

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051524\
 Data File : VD078932.D
 Acq On : 15 May 2024 16:19
 Operator : RP/MD
 Sample : P2480-03
 Misc : 5.46G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-MH-JJ

Quant Time: May 16 01:26:07 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)

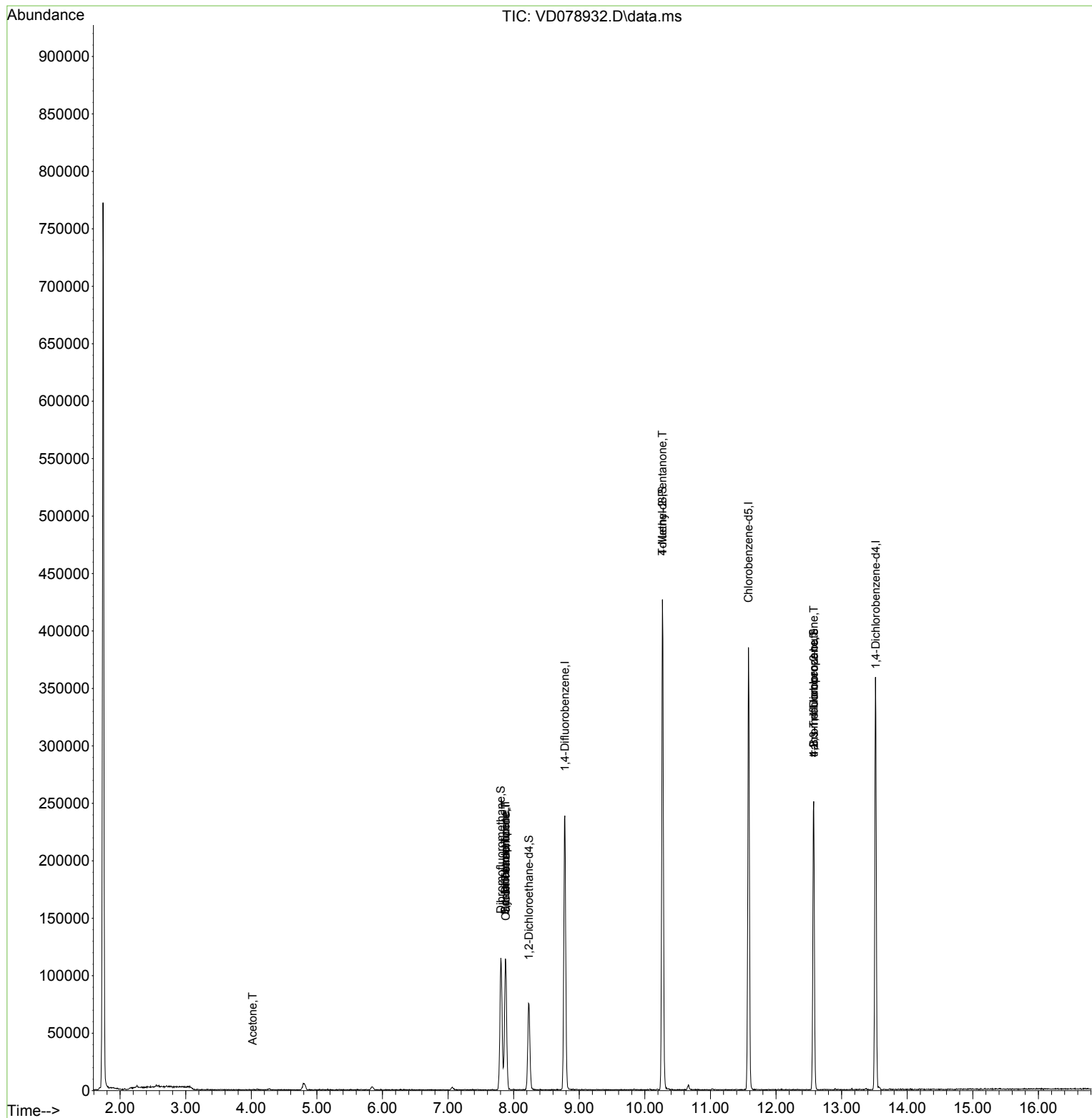
Internal Standards						
1) Pentafluorobenzene	7.875	168	91148	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	228489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	229999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	100526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	58349	68.247	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.500%	
35) Dibromofluoromethane	7.804	113	81237	53.411	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.820%	
50) Toluene-d8	10.269	98	299605	52.545	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.080%	
62) 4-Bromofluorobenzene	12.575	95	77215	48.205	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.400%	
Target Compounds						Qvalue
3) Chloromethane	2.146	50	56	Below Cal	#	40
5) Bromomethane	2.687	94	60	Below Cal	#	2
16) Acetone	4.022	43	225	1.651	ug/l #	37
17) Carbon Disulfide	4.281	76	1020	Below Cal	#	76
20) Methylene Chloride	4.804	84	5440	Below Cal	#	79
31) Cyclohexane	7.875	56	1441	1.154	ug/l #	11
36) 1,1-Dichloropropene	7.875	75	6864	3.627	ug/l #	44
38) Carbon Tetrachloride	7.881	117	9340	4.217	ug/l #	20
51) 4-Methyl-2-Pentanone	10.269	43	906	1.486	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	38423	54.292	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	38423	107.663	ug/l #	19

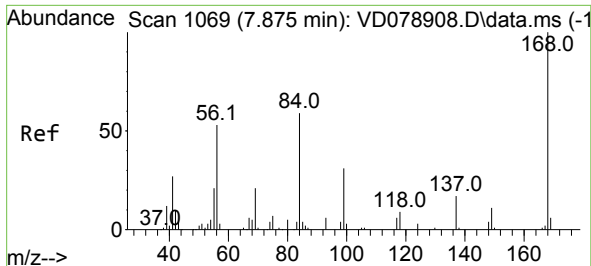
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

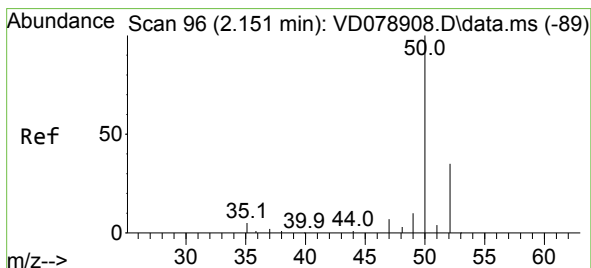
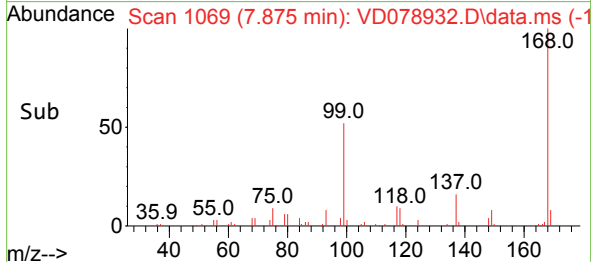
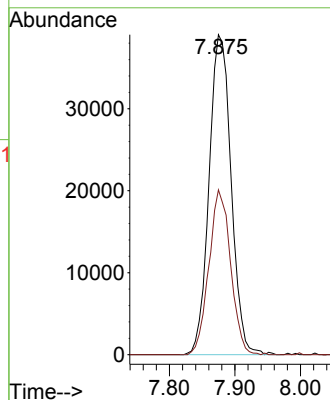
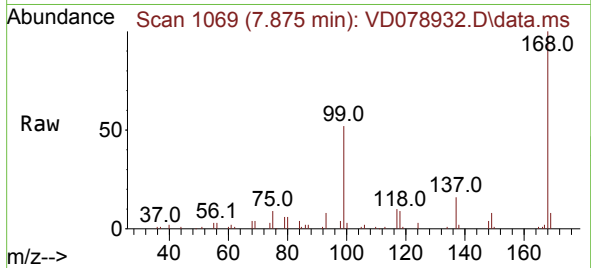




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD078932.D
Acq: 15 May 2024 16:19

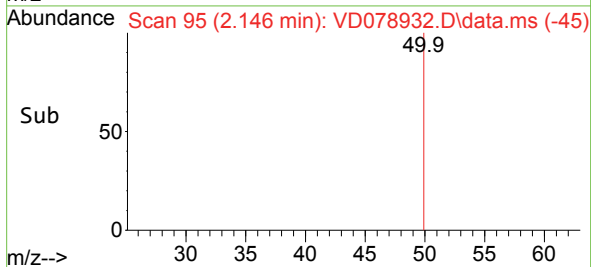
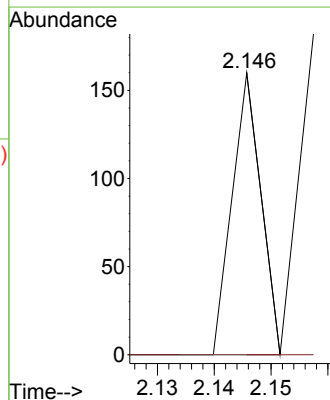
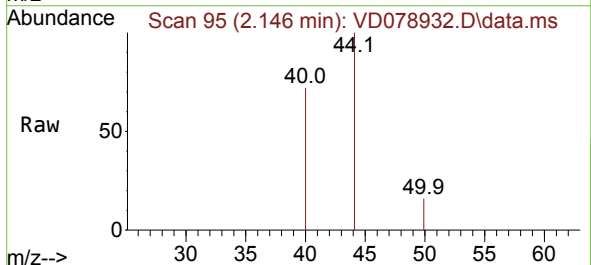
Instrument :
MSVOA_D
ClientSampleId :
VOC-MH-JJ

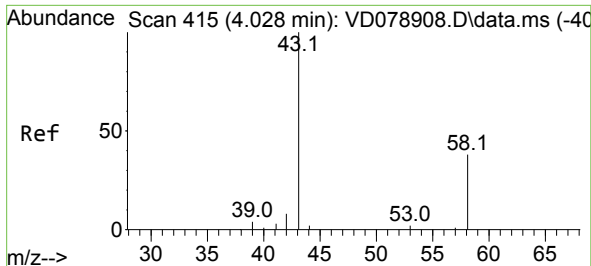
Tgt Ion:168 Resp: 91148
Ion Ratio Lower Upper
168 100
99 51.5 41.1 61.7



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.005 min
Lab File: VD078932.D
Acq: 15 May 2024 16:19

Tgt Ion: 50 Resp: 56
Ion Ratio Lower Upper
50 100
52 0.0 28.2 42.2#





#16

Acetone

Concen: 1.651 ug/l

RT: 4.022 min Scan# 41

Delta R.T. -0.006 min

Lab File: VD078932.D

Acq: 15 May 2024 16:19

Instrument :

MSVOA_D

ClientSampleId :

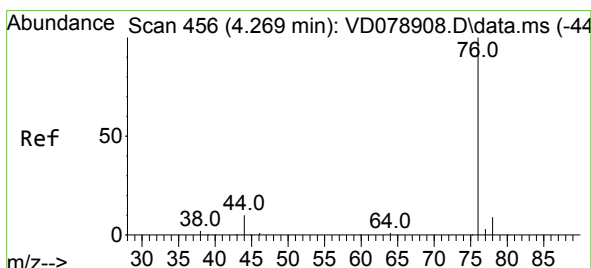
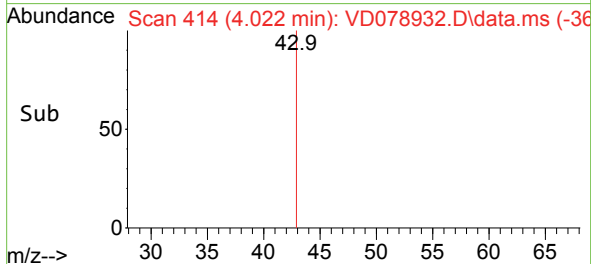
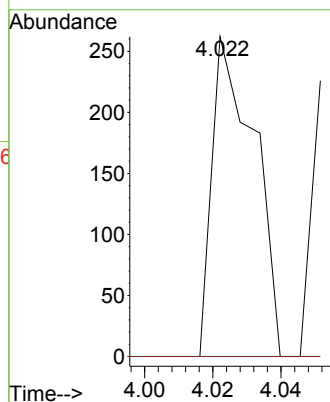
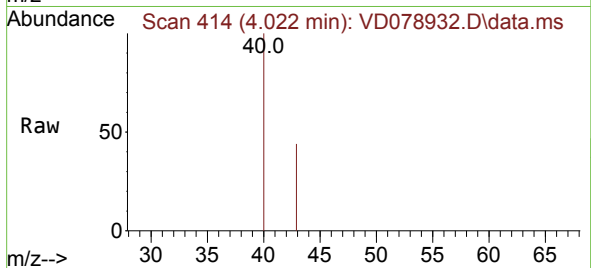
VOC-MH-JJ

Tgt Ion: 43 Resp: 225

Ion Ratio Lower Upper

43 100

58 0.0 30.4 45.6#



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.281 min Scan# 458

Delta R.T. 0.012 min

Lab File: VD078932.D

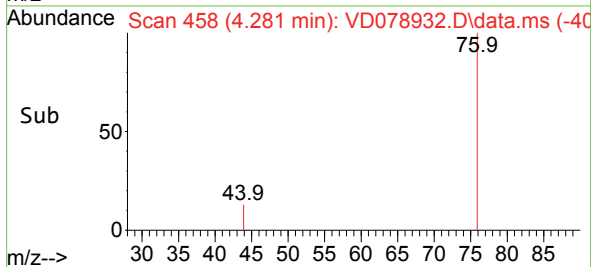
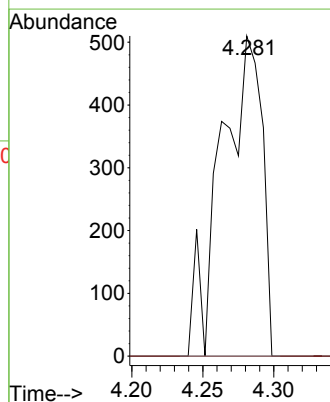
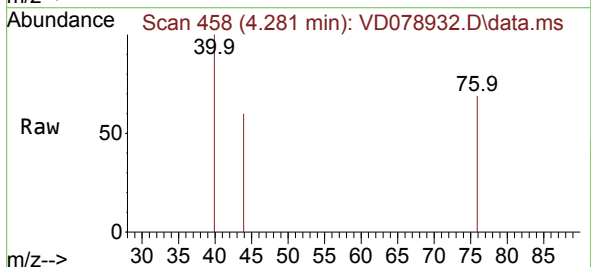
Acq: 15 May 2024 16:19

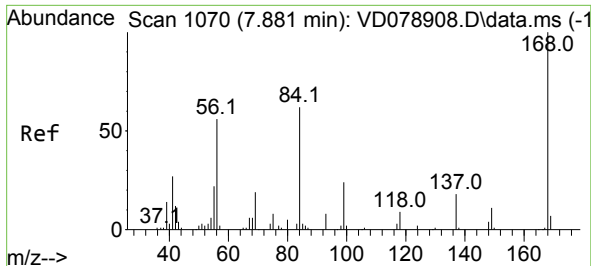
Tgt Ion: 76 Resp: 1020

Ion Ratio Lower Upper

76 100

78 0.0 6.9 10.3#

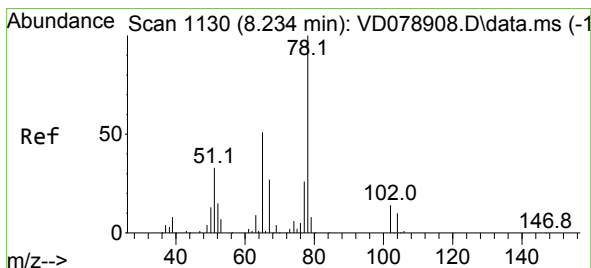
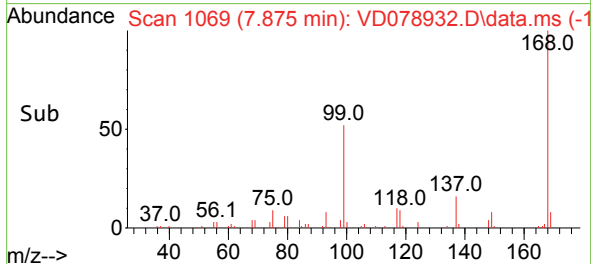
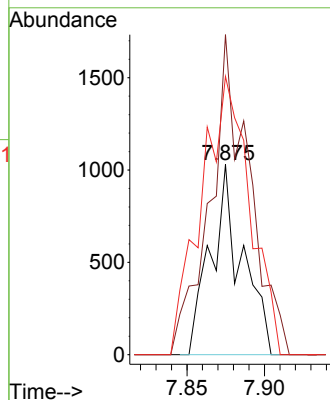
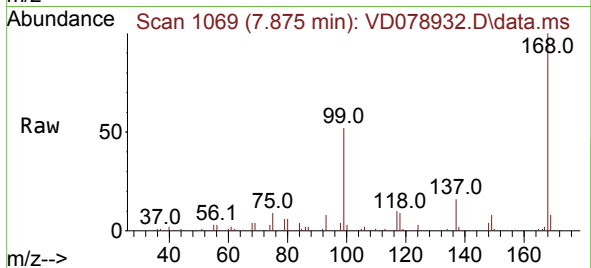




#31
Cyclohexane
Concen: 1.154 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078932.D
Acq: 15 May 2024 16:19

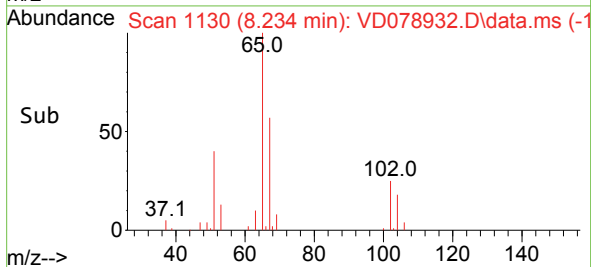
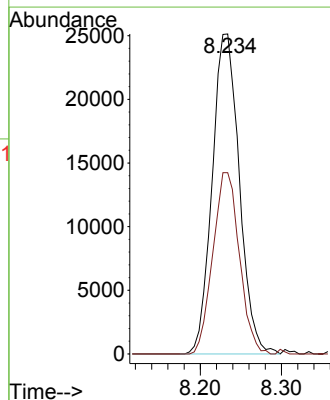
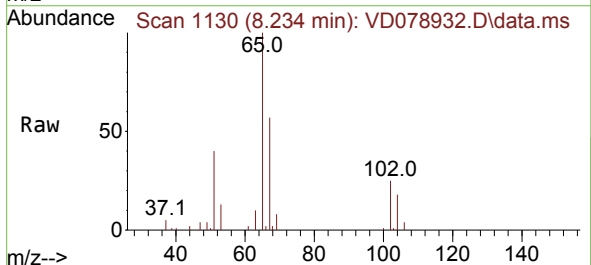
Instrument :
MSVOA_D
ClientSampleId :
VOC-MH-JJ

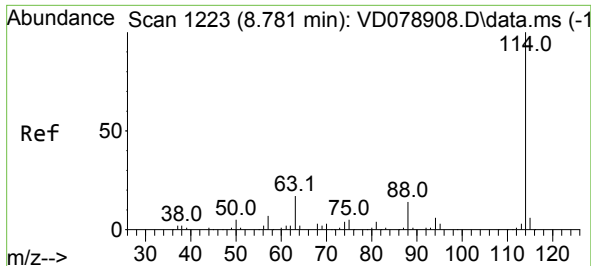
Tgt Ion: 56 Resp: 1441
Ion Ratio Lower Upper
56 100
69 147.5 28.0 42.0#
84 167.2 87.4 131.0#



#33
1,2-Dichloroethane-d4
Concen: 68.247 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD078932.D
Acq: 15 May 2024 16:19

Tgt Ion: 65 Resp: 58349
Ion Ratio Lower Upper
65 100
67 55.4 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: VD078932.D

Acq: 15 May 2024 16:19

Instrument :

MSVOA_D

ClientSampleId :

VOC-MH-JJ

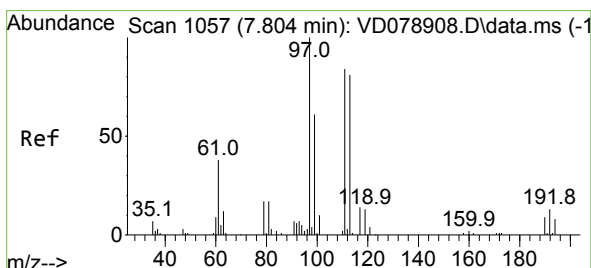
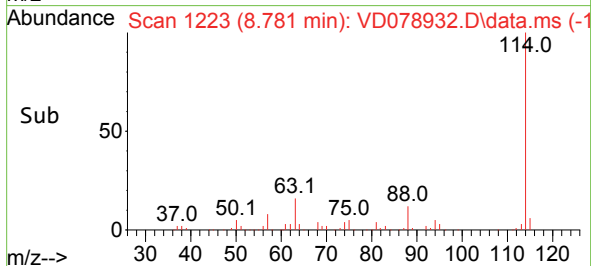
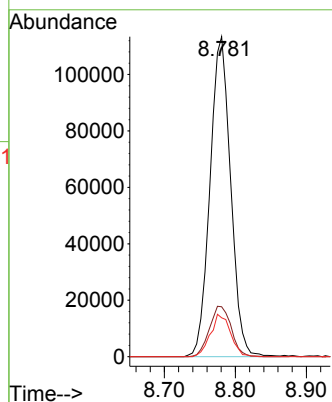
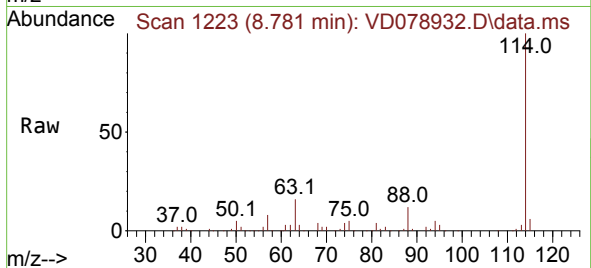
Tgt Ion:114 Resp: 228489

Ion Ratio Lower Upper

114 100

63 15.6 0.0 34.0

88 12.2 0.0 27.2



#35

Dibromofluoromethane

Concen: 53.411 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD078932.D

Acq: 15 May 2024 16:19

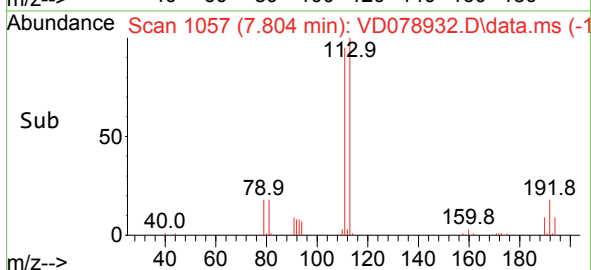
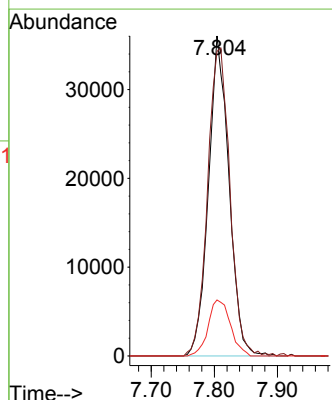
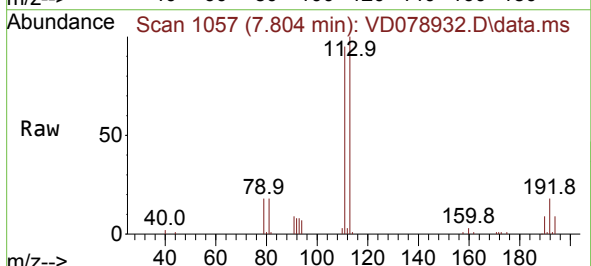
Tgt Ion:113 Resp: 81237

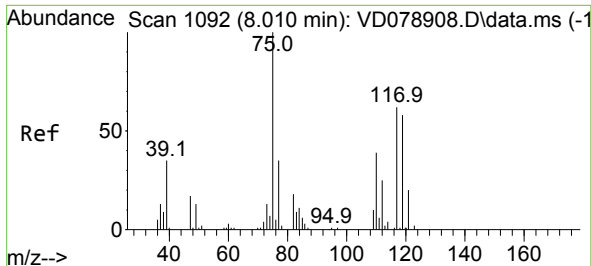
Ion Ratio Lower Upper

113 100

111 104.7 84.0 126.0

192 19.1 15.4 23.0





#36

1,1-Dichloropropene

Concen: 3.627 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD078932.D

Acq: 15 May 2024 16:19

Instrument :

MSVOA_D

ClientSampleId :

VOC-MH-JJ

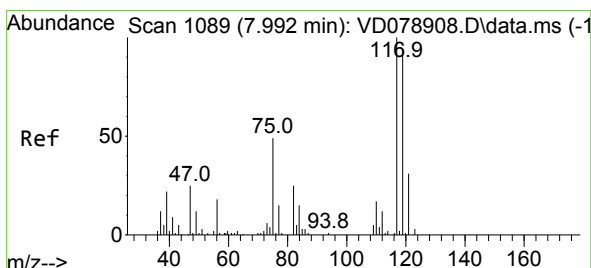
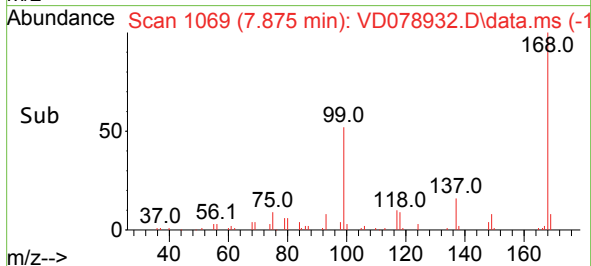
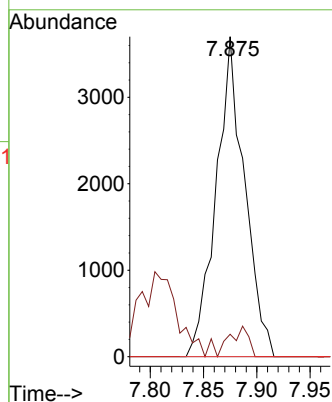
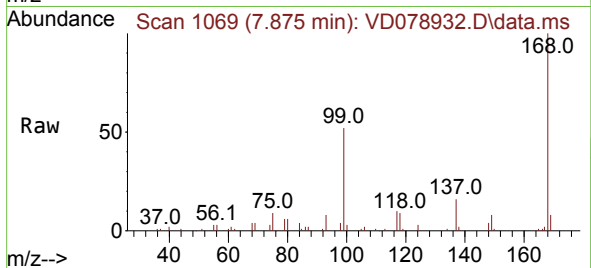
Tgt Ion: 75 Resp: 6864

Ion Ratio Lower Upper

75 100

110 6.2 19.6 58.7#

77 0.0 26.1 39.1#



#38

Carbon Tetrachloride

Concen: 4.217 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

Lab File: VD078932.D

Acq: 15 May 2024 16:19

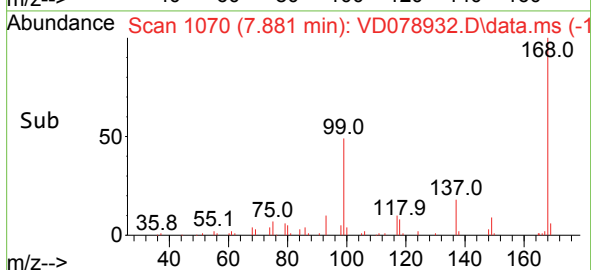
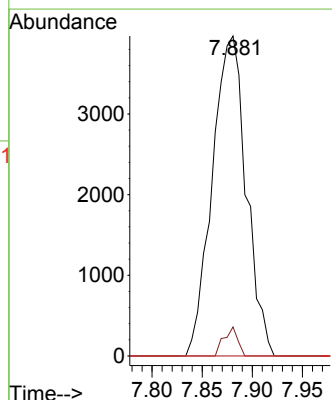
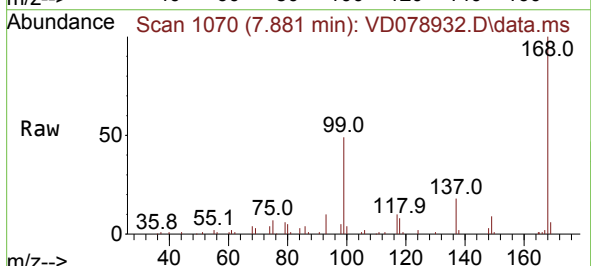
Tgt Ion: 117 Resp: 9340

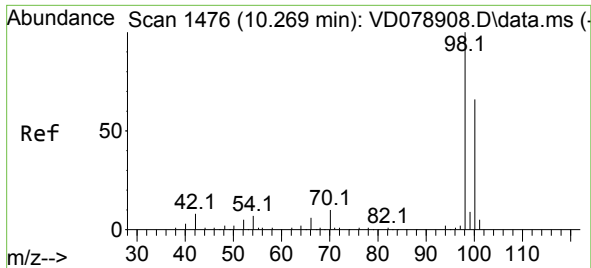
Ion Ratio Lower Upper

117 100

119 9.0 75.4 113.0#

121 0.0 25.0 37.4#

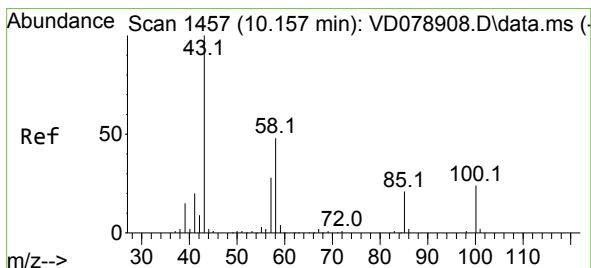
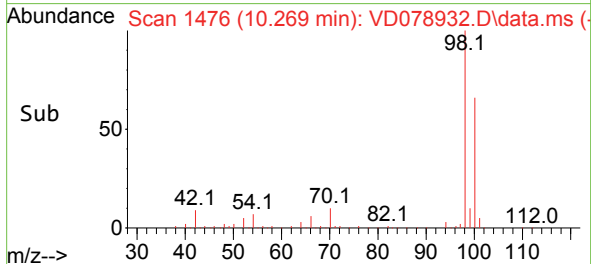
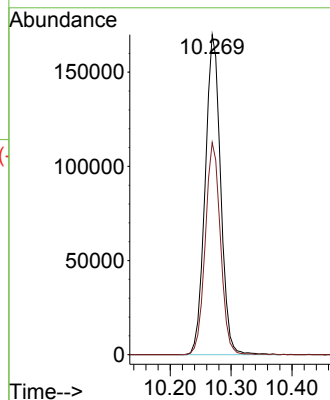
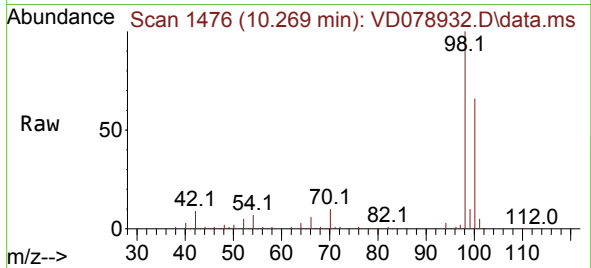




#50
Toluene-d8
Concen: 52.545 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078932.D
Acq: 15 May 2024 16:19

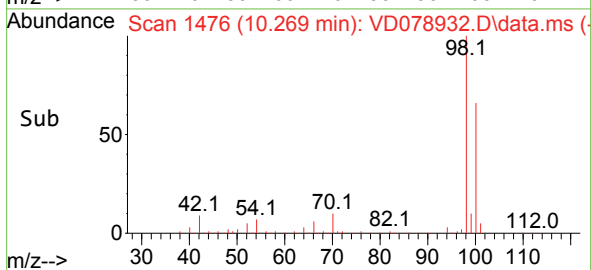
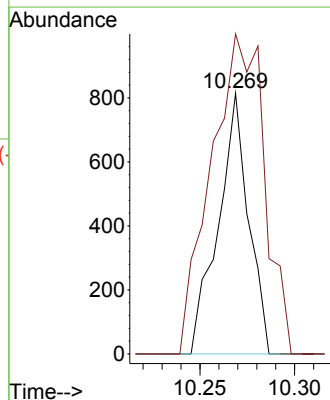
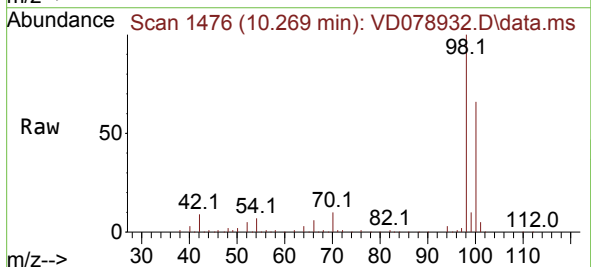
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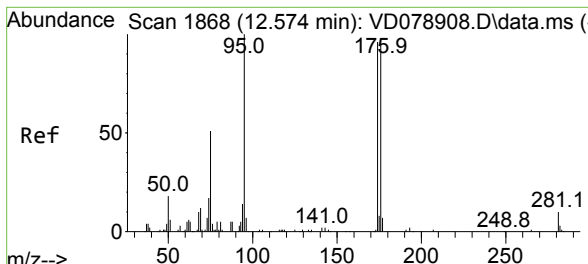
Tgt Ion: 98 Resp: 299605
Ion Ratio Lower Upper
98 100
100 64.9 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.486 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD078932.D
Acq: 15 May 2024 16:19

Tgt Ion: 43 Resp: 906
Ion Ratio Lower Upper
43 100
58 214.9 36.6 55.0#

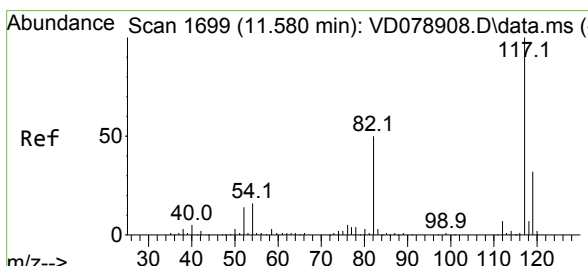
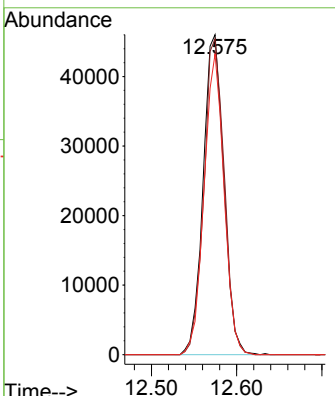
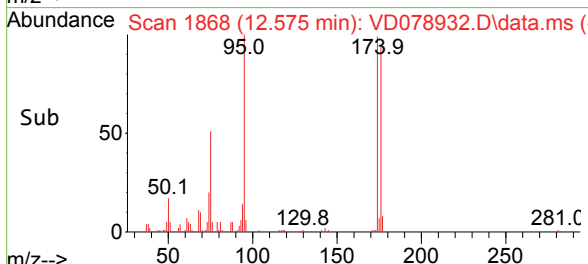
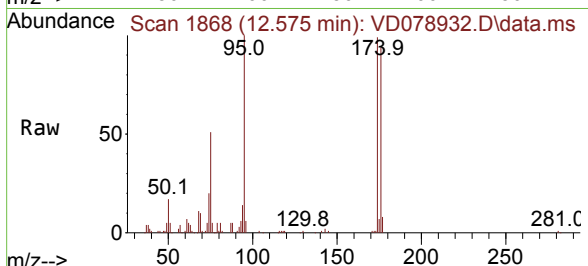




#62
 4-Bromofluorobenzene
 Concen: 48.205 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.000 min
 Lab File: VD078932.D
 Acq: 15 May 2024 16:19

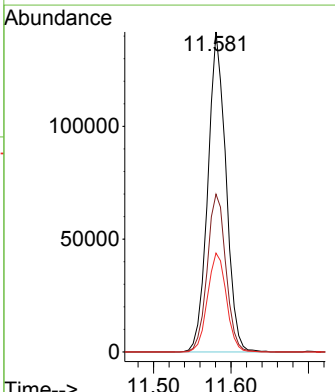
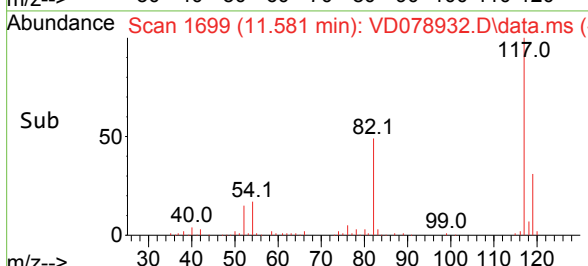
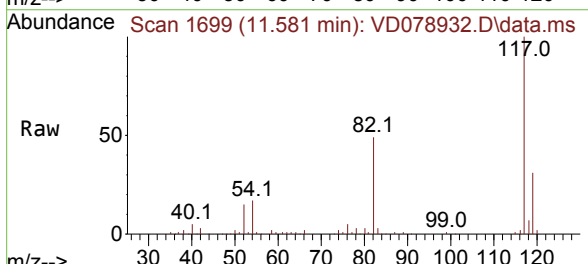
Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-MH-JJ

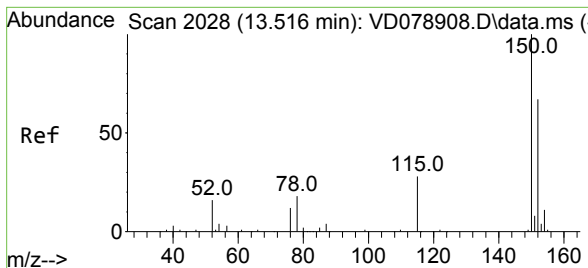
Tgt Ion:	95	Resp:	77215
Ion	Ratio	Lower	Upper
95	100		
174	97.5	0.0	195.4
176	91.2	0.0	192.6



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.581 min Scan# 1699
 Delta R.T. 0.000 min
 Lab File: VD078932.D
 Acq: 15 May 2024 16:19

Tgt Ion:	117	Resp:	229999
Ion	Ratio	Lower	Upper
117	100		
82	49.3	39.8	59.6
119	30.9	25.7	38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. 0.006 min

Lab File: VD078932.D

Acq: 15 May 2024 16:19

Instrument :

MSVOA_D

ClientSampleId :

VOC-MH-JJ

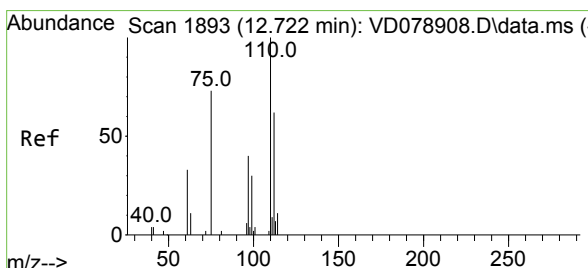
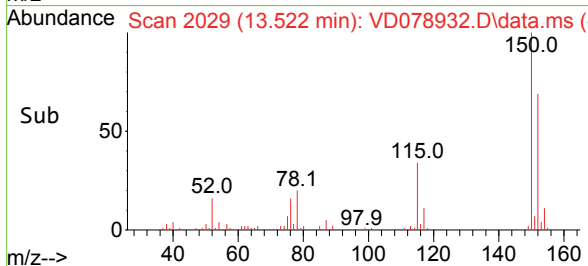
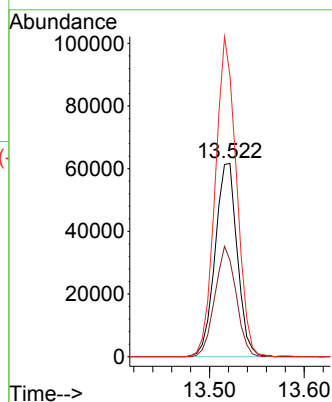
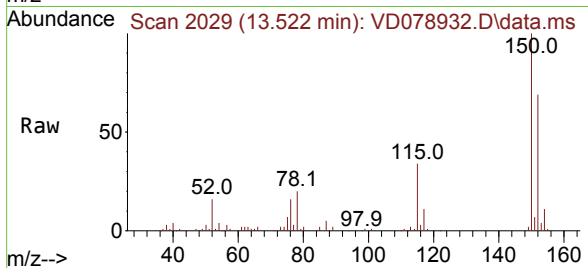
Tgt Ion:152 Resp: 100526

Ion Ratio Lower Upper

152 100

115 54.6 26.5 79.5

150 158.4 0.0 341.6



#76

1,2,3-Trichloropropane

Concen: 54.292 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD078932.D

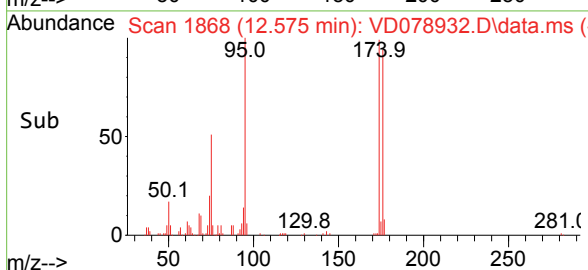
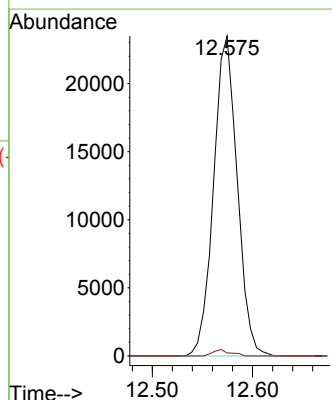
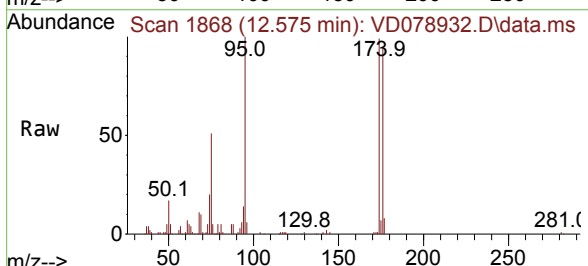
Acq: 15 May 2024 16:19

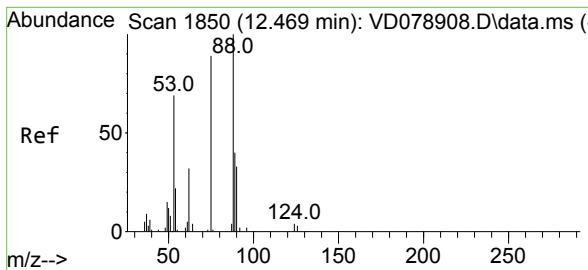
Tgt Ion: 75 Resp: 38423

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 107.663 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.106 min
 Lab File: VD078932.D
 Acq: 15 May 2024 16:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-MH-JJ

Tgt Ion:	75	Resp:	38423
Ion	Ratio	Lower	Upper
75	100		
53	0.1	61.4	92.2#
89	0.0	35.4	53.0#

