

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051624\
 Data File : VD078939.D
 Acq On : 16 May 2024 10:25
 Operator : RP/MD
 Sample : VD0516SBL01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBL01

Quant Time: May 17 06:07:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051324S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 14 06:21:28 2024
 Response via : Initial Calibration

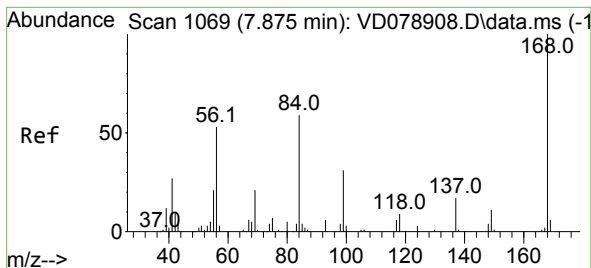
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.881	168	112147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	257424	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	253218	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	115357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	70449	66.971	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.940%	
35) Dibromofluoromethane	7.805	113	89522	52.242	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.480%	
50) Toluene-d8	10.269	98	335189	52.178	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.360%	
62) 4-Bromofluorobenzene	12.575	95	87445	48.455	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.920%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	400	Below Cal	#	40
4) Vinyl Chloride	2.181	62	55	Below Cal	#	42
17) Carbon Disulfide	4.269	76	1264	Below Cal	#	76
20) Methylene Chloride	4.811	84	6101	Below Cal	#	82
31) Cyclohexane	7.875	56	1851	1.204	ug/l #	34
36) 1,1-Dichloropropene	7.875	75	8500	3.986	ug/l #	49
38) Carbon Tetrachloride	7.875	117	10169	4.075	ug/l #	16
51) 4-Methyl-2-Pentanone	10.257	43	1089	1.586	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	44129	54.338	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	44129	107.754	ug/l #	19

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

Quant Time: May 17 06:07:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051324S.M
Quant Title : SW846 8260
QLast Update : Tue May 14 06:21:28 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 10

Delta R.T. 0.006 min

Lab File: VD078939.D

Acq: 16 May 2024 10:25

Instrument :

MSVOA_D

ClientSampleId :

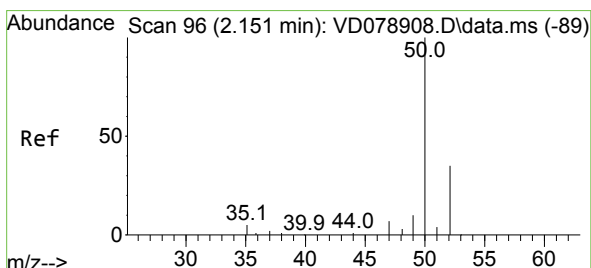
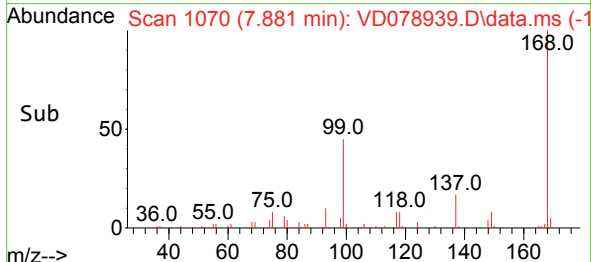
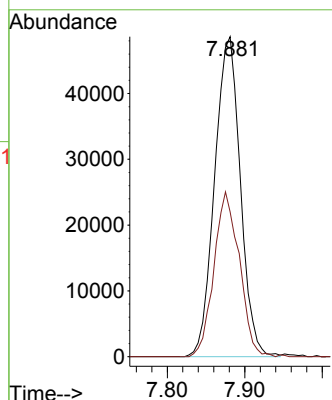
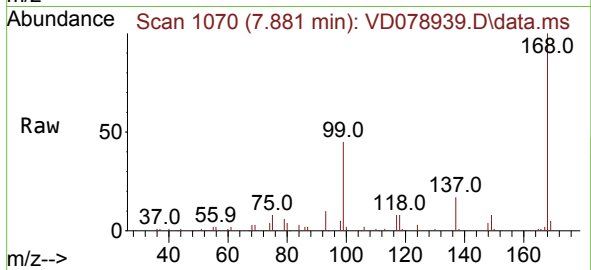
VD0516SBL01

Tgt Ion:168 Resp: 112147

Ion Ratio Lower Upper

168 100

99 45.2 41.1 61.7



#3

Chloromethane

Concen: Below Cal

RT: 2.146 min Scan# 95

Delta R.T. -0.005 min

Lab File: VD078939.D

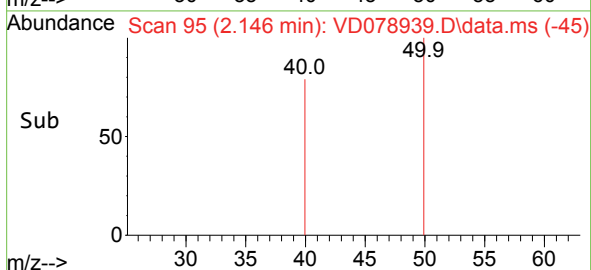
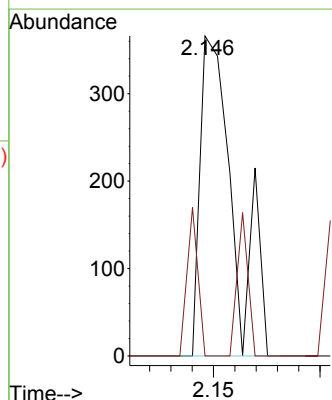
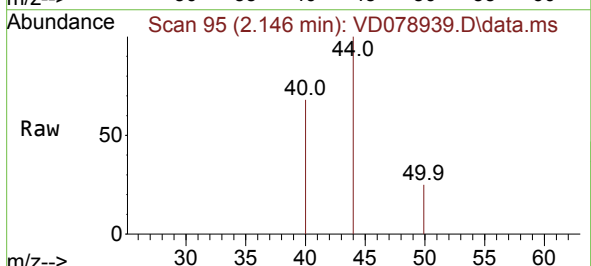
Acq: 16 May 2024 10:25

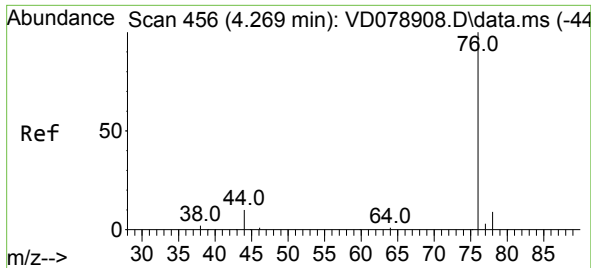
Tgt Ion: 50 Resp: 400

Ion Ratio Lower Upper

50 100

52 0.0 28.2 42.2#

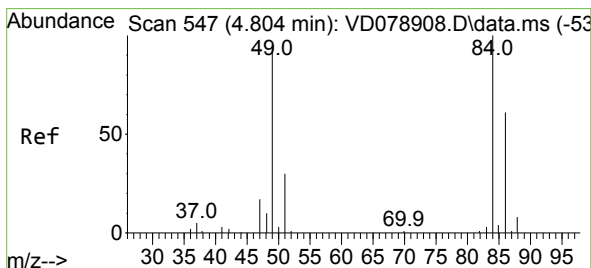
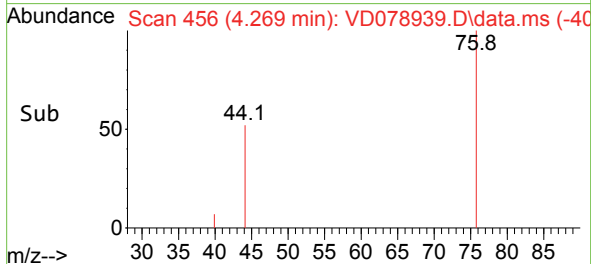
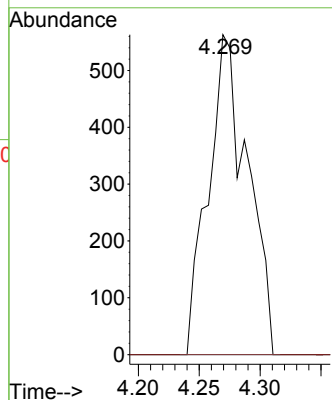
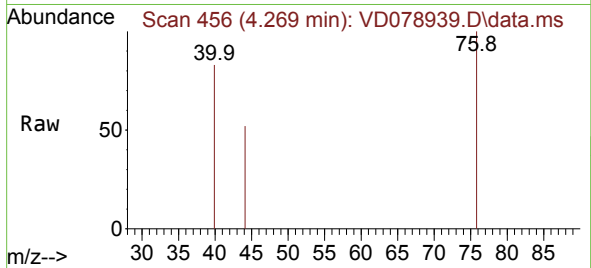




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.269 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD078939.D
Acq: 16 May 2024 10:25

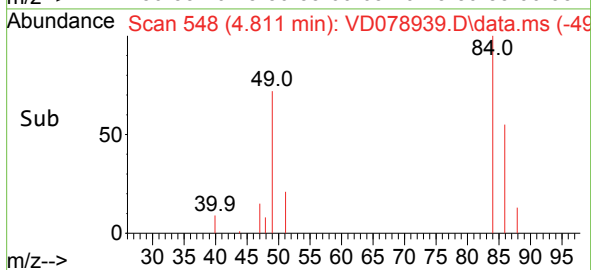
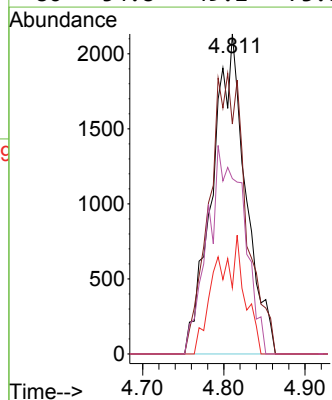
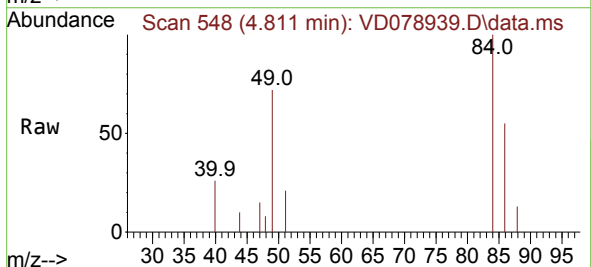
Instrument :
MSVOA_D
ClientSampleId :
VD0516SBL01

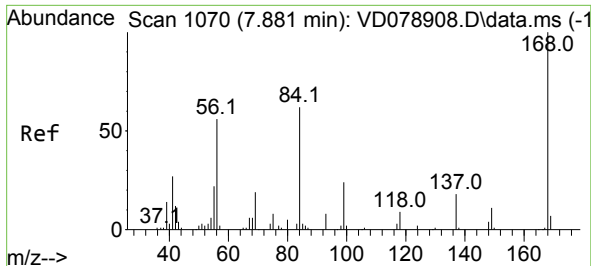
Tgt Ion: 76 Resp: 1264
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 548
Delta R.T. 0.007 min
Lab File: VD078939.D
Acq: 16 May 2024 10:25

Tgt Ion: 84 Resp: 6101
Ion Ratio Lower Upper
84 100
49 71.9 75.6 113.4#
51 20.6 24.2 36.2#
86 54.8 49.2 73.8

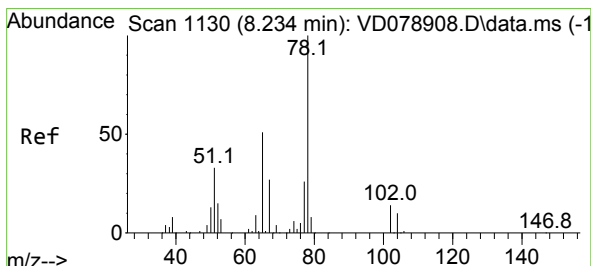
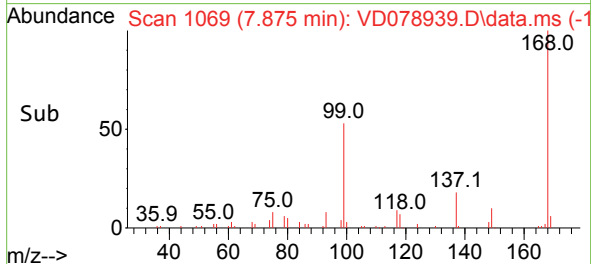
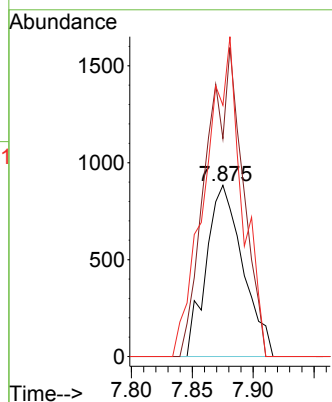
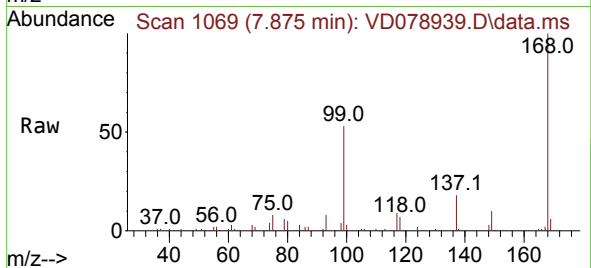




#31
Cyclohexane
Concen: 1.204 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078939.D
Acq: 16 May 2024 10:25

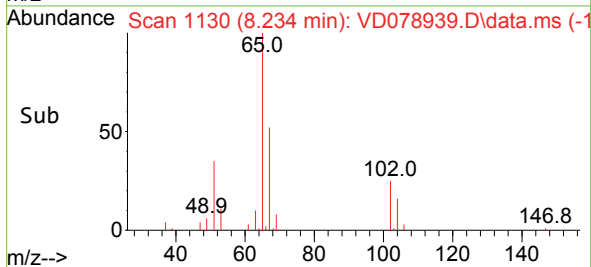
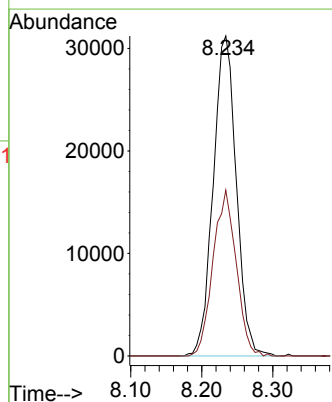
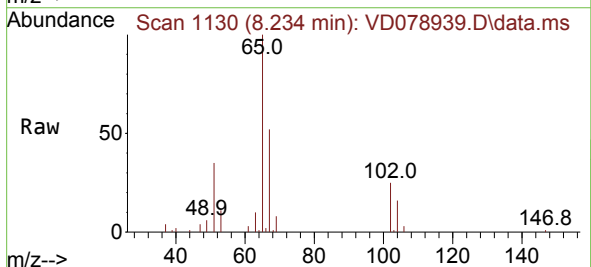
Instrument :
MSVOA_D
ClientSampleId :
VD0516SBL01

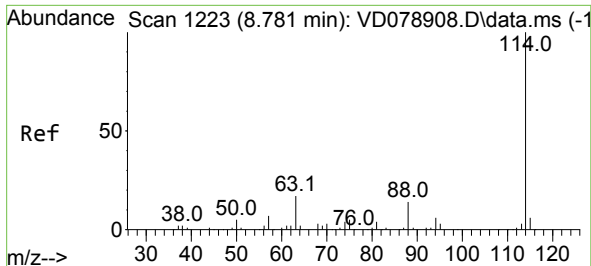
Tgt Ion: 56 Resp: 1851
Ion Ratio Lower Upper
56 100
69 127.3 28.0 42.0#
84 146.8 87.4 131.0#



#33
1,2-Dichloroethane-d4
Concen: 66.971 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD078939.D
Acq: 16 May 2024 10:25

Tgt Ion: 65 Resp: 70449
Ion Ratio Lower Upper
65 100
67 52.0 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078939.D

Acq: 16 May 2024 10:25

Instrument :

MSVOA_D

ClientSampleId :

VD0516SBL01

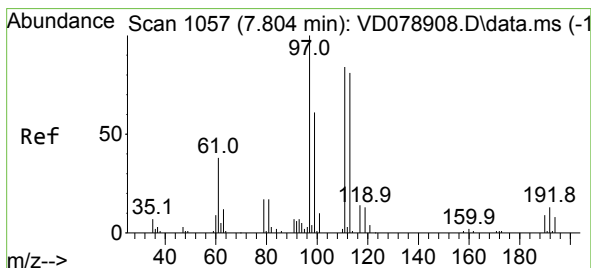
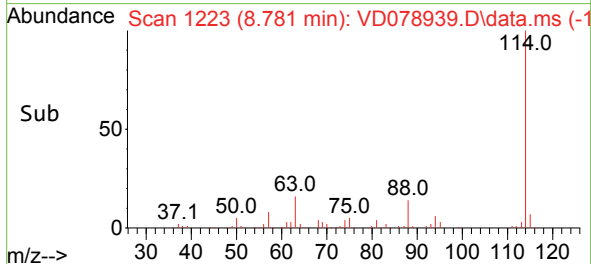
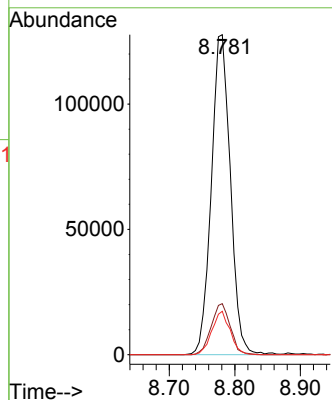
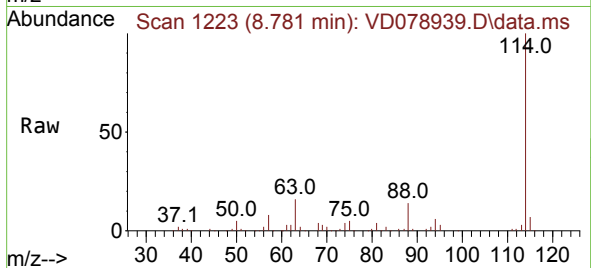
Tgt Ion:114 Resp: 257424

Ion Ratio Lower Upper

114 100

63 15.9 0.0 34.0

88 13.5 0.0 27.2



#35

Dibromofluoromethane

Concen: 52.242 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD078939.D

Acq: 16 May 2024 10:25

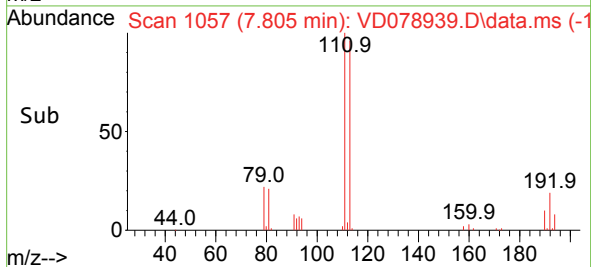
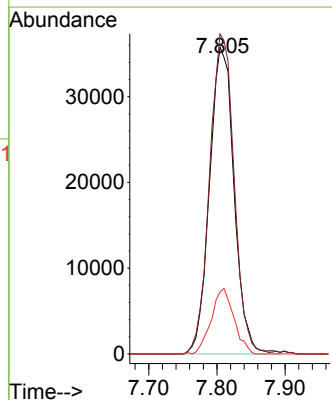
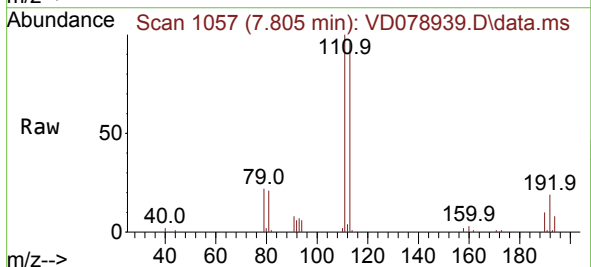
Tgt Ion:113 Resp: 89522

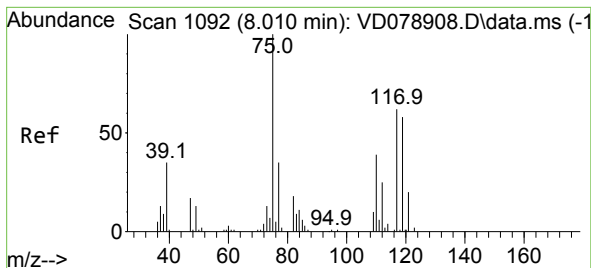
Ion Ratio Lower Upper

113 100

111 104.0 84.0 126.0

192 19.8 15.4 23.0





#36

1,1-Dichloropropene

Concen: 3.986 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD078939.D

Acq: 16 May 2024 10:25

Instrument :

MSVOA_D

ClientSampleId :

VD0516SBL01

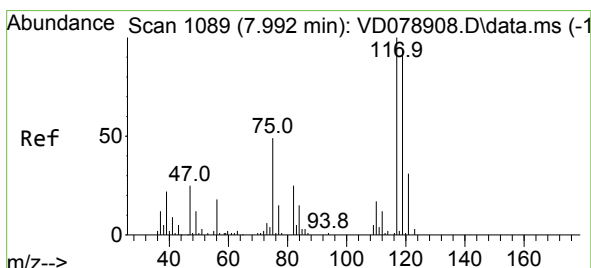
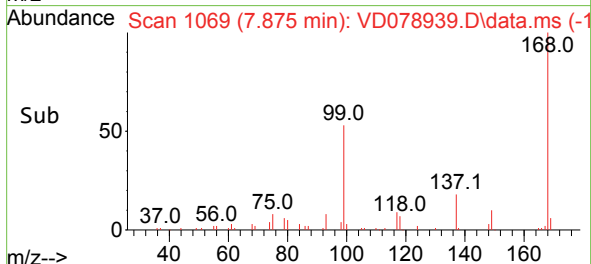
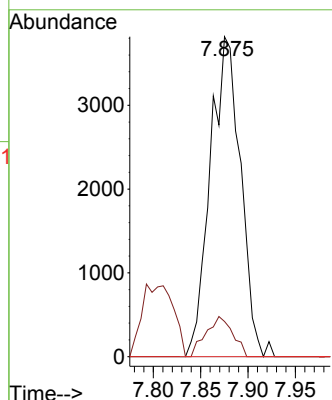
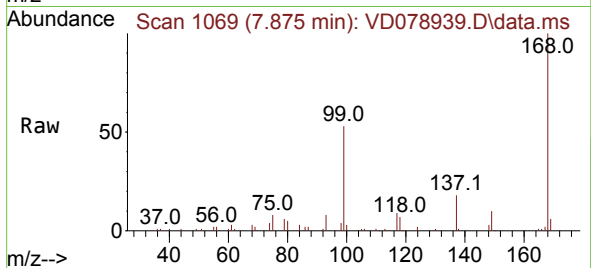
Tgt Ion: 75 Resp: 8500

Ion Ratio Lower Upper

75 100

110 11.1 19.6 58.7#

77 0.0 26.1 39.1#



#38

Carbon Tetrachloride

Concen: 4.075 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.117 min

Lab File: VD078939.D

Acq: 16 May 2024 10:25

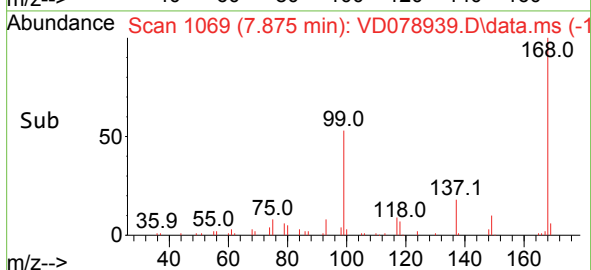
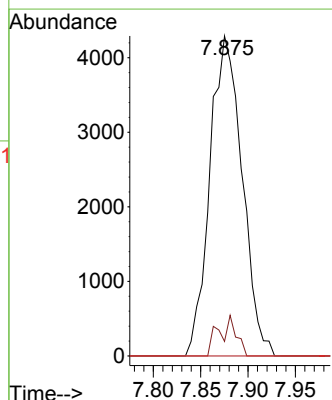
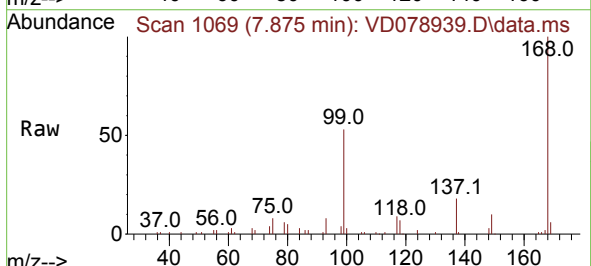
Tgt Ion: 117 Resp: 10169

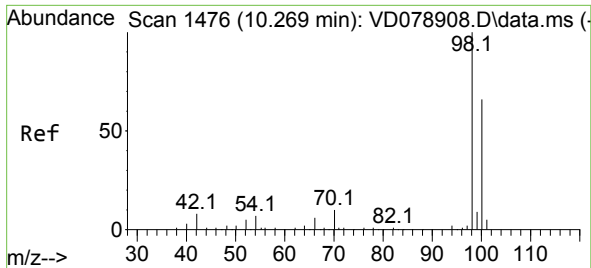
Ion Ratio Lower Upper

117 100

119 4.6 75.4 113.0#

121 0.0 25.0 37.4#

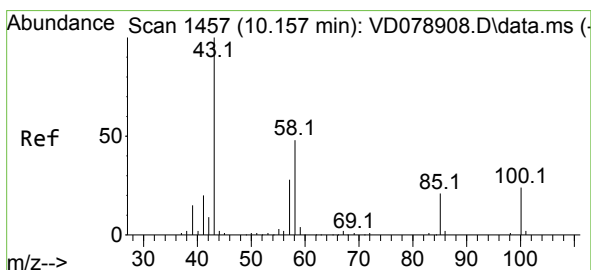
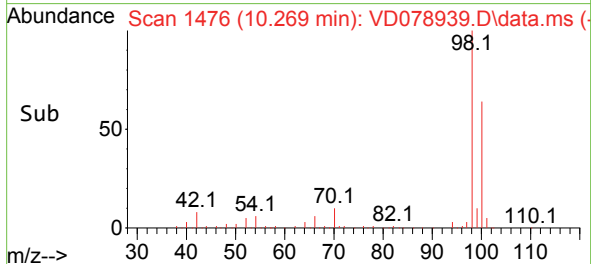
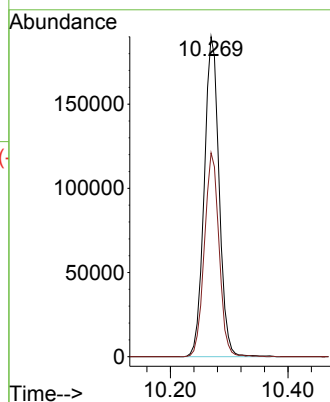
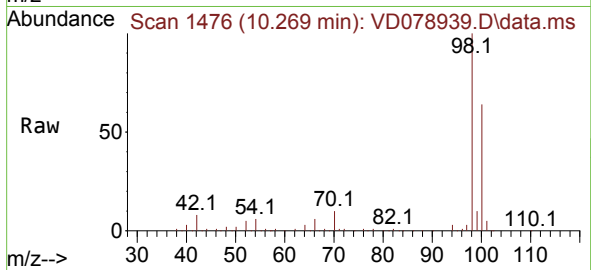




#50
Toluene-d8
Concen: 52.178 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078939.D
Acq: 16 May 2024 10:25

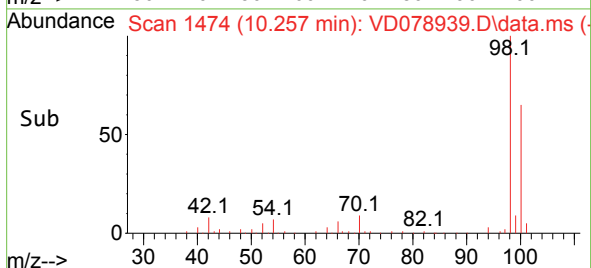
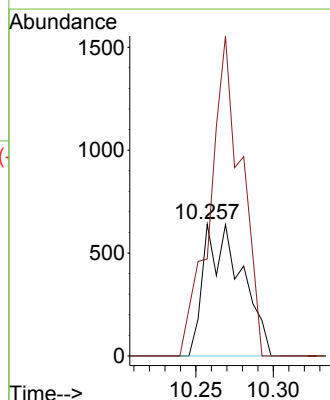
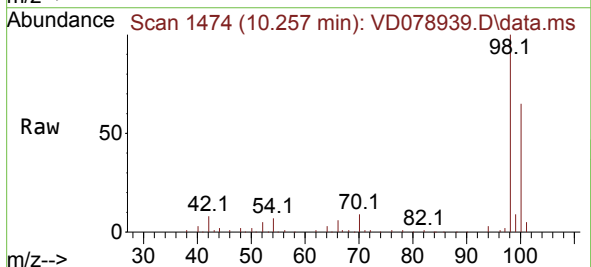
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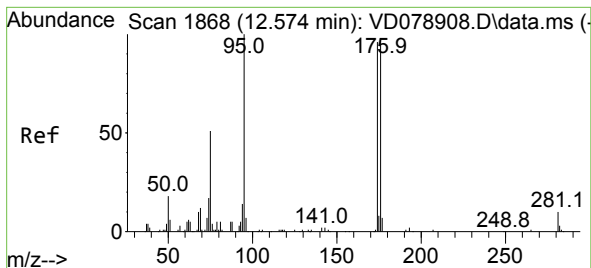
Tgt Ion: 98 Resp: 335189
Ion Ratio Lower Upper
98 100
100 62.7 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.586 ug/l
RT: 10.257 min Scan# 1474
Delta R.T. 0.100 min
Lab File: VD078939.D
Acq: 16 May 2024 10:25

Tgt Ion: 43 Resp: 1089
Ion Ratio Lower Upper
43 100
58 200.9 36.6 55.0#

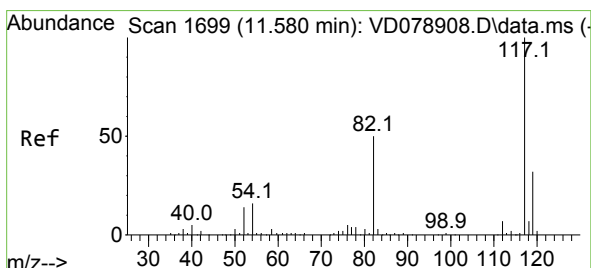
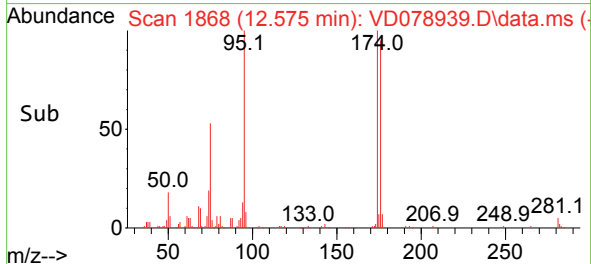
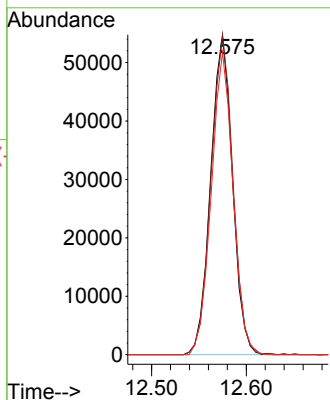
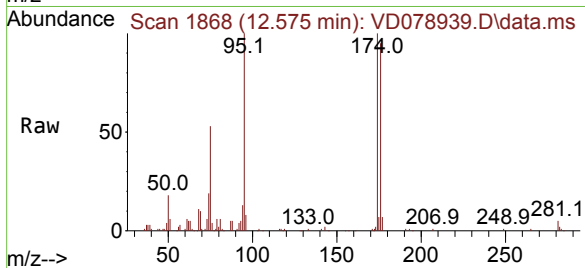




#62
4-Bromofluorobenzene
Concen: 48.455 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078939.D
Acq: 16 May 2024 10:25

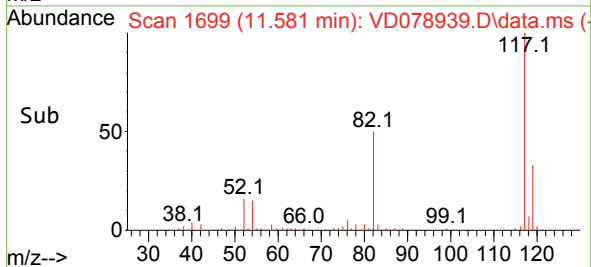
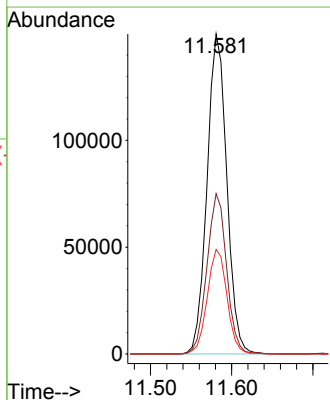
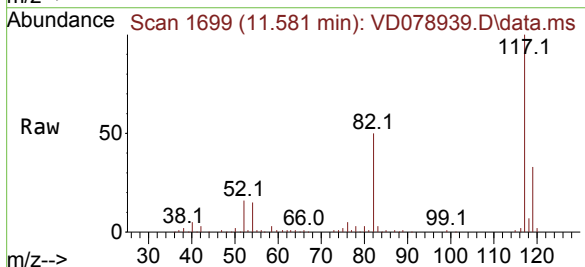
Instrument :
MSVOA_D
ClientSampleId :
VD0516SBL01

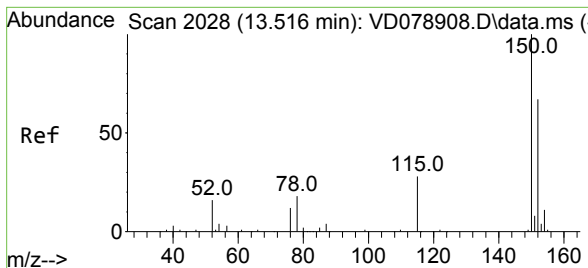
Tgt Ion: 95 Resp: 87445
Ion Ratio Lower Upper
95 100
174 100.5 0.0 195.4
176 94.4 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD078939.D
Acq: 16 May 2024 10:25

Tgt Ion: 117 Resp: 253218
Ion Ratio Lower Upper
117 100
82 50.1 39.8 59.6
119 32.7 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD078939.D

Acq: 16 May 2024 10:25

Instrument :

MSVOA_D

ClientSampleId :

VD0516SBL01

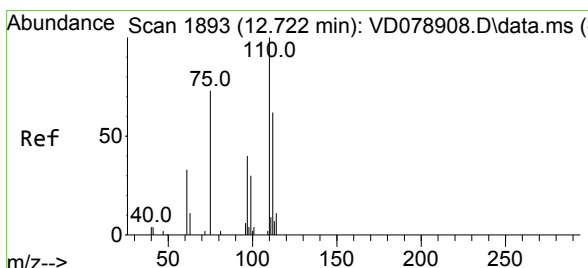
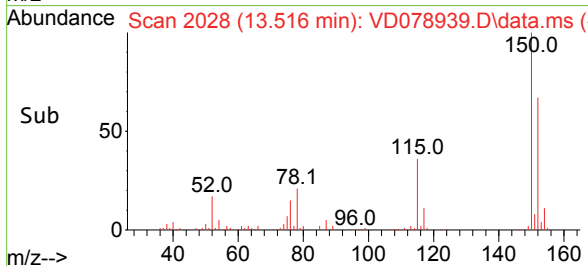
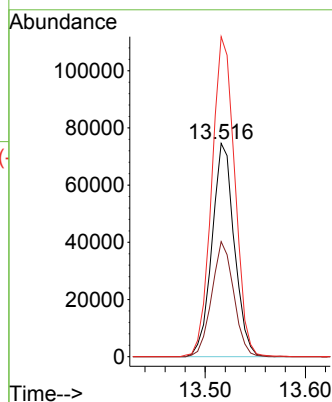
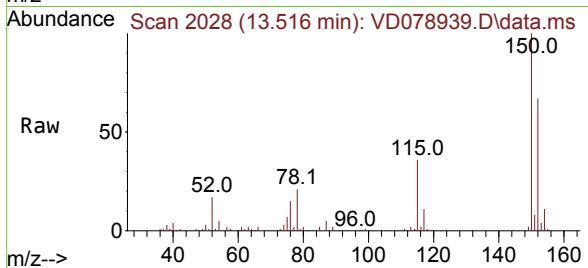
Tgt Ion:152 Resp: 115357

Ion Ratio Lower Upper

152 100

115 53.1 26.5 79.5

150 155.0 0.0 341.6



#76

1,2,3-Trichloropropane

Concen: 54.338 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD078939.D

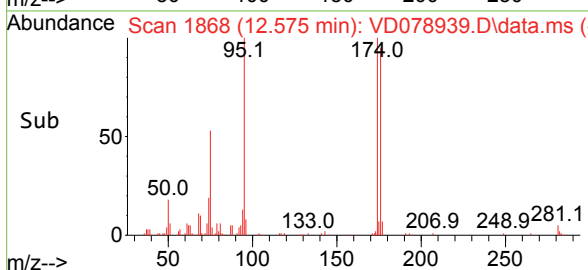
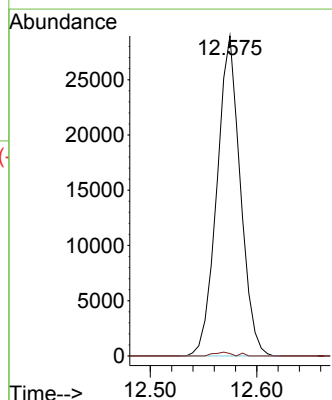
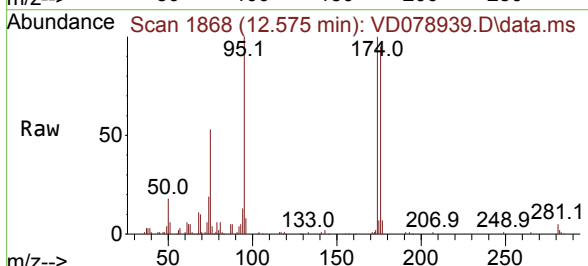
Acq: 16 May 2024 10:25

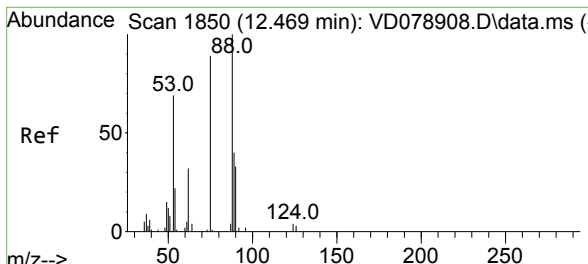
Tgt Ion: 75 Resp: 44129

Ion Ratio Lower Upper

75 100

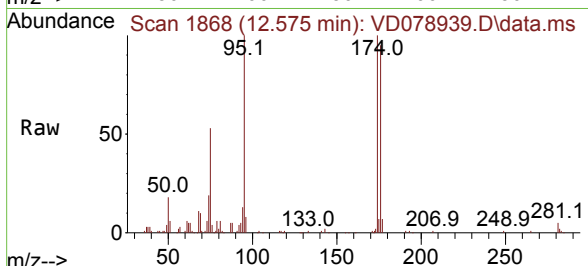
77 0.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 107.754 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.106 min
 Lab File: VD078939.D
 Acq: 16 May 2024 10:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBL01



Tgt Ion:	75	Resp:	44129
Ion	Ratio	Lower	Upper
75	100		
53	0.0	61.4	92.2#
89	0.0	35.4	53.0#

