

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092622\
 Data File : VD074429.D
 Acq On : 26 Sep 2022 19:59
 Operator : VA/SY
 Sample : N4764-07
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 355

Quant Time: Sep 27 04:11:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D092622S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 03:19:14 2022
 Response via : Initial Calibration

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

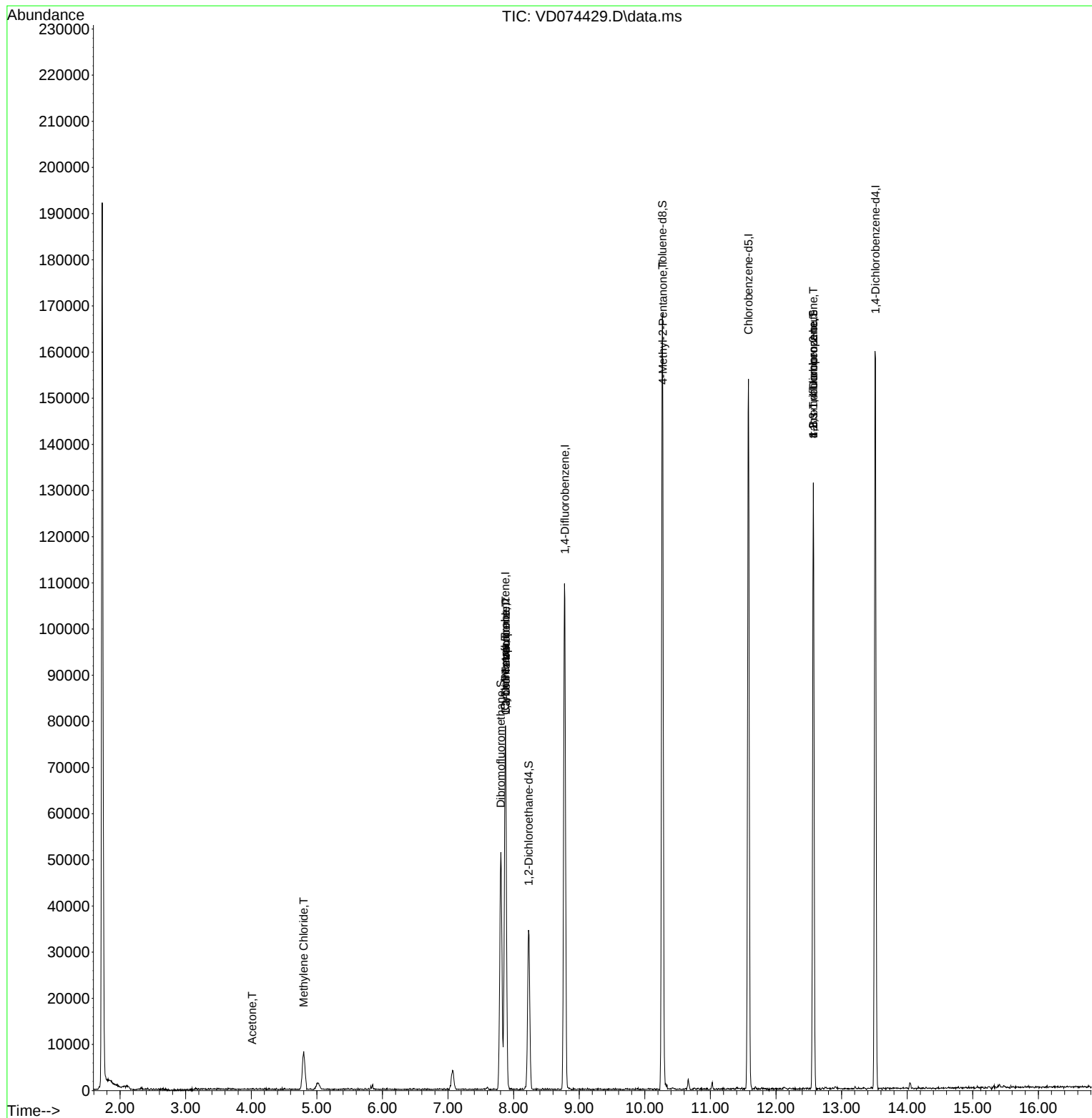
Internal Standards						
1) Pentafluorobenzene	7.875	168	64945	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	107024	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	98196	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	46425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	28633	51.209	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.420%			
35) Dibromofluoromethane	7.805	113	37617	52.378	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.760%			
50) Toluene-d8	10.269	98	124357	51.095	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.180%			
62) 4-Bromofluorobenzene	12.569	95	39744	46.335	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.660%			
Target Compounds						
3) Chloromethane	2.140	50	321	Below Cal	#	37
11) Tert butyl alcohol	4.999	59	625	Below Cal	#	84
16) Acetone	4.017	43	116	1.069	ug/l #	37
20) Methylene Chloride	4.799	84	6778	1.466	ug/l #	78
31) Cyclohexane	7.869	56	1066	1.123	ug/l #	17
36) 1,1-Dichloropropene	7.881	75	4308	4.433	ug/l #	44
38) Carbon Tetrachloride	7.881	117	6112	6.572	ug/l #	19
51) 4-Methyl-2-Pentanone	10.275	43	325	1.016	ug/l #	1
76) 1,2,3-Trichloropropane	12.569	75	20407	56.200	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.569	75	20407	137.142	ug/l #	17

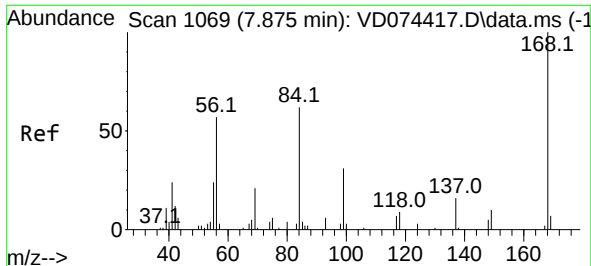
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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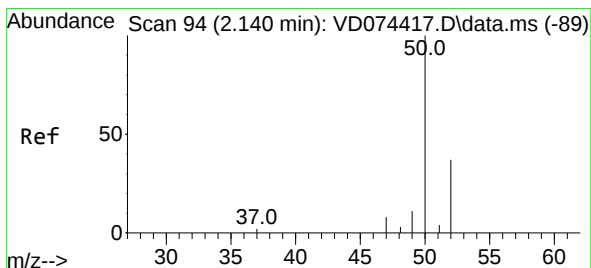
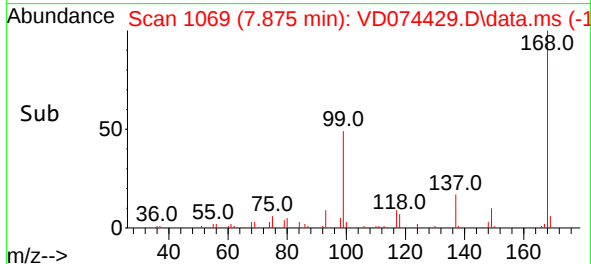
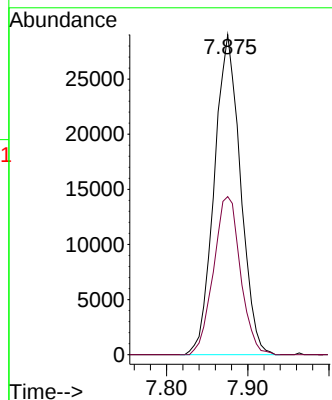
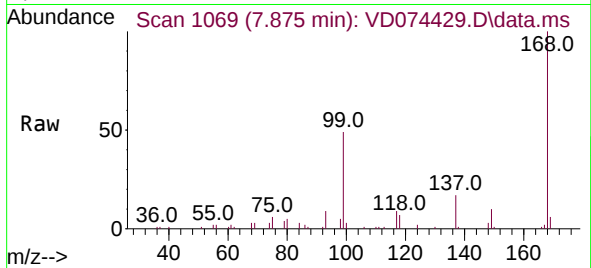




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074429.D
Acq: 26 Sep 2022 19:59

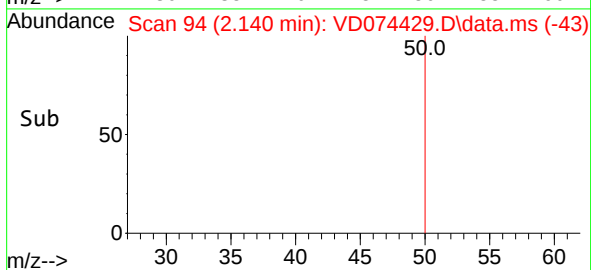
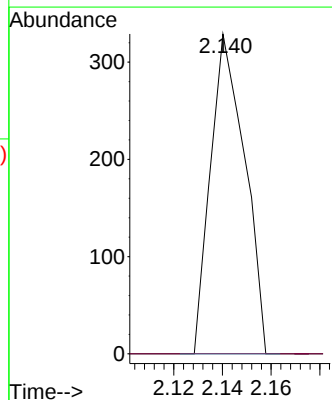
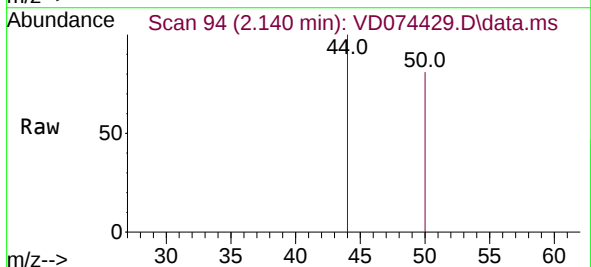
Instrument :
MSVOA_D
ClientSampleId :
355

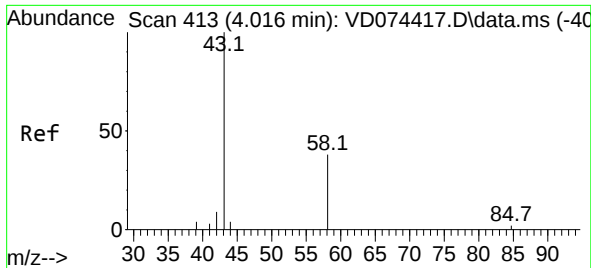
Tgt Ion:168 Resp: 64945
Ion Ratio Lower Upper
168 100
99 49.4 40.9 61.3



#3
Chloromethane
Concen: Below Cal
RT: 2.140 min Scan# 94
Delta R.T. 0.000 min
Lab File: VD074429.D
Acq: 26 Sep 2022 19:59

Tgt Ion: 50 Resp: 321
Ion Ratio Lower Upper
50 100
52 0.0 30.0 45.0#





#16

Acetone

Concen: 1.069 ug/l

RT: 4.017 min Scan# 41

Delta R.T. 0.000 min

Lab File: VD074429.D

Acq: 26 Sep 2022 19:59

Instrument :

MSVOA_D

ClientSampleId :

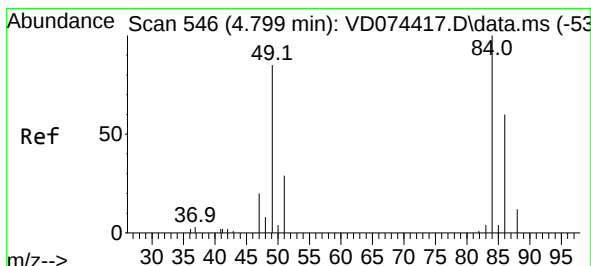
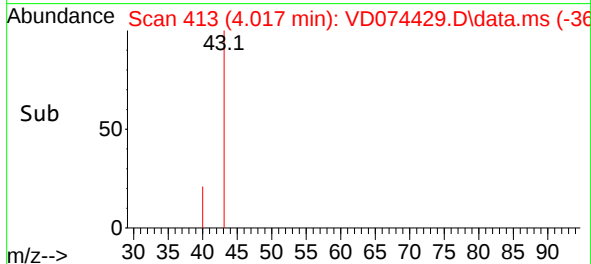
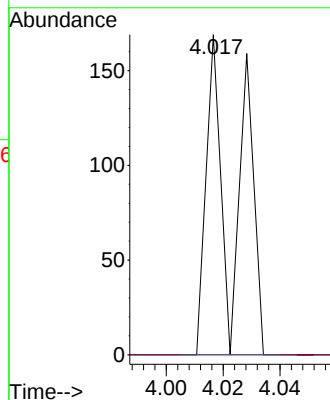
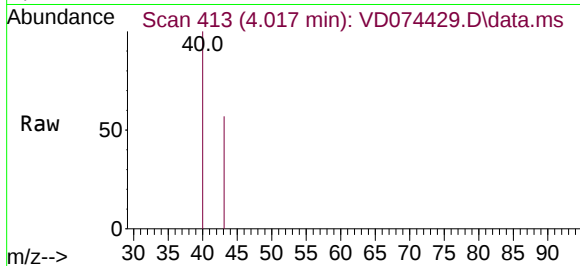
355

Tgt Ion: 43 Resp: 116

Ion Ratio Lower Upper

43 100

58 0.0 30.2 45.2#



#20

Methylene Chloride

Concen: 1.466 ug/l

RT: 4.799 min Scan# 546

Delta R.T. -0.000 min

Lab File: VD074429.D

Acq: 26 Sep 2022 19:59

Tgt Ion: 84 Resp: 6778

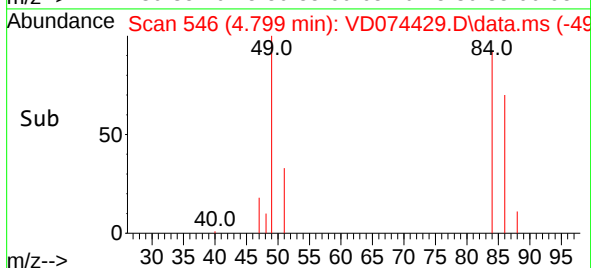
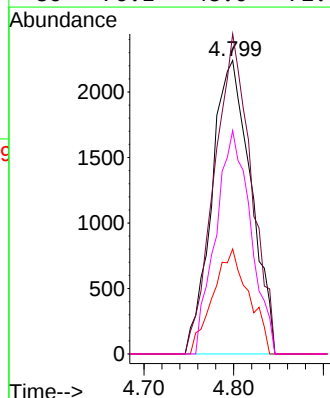
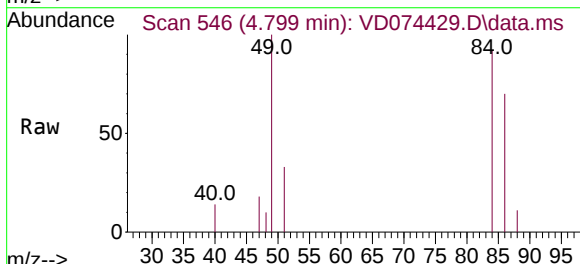
Ion Ratio Lower Upper

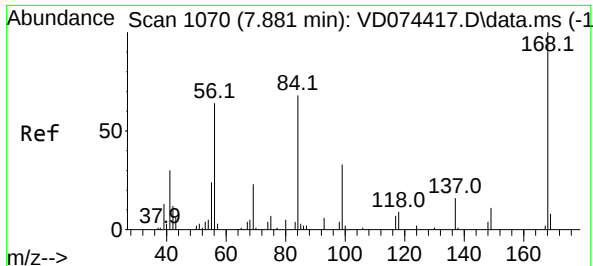
84 100

49 109.1 68.0 102.0#

51 35.8 23.2 34.8#

86 76.1 48.0 72.0#

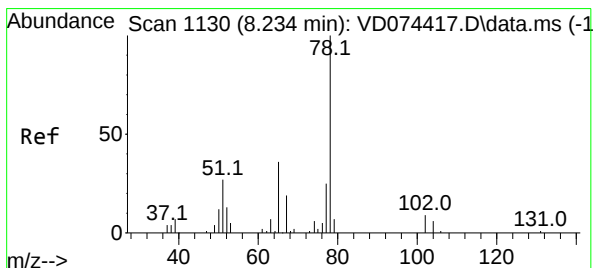
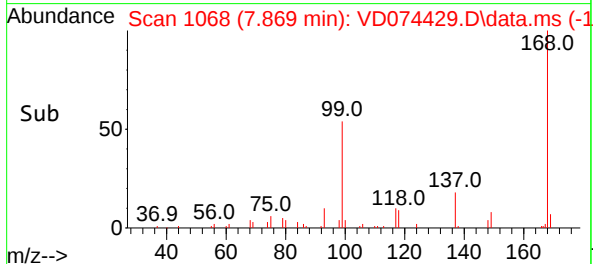
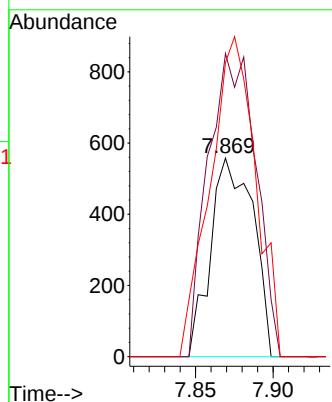
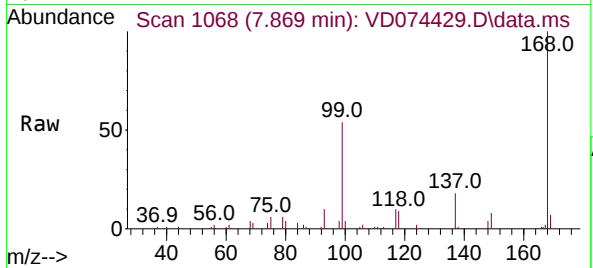




#31
Cyclohexane
Concen: 1.123 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD074429.D
Acq: 26 Sep 2022 19:59

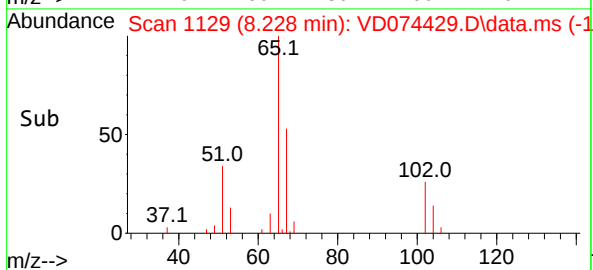
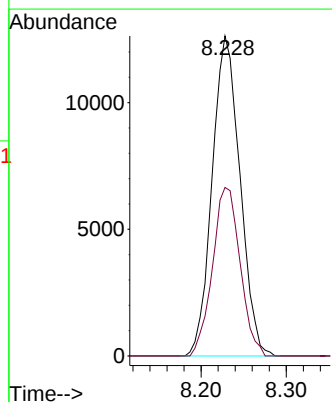
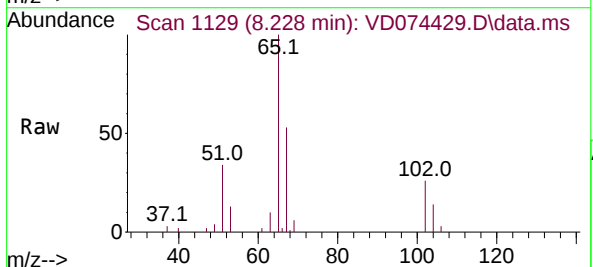
Instrument :
MSVOA_D
ClientSampleId :
355

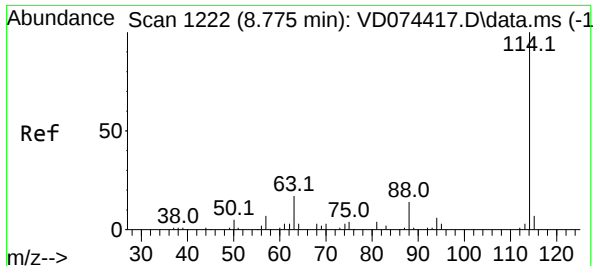
Tgt Ion: 56 Resp: 1066
Ion Ratio Lower Upper
56 100
69 152.7 29.2 43.8#
84 148.0 83.4 125.2#



#33
1,2-Dichloroethane-d4
Concen: 51.209 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD074429.D
Acq: 26 Sep 2022 19:59

Tgt Ion: 65 Resp: 28633
Ion Ratio Lower Upper
65 100
67 52.2 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD074429.D

Acq: 26 Sep 2022 19:59

Instrument :

MSVOA_D

ClientSampleId :

355

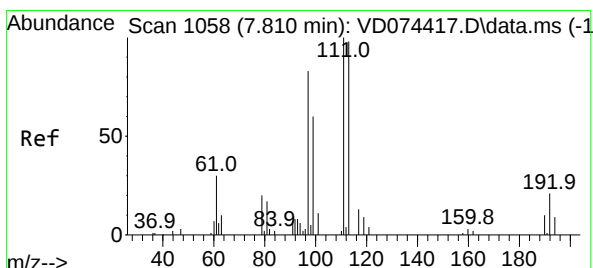
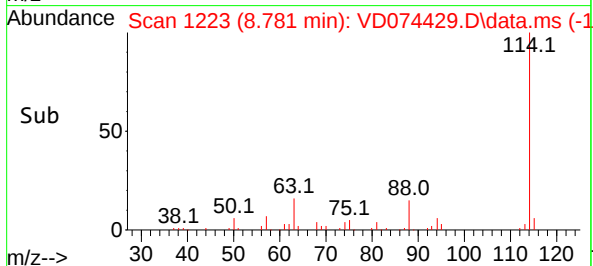
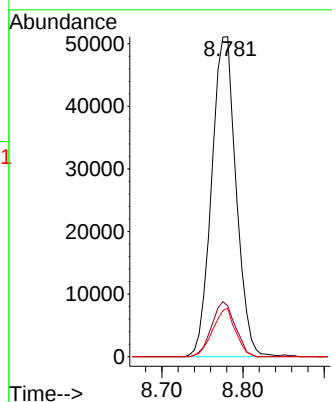
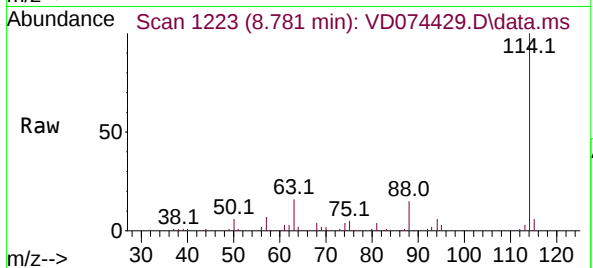
Tgt Ion:114 Resp: 107024

Ion Ratio Lower Upper

114 100

63 15.9 0.0 33.2

88 15.2 0.0 28.2



#35

Dibromofluoromethane

Concen: 52.378 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.005 min

Lab File: VD074429.D

Acq: 26 Sep 2022 19:59

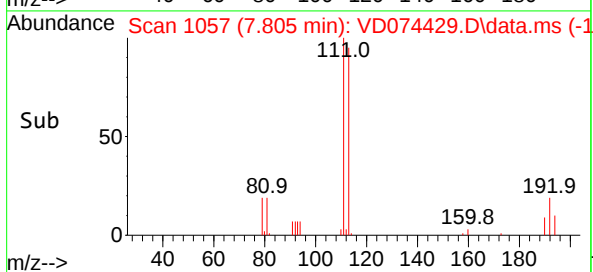
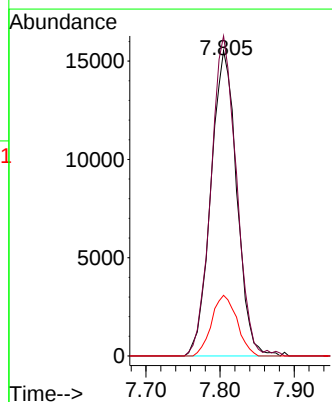
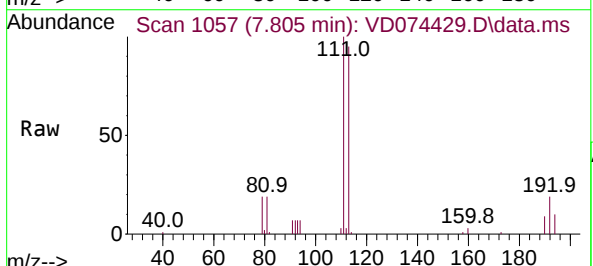
Tgt Ion:113 Resp: 37617

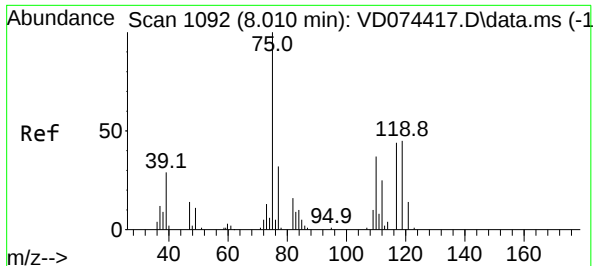
Ion Ratio Lower Upper

113 100

111 103.6 82.3 123.5

192 19.5 16.4 24.6





#36

1,1-Dichloropropene

Concen: 4.433 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.129 min

Lab File: VD074429.D

Acq: 26 Sep 2022 19:59

Instrument :

MSVOA_D

ClientSampleId :

355

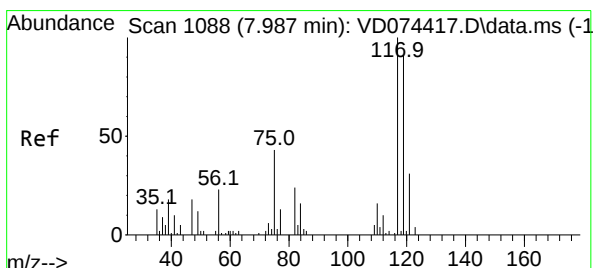
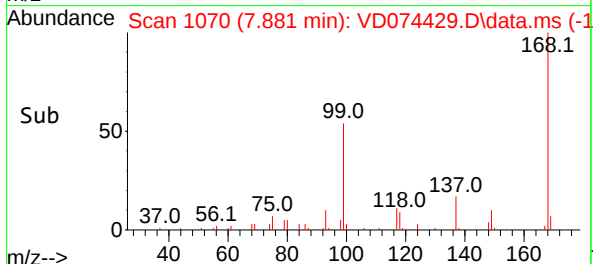
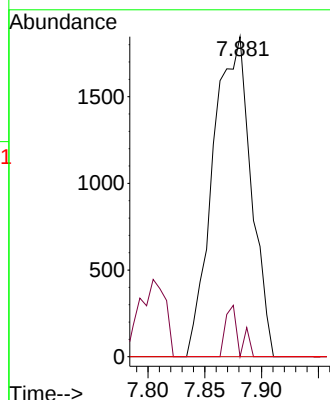
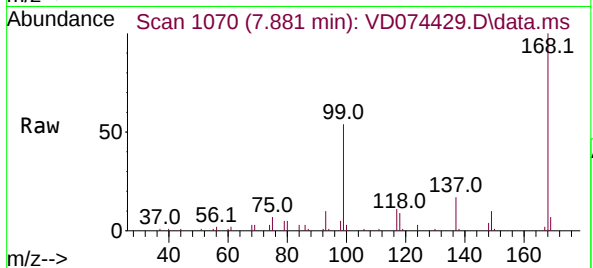
Tgt Ion: 75 Resp: 4308

Ion Ratio Lower Upper

75 100

110 5.8 19.7 59.0#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 6.572 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.106 min

Lab File: VD074429.D

Acq: 26 Sep 2022 19:59

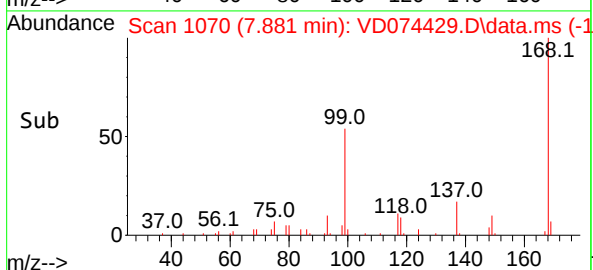
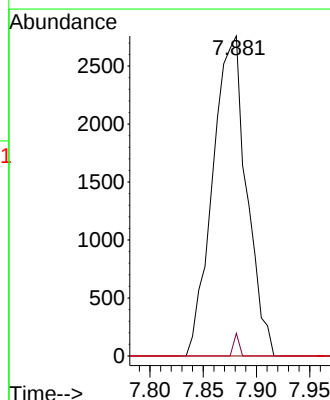
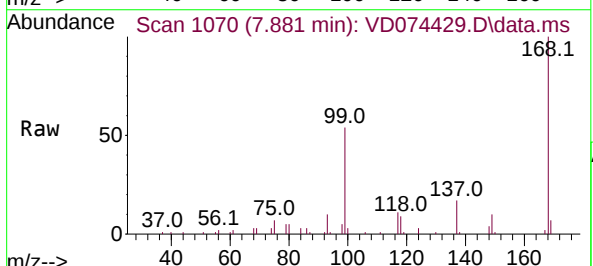
Tgt Ion: 117 Resp: 6112

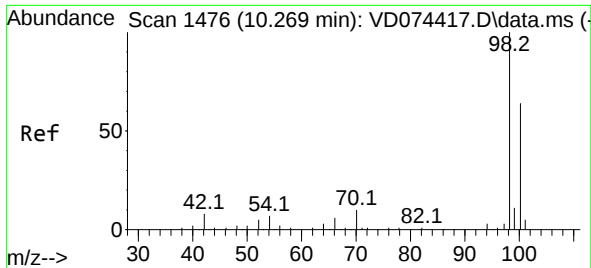
Ion Ratio Lower Upper

117 100

119 7.1 73.1 109.7#

121 0.0 25.0 37.6#

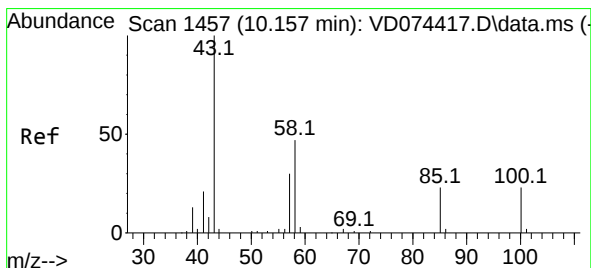
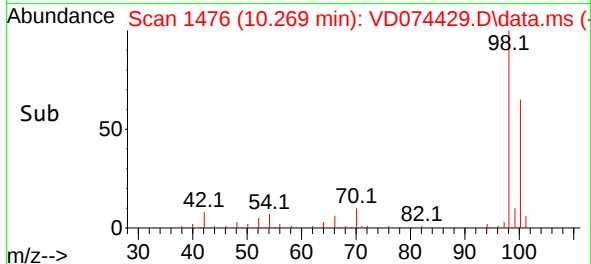
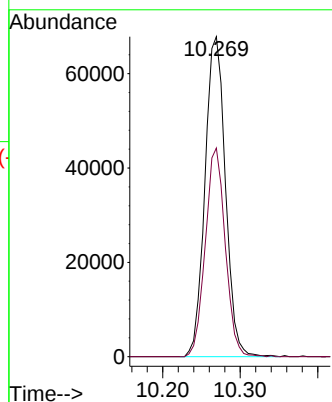
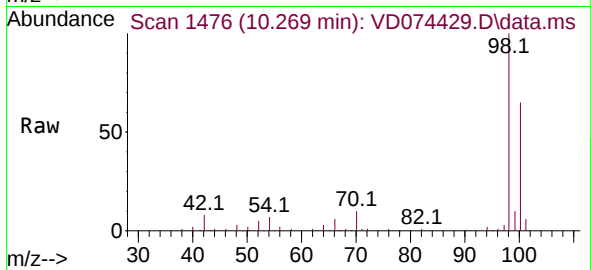




#50
Toluene-d8
Concen: 51.095 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074429.D
Acq: 26 Sep 2022 19:59

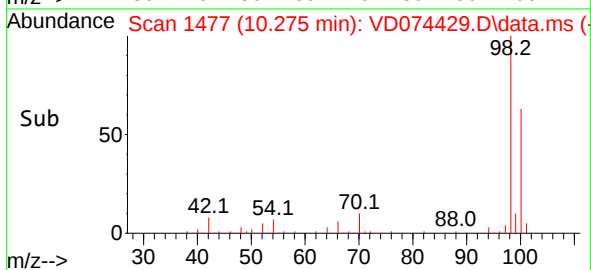
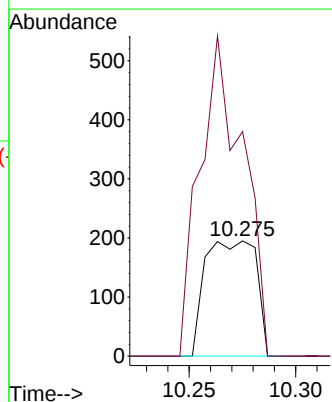
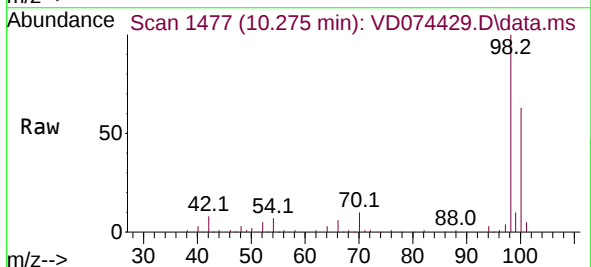
Instrument :
MSVOA_D
ClientSampleId :
355

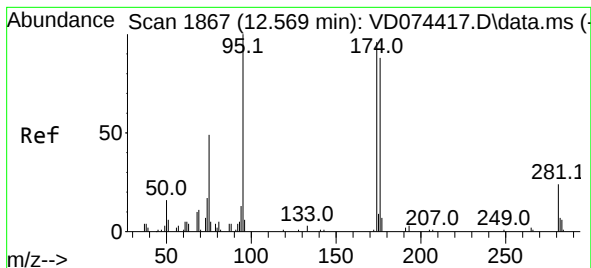
Tgt Ion: 98 Resp: 124357
Ion Ratio Lower Upper
98 100
100 63.5 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.016 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.118 min
Lab File: VD074429.D
Acq: 26 Sep 2022 19:59

Tgt Ion: 43 Resp: 325
Ion Ratio Lower Upper
43 100
58 234.5 37.8 56.6#

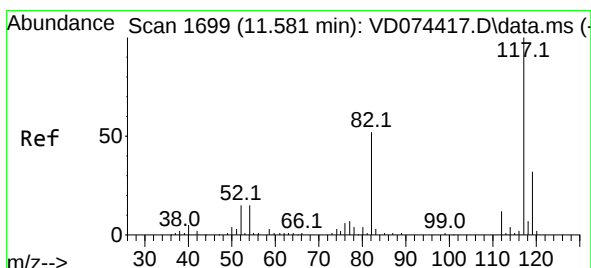
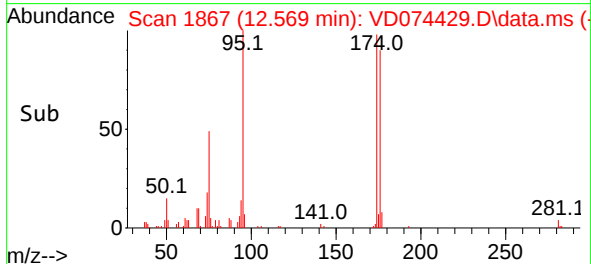
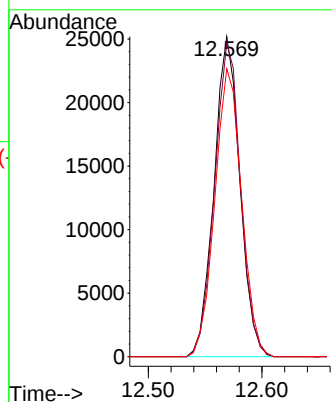
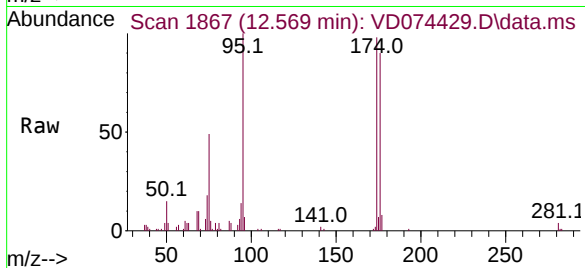




#62
4-Bromofluorobenzene
Concen: 46.335 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD074429.D
Acq: 26 Sep 2022 19:59

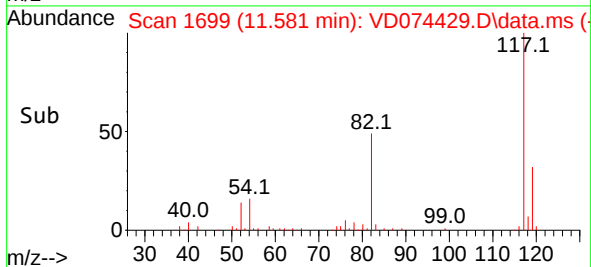
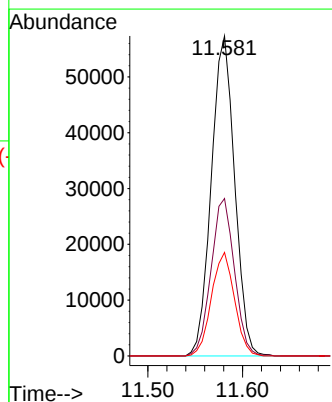
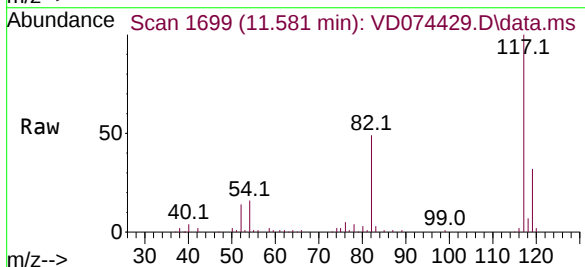
Instrument :
MSVOA_D
ClientSampleId :
355

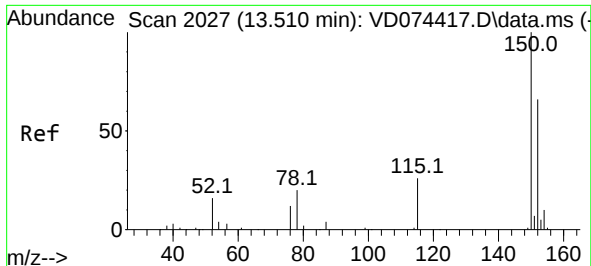
Tgt Ion: 95 Resp: 39744
Ion Ratio Lower Upper
95 100
174 98.6 0.0 197.0
176 93.5 0.0 182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD074429.D
Acq: 26 Sep 2022 19:59

Tgt Ion: 117 Resp: 98196
Ion Ratio Lower Upper
117 100
82 49.2 41.6 62.4
119 32.4 25.2 37.8

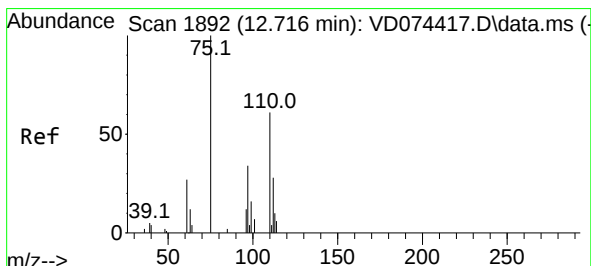
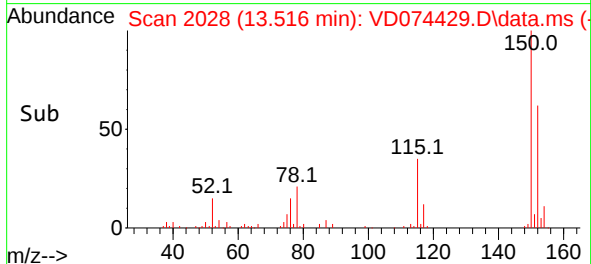
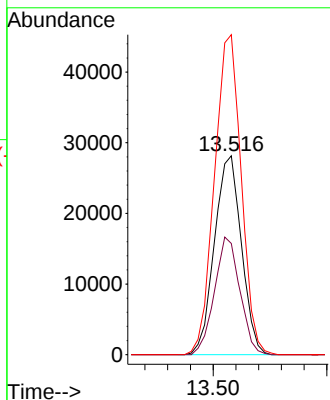
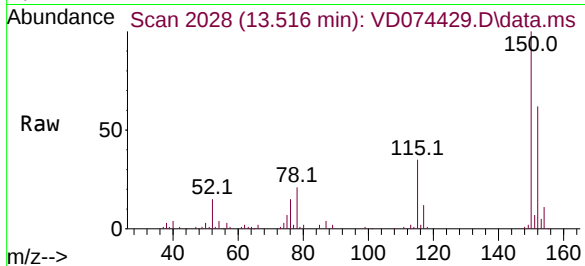




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2027
 Delta R.T. 0.006 min
 Lab File: VD074429.D
 Acq: 26 Sep 2022 19:59

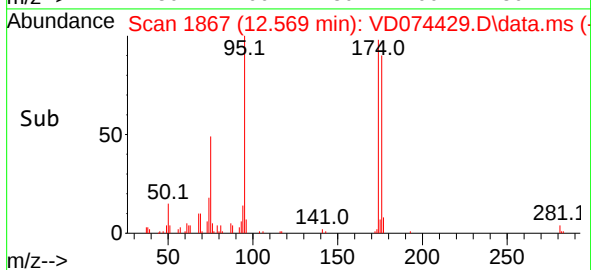
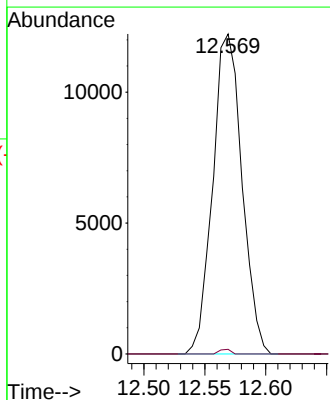
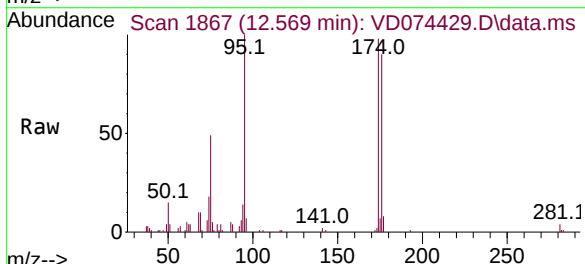
Instrument :
 MSVOA_D
 ClientSampleId :
 355

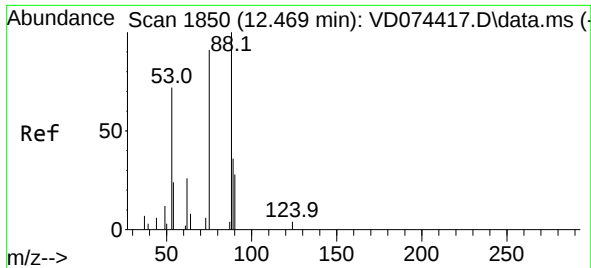
Tgt Ion:152 Resp: 46425
 Ion Ratio Lower Upper
 152 100
 115 55.7 26.8 80.4
 150 159.5 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 56.200 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. -0.147 min
 Lab File: VD074429.D
 Acq: 26 Sep 2022 19:59

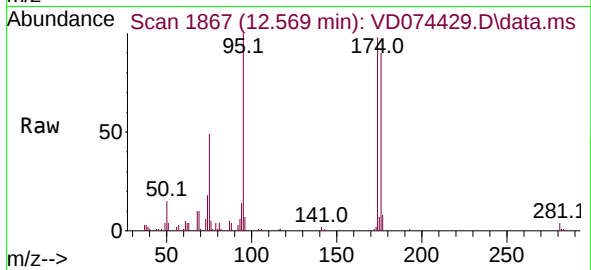
Tgt Ion: 75 Resp: 20407
 Ion Ratio Lower Upper
 75 100
 77 0.6 185.8 557.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.142 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD074429.D
 Acq: 26 Sep 2022 19:59

Instrument :
 MSVOA_D
 ClientSampleId :
 355



Tgt Ion:	75	Resp:	20407
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.8	95.6#
89	0.0	38.2	57.4#

