

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051622\
 Data File : VD073041.D
 Acq On : 16 May 2022 18:06
 Operator : VA/SY
 Sample : N2816-21
 Misc : 5.65G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P007-SS013-0006-01

Quant Time: May 17 03:30:06 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)

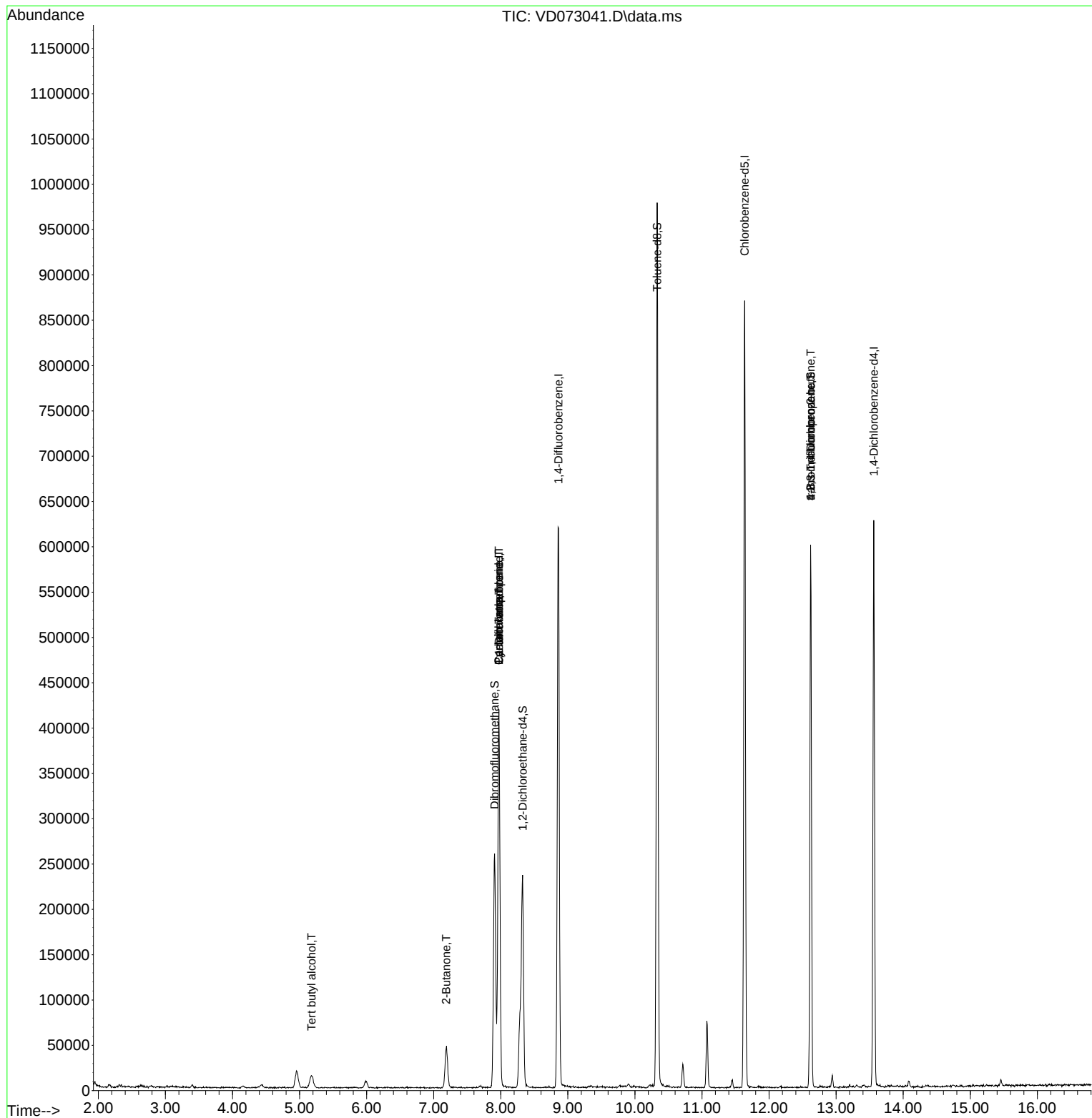
Internal Standards						
1) Pentafluorobenzene	7.973	168	293963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	543134	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	494729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	160148	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	177417	46.495	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.980%		
35) Dibromofluoromethane	7.908	113	186381	48.861	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.720%		
50) Toluene-d8	10.332	98	636085	46.487	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.980%		
62) 4-Bromofluorobenzene	12.620	95	193568	37.940	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	75.880%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	826	Below Cal	#	60
11) Tert butyl alcohol	5.179	59	14312	43.350	ug/l #	74
16) Acetone	4.150	43	1402	Below Cal	#	87
18) Methyl Acetate	4.926	43	65	Below Cal	#	55
20) Methylene Chloride	4.955	84	14021	Below Cal	#	76
25) 2-Butanone	7.185	43	2647	2.381	ug/l #	84
31) Cyclohexane	7.973	56	6807	1.020	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	25306	4.080	ug/l #	50
38) Carbon Tetrachloride	7.973	117	32304	5.017	ug/l #	17
76) 1,2,3-Trichloropropane	12.620	75	99051	55.467	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	99051	127.552	ug/l #	7

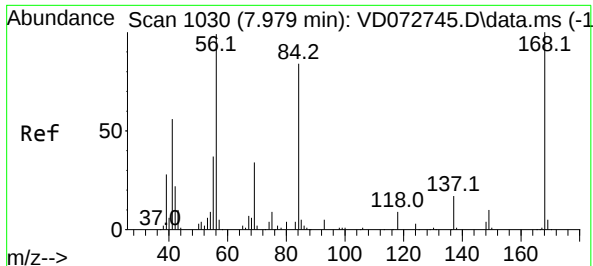
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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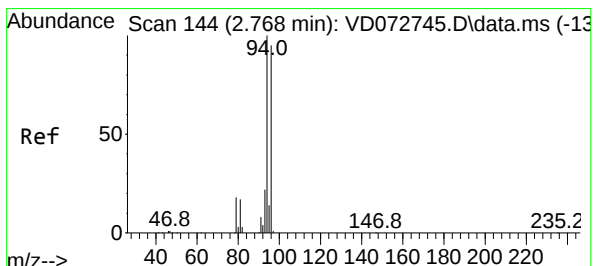
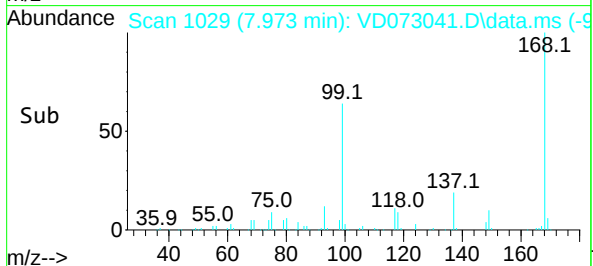
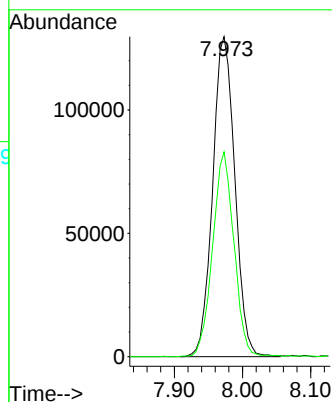
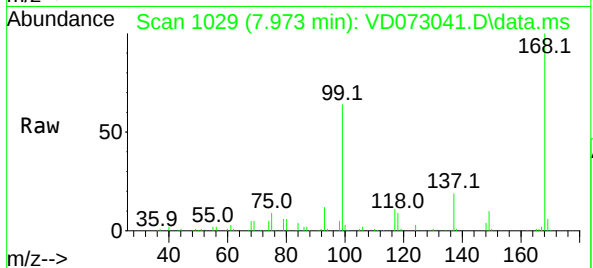




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD073041.D
Acq: 16 May 2022 18:06

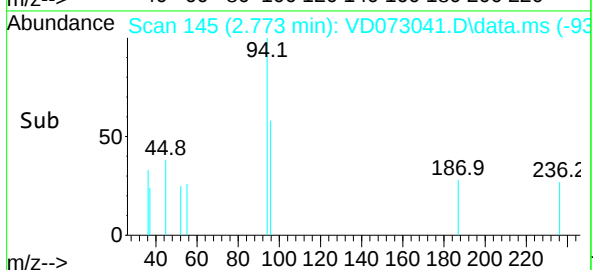
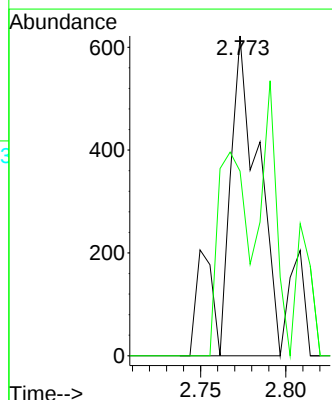
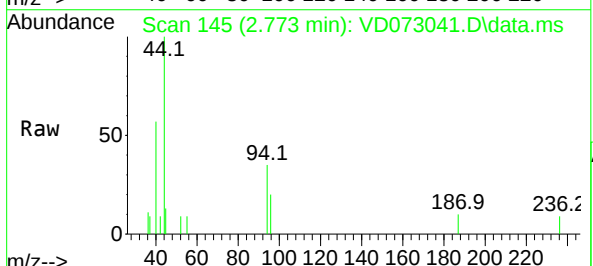
Instrument :
MSVOA_D
ClientSampleId :
P007-SS013-0006-01

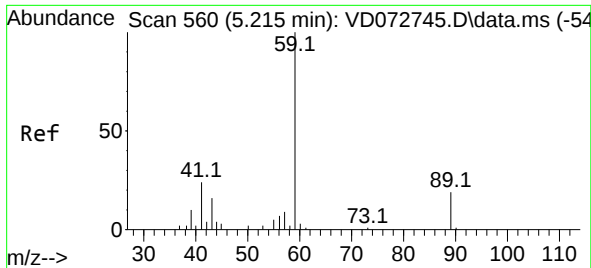
Tgt Ion:168 Resp: 293963
Ion Ratio Lower Upper
168 100
99 63.9 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD073041.D
Acq: 16 May 2022 18:06

Tgt Ion: 94 Resp: 826
Ion Ratio Lower Upper
94 100
96 57.7 77.6 116.4#

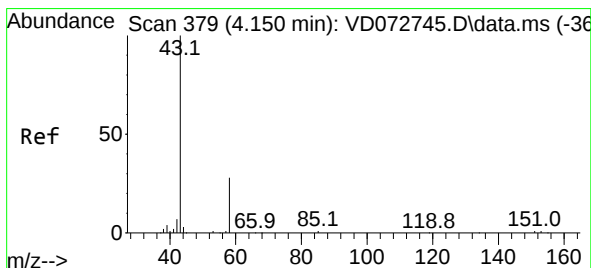
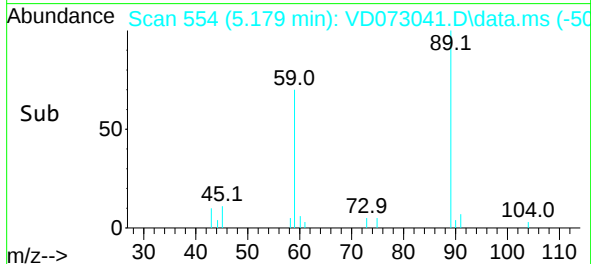
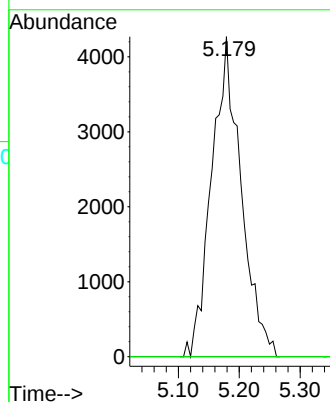
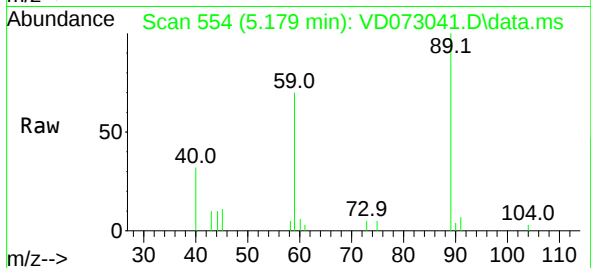




#11
Tert butyl alcohol
Concen: 43.350 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.036 min
Lab File: VD073041.D
Acq: 16 May 2022 18:06

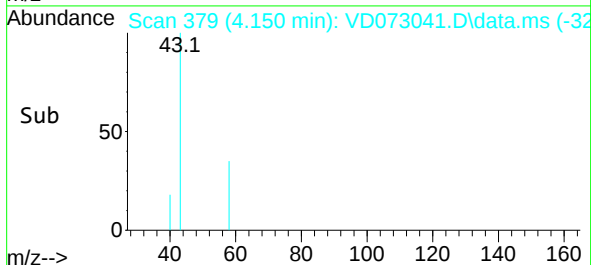
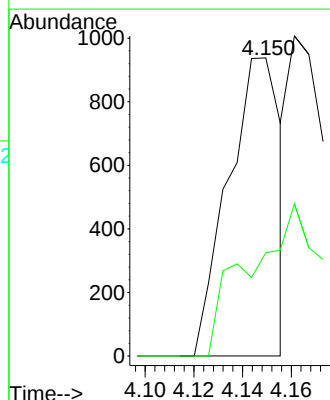
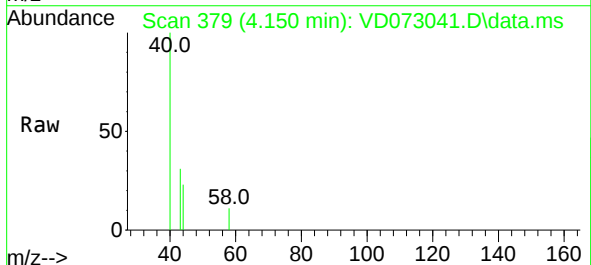
Instrument :
MSVOA_D
ClientSampleId :
P007-SS013-0006-01

Tgt Ion: 59 Resp: 14312
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: Below Cal
RT: 4.150 min Scan# 379
Delta R.T. -0.000 min
Lab File: VD073041.D
Acq: 16 May 2022 18:06

Tgt Ion: 43 Resp: 1402
Ion Ratio Lower Upper
43 100
58 34.6 22.1 33.1#

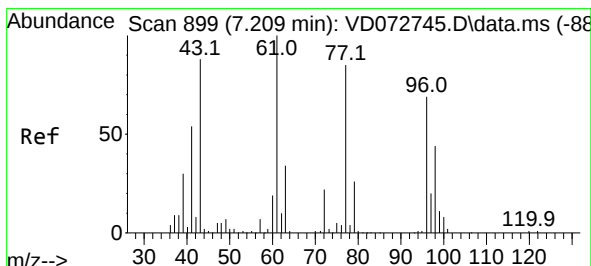
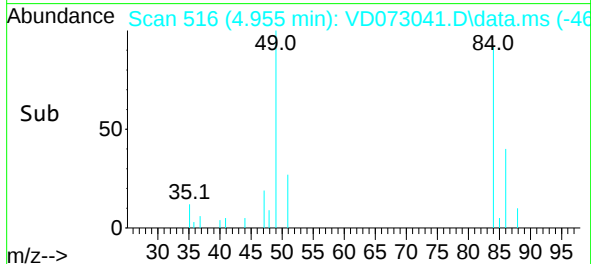
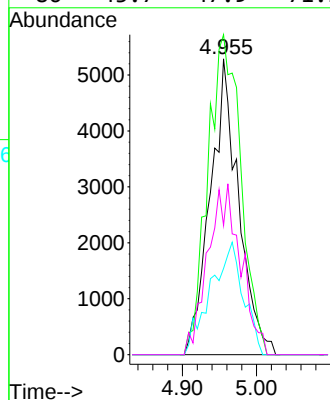
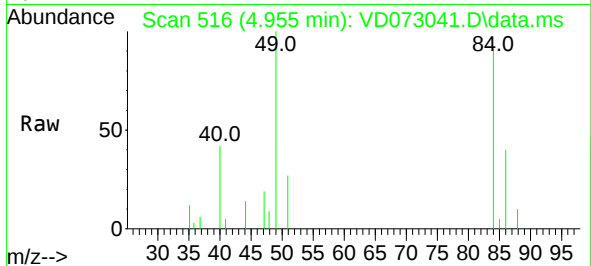




#20
Methylene Chloride
Concen: Below Cal
RT: 4.955 min Scan# 516
Delta R.T. -0.007 min
Lab File: VD073041.D
Acq: 16 May 2022 18:06

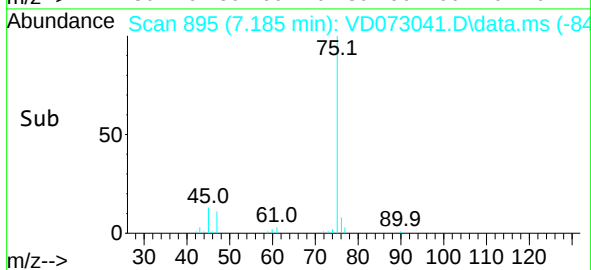
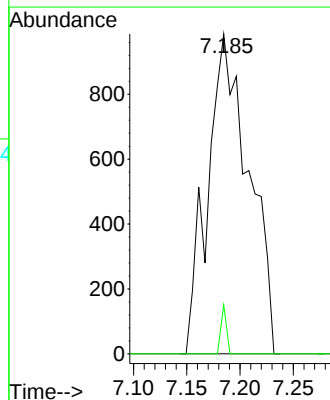
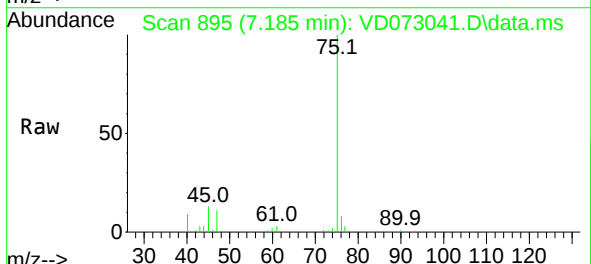
Instrument :
MSVOA_D
ClientSampleId :
P007-SS013-0006-01

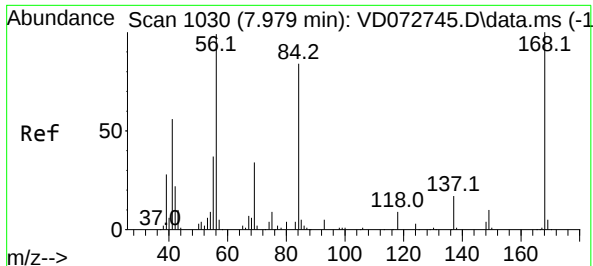
Tgt Ion:	84	Resp:	14021
Ion	Ratio	Lower	Upper
84	100		
49	108.2	112.8	169.2#
51	29.2	32.6	48.8#
86	43.7	47.9	71.9#



#25
2-Butanone
Concen: 2.381 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.024 min
Lab File: VD073041.D
Acq: 16 May 2022 18:06

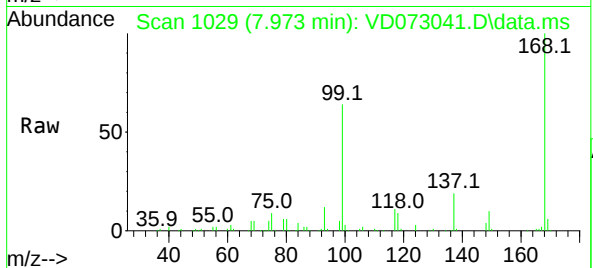
Tgt Ion:	43	Resp:	2647
Ion	Ratio	Lower	Upper
43	100		
72	15.3	18.6	27.8#



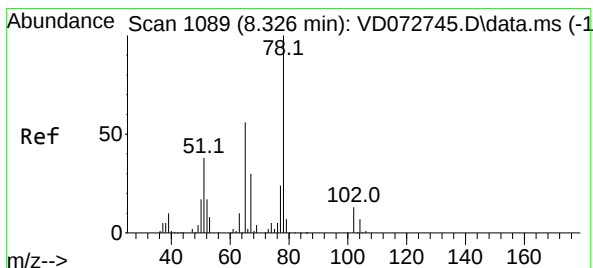
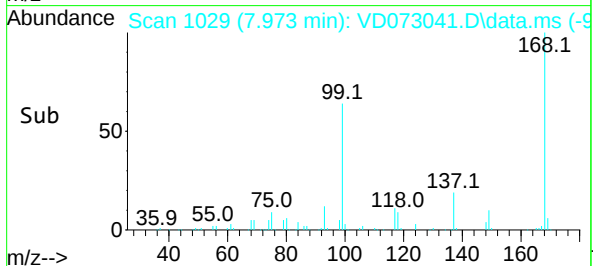
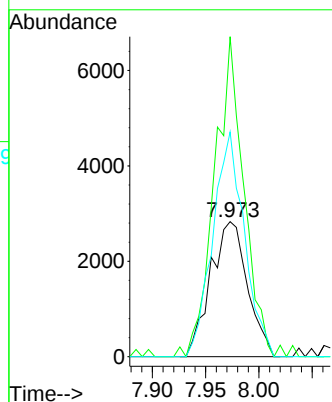


#31
Cyclohexane
Concen: 1.020 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073041.D
Acq: 16 May 2022 18:06

Instrument :
MSVOA_D
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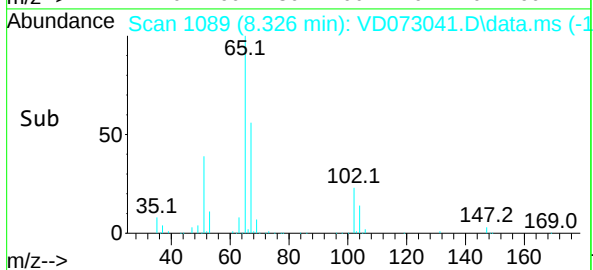
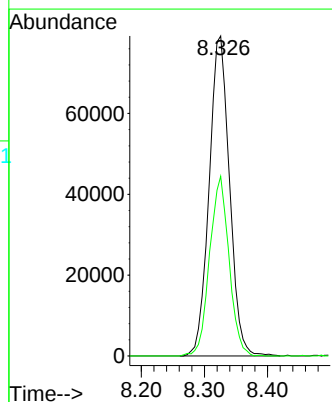
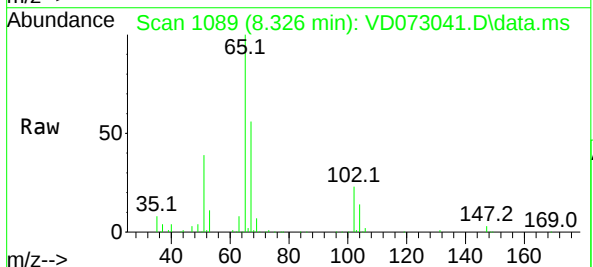


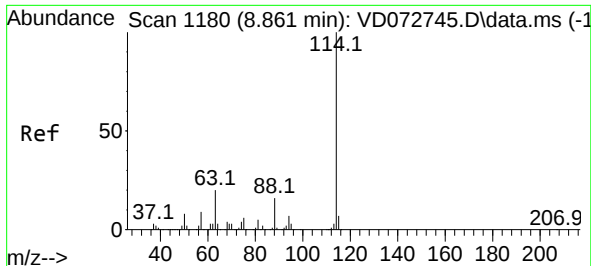
Tgt Ion: 56 Resp: 6807
Ion Ratio Lower Upper
56 100
69 229.9 25.4 38.2#
84 166.5 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 46.495 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD073041.D
Acq: 16 May 2022 18:06

Tgt Ion: 65 Resp: 177417
Ion Ratio Lower Upper
65 100
67 53.5 0.0 101.4

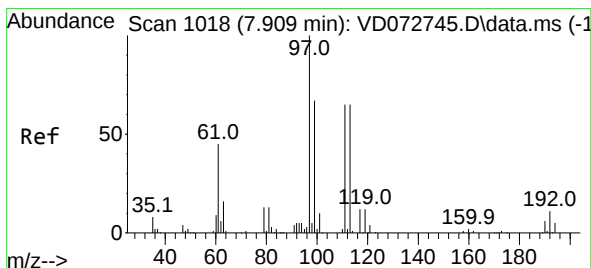
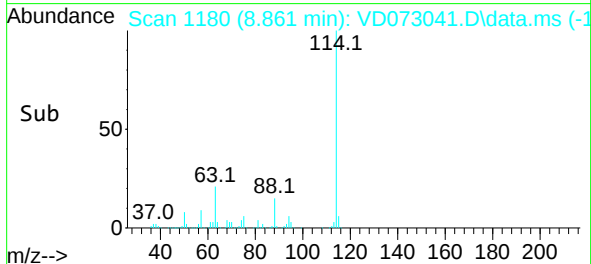
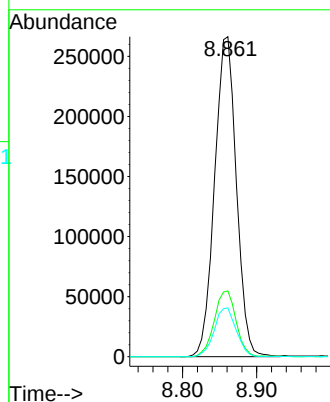
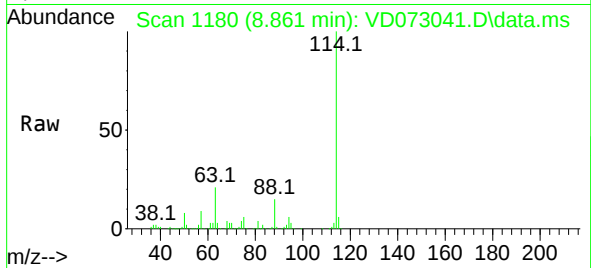




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD073041.D
Acq: 16 May 2022 18:06

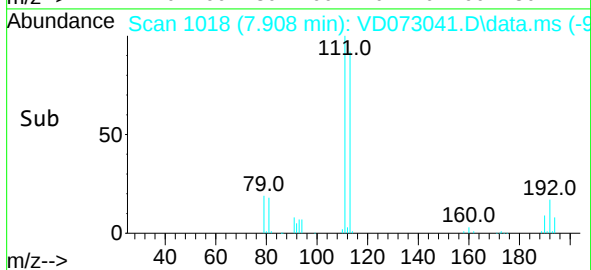
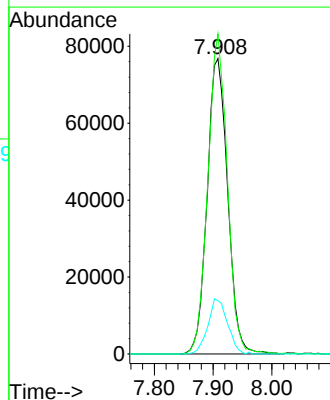
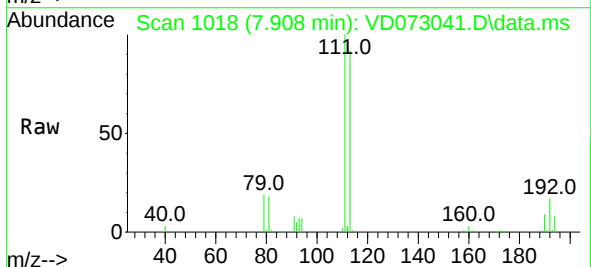
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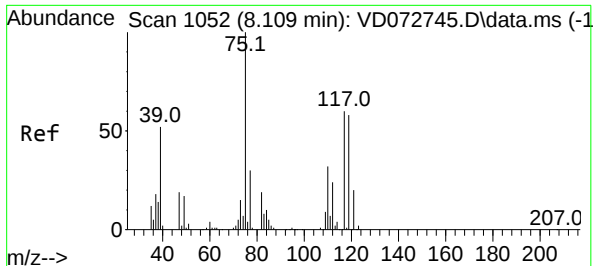
Tgt Ion:	114	Resp:	543134
Ion Ratio	Lower	Upper	
114	100		
63	20.5	0.0	46.6
88	15.2	0.0	33.2



#35
Dibromofluoromethane
Concen: 48.861 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.001 min
Lab File: VD073041.D
Acq: 16 May 2022 18:06

Tgt Ion:	113	Resp:	186381
Ion Ratio	Lower	Upper	
113	100		
111	103.0	83.8	125.6
192	17.9	14.6	21.8





#36

1,1-Dichloropropene

Concen: 4.080 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD073041.D

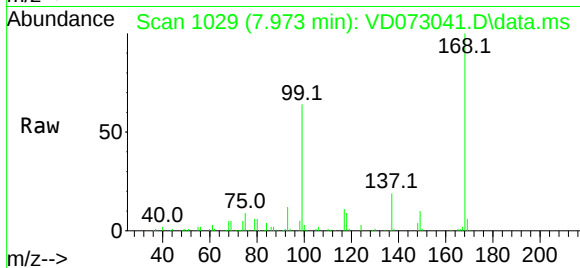
Acq: 16 May 2022 18:06

Instrument :

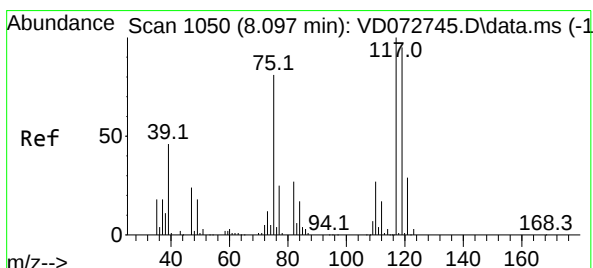
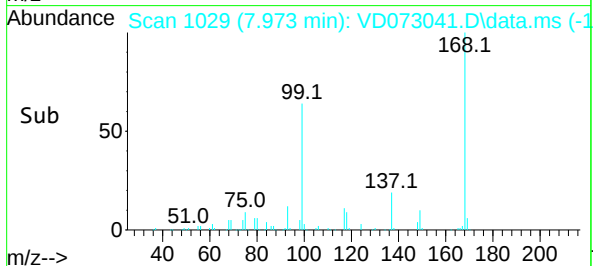
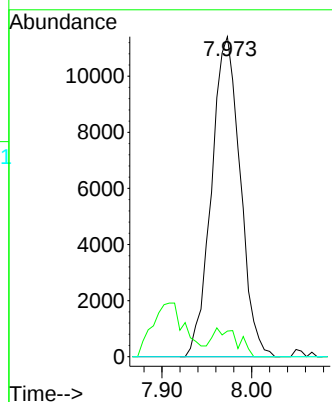
MSVOA_D

ClientSampleId :

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Tgt Ion: 75	Resp: 25306
Ion Ratio	Lower Upper
75	100
110	7.8 16.4 49.1#
77	0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.017 ug/l

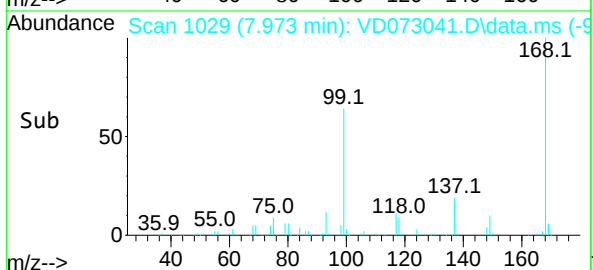
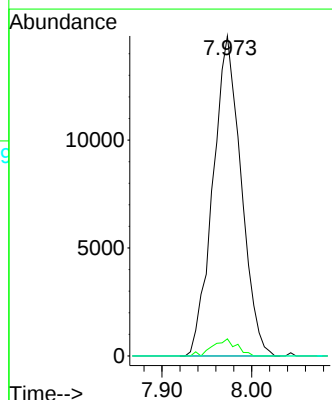
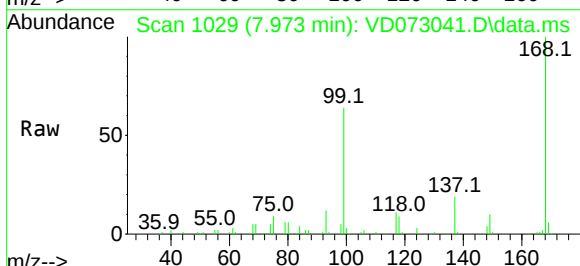
RT: 7.973 min Scan# 1029

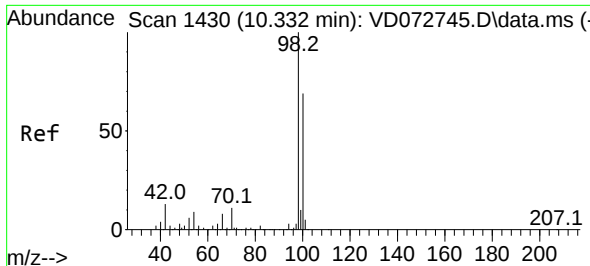
Delta R.T. -0.124 min

Lab File: VD073041.D

Acq: 16 May 2022 18:06

Tgt Ion: 117	Resp: 32304
Ion Ratio	Lower Upper
117	100
119	5.4 75.8 113.6#
121	0.0 24.5 36.7#

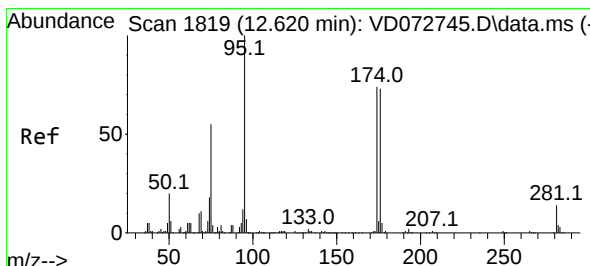
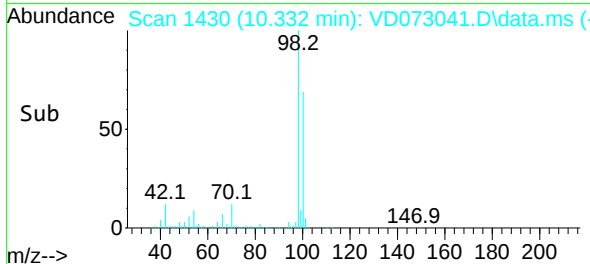
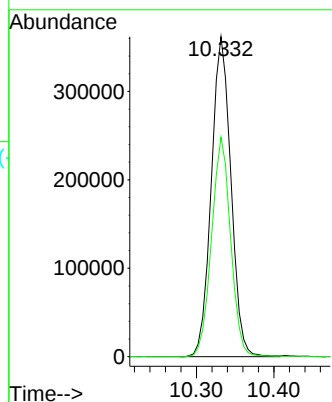
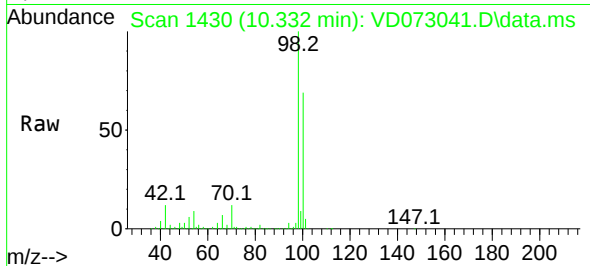




#50
Toluene-d8
Concen: 46.487 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073041.D
Acq: 16 May 2022 18:06

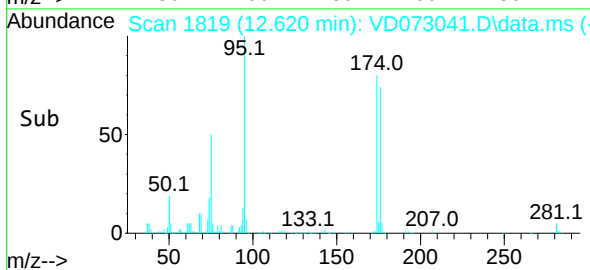
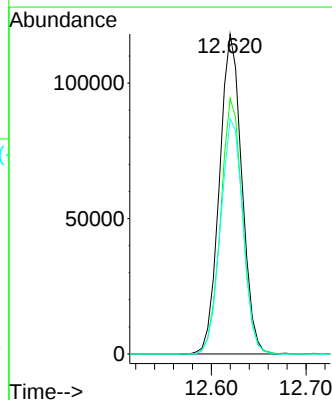
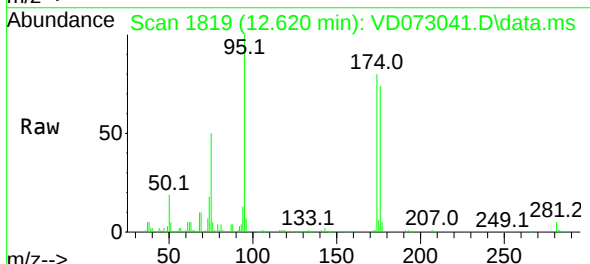
Instrument :
MSVOA_D
ClientSampleId :
P007-SS013-0006-01

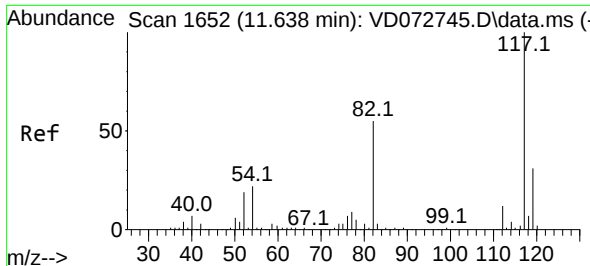
Tgt Ion: 98 Resp: 636085
Ion Ratio Lower Upper
98 100
100 66.7 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 37.940 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073041.D
Acq: 16 May 2022 18:06

Tgt Ion: 95 Resp: 193568
Ion Ratio Lower Upper
95 100
174 78.0 0.0 152.8
176 73.8 0.0 145.4

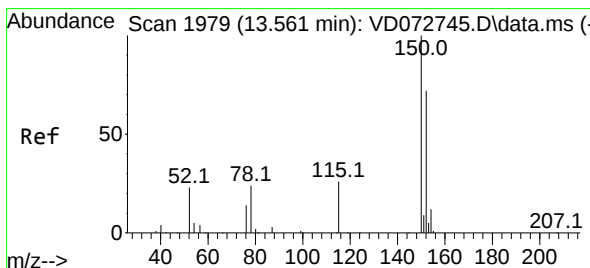
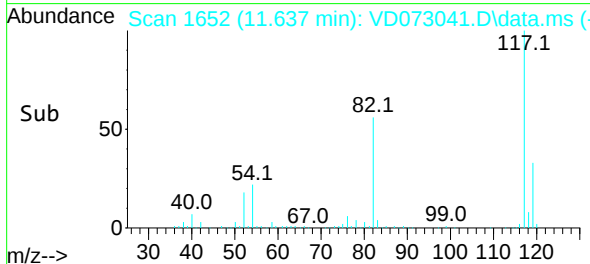
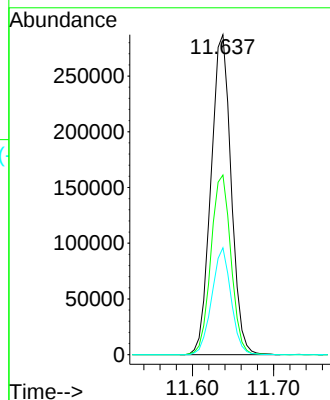
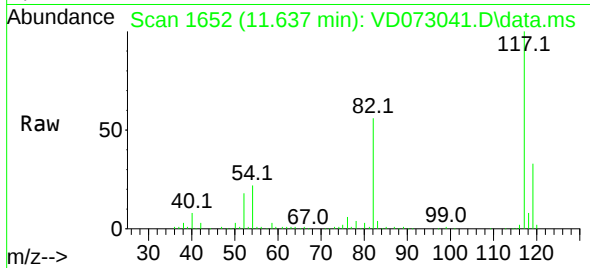




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 117
Delta R.T. -0.001 min
Lab File: VD073041.D
Acq: 16 May 2022 18:06

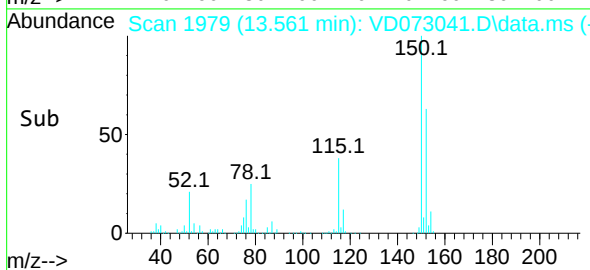
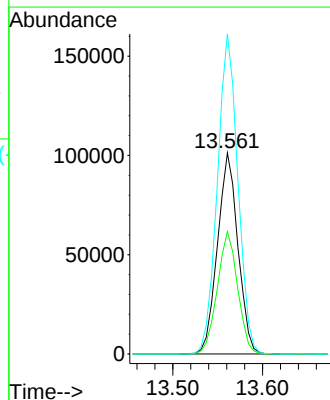
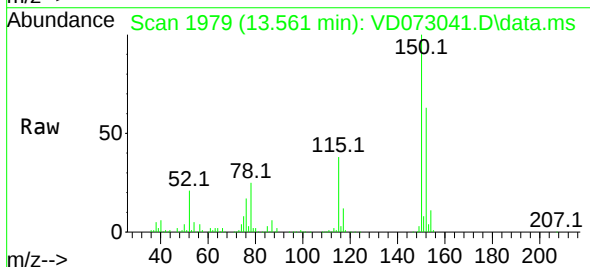
Instrument :
MSVOA_D
ClientSampleId :
P007-SS013-0006-01

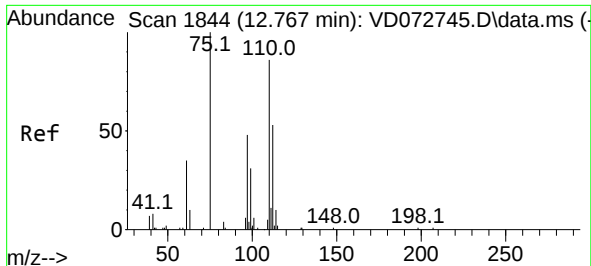
Tgt Ion:117 Resp: 494729
Ion Ratio Lower Upper
117 100
82 56.2 45.3 67.9
119 33.4 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD073041.D
Acq: 16 May 2022 18:06

Tgt Ion:152 Resp: 160148
Ion Ratio Lower Upper
152 100
115 60.4 31.3 93.8
150 159.2 0.0 348.6

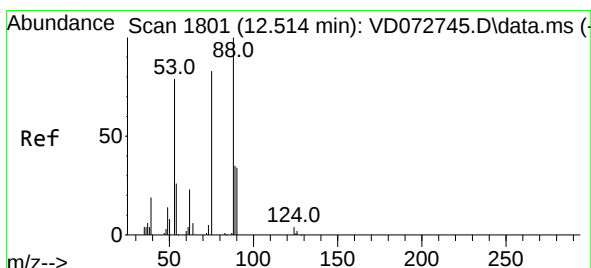
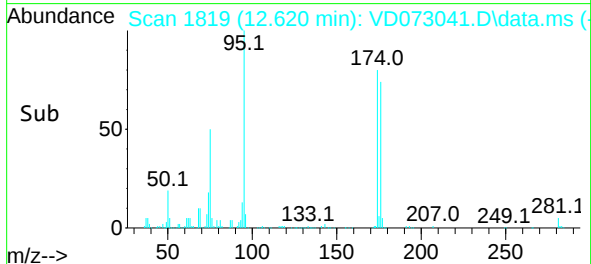
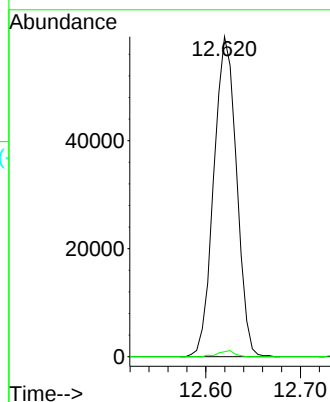
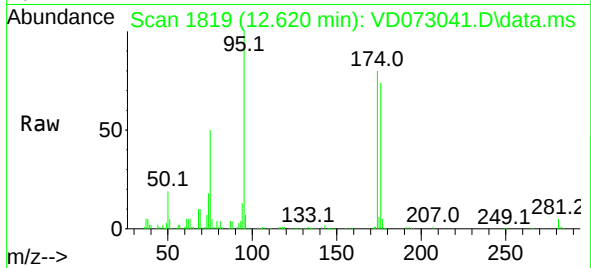




#76
1,2,3-Trichloropropane
Concen: 55.467 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073041.D
Acq: 16 May 2022 18:06

Instrument :
MSVOA_D
ClientSampleId :
P007-SS013-0006-01

Tgt Ion: 75 Resp: 99051
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.552 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073041.D
Acq: 16 May 2022 18:06

Tgt Ion: 75 Resp: 99051
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.0 33.9 50.9#

