

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022123\
 Data File : VD075389.D
 Acq On : 21 Feb 2023 19:06
 Operator : KP/SY
 Sample : 01613-06RE
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB-RW10-GW-838-840RE

Quant Time: Feb 22 00:54:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022123S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 21 16:26:04 2023
 Response via : Initial Calibration

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

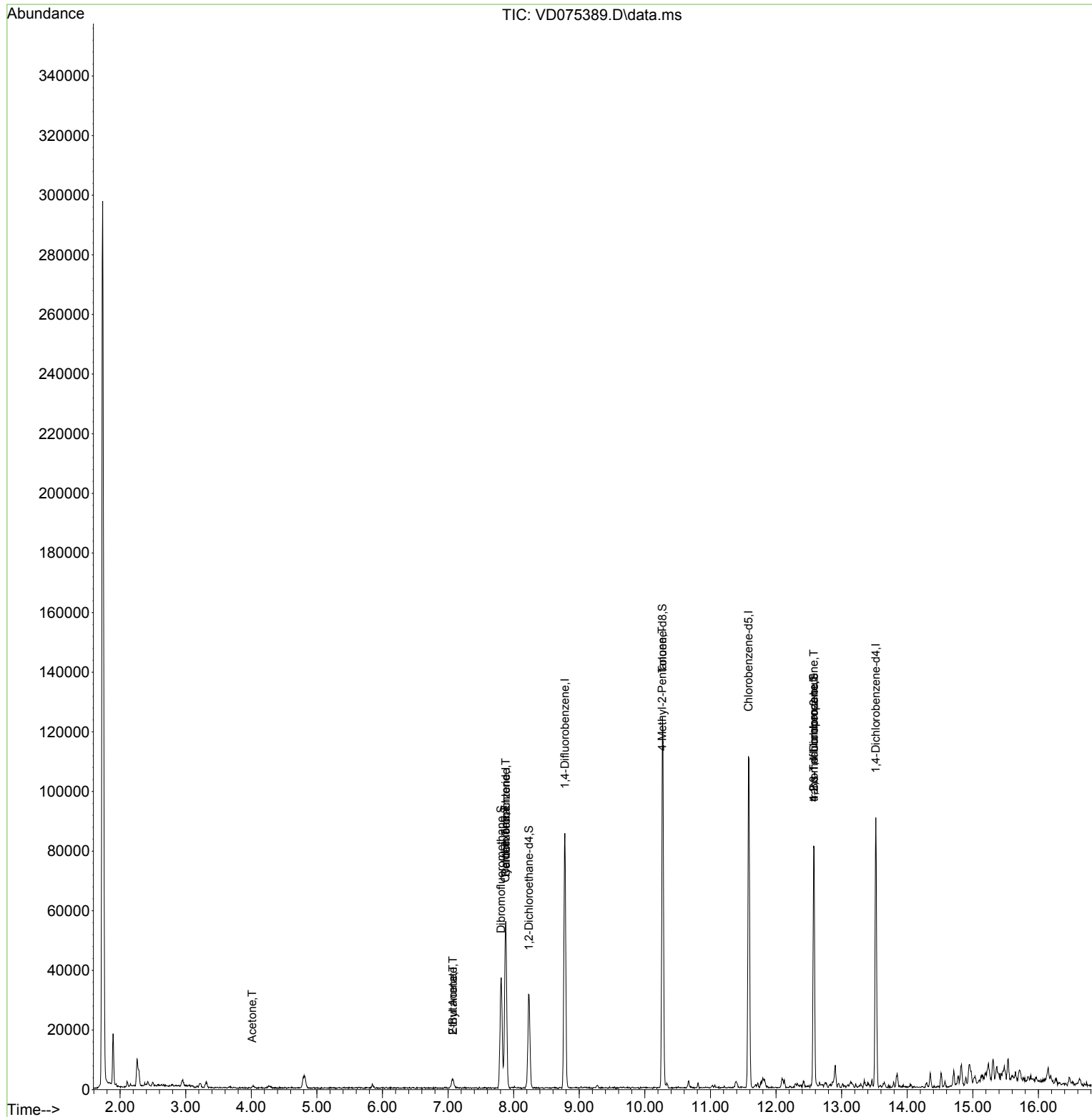
Internal Standards						
1) Pentafluorobenzene	7.881	168	41537	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	72511	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	62142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	22920	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	24281	69.104	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 138.200%	
35) Dibromofluoromethane	7.810	113	26127	60.696	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 121.400%	
50) Toluene-d8	10.269	98	81711	52.598	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.200%	
62) 4-Bromofluorobenzene	12.575	95	24126	46.250	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.500%	
Target Compounds						
					Qvalue	
16) Acetone	4.016	43	1267	11.786	ug/l #	44
20) Methylene Chloride	4.793	84	1406	Below Cal	#	87
25) 2-Butanone	7.075	43	334	2.491	ug/l #	50
31) Cyclohexane	7.875	56	1565	1.856	ug/l #	58
37) Ethyl Acetate	7.075	43	334	1.106	ug/l #	80
38) Carbon Tetrachloride	7.881	117	4231	5.473	ug/l #	13
51) 4-Methyl-2-Pentanone	10.263	43	354	1.232	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	13505	75.052	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	13505	176.105	ug/l #	5

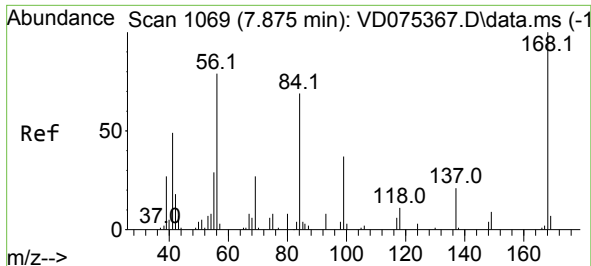
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

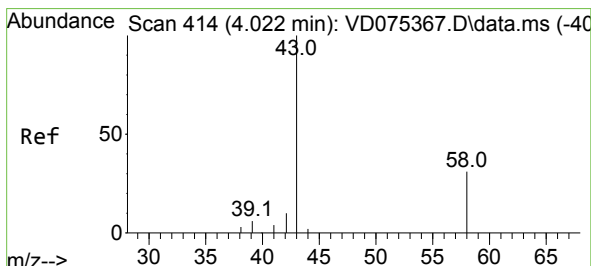
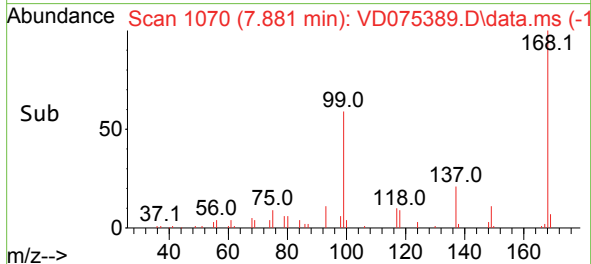
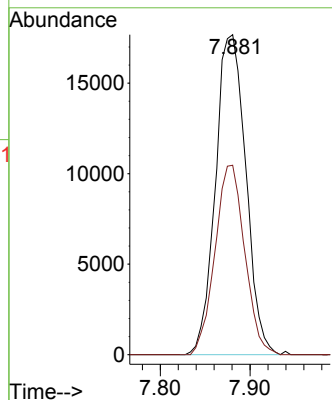
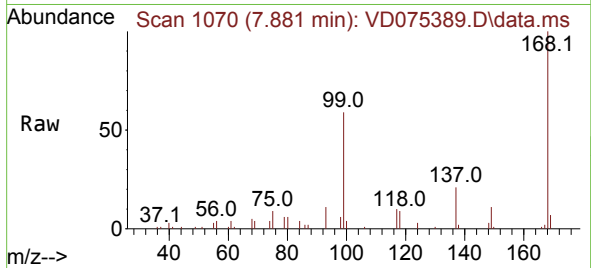




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD075389.D
Acq: 21 Feb 2023 19:06

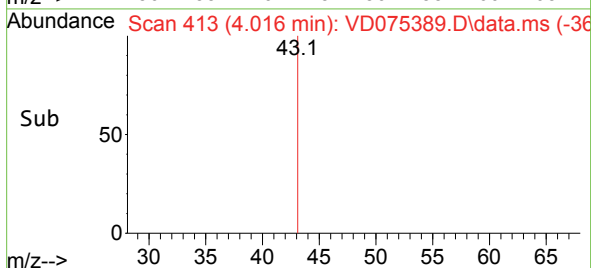
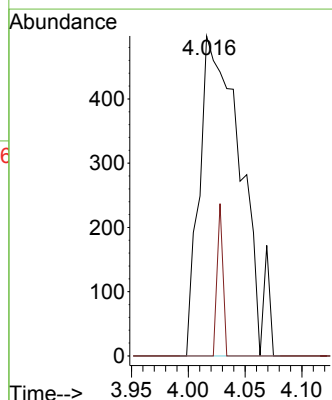
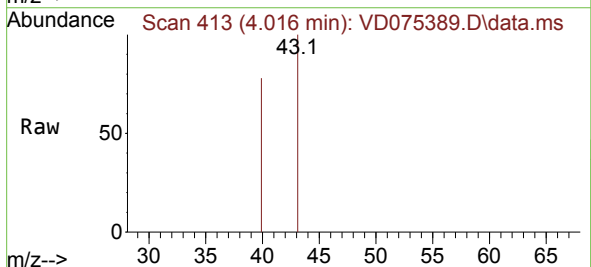
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW10-GW-838-840RE

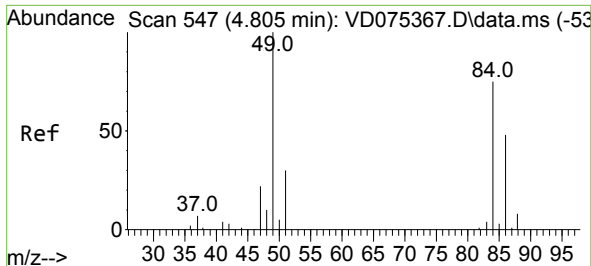
Tgt Ion:168 Resp: 41537
Ion Ratio Lower Upper
168 100
99 59.2 43.8 65.6



#16
Acetone
Concen: 11.786 ug/l
RT: 4.016 min Scan# 413
Delta R.T. -0.006 min
Lab File: VD075389.D
Acq: 21 Feb 2023 19:06

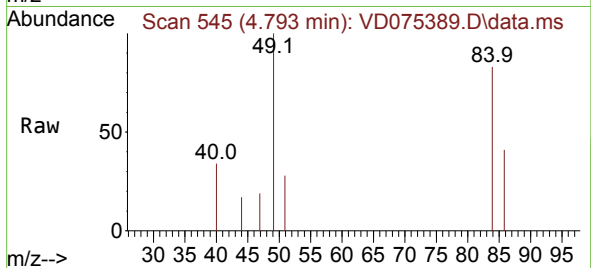
Tgt Ion: 43 Resp: 1267
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



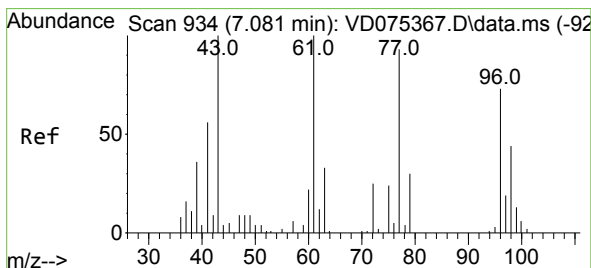
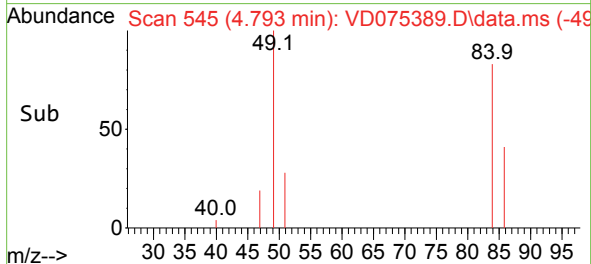
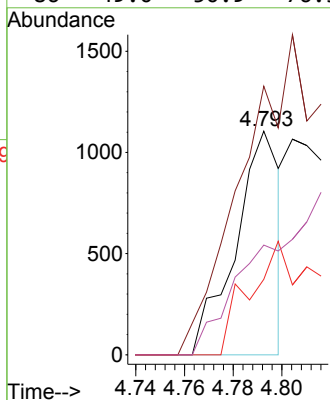


#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 54
Delta R.T. -0.012 min
Lab File: VD075389.D
Acq: 21 Feb 2023 19:06

Instrument :
MSVOA_D
ClientSampleId :
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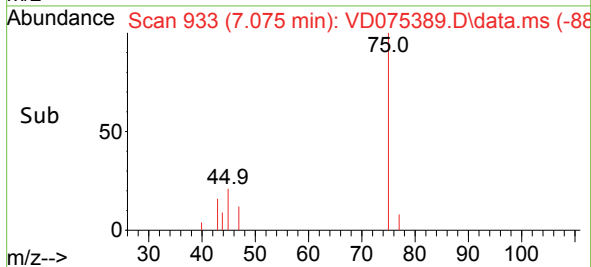
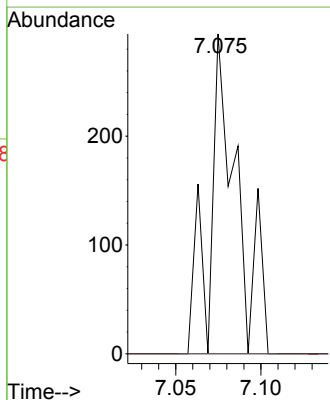
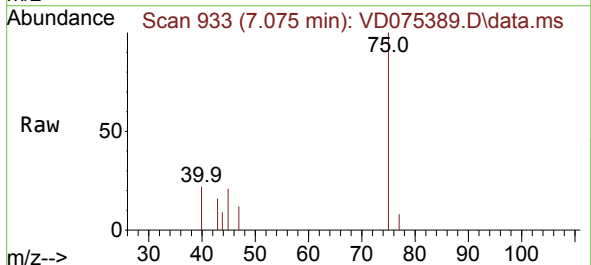


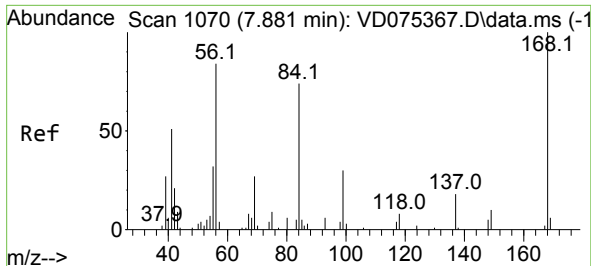
Tgt Ion: 84 Resp: 1406
Ion Ratio Lower Upper
84 100
49 120.1 106.4 159.6
51 33.8 32.4 48.6
86 49.0 50.9 76.3#



#25
2-Butanone
Concen: 2.491 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD075389.D
Acq: 21 Feb 2023 19:06

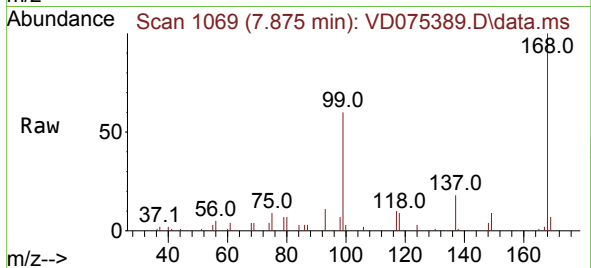
Tgt Ion: 43 Resp: 334
Ion Ratio Lower Upper
43 100
72 0.0 19.8 29.8#



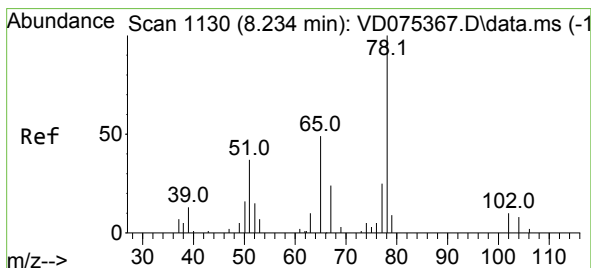
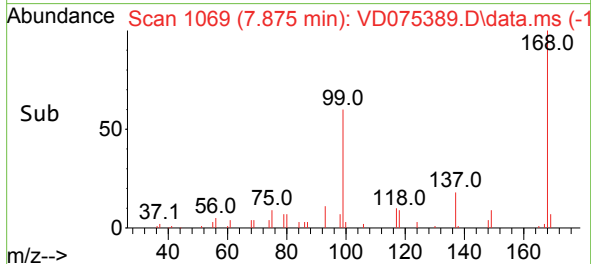
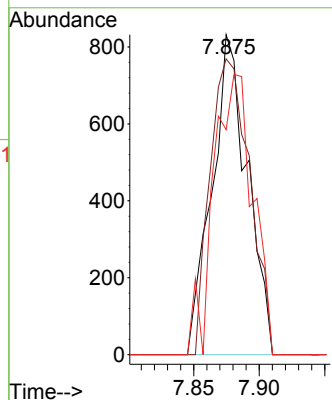


#31
Cyclohexane
Concen: 1.856 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD075389.D
Acq: 21 Feb 2023 19:06

Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW10-GW-838-840RE

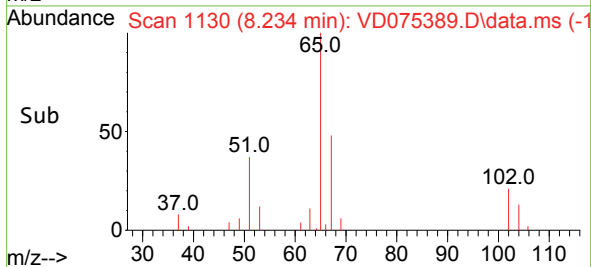
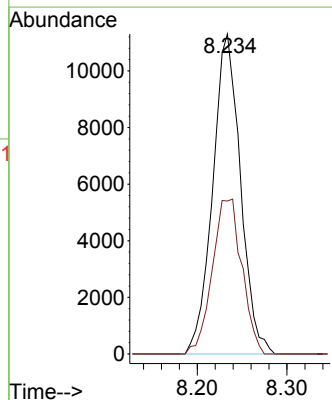
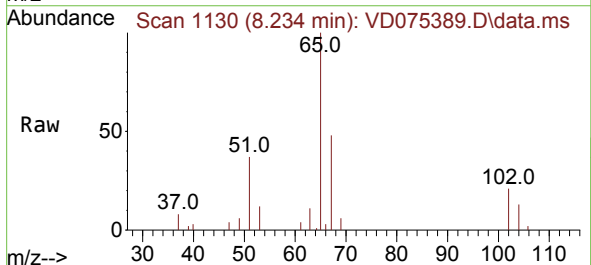


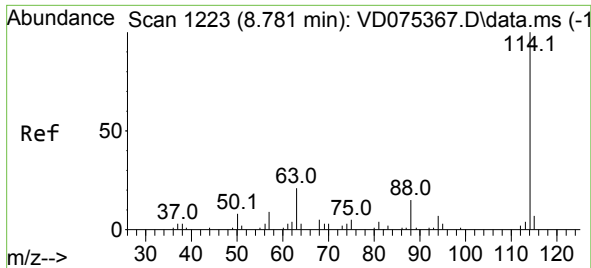
Tgt Ion: 56 Resp: 1565
Ion Ratio Lower Upper
56 100
69 92.4 25.5 38.3#
84 70.3 69.6 104.4



#33
1,2-Dichloroethane-d4
Concen: 69.104 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD075389.D
Acq: 21 Feb 2023 19:06

Tgt Ion: 65 Resp: 24281
Ion Ratio Lower Upper
65 100
67 51.6 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD075389.D

Acq: 21 Feb 2023 19:06

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB-RW10-GW-838-840RE

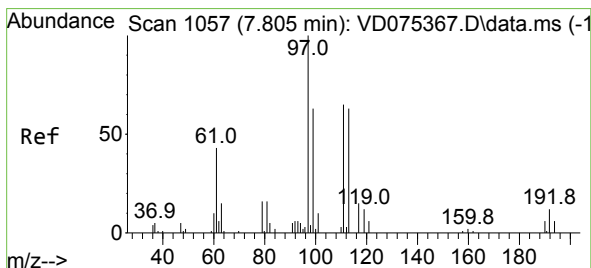
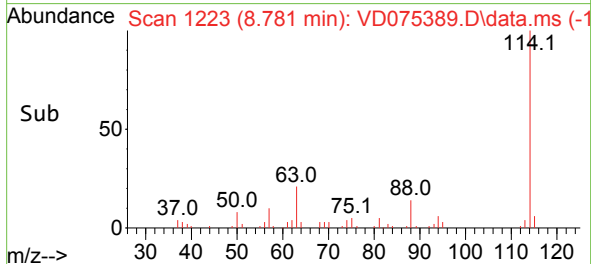
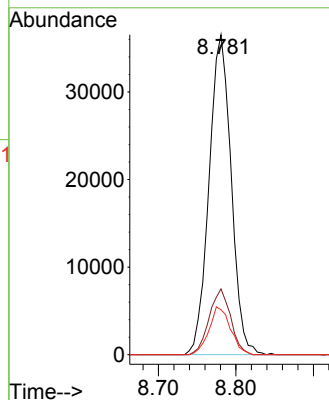
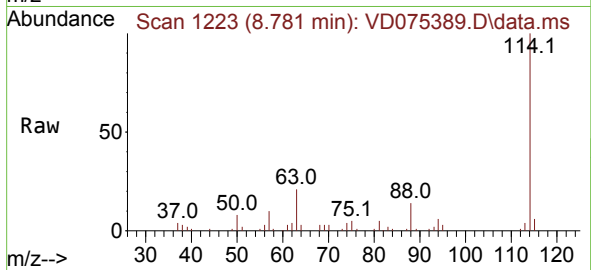
Tgt Ion:114 Resp: 72511

Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.6

88 14.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 60.696 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD075389.D

Acq: 21 Feb 2023 19:06

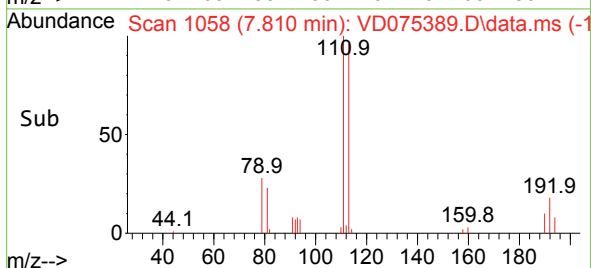
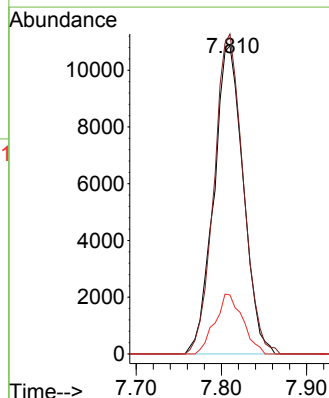
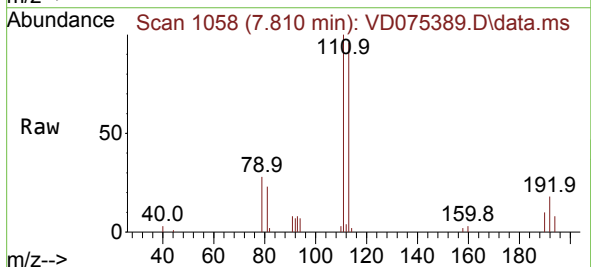
Tgt Ion:113 Resp: 26127

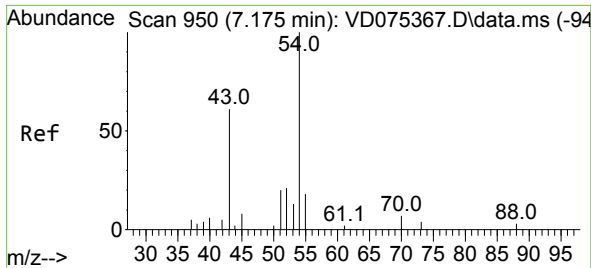
Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.0

192 18.2 15.2 22.8

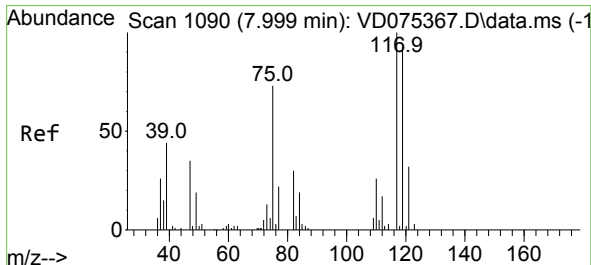
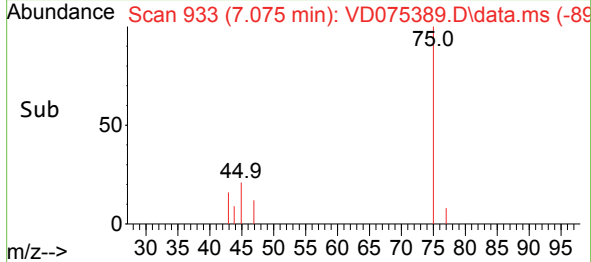
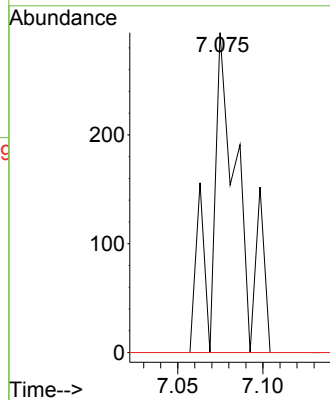
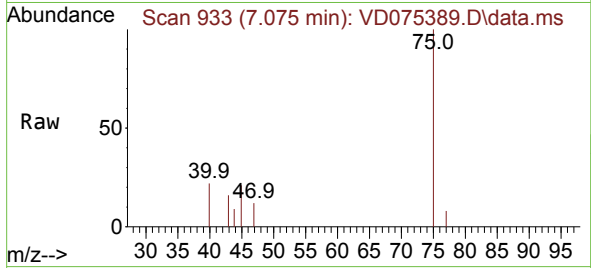




#37
Ethyl Acetate
Concen: 1.106 ug/l
RT: 7.075 min Scan# 91
Delta R.T. -0.100 min
Lab File: VD075389.D
Acq: 21 Feb 2023 19:06

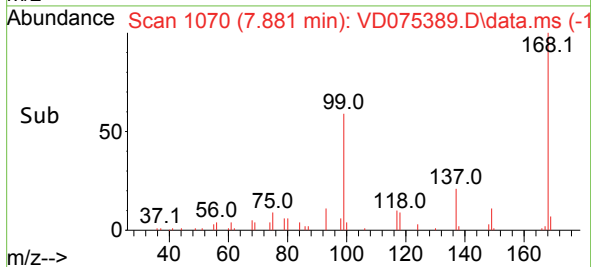
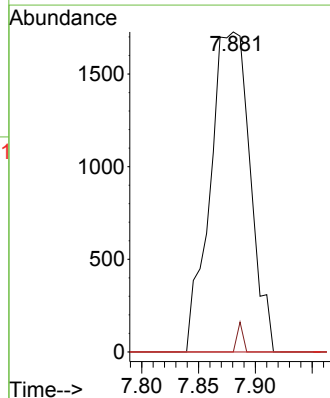
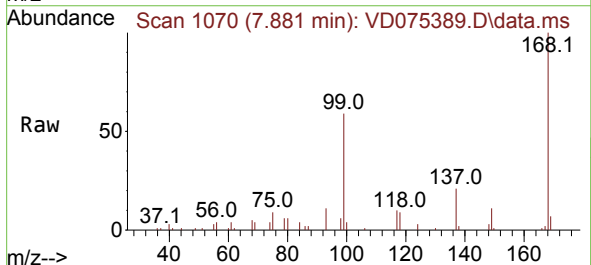
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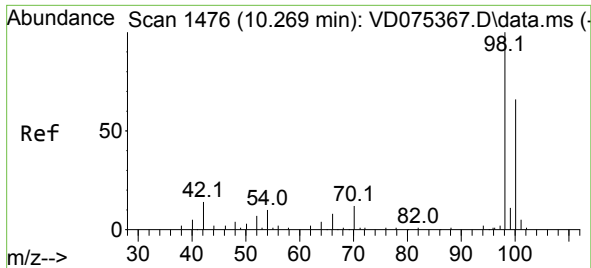
Tgt Ion: 43 Resp: 334
Ion Ratio Lower Upper
43 100
61 0.0 0.0 0.0
70 0.0 5.6 8.4#



#38
Carbon Tetrachloride
Concen: 5.473 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.118 min
Lab File: VD075389.D
Acq: 21 Feb 2023 19:06

Tgt Ion: 117 Resp: 4231
Ion Ratio Lower Upper
117 100
119 0.0 74.7 112.1#
121 0.0 25.9 38.9#

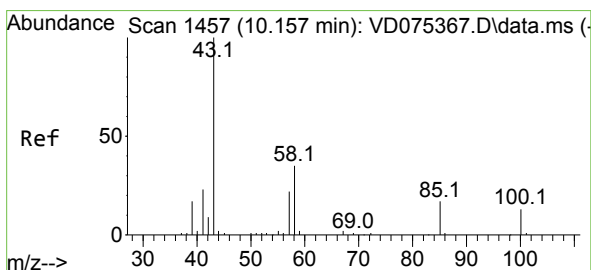
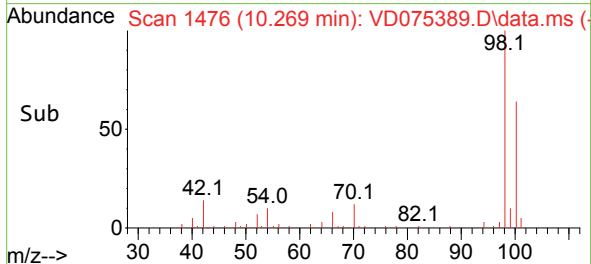
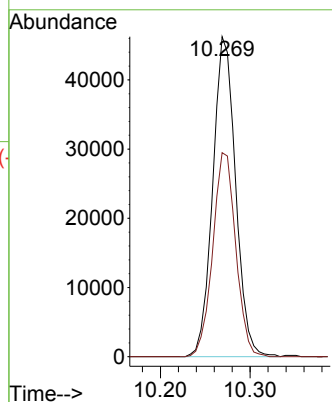
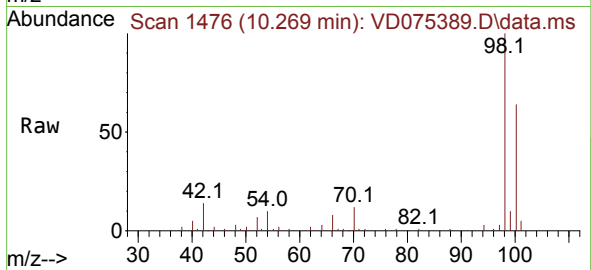




#50
Toluene-d8
Concen: 52.598 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD075389.D
Acq: 21 Feb 2023 19:06

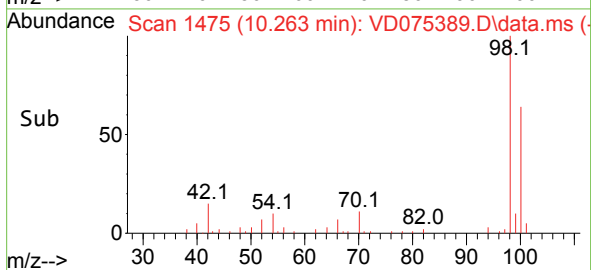
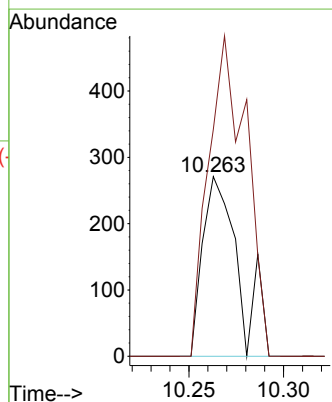
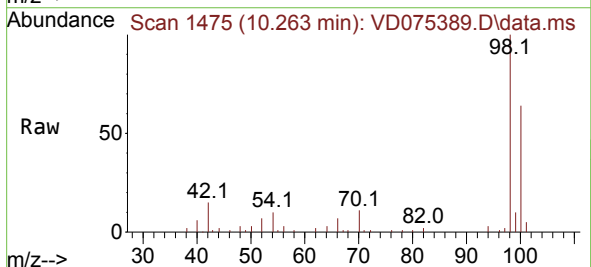
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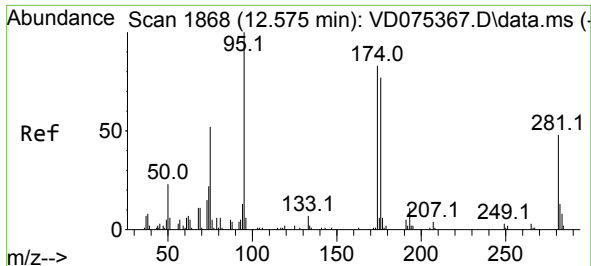
Tgt Ion: 98 Resp: 81711
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.232 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. 0.106 min
Lab File: VD075389.D
Acq: 21 Feb 2023 19:06

Tgt Ion: 43 Resp: 354
Ion Ratio Lower Upper
43 100
58 190.4 29.5 44.3#

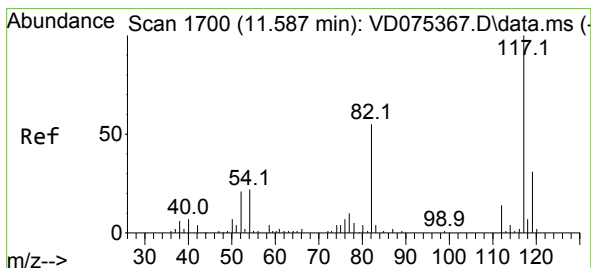
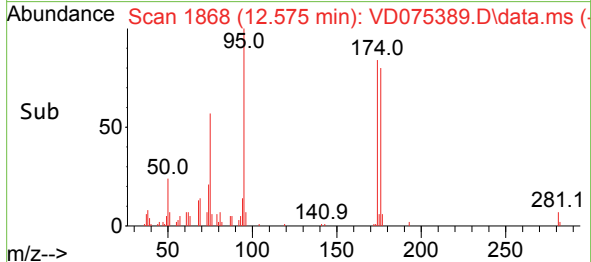
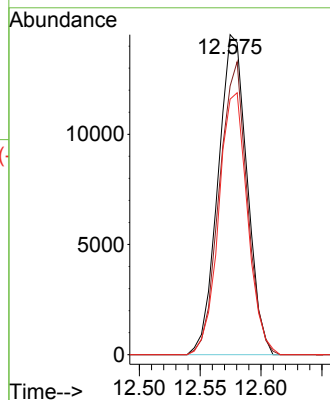
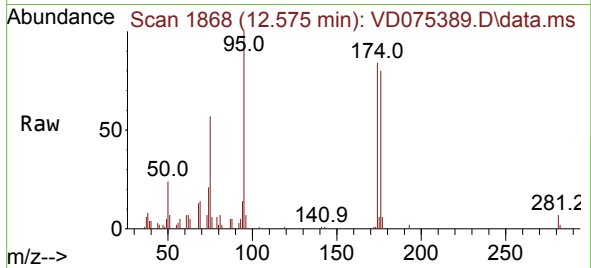




#62
4-Bromofluorobenzene
Concen: 46.250 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075389.D
Acq: 21 Feb 2023 19:06

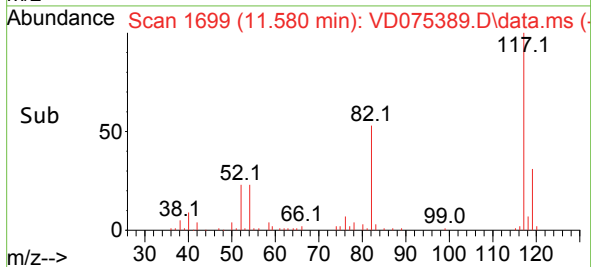
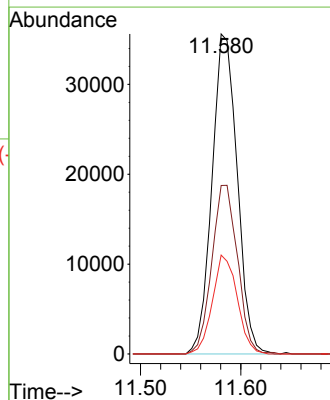
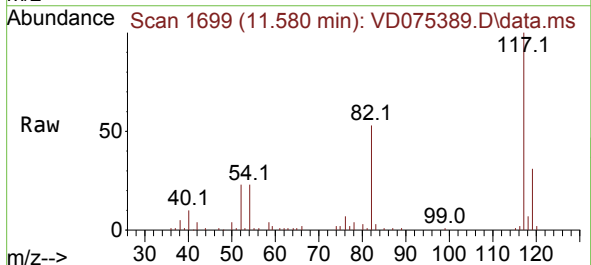
Instrument :
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BP-VPB-RW10-GW-838-840RE

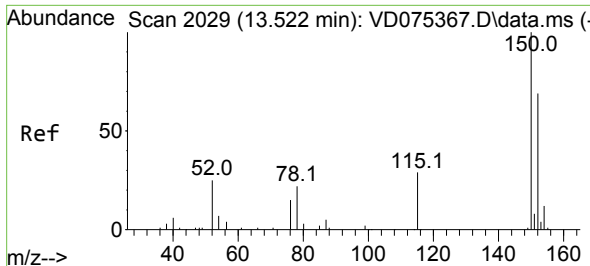
Tgt Ion:	95	Resp:	24126
Ion	Ratio	Lower	Upper
95	100		
174	88.0	0.0	164.0
176	81.0	0.0	156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 1699
Delta R.T. -0.007 min
Lab File: VD075389.D
Acq: 21 Feb 2023 19:06

Tgt Ion:	117	Resp:	62142
Ion	Ratio	Lower	Upper
117	100		
82	52.7	44.0	66.0
119	30.9	25.1	37.7

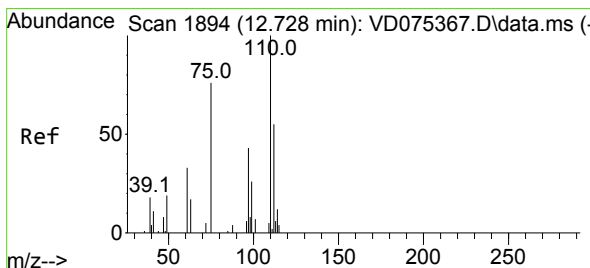
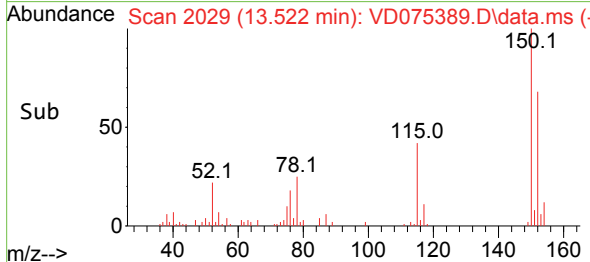
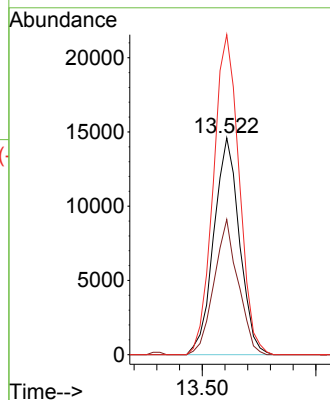
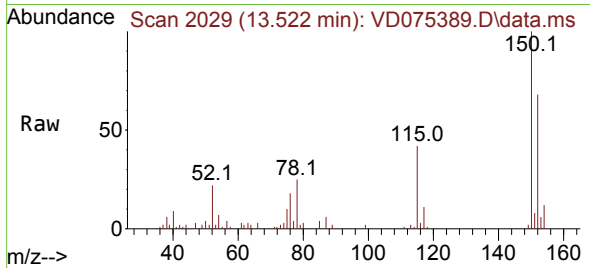




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VD075389.D
 Acq: 21 Feb 2023 19:06

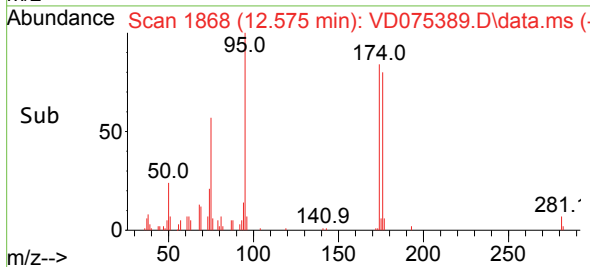
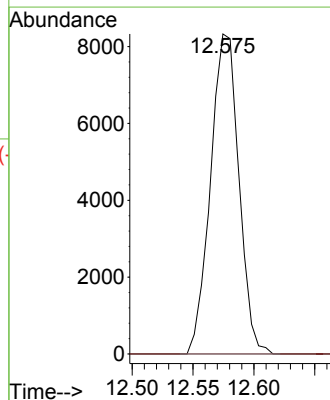
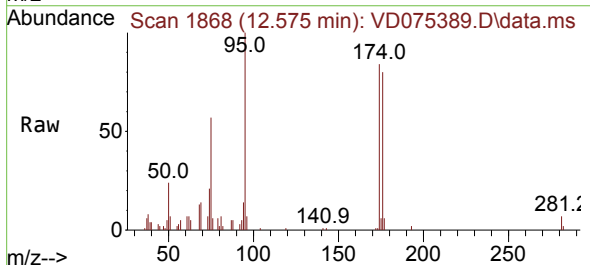
Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB-RW10-GW-838-840RE

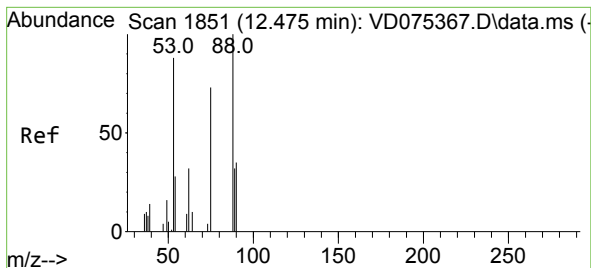
Tgt Ion:152 Resp: 22920
 Ion Ratio Lower Upper
 152 100
 115 58.5 30.1 90.3
 150 148.8 0.0 364.8



#76
 1,2,3-Trichloropropane
 Concen: 75.052 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD075389.D
 Acq: 21 Feb 2023 19:06

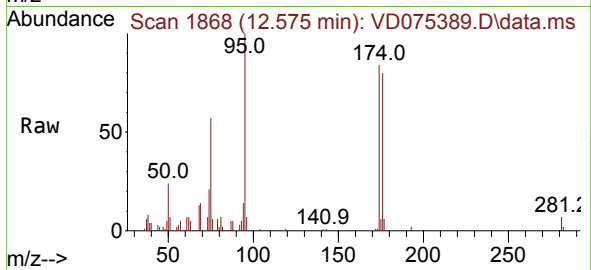
Tgt Ion: 75 Resp: 13505
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 176.105 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD075389.D
 Acq: 21 Feb 2023 19:06

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB-RW10-GW-838-840RE



Tgt Ion: 75 Resp: 13505
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 40.2 60.4#

