

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051624\
 Data File : VD078951.D
 Acq On : 16 May 2024 17:44
 Operator : RP/MD
 Sample : P2497-03
 Misc : 5.05G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RT3823

Quant Time: May 17 06:12:09 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

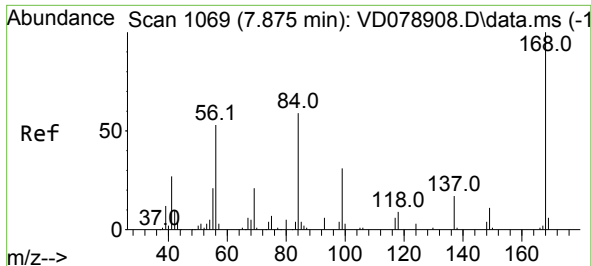
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.881	168	110982	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	244487	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	235287	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	97141	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	64153	61.626	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.260%	
35) Dibromofluoromethane	7.810	113	81858	50.298	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.600%	
50) Toluene-d8	10.269	98	311386	51.037	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.080%	
62) 4-Bromofluorobenzene	12.575	95	77445	45.185	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.360%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.152	50	165	Below Cal	#	40
4) Vinyl Chloride	2.287	62	56	Below Cal	#	42
16) Acetone	4.022	43	1447	8.718	ug/l	91
17) Carbon Disulfide	4.257	76	640	Below Cal	#	76
20) Methylene Chloride	4.805	84	7217	Below Cal	#	93
31) Cyclohexane	7.887	56	2252	1.481	ug/l	# 62
36) 1,1-Dichloropropene	7.881	75	8473	4.184	ug/l	# 46
38) Carbon Tetrachloride	7.881	117	10319	4.354	ug/l	# 13
51) 4-Methyl-2-Pentanone	10.281	43	1024	1.570	ug/l	# 1
76) 1,2,3-Trichloropropane	12.575	75	39444	57.677	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	39444	114.375	ug/l	# 19

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

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Quant Title : SW846 8260
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Response via : Initial Calibration

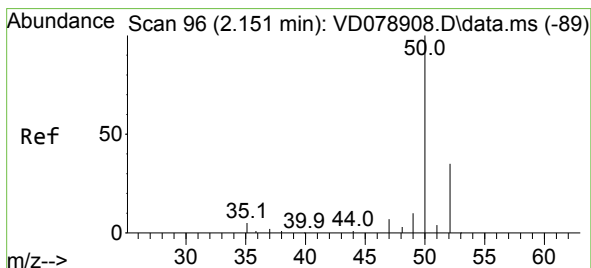
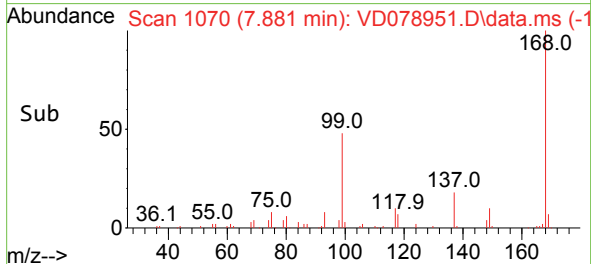
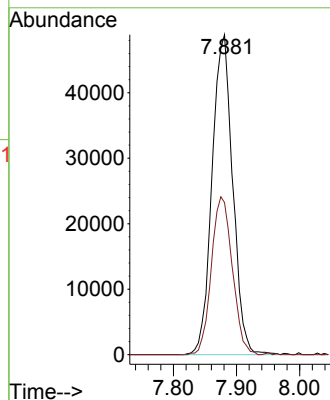
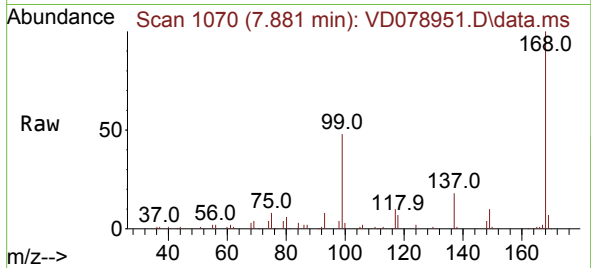




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD078951.D
Acq: 16 May 2024 17:44

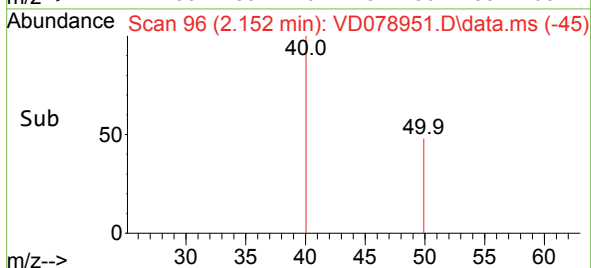
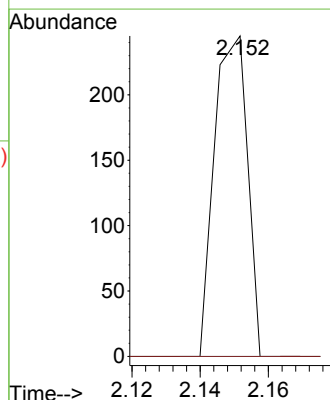
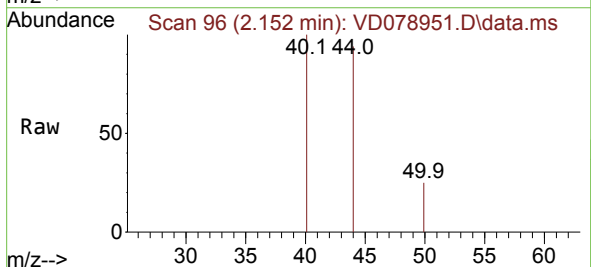
Instrument :
MSVOA_D
ClientSampleId :
RT3823

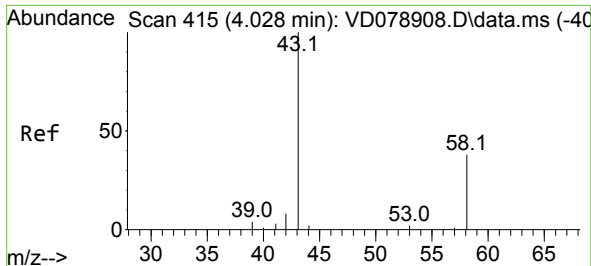
Tgt Ion:168 Resp: 110982
Ion Ratio Lower Upper
168 100
99 47.6 41.1 61.7



#3
Chloromethane
Concen: Below Cal
RT: 2.152 min Scan# 96
Delta R.T. 0.001 min
Lab File: VD078951.D
Acq: 16 May 2024 17:44

Tgt Ion: 50 Resp: 165
Ion Ratio Lower Upper
50 100
52 0.0 28.2 42.2#





#16

Acetone

Concen: 8.718 ug/l

RT: 4.022 min Scan# 41

Delta R.T. -0.006 min

Lab File: VD078951.D

Acq: 16 May 2024 17:44

Instrument :

MSVOA_D

ClientSampleId :

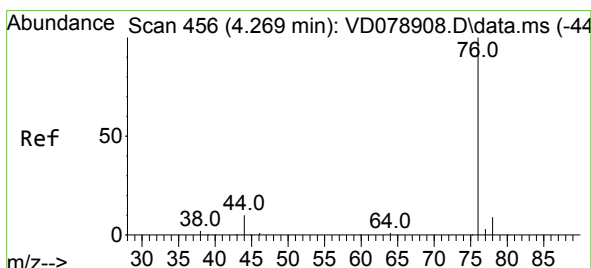
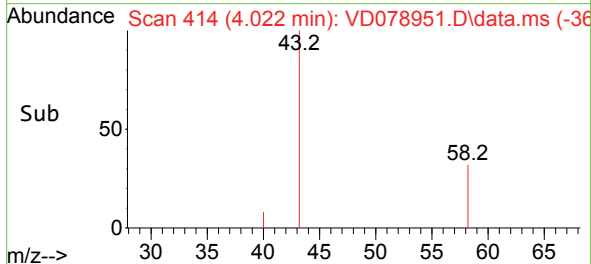
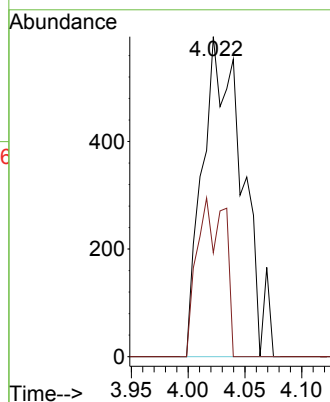
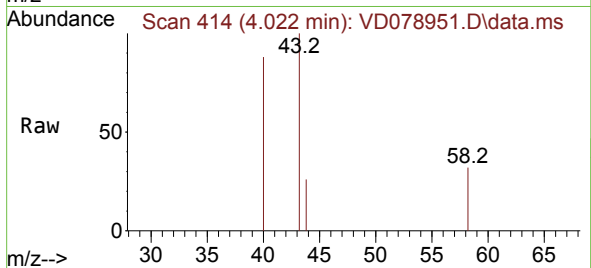
RT3823

Tgt Ion: 43 Resp: 1447

Ion Ratio Lower Upper

43 100

58 32.4 30.4 45.6



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.257 min Scan# 454

Delta R.T. -0.012 min

Lab File: VD078951.D

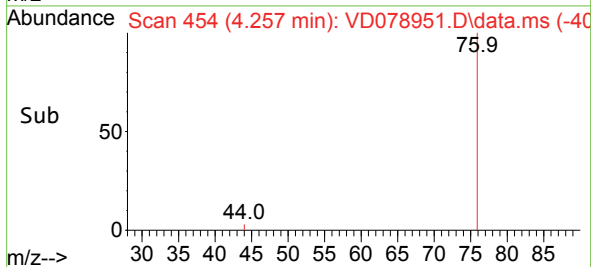
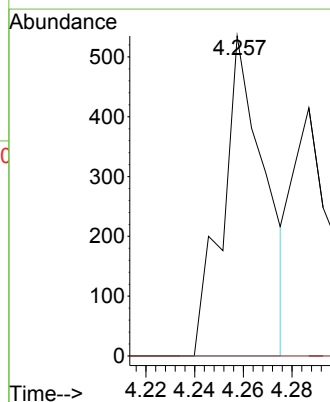
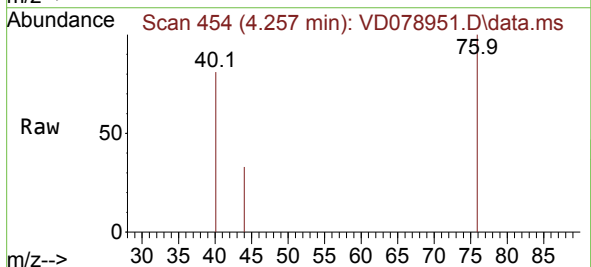
Acq: 16 May 2024 17:44

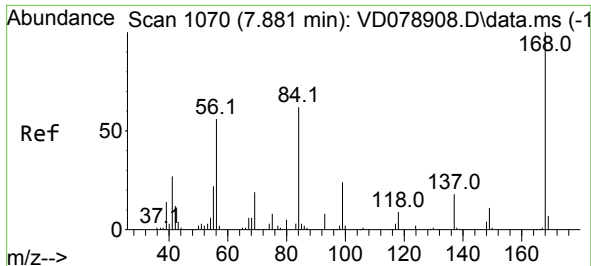
Tgt Ion: 76 Resp: 640

Ion Ratio Lower Upper

76 100

78 0.0 6.9 10.3#





#31

Cyclohexane

Concen: 1.481 ug/l

RT: 7.887 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VD078951.D

Acq: 16 May 2024 17:44

Instrument :

MSVOA_D

ClientSampleId :

RT3823

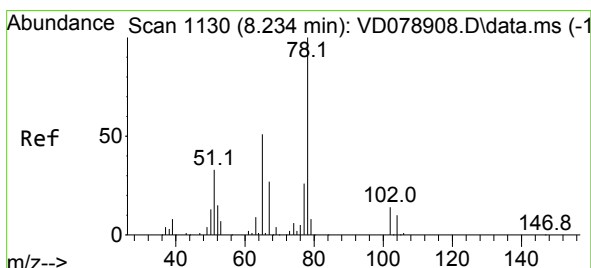
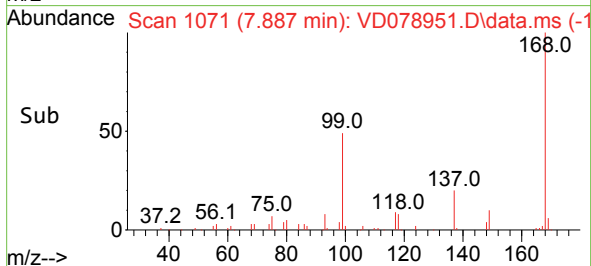
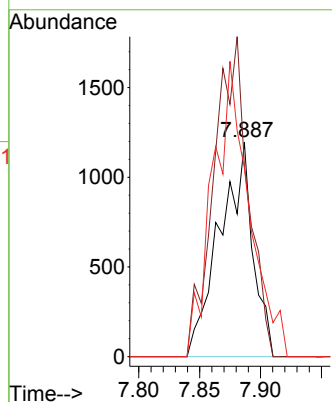
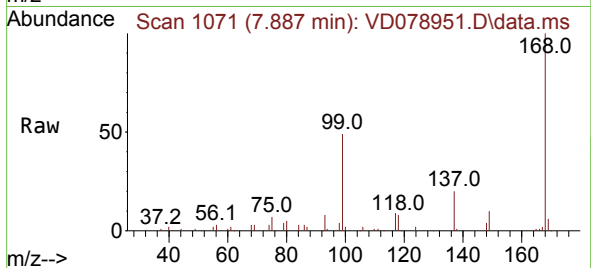
Tgt Ion: 56 Resp: 2252

Ion Ratio Lower Upper

56 100

69 89.2 28.0 42.0#

84 88.0 87.4 131.0



#33

1,2-Dichloroethane-d4

Concen: 61.626 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD078951.D

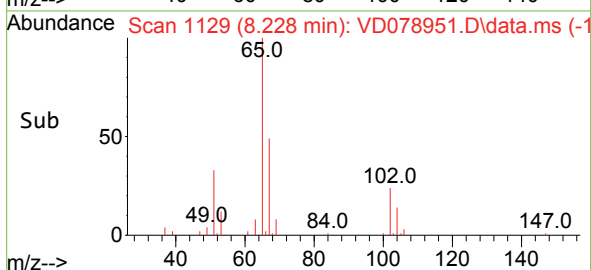
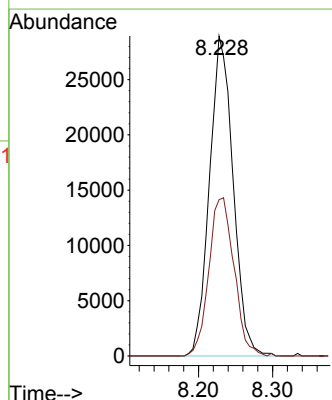
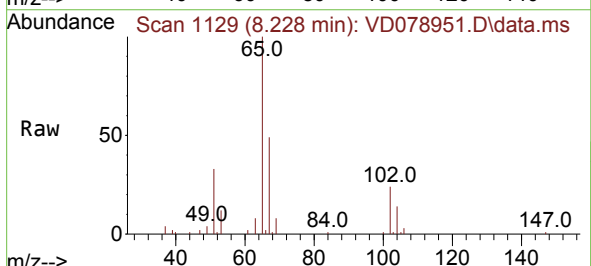
Acq: 16 May 2024 17:44

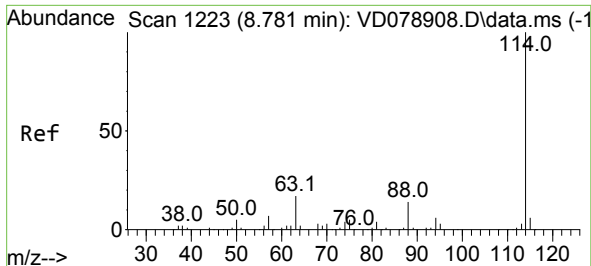
Tgt Ion: 65 Resp: 64153

Ion Ratio Lower Upper

65 100

67 52.6 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: VD078951.D

Acq: 16 May 2024 17:44

Instrument :

MSVOA_D

ClientSampleId :

RT3823

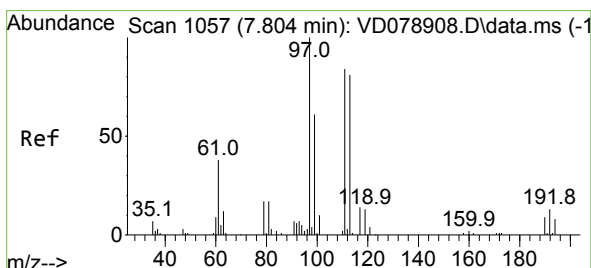
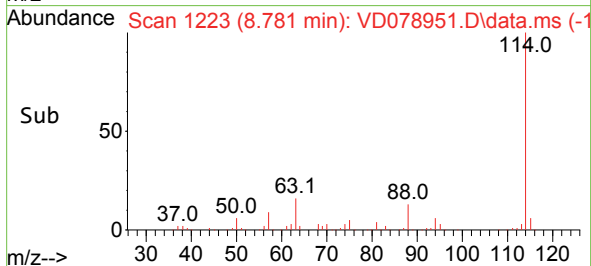
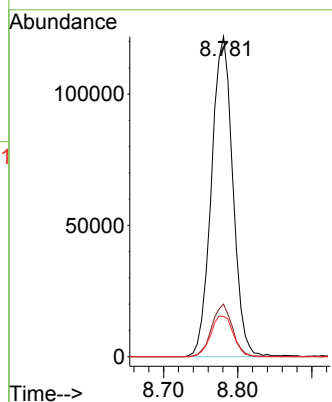
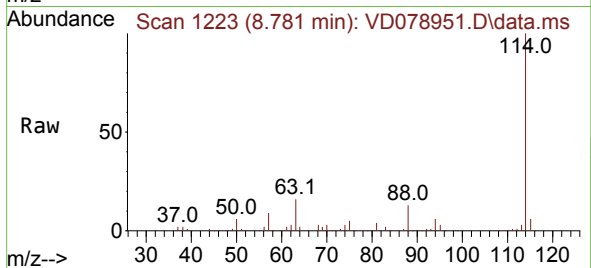
Tgt Ion:114 Resp: 244487

Ion Ratio Lower Upper

114 100

63 16.4 0.0 34.0

88 12.6 0.0 27.2



#35

Dibromofluoromethane

Concen: 50.298 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD078951.D

Acq: 16 May 2024 17:44

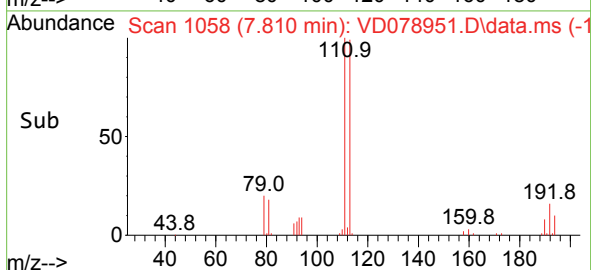
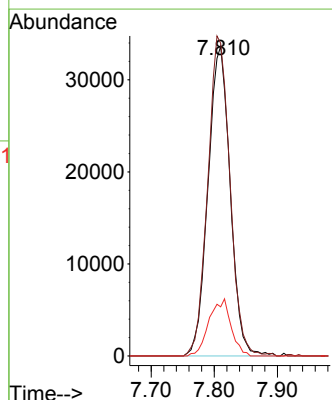
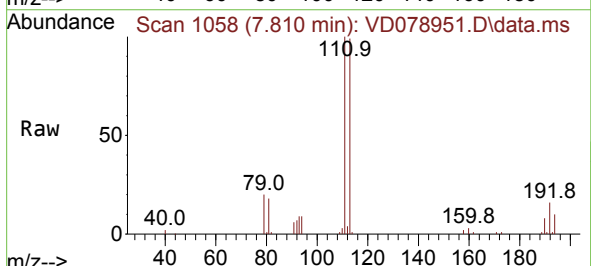
Tgt Ion:113 Resp: 81858

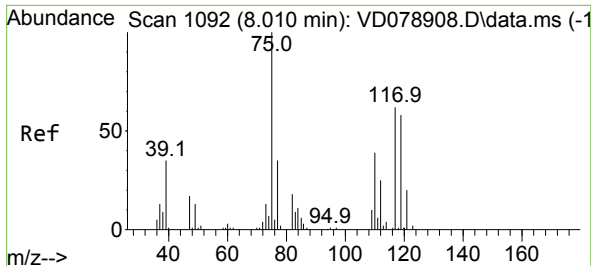
Ion Ratio Lower Upper

113 100

111 103.6 84.0 126.0

192 18.3 15.4 23.0

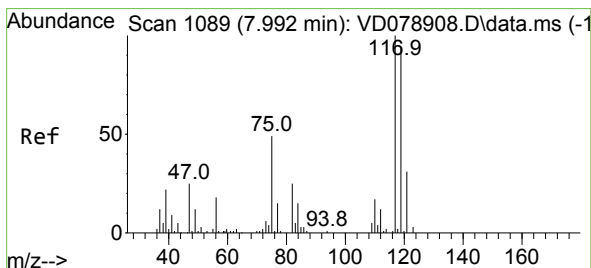
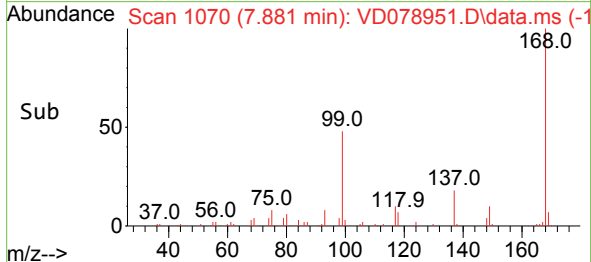
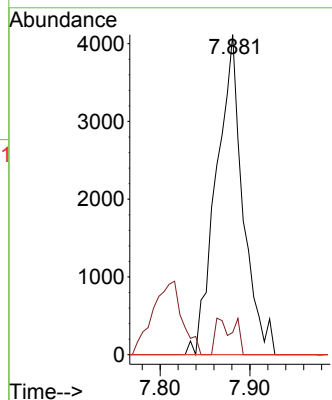
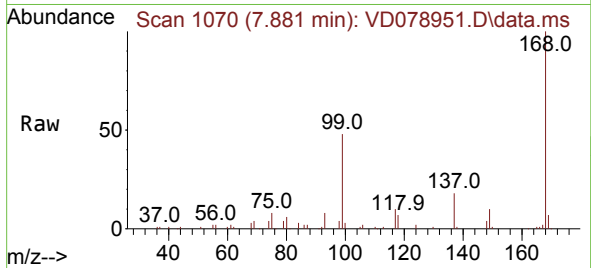




#36
1,1-Dichloropropene
Concen: 4.184 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.129 min
Lab File: VD078951.D
Acq: 16 May 2024 17:44

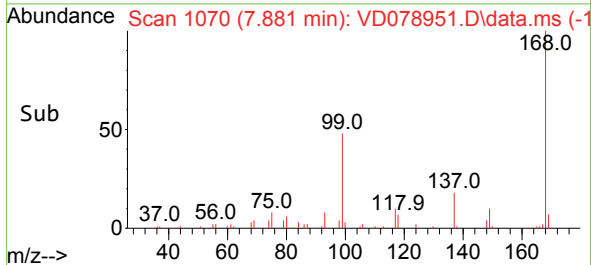
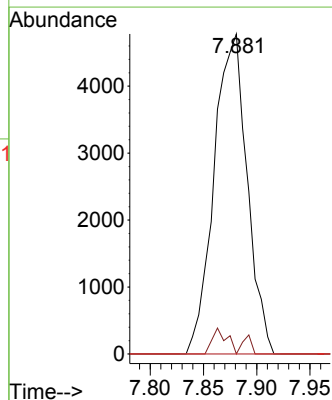
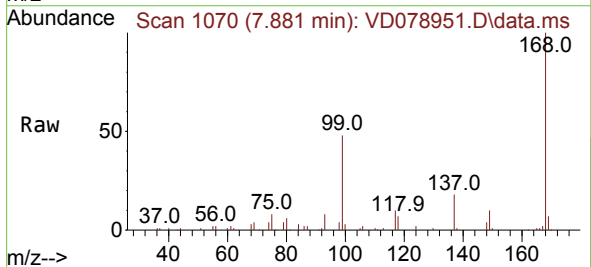
Instrument :
MSVOA_D
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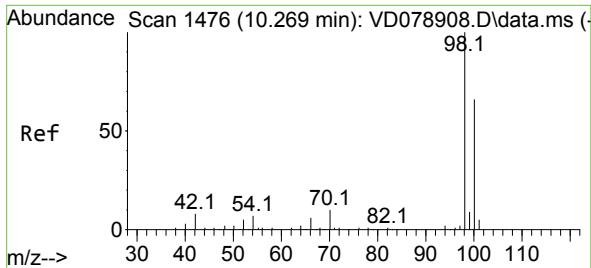
Tgt Ion: 75 Resp: 8473
Ion Ratio Lower Upper
75 100
110 8.0 19.6 58.7#
77 0.0 26.1 39.1#



#38
Carbon Tetrachloride
Concen: 4.354 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD078951.D
Acq: 16 May 2024 17:44

Tgt Ion: 117 Resp: 10319
Ion Ratio Lower Upper
117 100
119 0.0 75.4 113.0#
121 0.0 25.0 37.4#

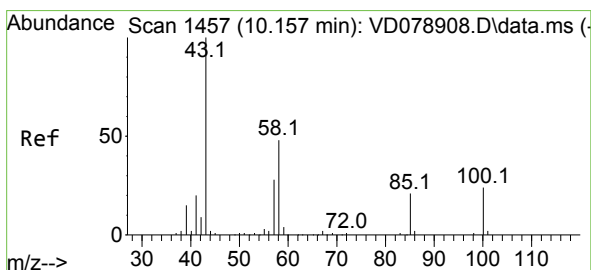
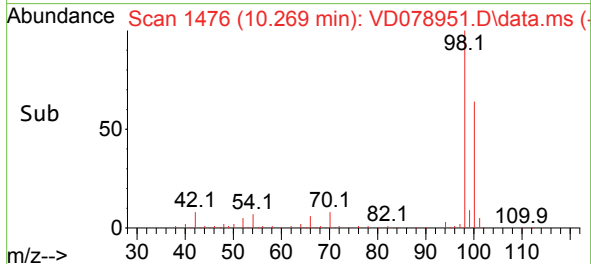
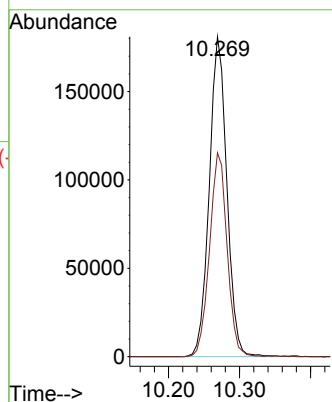
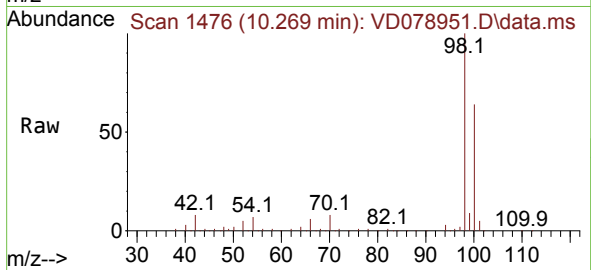




#50
Toluene-d8
Concen: 51.037 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078951.D
Acq: 16 May 2024 17:44

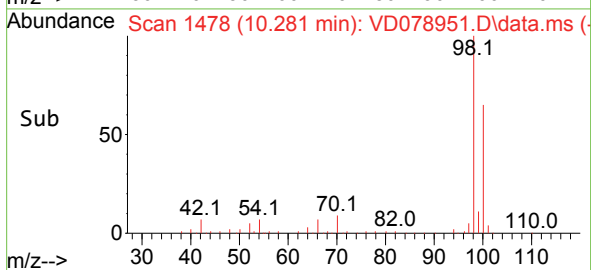
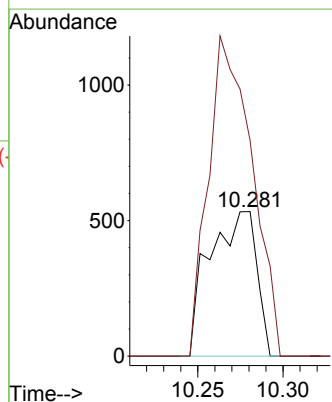
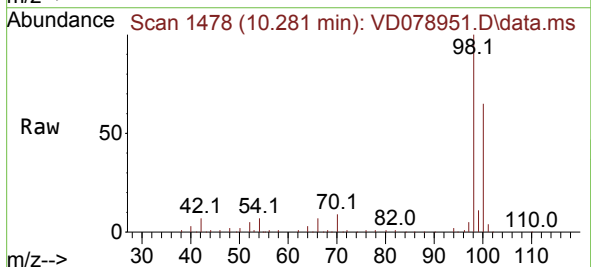
Instrument :
MSVOA_D
ClientSampleId :
RT3823

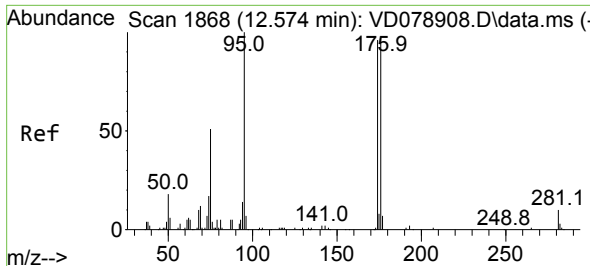
Tgt Ion: 98 Resp: 311386
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.570 ug/l
RT: 10.281 min Scan# 1478
Delta R.T. 0.124 min
Lab File: VD078951.D
Acq: 16 May 2024 17:44

Tgt Ion: 43 Resp: 1024
Ion Ratio Lower Upper
43 100
58 205.5 36.6 55.0#

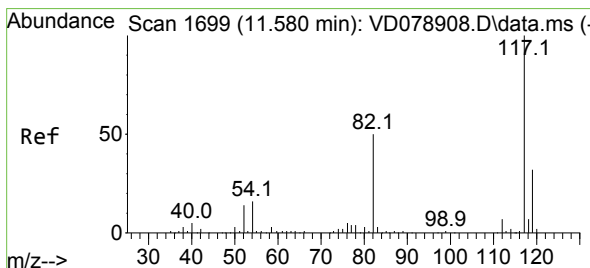
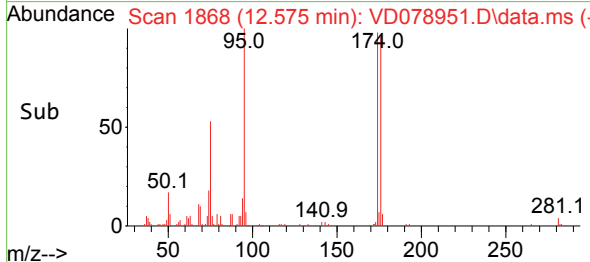
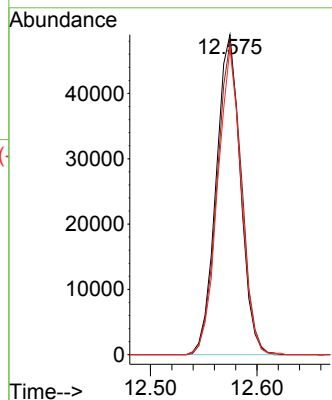
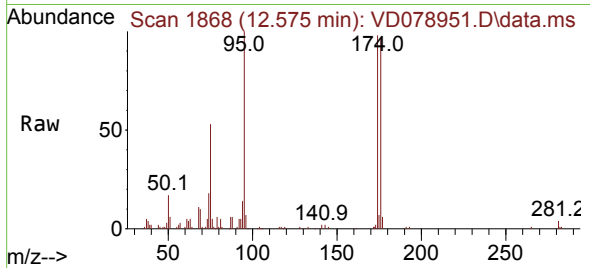




#62
4-Bromofluorobenzene
Concen: 45.185 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078951.D
Acq: 16 May 2024 17:44

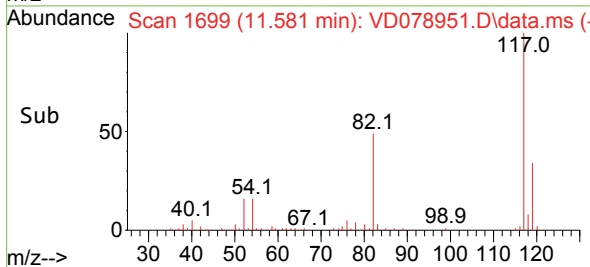
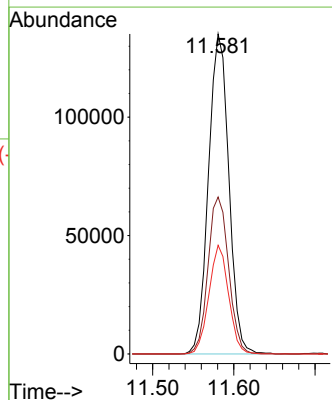
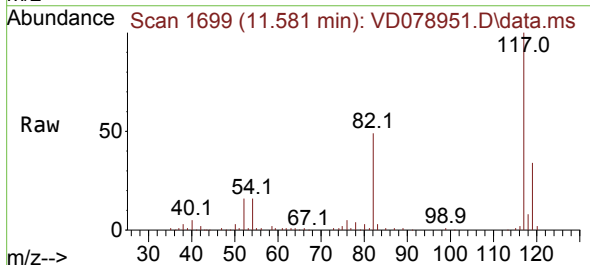
Instrument :
MSVOA_D
ClientSampleId :
RT3823

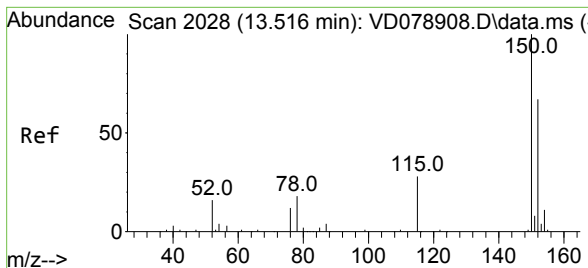
Tgt Ion: 95 Resp: 77445
Ion Ratio Lower Upper
95 100
174 98.5 0.0 195.4
176 92.9 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD078951.D
Acq: 16 May 2024 17:44

Tgt Ion: 117 Resp: 235287
Ion Ratio Lower Upper
117 100
82 49.1 39.8 59.6
119 33.9 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: VD078951.D

Acq: 16 May 2024 17:44

Instrument :

MSVOA_D

ClientSampleId :

RT3823

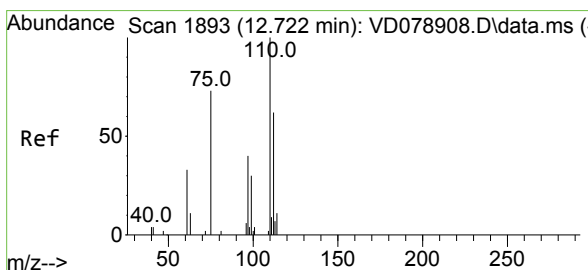
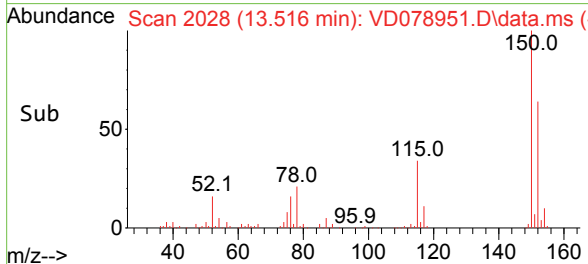
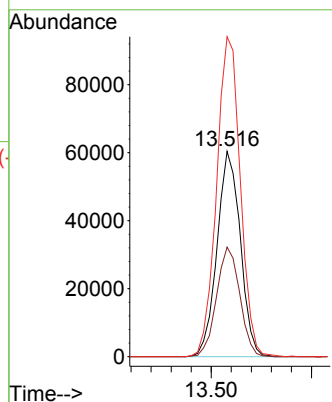
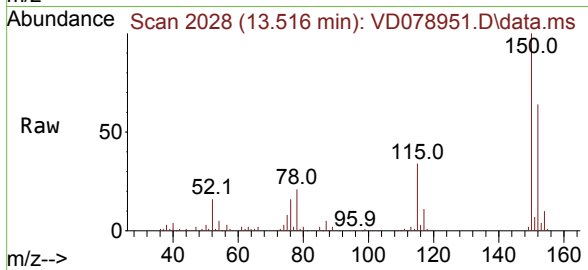
Tgt Ion:152 Resp: 97141

Ion Ratio Lower Upper

152 100

115 53.3 26.5 79.5

150 158.7 0.0 341.6



#76

1,2,3-Trichloropropane

Concen: 57.677 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD078951.D

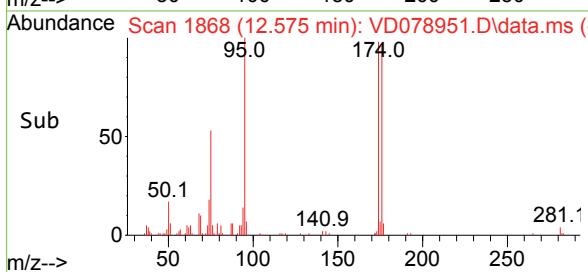
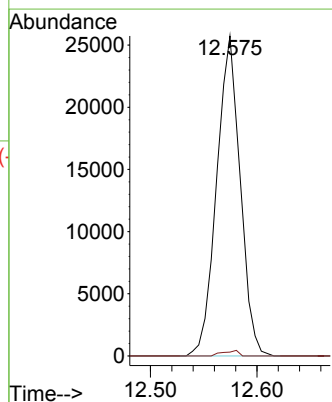
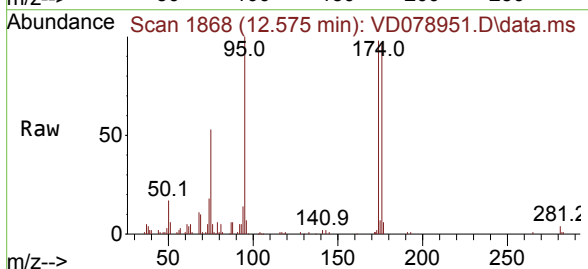
Acq: 16 May 2024 17:44

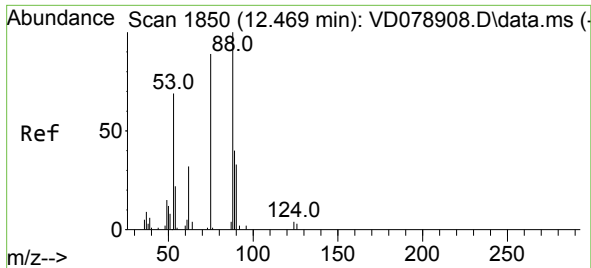
Tgt Ion: 75 Resp: 39444

Ion Ratio Lower Upper

75 100

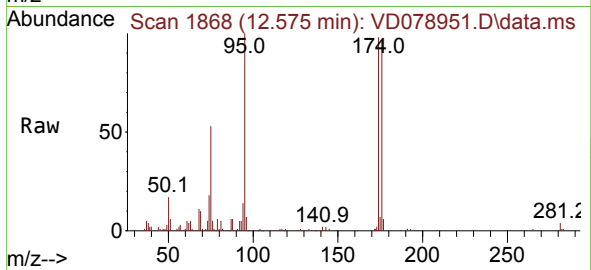
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.375 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD078951.D
 Acq: 16 May 2024 17:44

Instrument :
 MSVOA_D
 ClientSampleId :
 RT3823



Tgt Ion:	75	Resp:	39444
Ion	Ratio	Lower	Upper
75	100		
53	0.0	61.4	92.2#
89	0.0	35.4	53.0#

