

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040723\
 Data File : VD075603.D
 Acq On : 07 Apr 2023 16:16
 Operator : KP/SY
 Sample : 02191-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11982

Quant Time: Apr 10 02:07:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 23:52:37 2023
 Response via : Initial Calibration

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

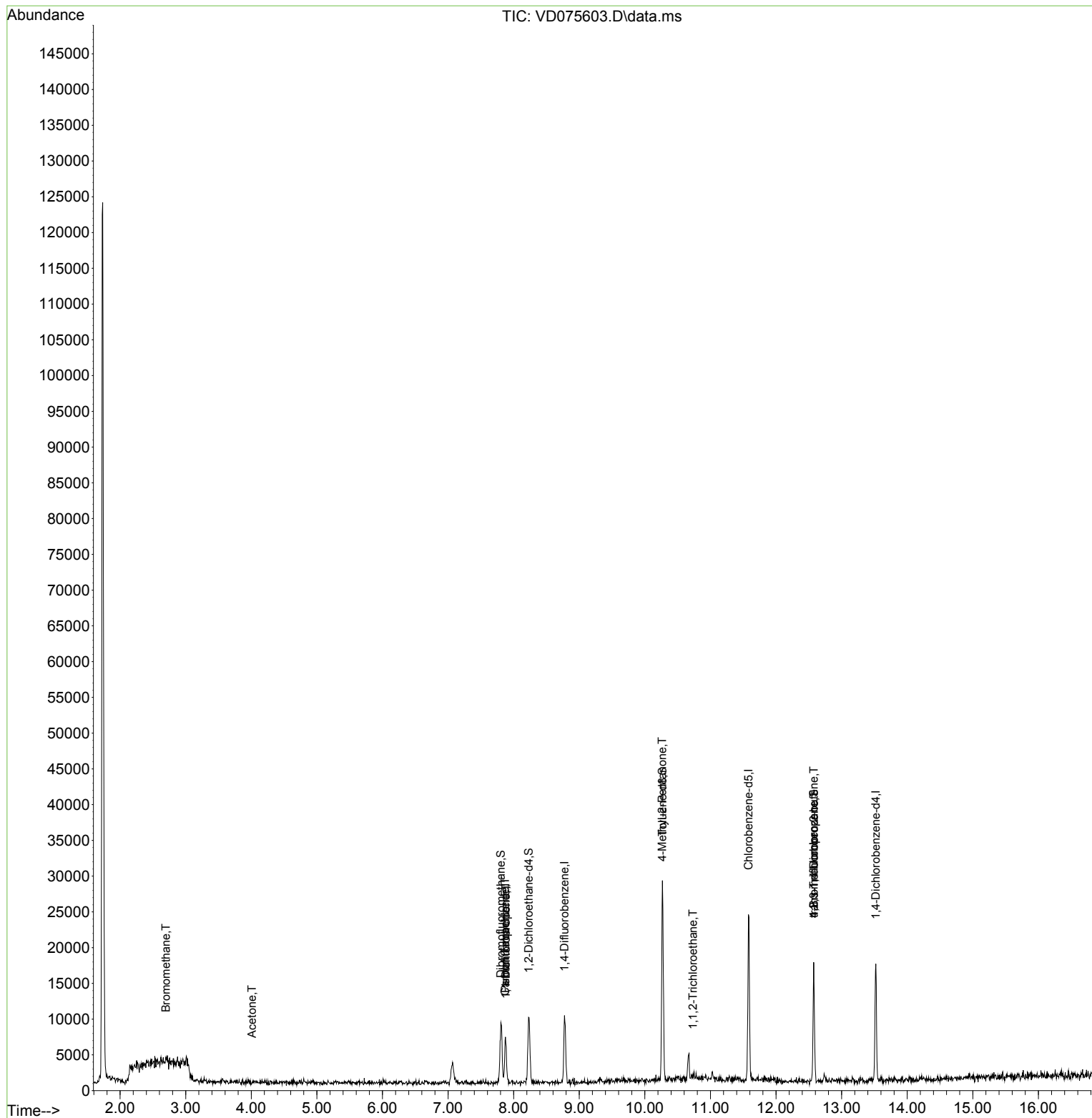
Internal Standards						
1) Pentafluorobenzene	7.875	168	5667	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	10625	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	16106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	5681	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	7341	142.762	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 285.520%#		
35) Dibromofluoromethane	7.804	113	6706	92.153	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 184.300%#		
50) Toluene-d8	10.269	98	21718	75.547	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 151.100%#		
62) 4-Bromofluorobenzene	12.575	95	5254	63.222	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 126.440%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	163	Below Cal	#	40
5) Bromomethane	2.699	94	369	3.463	ug/l #	1
16) Acetone	4.010	43	173	3.425	ug/l #	44
20) Methylene Chloride	4.799	84	150	Below Cal	#	4
36) 1,1-Dichloropropene	7.881	75	161	1.493	ug/l #	42
38) Carbon Tetrachloride	7.869	117	457	4.423	ug/l #	13
51) 4-Methyl-2-Pentanone	10.263	43	56	2.071	ug/l #	38
55) 1,1,2-Trichloroethane	10.734	97	61	1.006	ug/l #	13
76) 1,2,3-Trichloropropane	12.575	75	2581	55.395	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	2581	116.519	ug/l #	5

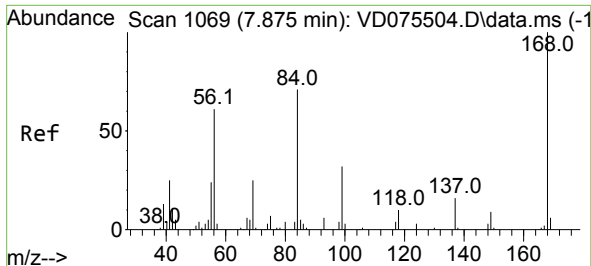
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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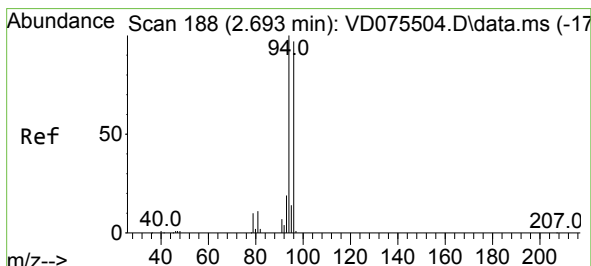
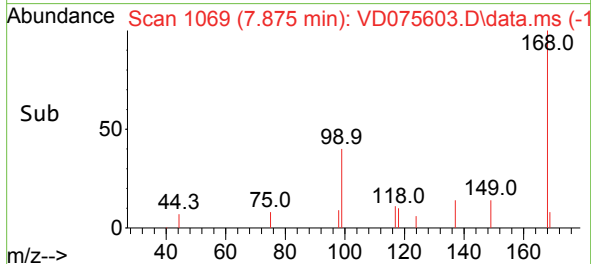
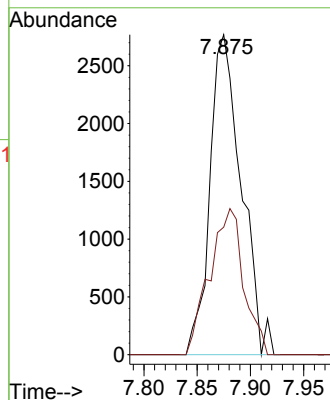
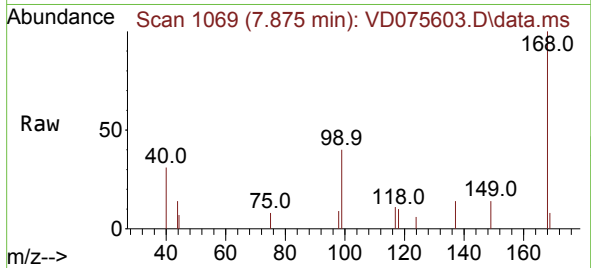




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD075603.D
Acq: 07 Apr 2023 16:16

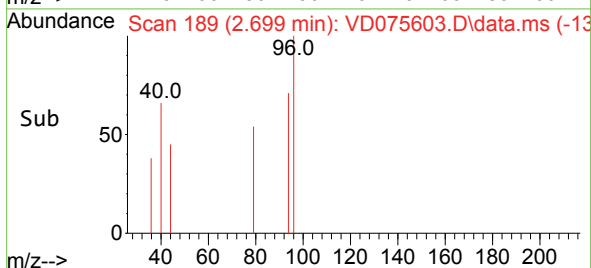
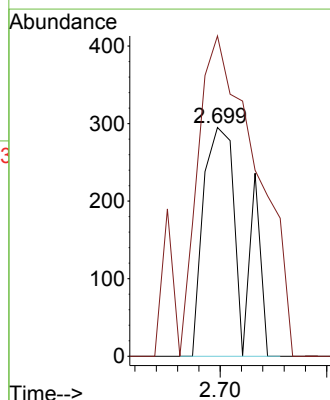
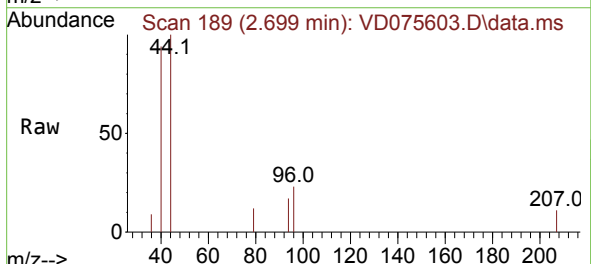
Instrument :
MSVOA_D
ClientSampleId :
72-11982

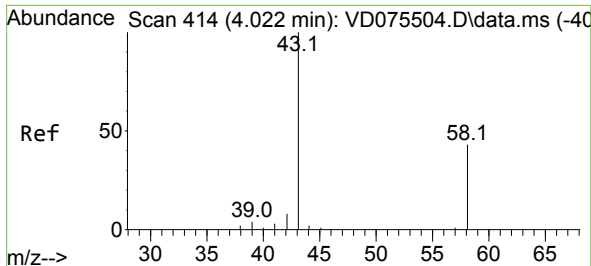
Tgt Ion:168 Resp: 5667
Ion Ratio Lower Upper
168 100
99 39.9 43.8 65.6#



#5
Bromomethane
Concen: 3.463 ug/l
RT: 2.699 min Scan# 189
Delta R.T. 0.006 min
Lab File: VD075603.D
Acq: 07 Apr 2023 16:16

Tgt Ion: 94 Resp: 369
Ion Ratio Lower Upper
94 100
96 232.2 77.5 116.3#

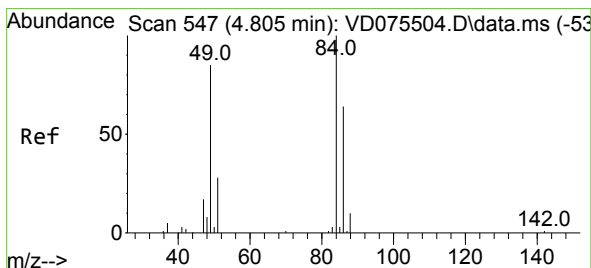
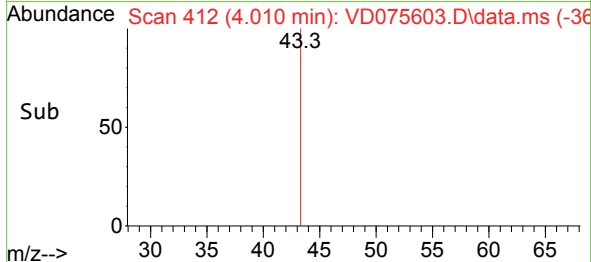
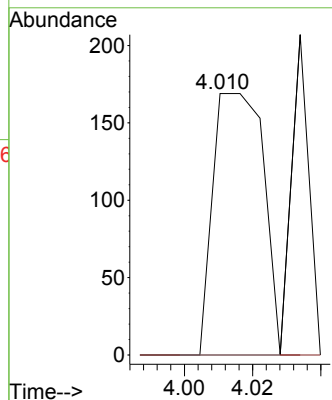
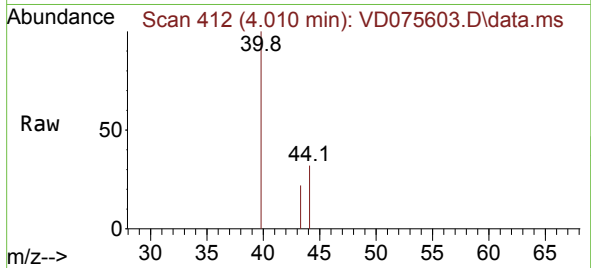




#16
Acetone
Concen: 3.425 ug/l
RT: 4.010 min Scan# 41
Delta R.T. -0.012 min
Lab File: VD075603.D
Acq: 07 Apr 2023 16:16

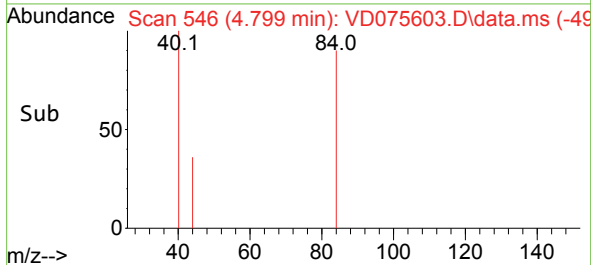
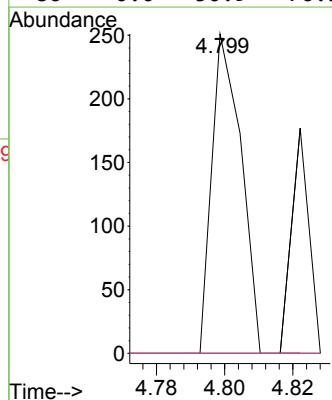
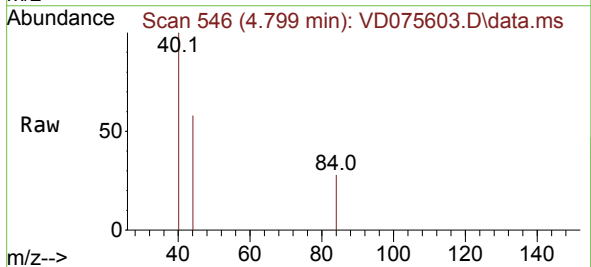
Instrument :
MSVOA_D
ClientSampleId :
72-11982

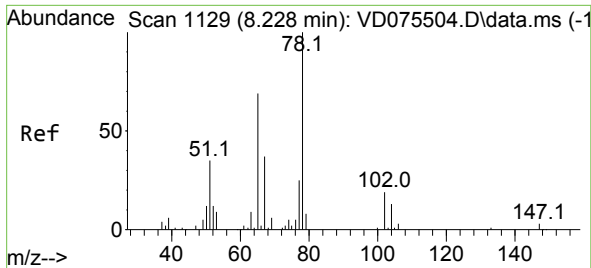
Tgt Ion: 43 Resp: 173
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD075603.D
Acq: 07 Apr 2023 16:16

Tgt Ion: 84 Resp: 150
Ion Ratio Lower Upper
84 100
49 0.0 106.4 159.6#
51 0.0 32.4 48.6#
86 0.0 50.9 76.3#





#33

1,2-Dichloroethane-d4

Concen: 142.762 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD075603.D

Acq: 07 Apr 2023 16:16

Instrument :

MSVOA_D

ClientSampleId :

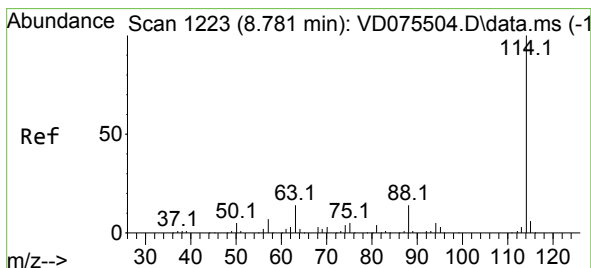
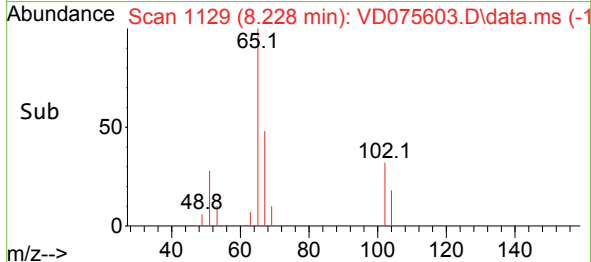
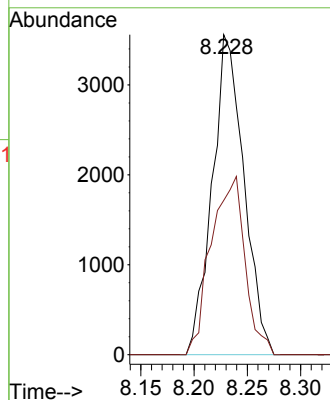
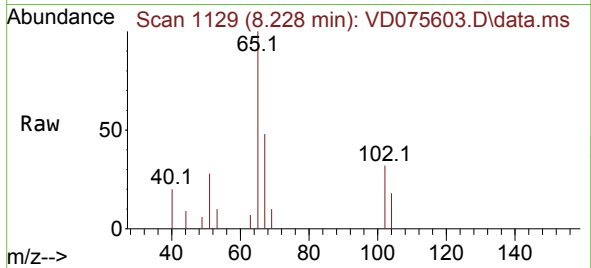
72-11982

Tgt Ion: 65 Resp: 7341

Ion Ratio Lower Upper

65 100

67 59.9 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD075603.D

Acq: 07 Apr 2023 16:16

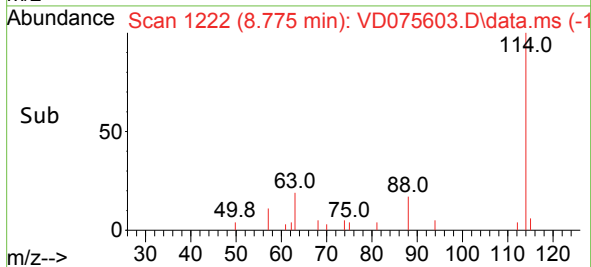
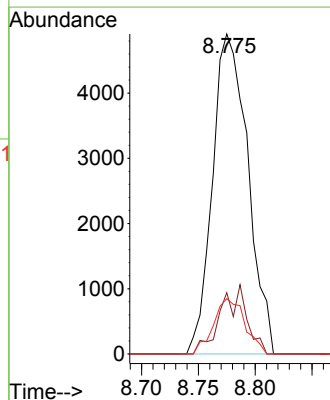
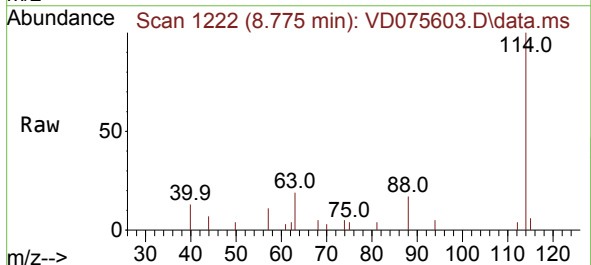
Tgt Ion: 114 Resp: 10625

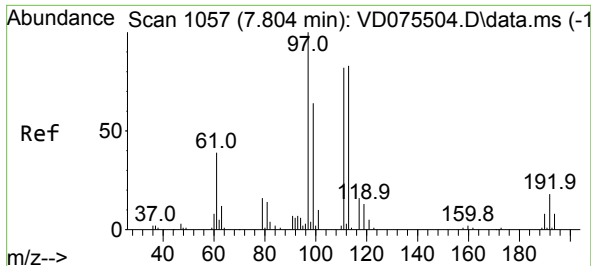
Ion Ratio Lower Upper

114 100

63 19.1 0.0 41.6

88 17.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 92.153 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD075603.D

Acq: 07 Apr 2023 16:16

Instrument :

MSVOA_D

ClientSampleId :

72-11982

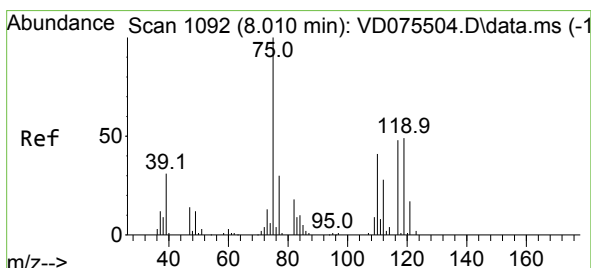
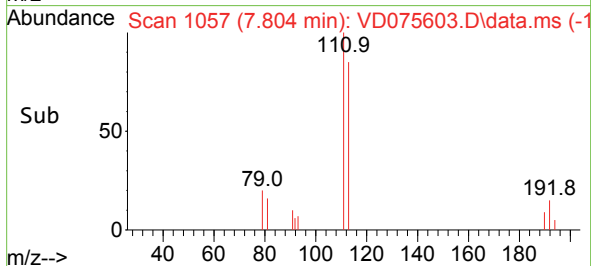
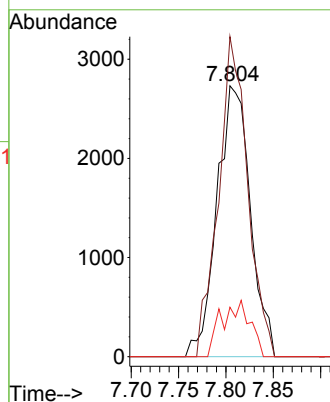
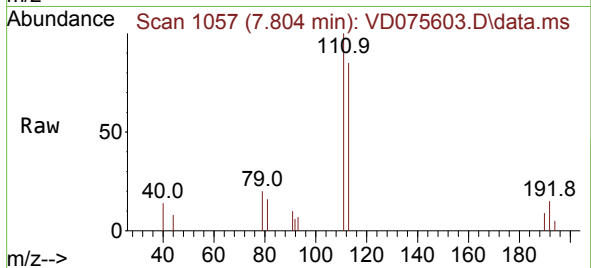
Tgt Ion:113 Resp: 6706

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 17.6 15.2 22.8



#36

1,1-Dichloropropene

Concen: 1.493 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.124 min

Lab File: VD075603.D

Acq: 07 Apr 2023 16:16

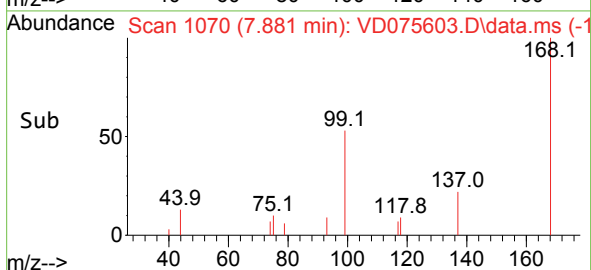
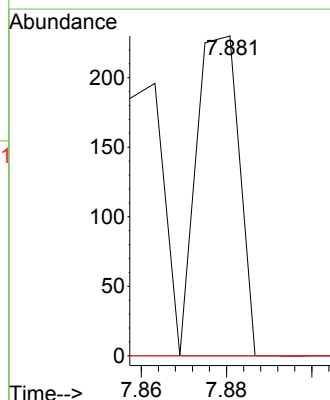
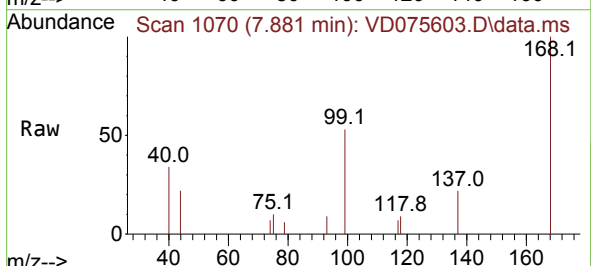
Tgt Ion: 75 Resp: 161

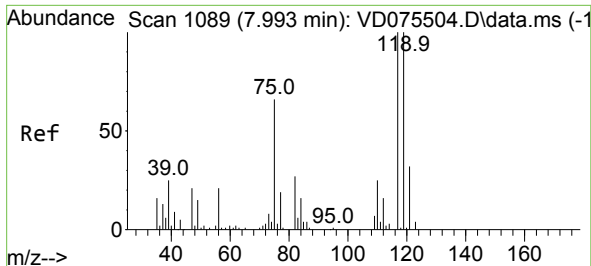
Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.2#

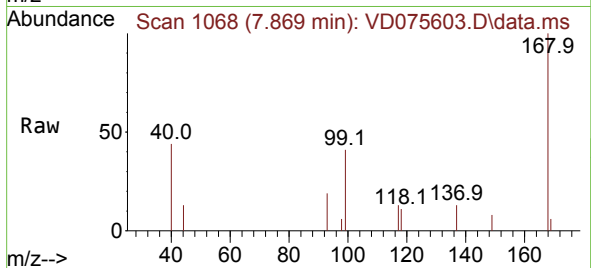
77 0.0 24.6 36.8#



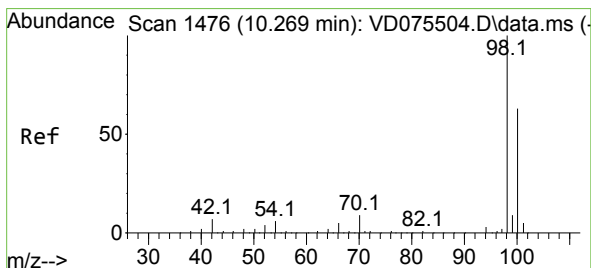
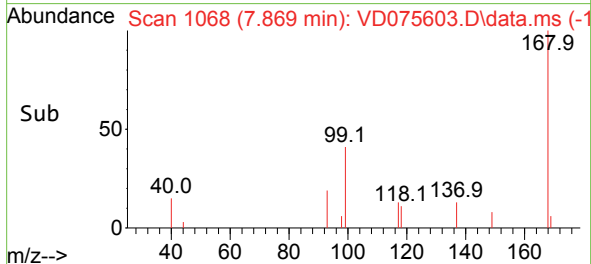
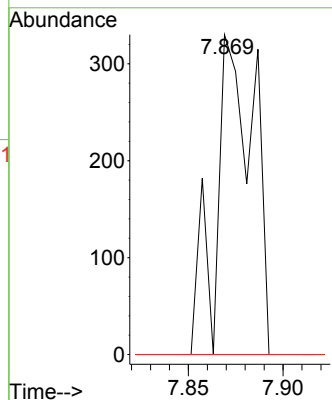


#38
Carbon Tetrachloride
Concen: 4.423 ug/l
RT: 7.869 min Scan# 1089
Delta R.T. -0.124 min
Lab File: VD075603.D
Acq: 07 Apr 2023 16:16

Instrument :
MSVOA_D
ClientSampleId :
72-11982

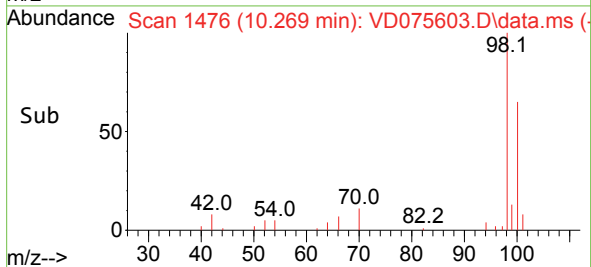
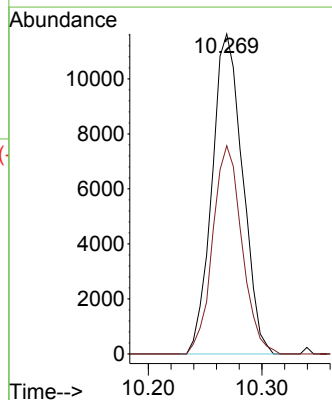
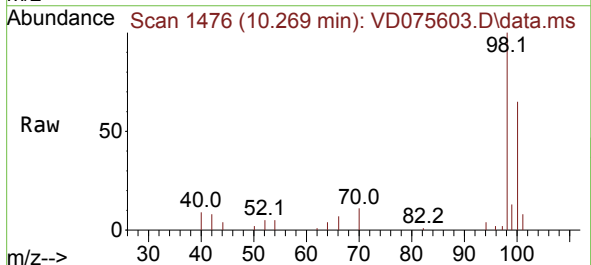


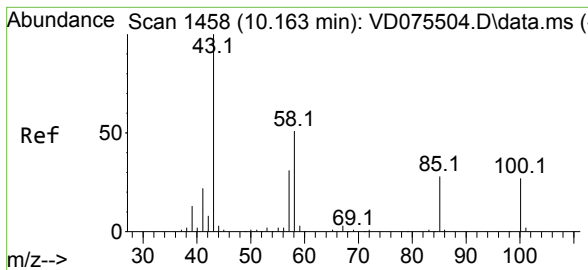
Tgt Ion:117 Resp: 457
Ion Ratio Lower Upper
117 100
119 0.0 74.7 112.1#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 75.547 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD075603.D
Acq: 07 Apr 2023 16:16

Tgt Ion: 98 Resp: 21718
Ion Ratio Lower Upper
98 100
100 62.4 52.1 78.1

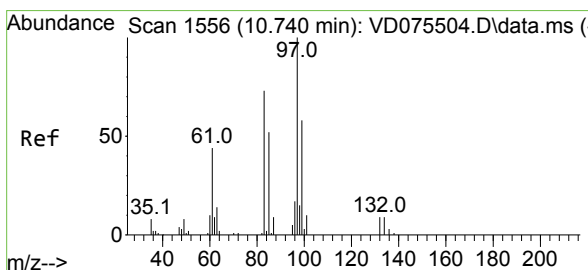
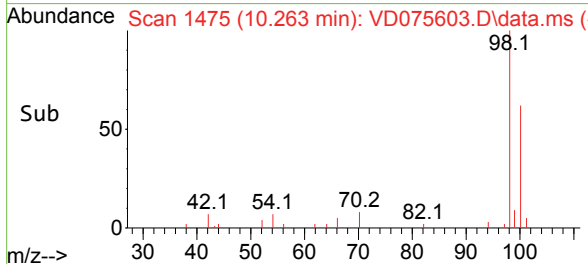
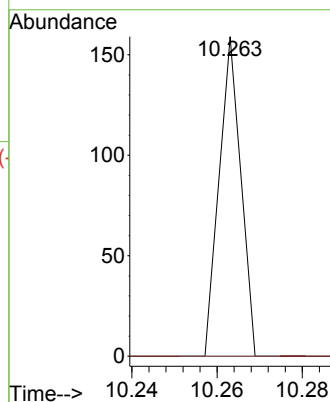
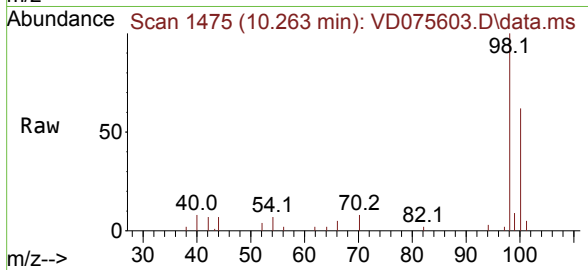




#51
4-Methyl-2-Pentanone
Concen: 2.071 ug/l
RT: 10.263 min Scan# 1458
Delta R.T. 0.106 min
Lab File: VD075603.D
Acq: 07 Apr 2023 16:16

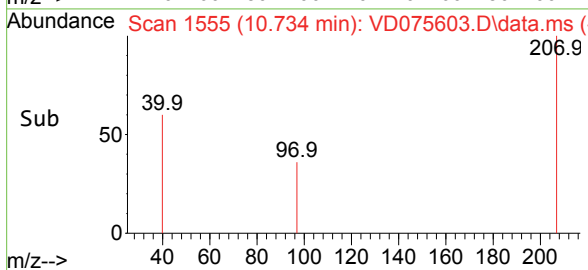
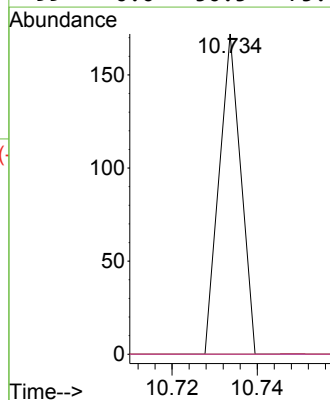
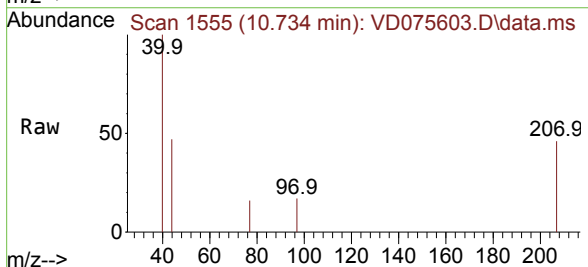
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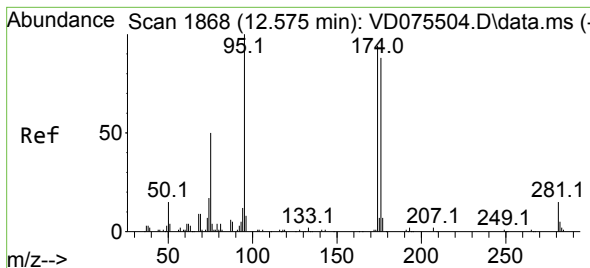
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
58 0.0 29.5 44.3#



#55
1,1,2-Trichloroethane
Concen: 1.006 ug/l
RT: 10.734 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VD075603.D
Acq: 07 Apr 2023 16:16

Tgt Ion: 97 Resp: 61
Ion Ratio Lower Upper
97 100
83 0.0 74.2 111.4#
85 0.0 45.4 68.0#
99 0.0 50.5 75.7#

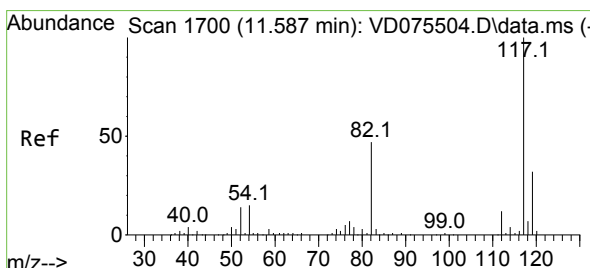
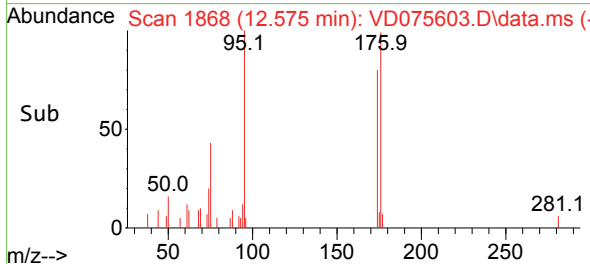
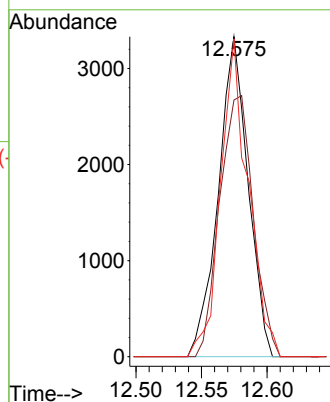
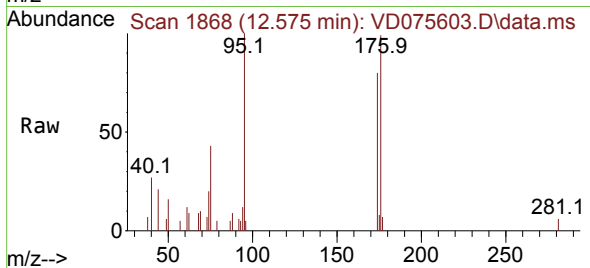




#62
4-Bromofluorobenzene
Concen: 63.222 ug/l
RT: 12.575 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD075603.D
Acq: 07 Apr 2023 16:16

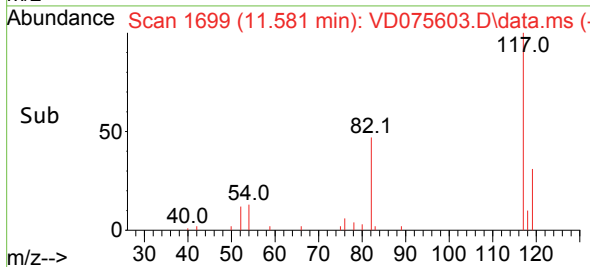
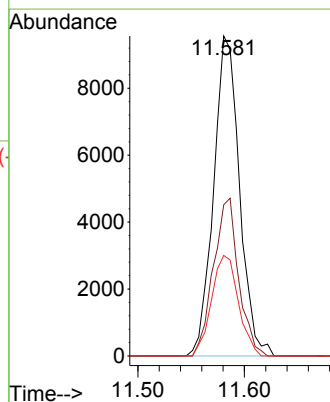
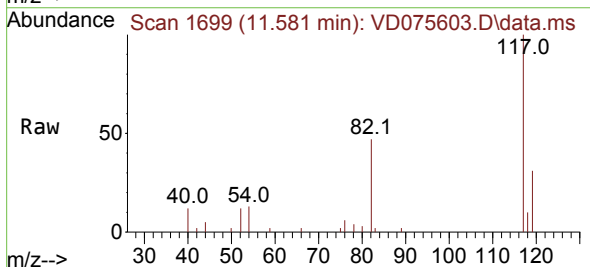
Instrument :
MSVOA_D
ClientSampleId :
72-11982

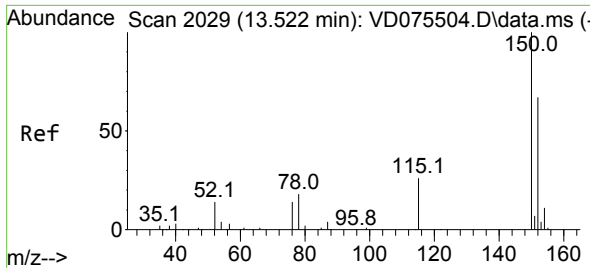
Tgt Ion:	95	Resp:	5254
Ion	Ratio	Lower	Upper
95	100		
174	92.1	0.0	164.0
176	92.7	0.0	156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD075603.D
Acq: 07 Apr 2023 16:16

Tgt Ion:	117	Resp:	16106
Ion	Ratio	Lower	Upper
117	100		
82	47.2	44.0	66.0
119	31.4	25.1	37.7

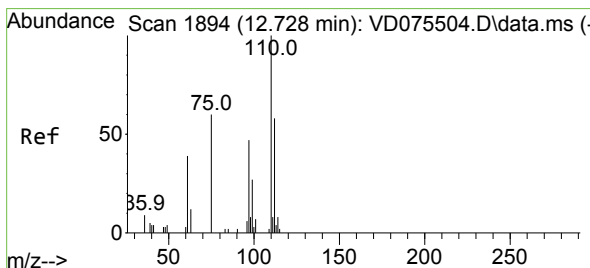
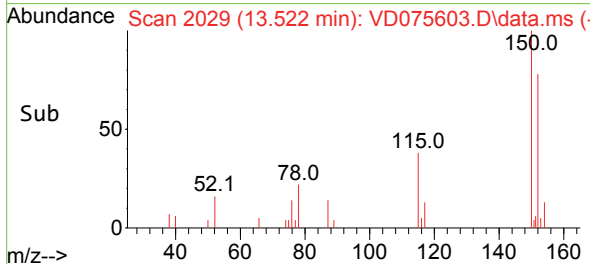
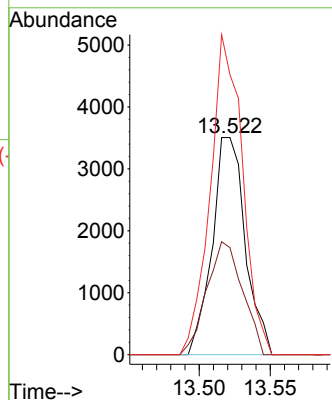
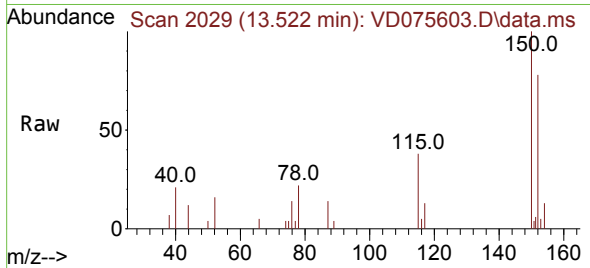




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 2029
 Delta R.T. -0.000 min
 Lab File: VD075603.D
 Acq: 07 Apr 2023 16:16

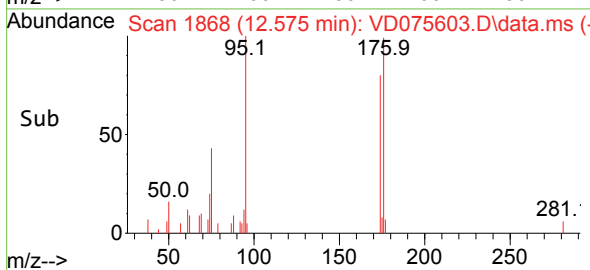
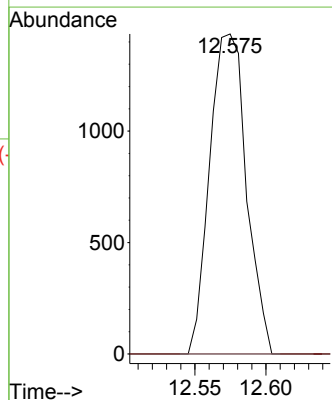
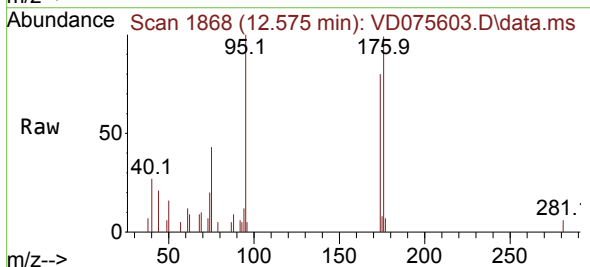
Instrument :
 MSVOA_D
 ClientSampleId :
 72-11982

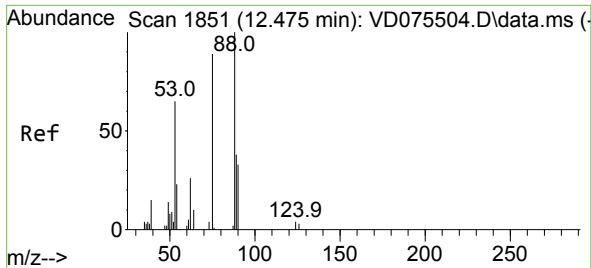
Tgt Ion:152 Resp: 5681
 Ion Ratio Lower Upper
 152 100
 115 56.1 30.1 90.3
 150 143.5 0.0 364.8



#76
 1,2,3-Trichloropropane
 Concen: 55.395 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD075603.D
 Acq: 07 Apr 2023 16:16

Tgt Ion: 75 Resp: 2581
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 116.519 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD075603.D
 Acq: 07 Apr 2023 16:16

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11982

Tgt Ion: 75 Resp: 2581
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 40.2 60.4#

