

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051622\
 Data File : VD073035.D
 Acq On : 16 May 2022 15:12
 Operator : VA/SY
 Sample : N2816-16
 Misc : 5.58G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P007-SS008-0006-01

Quant Time: May 17 03:28:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

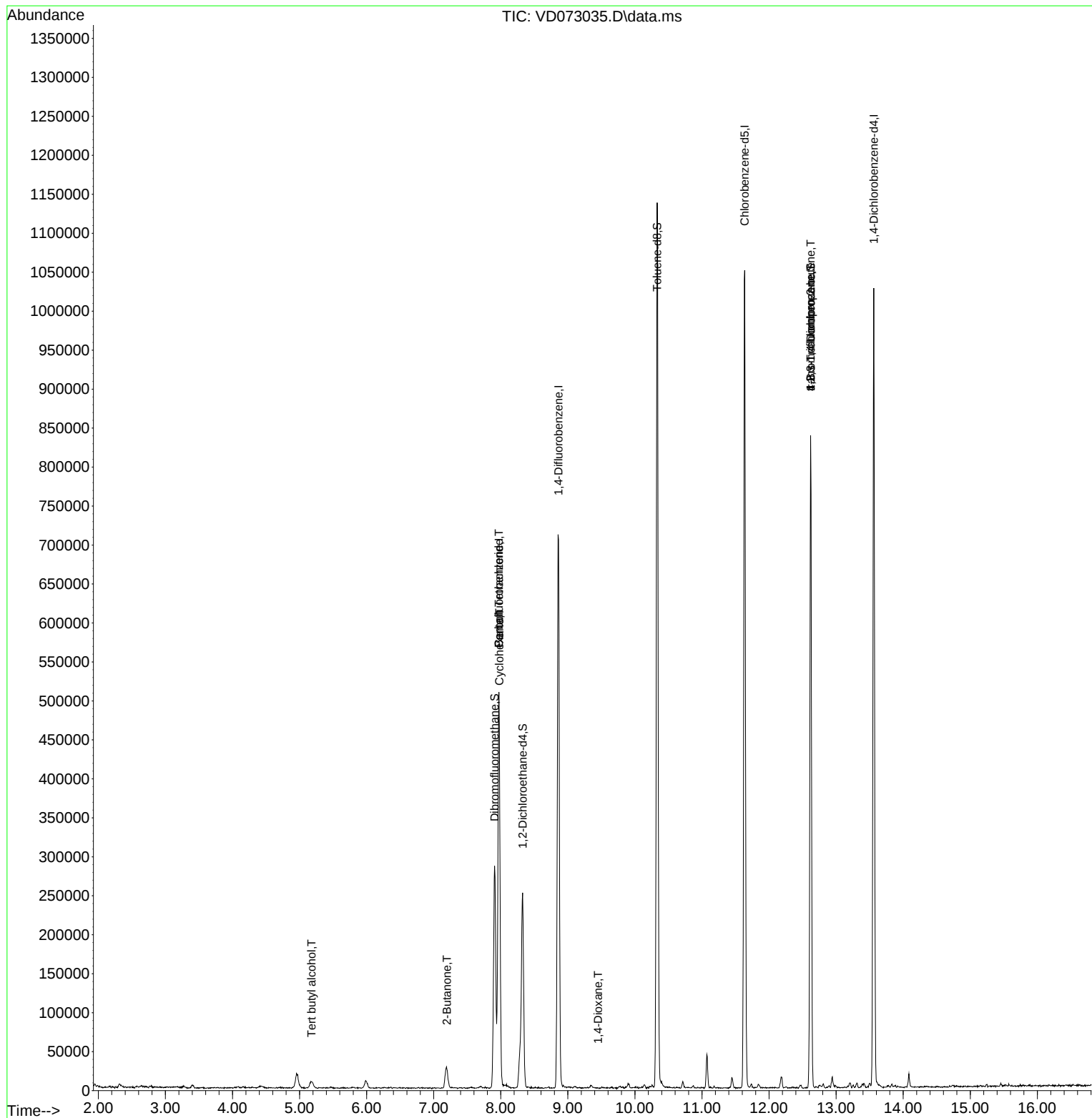
Internal Standards						
1) Pentafluorobenzene	7.973	168	359588	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	624941	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	608993	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	264166	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	192618	41.266	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.540%
35) Dibromofluoromethane	7.908	113	205492	46.819	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.640%
50) Toluene-d8	10.332	98	761953	48.397	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.800%
62) 4-Bromofluorobenzene	12.620	95	267452	45.559	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	91.120%
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	1270	Below Cal	#	62
11) Tert butyl alcohol	5.179	59	8325	20.614	ug/l #	74
16) Acetone	4.167	43	1775	Below Cal	#	47
18) Methyl Acetate	4.744	43	54	Below Cal	#	55
20) Methylene Chloride	4.956	84	13638	Below Cal	#	82
25) 2-Butanone	7.197	43	1668	1.226	ug/l #	52
31) Cyclohexane	7.979	56	8989	1.102	ug/l #	1
38) Carbon Tetrachloride	7.973	117	38695	5.223	ug/l #	17
49) 1,4-Dioxane	9.449	88	62	1.844	ug/l #	21
76) 1,2,3-Trichloropropane	12.620	75	136364	46.294	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	136364	106.457	ug/l #	7

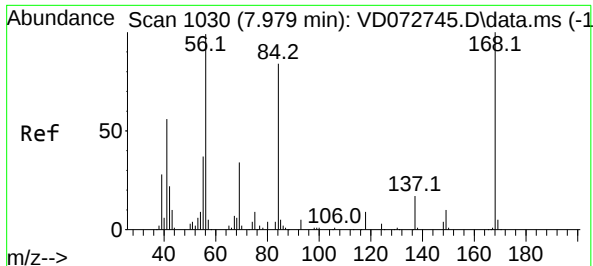
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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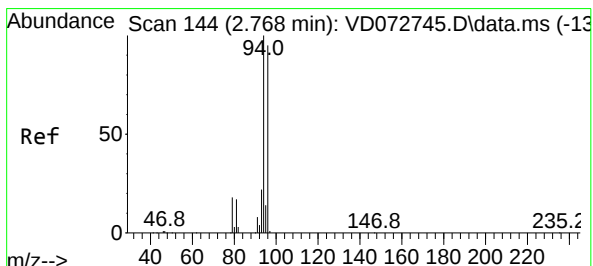
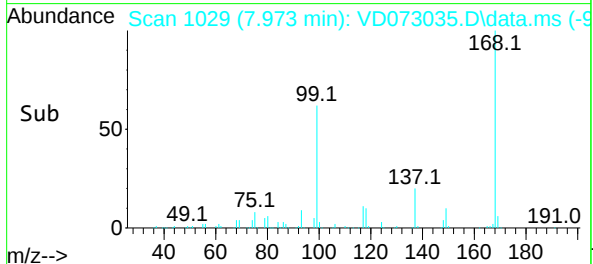
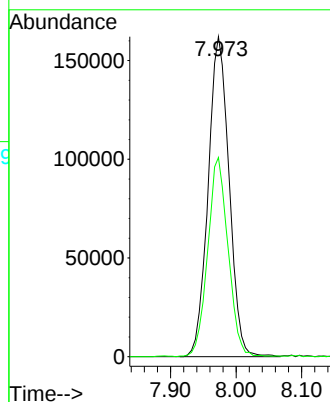
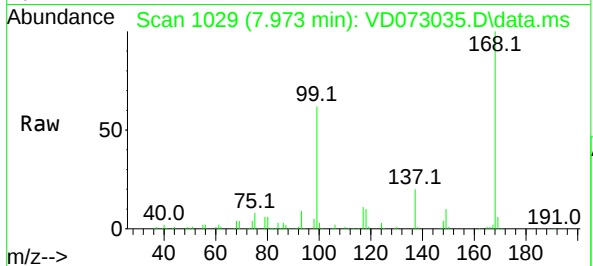




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD073035.D
Acq: 16 May 2022 15:12

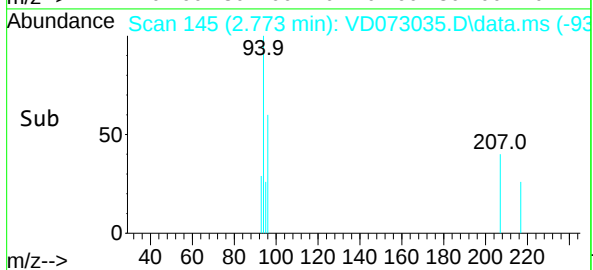
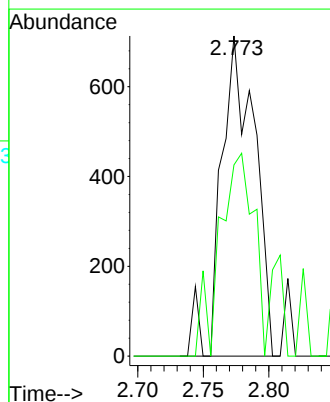
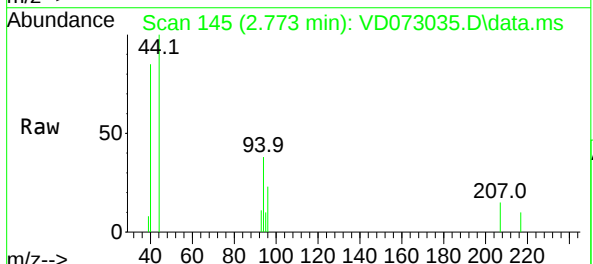
Instrument :
MSVOA_D
ClientSampleId :
P007-SS008-0006-01

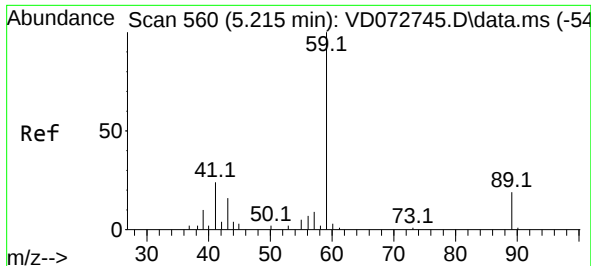
Tgt Ion:168 Resp: 359588
Ion Ratio Lower Upper
168 100
99 62.1 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD073035.D
Acq: 16 May 2022 15:12

Tgt Ion: 94 Resp: 1270
Ion Ratio Lower Upper
94 100
96 59.7 77.6 116.4#





#11

Tert butyl alcohol

Concen: 20.614 ug/l

RT: 5.179 min Scan# 51

Delta R.T. -0.036 min

Lab File: VD073035.D

Acq: 16 May 2022 15:12

Instrument :

MSVOA_D

ClientSampleId :

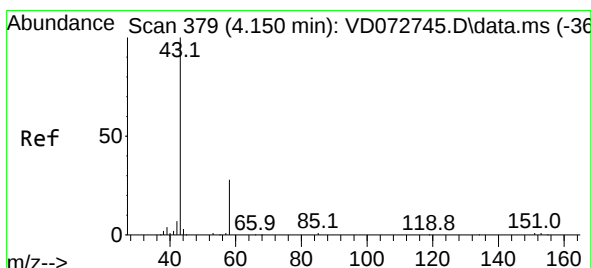
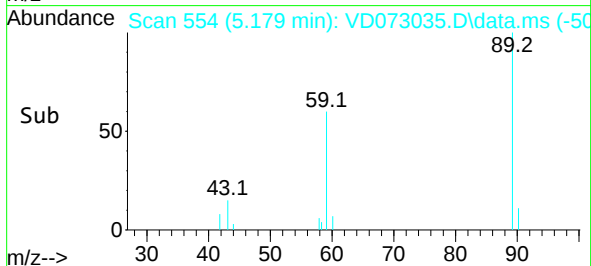
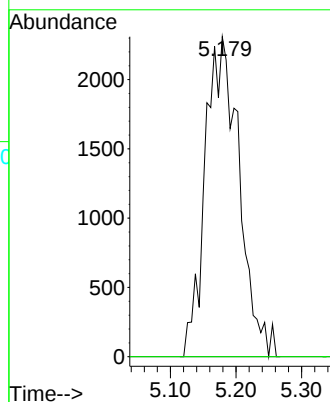
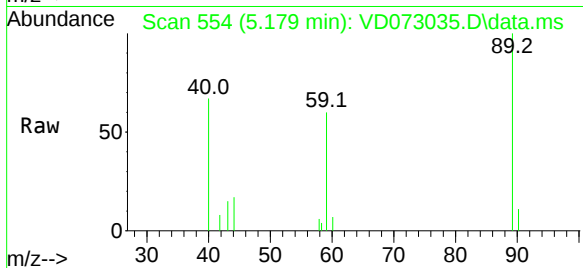
P007-SS008-0006-01

Tgt Ion: 59 Resp: 8325

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: Below Cal

RT: 4.167 min Scan# 382

Delta R.T. 0.017 min

Lab File: VD073035.D

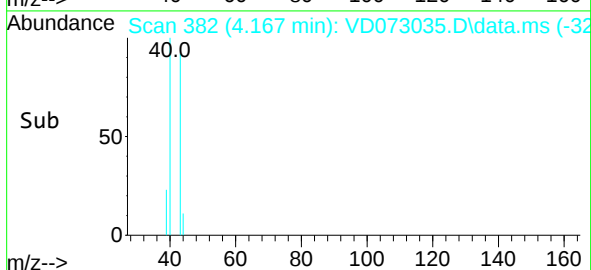
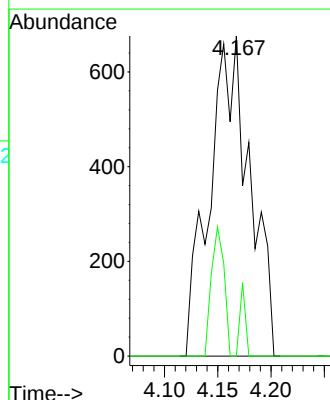
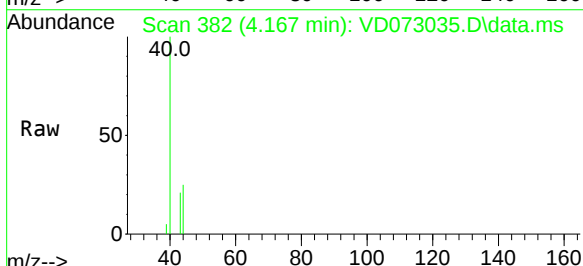
Acq: 16 May 2022 15:12

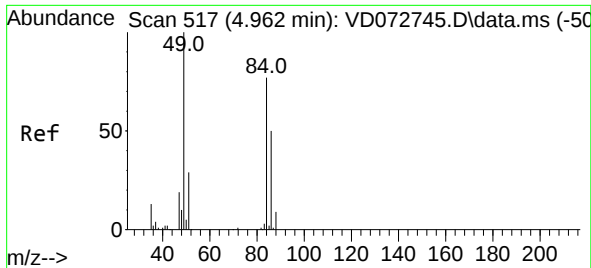
Tgt Ion: 43 Resp: 1775

Ion Ratio Lower Upper

43 100

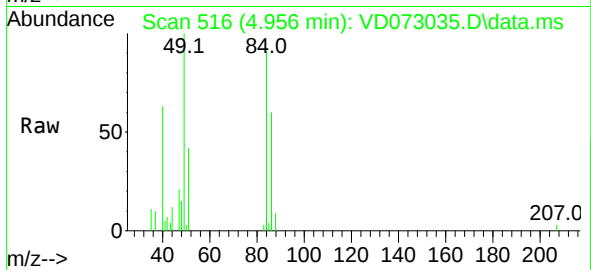
58 0.0 22.1 33.1#





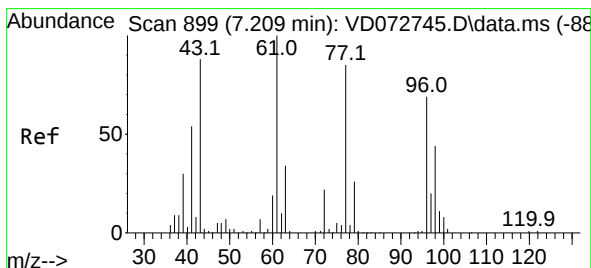
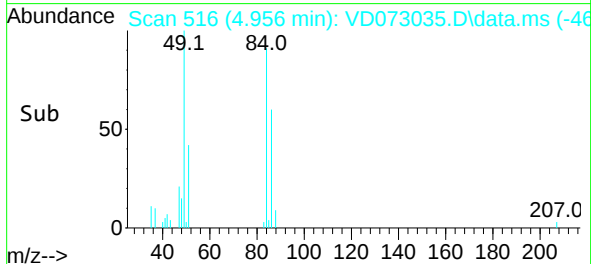
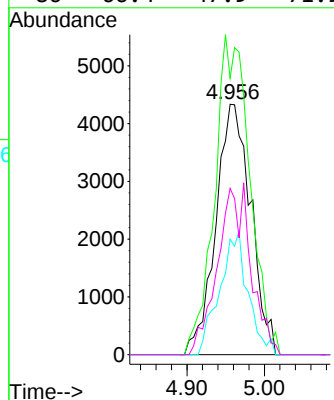
#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD073035.D
Acq: 16 May 2022 15:12

Instrument :
MSVOA_D
ClientSampleId :
P007-SS008-0006-01



Tgt Ion: 84 Resp: 13638

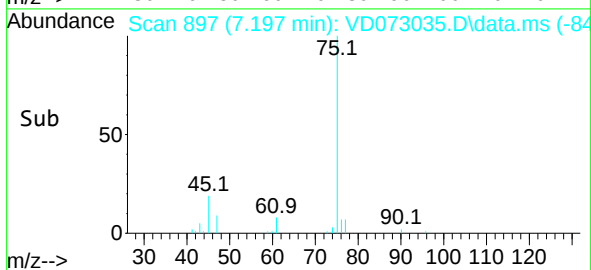
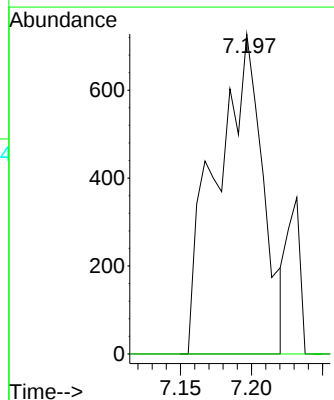
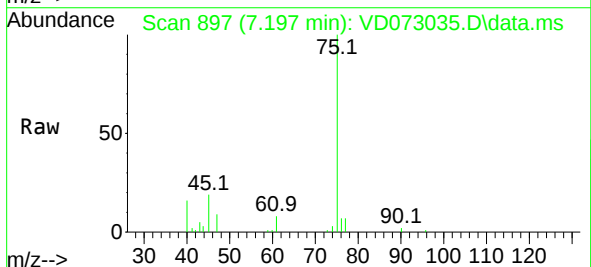
Ion	Ratio	Lower	Upper
84	100		
49	110.4	112.8	169.2#
51	46.1	32.6	48.8
86	66.4	47.9	71.9

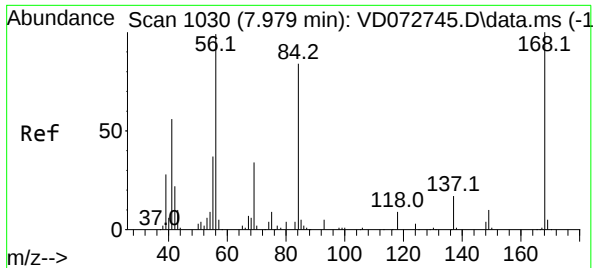


#25
2-Butanone
Concen: 1.226 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.012 min
Lab File: VD073035.D
Acq: 16 May 2022 15:12

Tgt Ion: 43 Resp: 1668

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#

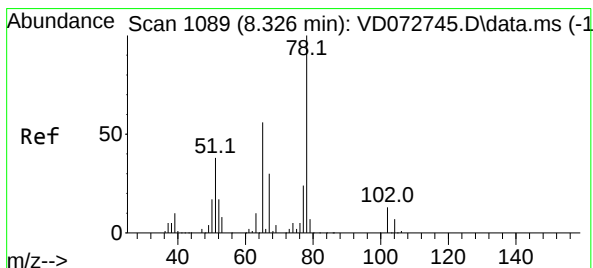
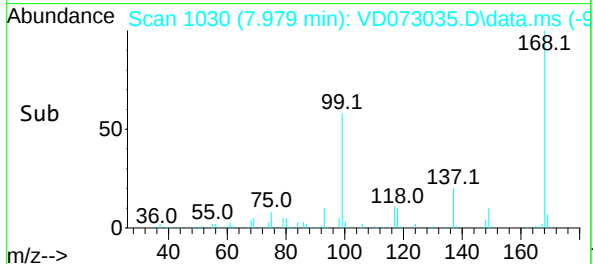
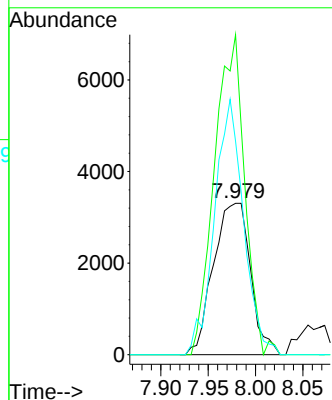
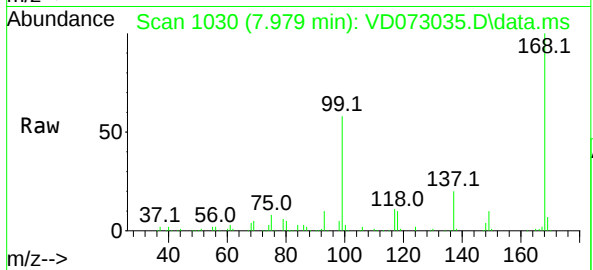




#31
Cyclohexane
Concen: 1.102 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD073035.D
Acq: 16 May 2022 15:12

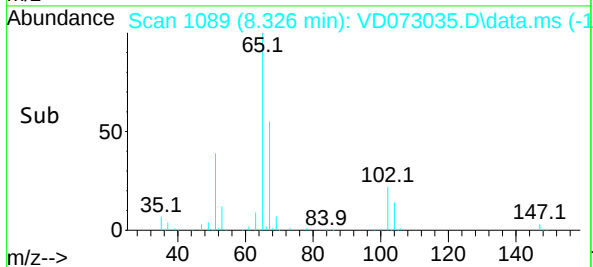
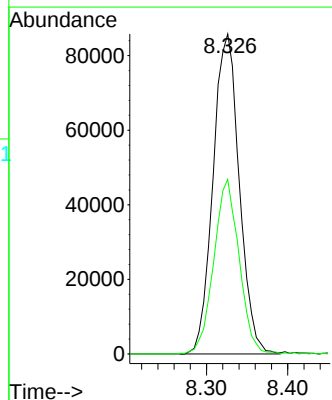
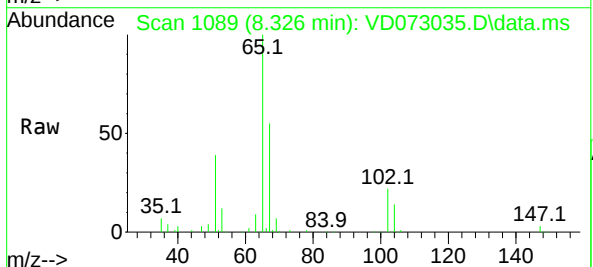
Instrument :
MSVOA_D
ClientSampleId :
P007-SS008-0006-01

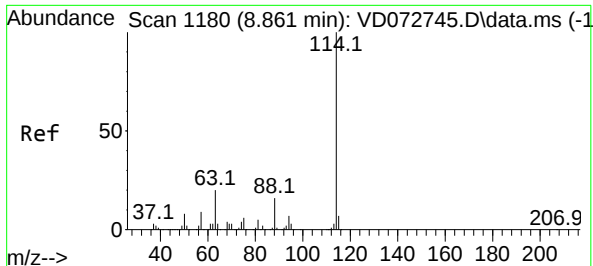
Tgt Ion: 56 Resp: 8989
Ion Ratio Lower Upper
56 100
69 211.3 25.4 38.2#
84 141.0 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 41.266 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD073035.D
Acq: 16 May 2022 15:12

Tgt Ion: 65 Resp: 192618
Ion Ratio Lower Upper
65 100
67 52.9 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD073035.D

Acq: 16 May 2022 15:12

Instrument :

MSVOA_D

ClientSampleId :

P007-SS008-0006-01

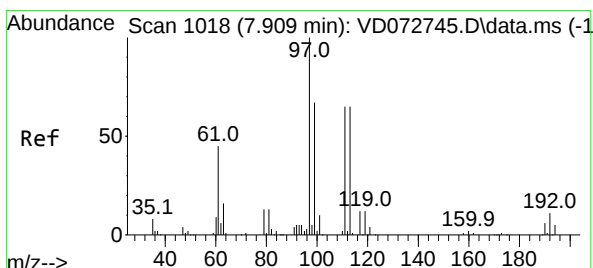
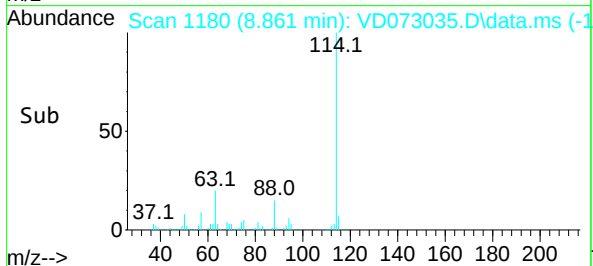
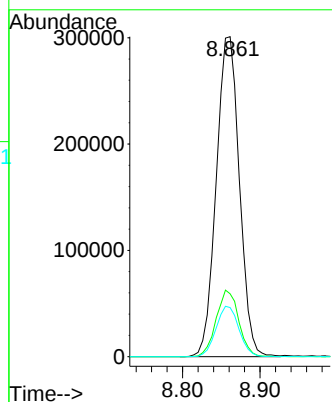
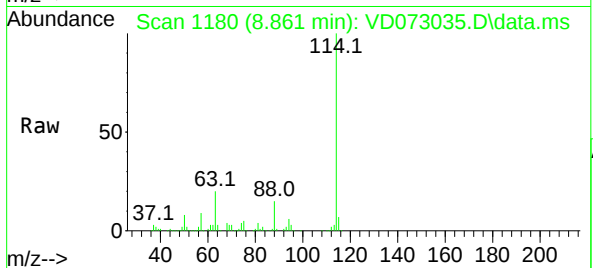
Tgt Ion:114 Resp: 624941

Ion Ratio Lower Upper

114 100

63 19.6 0.0 46.6

88 15.3 0.0 33.2



#35

Dibromofluoromethane

Concen: 46.819 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD073035.D

Acq: 16 May 2022 15:12

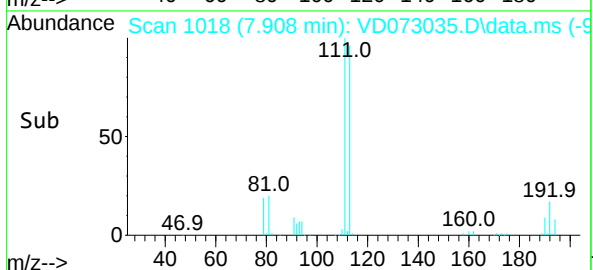
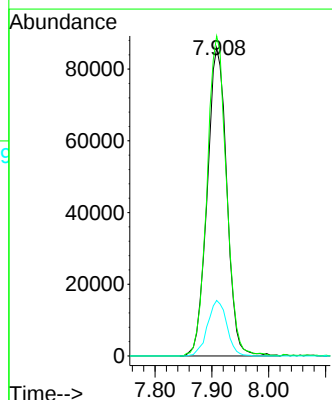
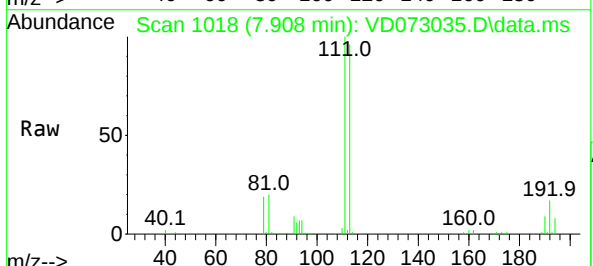
Tgt Ion:113 Resp: 205492

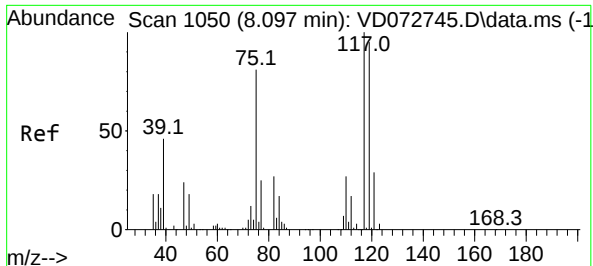
Ion Ratio Lower Upper

113 100

111 102.9 83.8 125.6

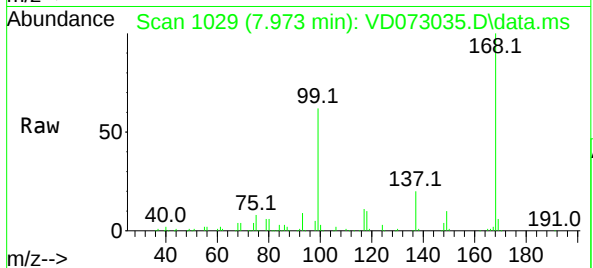
192 17.7 14.6 21.8



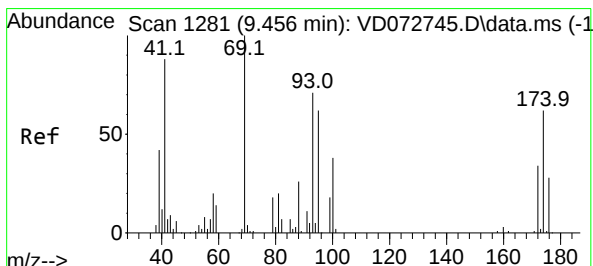
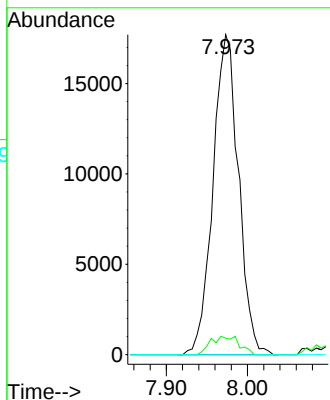
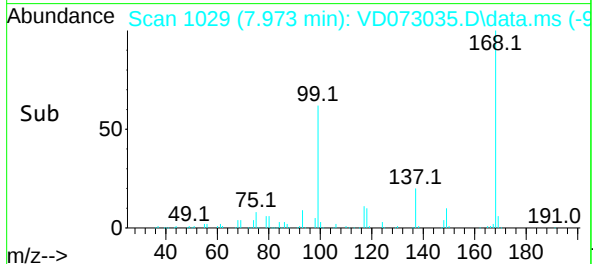


#38
Carbon Tetrachloride
Concen: 5.223 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD073035.D
Acq: 16 May 2022 15:12

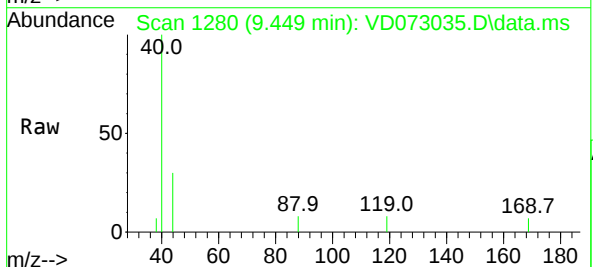
Instrument :
MSVOA_D
ClientSampleId :
P007-SS008-0006-01



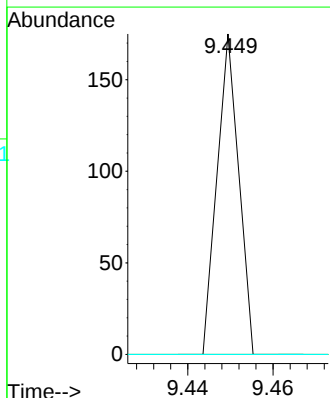
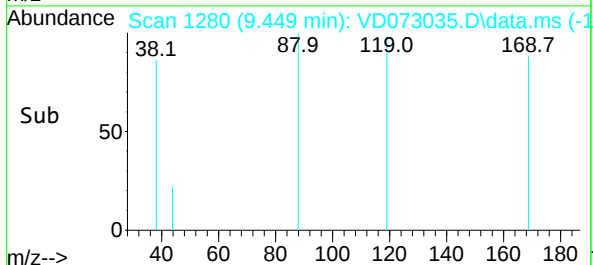
Tgt Ion:117 Resp: 38695
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.6#
121 0.0 24.5 36.7#

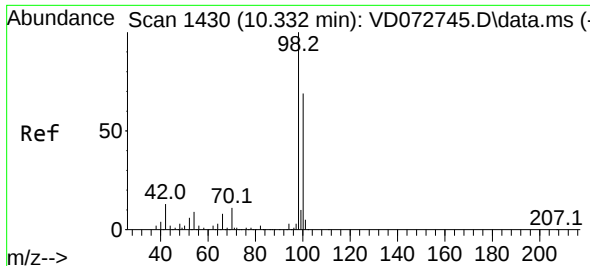


#49
1,4-Dioxane
Concen: 1.844 ug/l
RT: 9.449 min Scan# 1280
Delta R.T. -0.007 min
Lab File: VD073035.D
Acq: 16 May 2022 15:12



Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 0.0 31.0 46.4#
58 0.0 58.1 87.1#

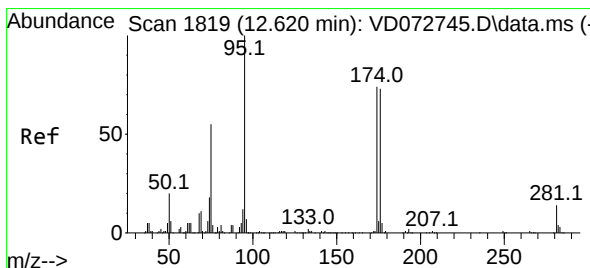
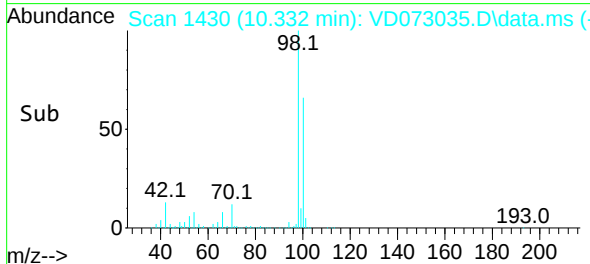
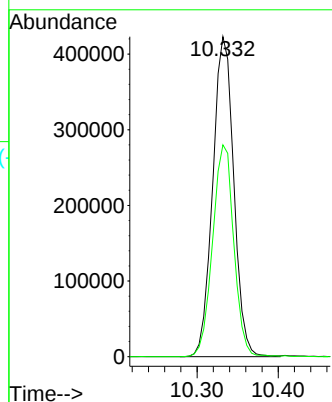
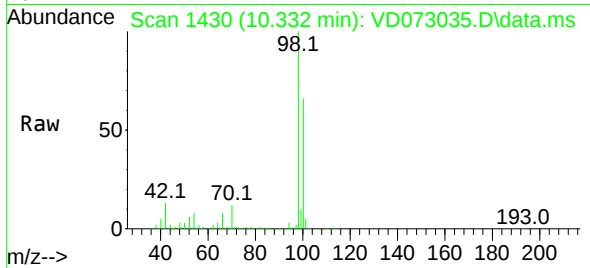




#50
Toluene-d8
Concen: 48.397 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073035.D
Acq: 16 May 2022 15:12

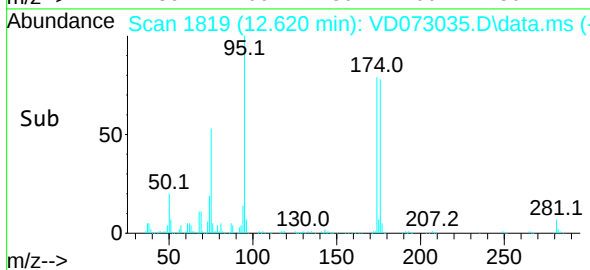
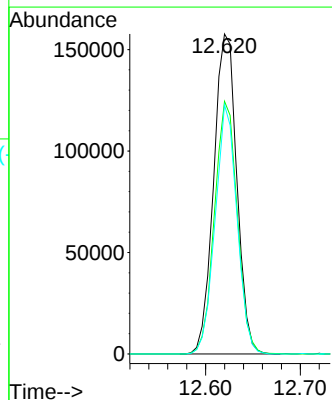
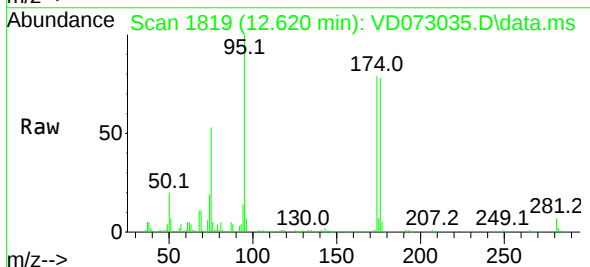
Instrument :
MSVOA_D
ClientSampleId :
P007-SS008-0006-01

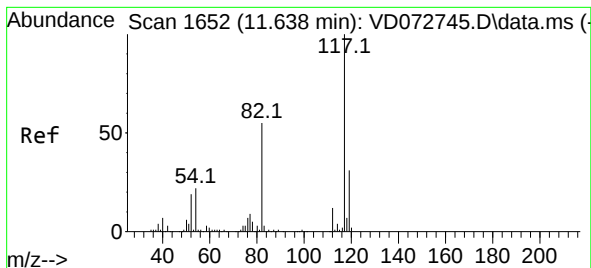
Tgt Ion: 98 Resp: 761953
Ion Ratio Lower Upper
98 100
100 66.8 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 45.559 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073035.D
Acq: 16 May 2022 15:12

Tgt Ion: 95 Resp: 267452
Ion Ratio Lower Upper
95 100
174 77.8 0.0 152.8
176 73.4 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD073035.D

Acq: 16 May 2022 15:12

Instrument :

MSVOA_D

ClientSampleId :

P007-SS008-0006-01

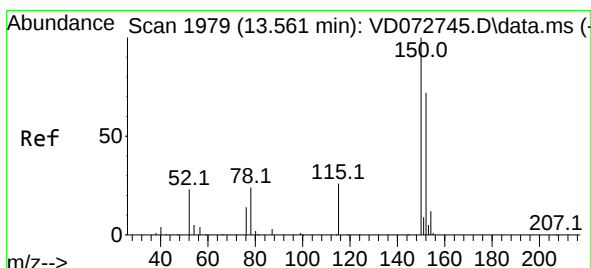
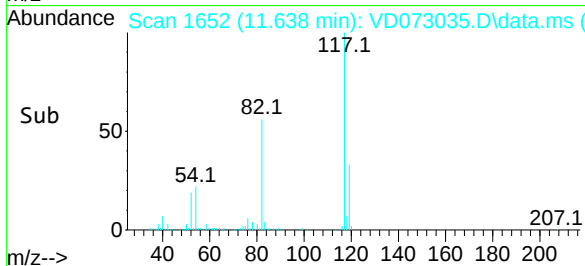
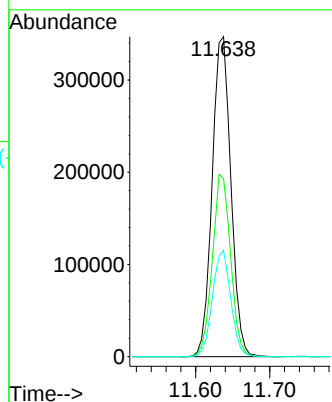
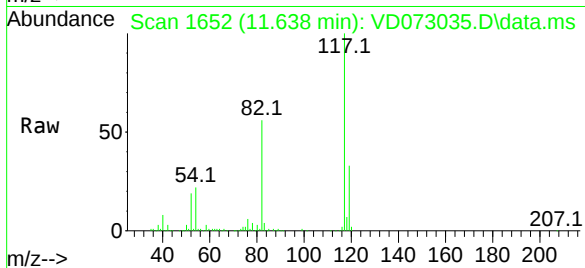
Tgt Ion:117 Resp: 608993

Ion Ratio Lower Upper

117 100

82 55.6 45.3 67.9

119 33.2 26.6 40.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. -0.000 min

Lab File: VD073035.D

Acq: 16 May 2022 15:12

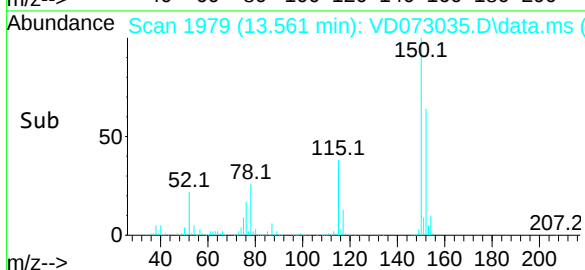
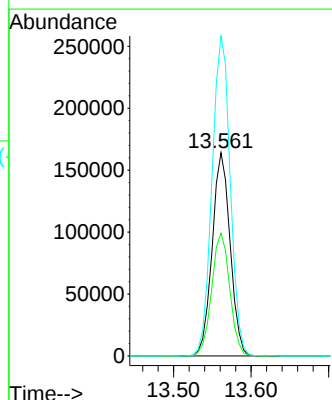
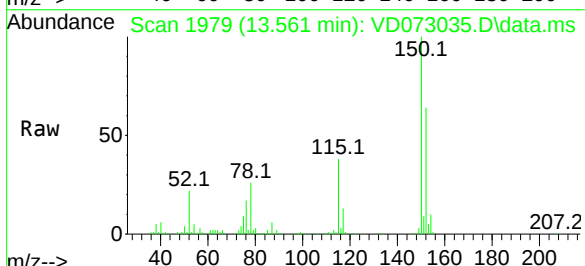
Tgt Ion:152 Resp: 264166

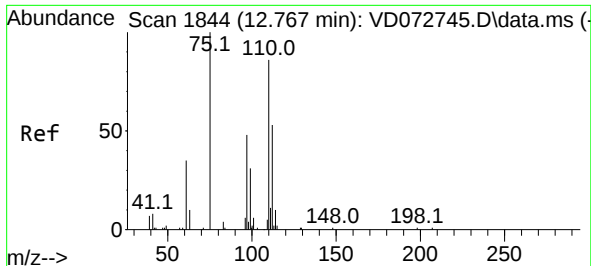
Ion Ratio Lower Upper

152 100

115 60.7 31.3 93.8

150 159.4 0.0 348.6

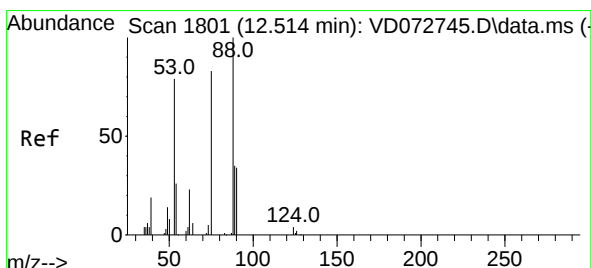
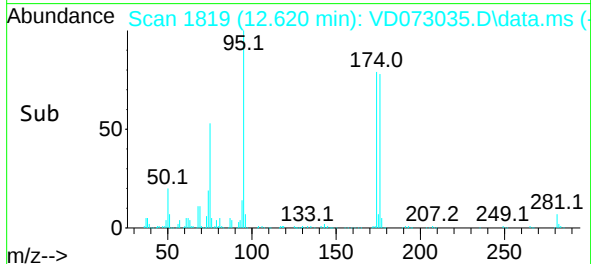
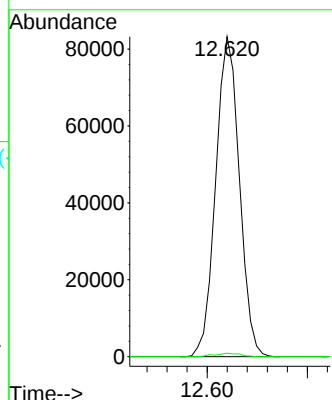
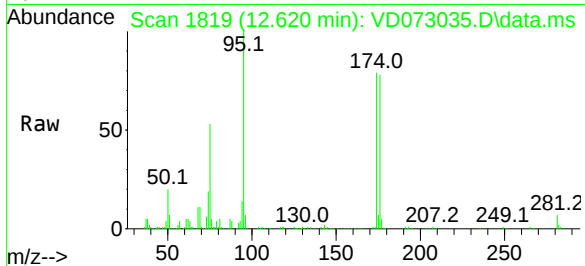




#76
1,2,3-Trichloropropane
Concen: 46.294 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073035.D
Acq: 16 May 2022 15:12

Instrument :
MSVOA_D
ClientSampleId :
P007-SS008-0006-01

Tgt Ion: 75 Resp: 136364
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.457 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073035.D
Acq: 16 May 2022 15:12

Tgt Ion: 75 Resp: 136364
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.1 33.9 50.9#

