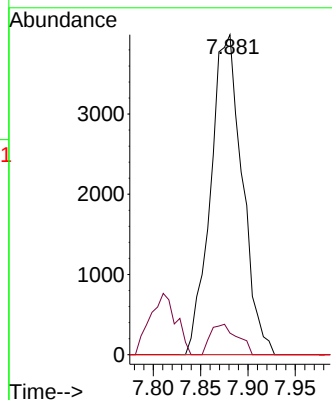
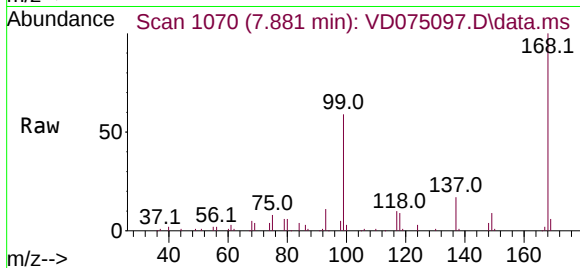
Tgt Ion: 75 Resp: 9298

Ion Ratio Lower Upper

75 100

110 8.1 18.8 56.3#

77 0.0 25.3 37.9#



#37

Ethyl Acetate

Concen: Below Cal

RT: 7.163 min Scan# 948

Delta R.T. -0.006 min

Lab File: VD075097.D

Acq: 10 Jan 2023 10:48

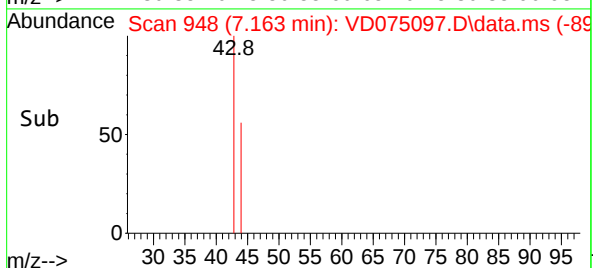
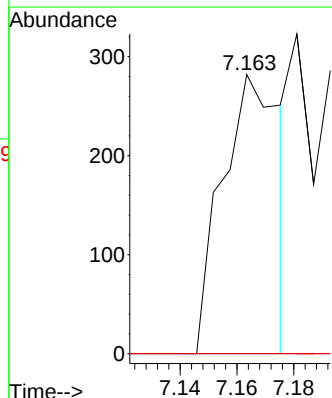
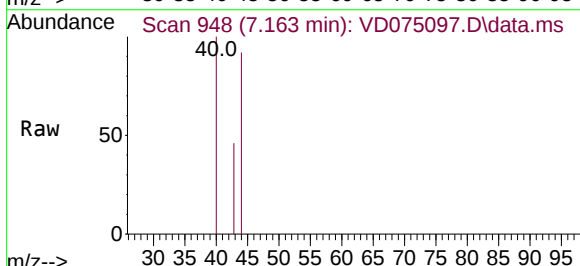
Tgt Ion: 43 Resp: 399

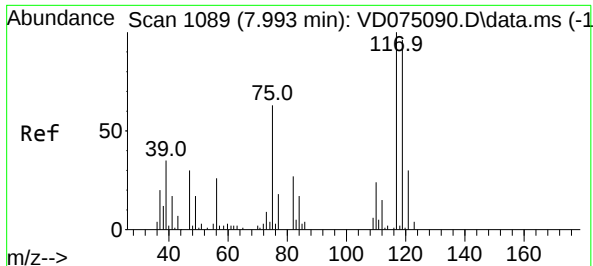
Ion Ratio Lower Upper

43 100

61 0.0 11.4 17.2#

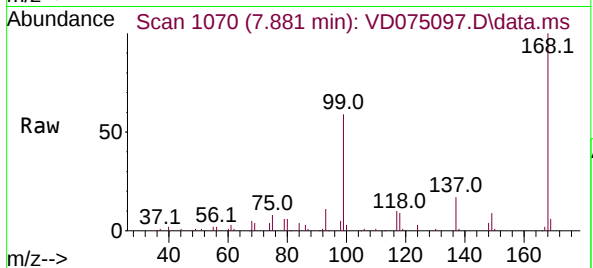
70 0.0 8.4 12.6#



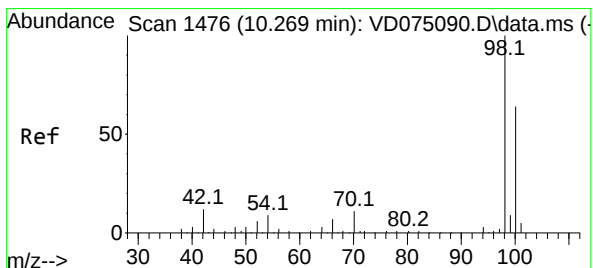
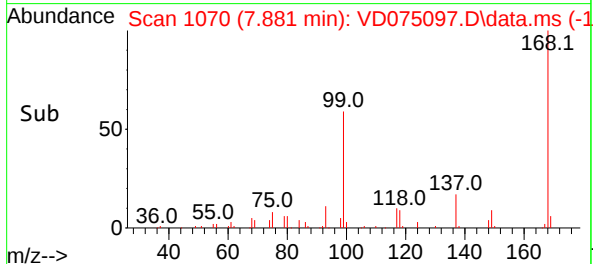
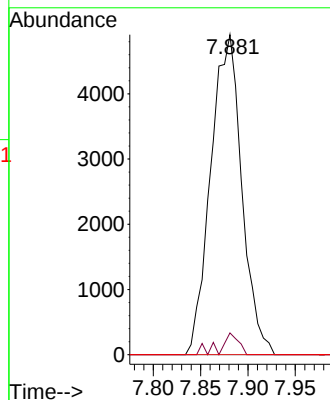


#38
Carbon Tetrachloride
Concen: 7.055 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD075097.D
Acq: 10 Jan 2023 10:48

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBL01

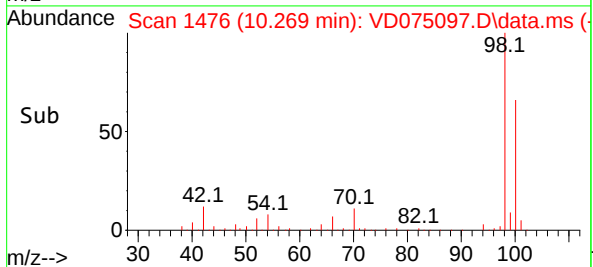
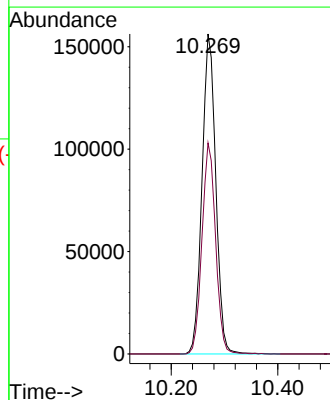
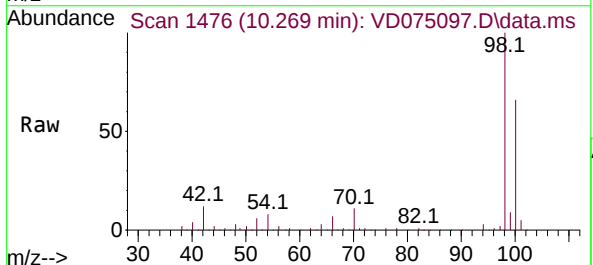


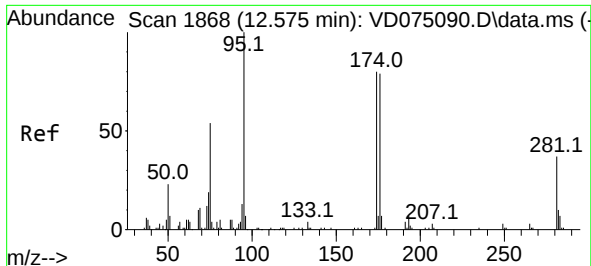
Tgt Ion:117 Resp: 11211
Ion Ratio Lower Upper
117 100
119 6.8 76.8 115.2#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 48.012 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075097.D
Acq: 10 Jan 2023 10:48

Tgt Ion: 98 Resp: 279075
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6

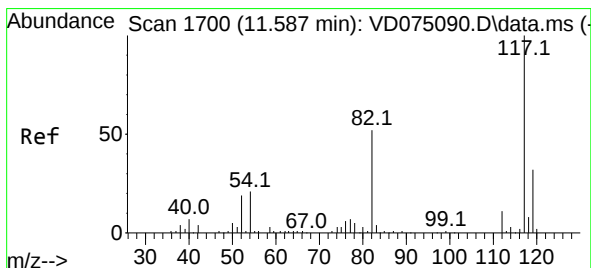
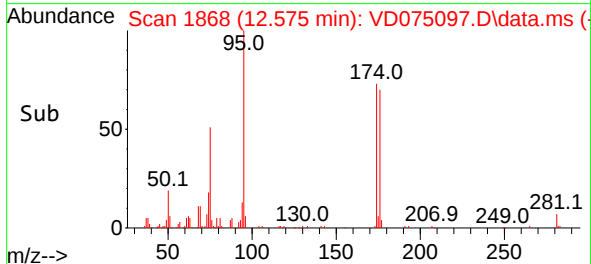
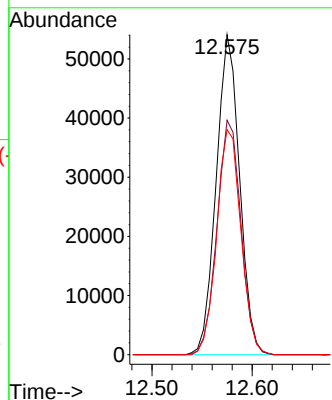
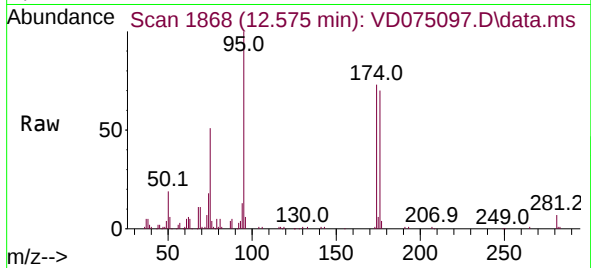




#62
4-Bromofluorobenzene
Concen: 46.934 ug/l
RT: 12.575 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VD075097.D
Acq: 10 Jan 2023 10:48

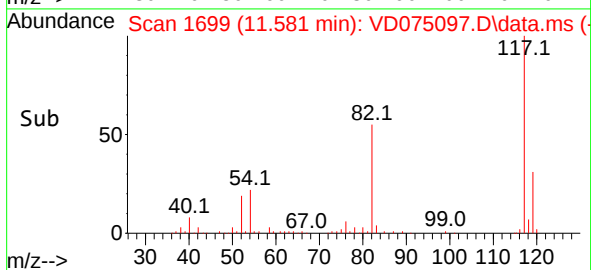
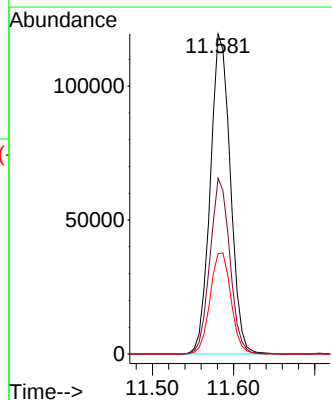
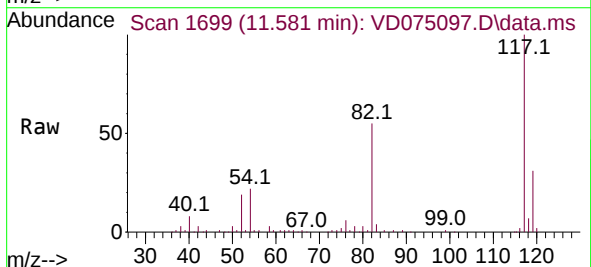
Instrument :
MSVOA_D
ClientSampleId :
VD0110SBL01

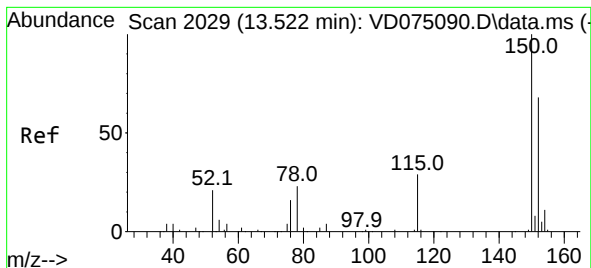
Tgt Ion: 95 Resp: 87565
Ion Ratio Lower Upper
95 100
174 75.0 0.0 168.4
176 72.8 0.0 163.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD075097.D
Acq: 10 Jan 2023 10:48

Tgt Ion: 117 Resp: 204853
Ion Ratio Lower Upper
117 100
82 54.9 41.3 61.9
119 31.3 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD075097.D

Acq: 10 Jan 2023 10:48

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBL01

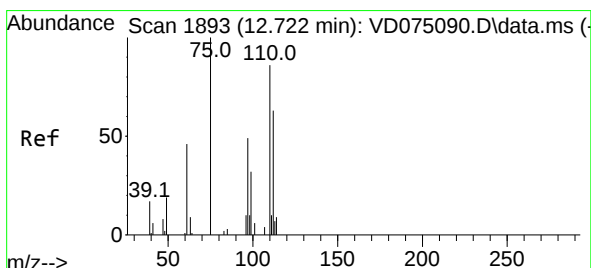
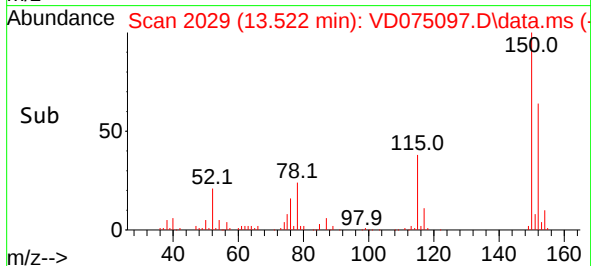
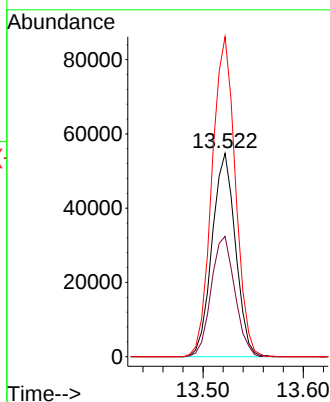
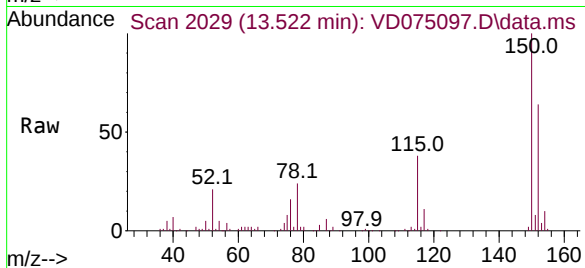
Tgt Ion:152 Resp: 88501

Ion Ratio Lower Upper

152 100

115 60.1 28.7 86.1

150 157.7 0.0 343.2



#76

1,2,3-Trichloropropane

Concen: 53.896 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD075097.D

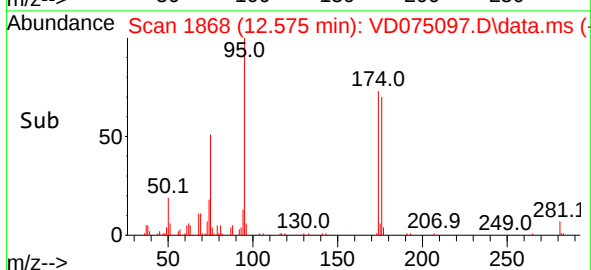
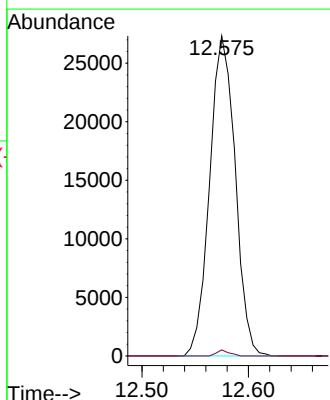
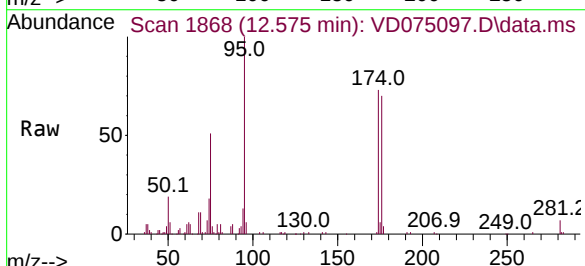
Acq: 10 Jan 2023 10:48

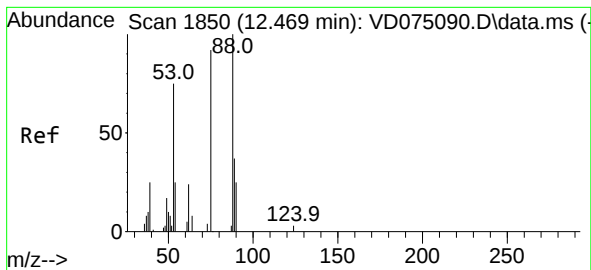
Tgt Ion: 75 Resp: 45513

Ion Ratio Lower Upper

75 100

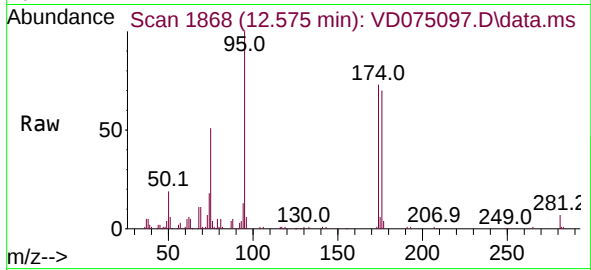
77 0.9 149.0 447.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 143.135 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD075097.D
 Acq: 10 Jan 2023 10:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBL01



Tgt Ion: 75 Resp: 45513
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.6 103.0#
 89 0.0 33.4 50.0#

