

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080922\
 Data File : VD074014.D
 Acq On : 10 Aug 2022 04:22
 Operator : VA/SY
 Sample : N4046-21
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 10 04:49:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 01:05:43 2022
 Response via : Initial Calibration

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

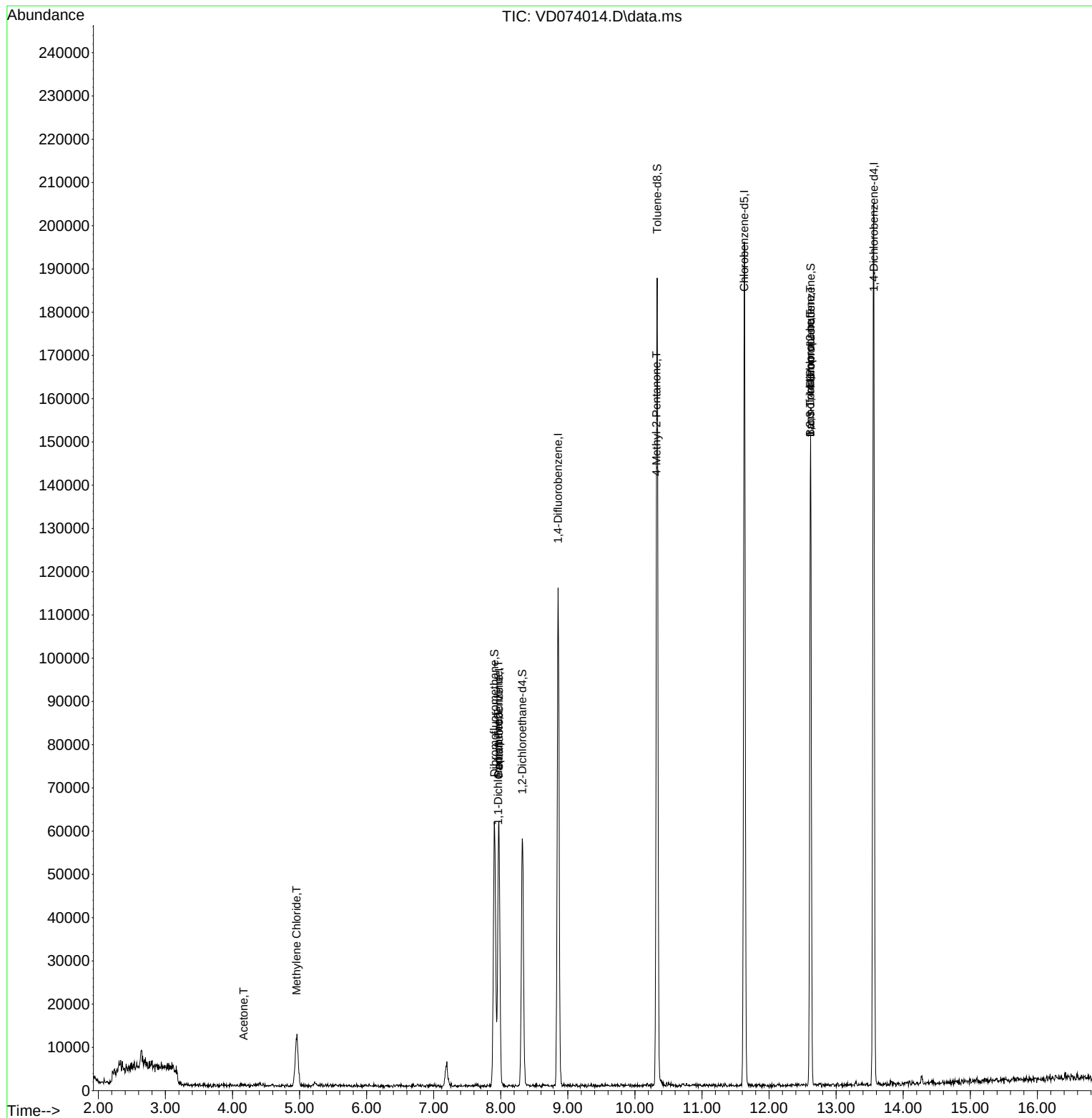
Internal Standards						
1) Pentafluorobenzene	7.973	168	44037	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	96937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	108226	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	52683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	45848	117.431	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 234.860%#			
35) Dibromofluoromethane	7.903	113	43344	73.196	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 146.400%			
50) Toluene-d8	10.332	98	127619	72.956	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 145.920%#			
62) 4-Bromofluorobenzene	12.620	95	47056	62.592	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 125.180%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	246	Below Cal	#	21
5) Bromomethane	2.773	94	424	Below Cal	#	15
11) Tert butyl alcohol	5.214	59	1021	Below Cal	#	74
16) Acetone	4.167	43	385	4.729	ug/l #	46
17) Carbon Disulfide	4.403	76	1026	Below Cal	#	73
18) Methyl Acetate	4.597	43	66	Below Cal	#	49
20) Methylene Chloride	4.956	84	9068	12.223	ug/l	95
31) Cyclohexane	7.979	56	676	Below Cal	#	41
36) 1,1-Dichloropropene	7.961	75	4411	5.292	ug/l #	48
38) Carbon Tetrachloride	7.967	117	5130	5.228	ug/l #	13
51) 4-Methyl-2-Pentanone	10.320	43	546	1.544	ug/l #	1
71) Bromoform	12.614	173	751	1.558	ug/l #	29
76) 1,2,3-Trichloropropane	12.614	75	26049	65.235	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.614	75	26049	140.207	ug/l #	13

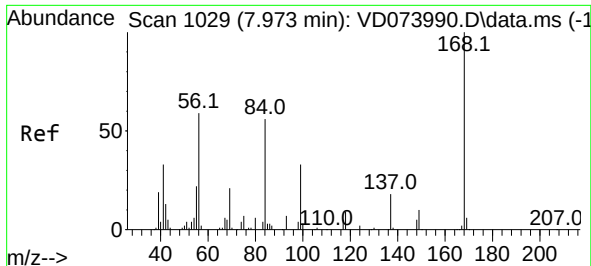
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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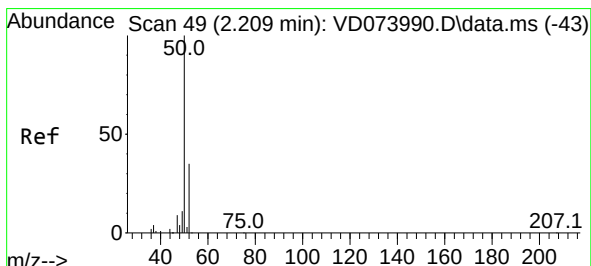
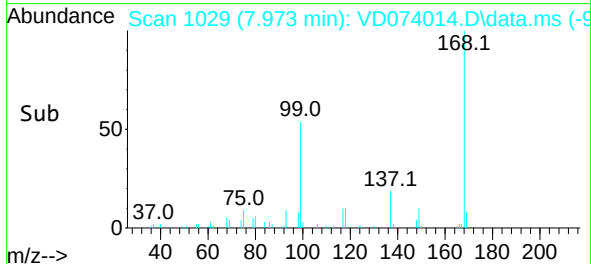
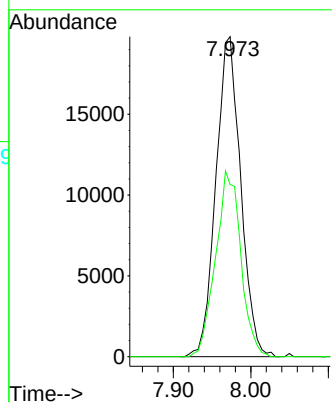
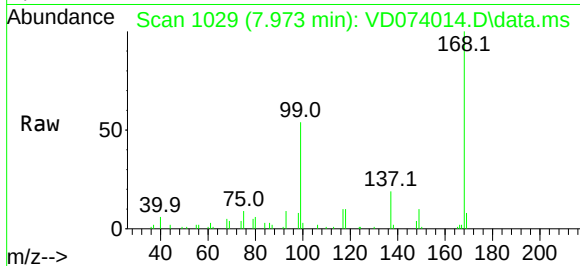




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD074014.D
Acq: 10 Aug 2022 04:22

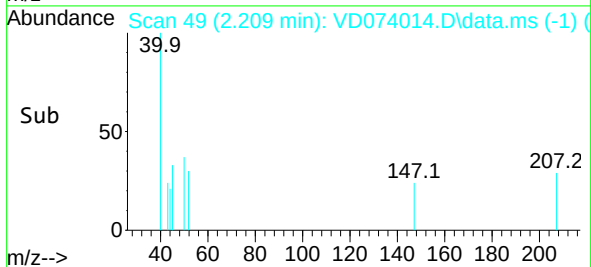
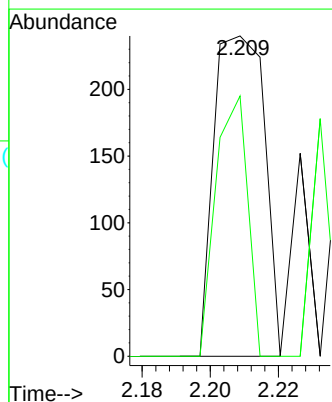
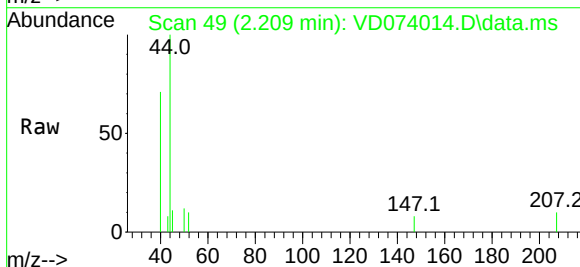
Instrument :
MSVOA_D
ClientSampleId :

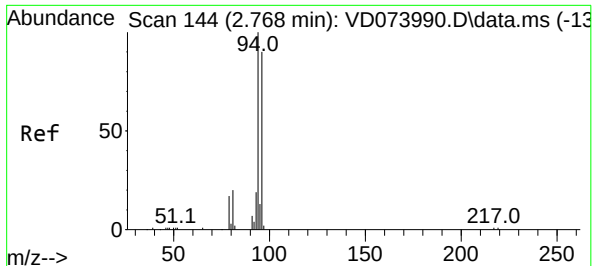
Tgt Ion:168 Resp: 44037
Ion Ratio Lower Upper
168 100
99 53.8 48.3 72.5



#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD074014.D
Acq: 10 Aug 2022 04:22

Tgt Ion: 50 Resp: 246
Ion Ratio Lower Upper
50 100
52 81.2 28.1 42.1#

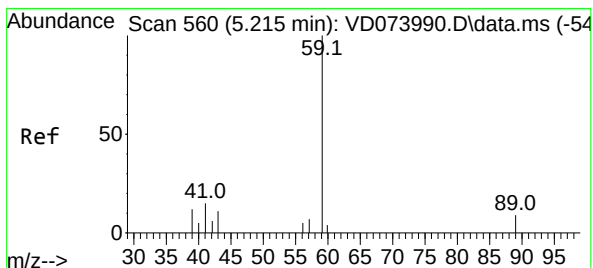
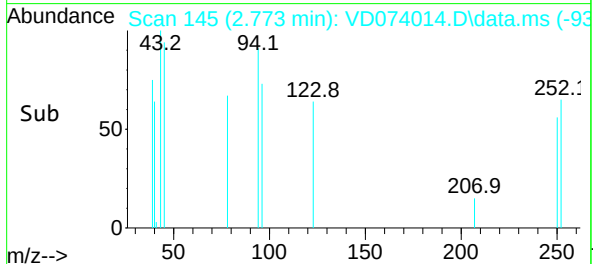
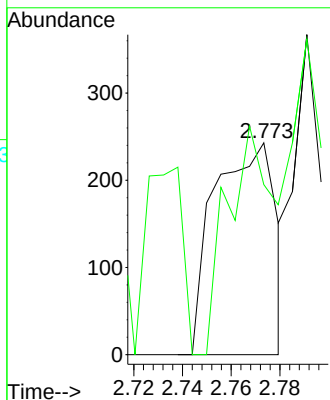
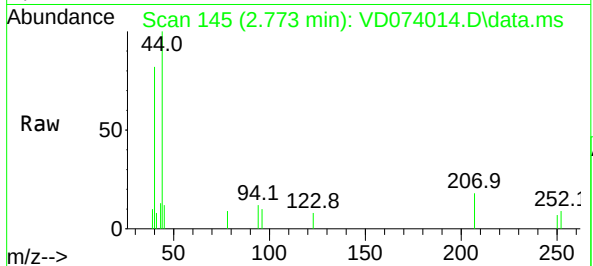




#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 14
Delta R.T. 0.005 min
Lab File: VD074014.D
Acq: 10 Aug 2022 04:22

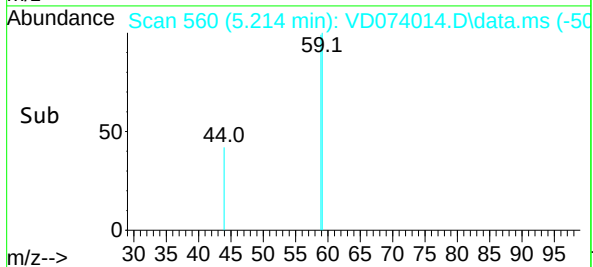
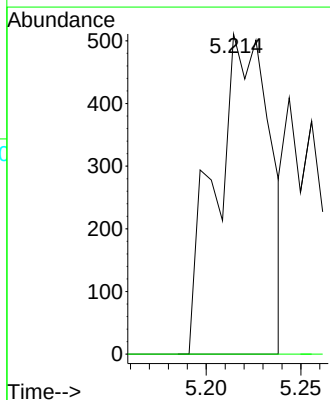
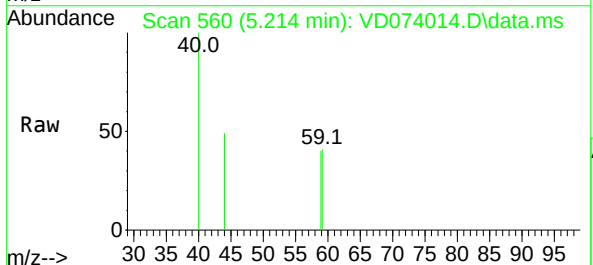
Instrument :
MSVOA_D
ClientSampleId :

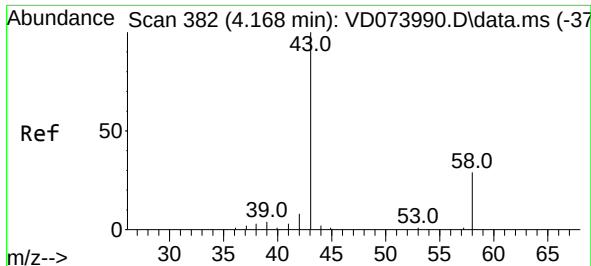
Tgt Ion: 94 Resp: 424
Ion Ratio Lower Upper
94 100
96 9.5 72.0 108.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.214 min Scan# 560
Delta R.T. -0.001 min
Lab File: VD074014.D
Acq: 10 Aug 2022 04:22

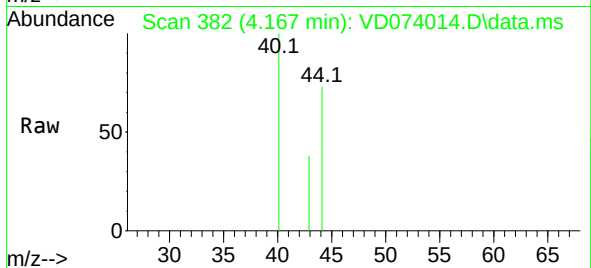
Tgt Ion: 59 Resp: 1021
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



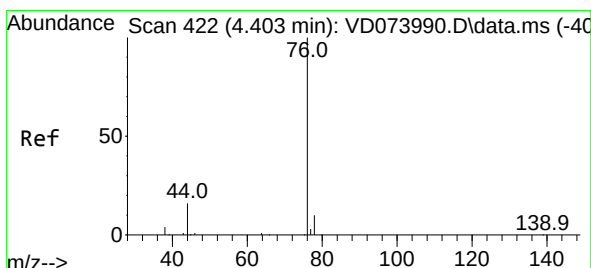
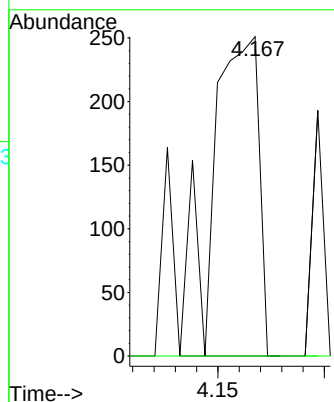
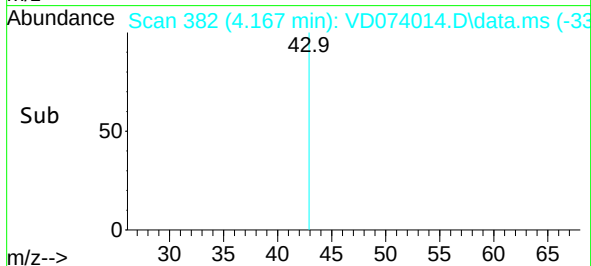


#16
Acetone
Concen: 4.729 ug/l
RT: 4.167 min Scan# 382
Delta R.T. -0.001 min
Lab File: VD074014.D
Acq: 10 Aug 2022 04:22

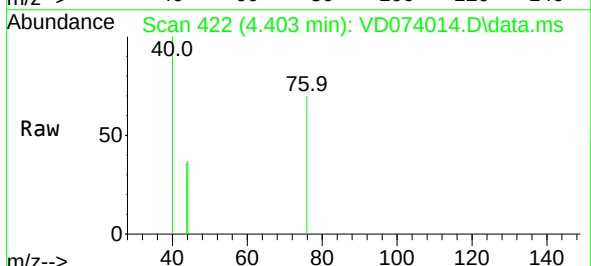
Instrument :
MSVOA_D
ClientSampleId :



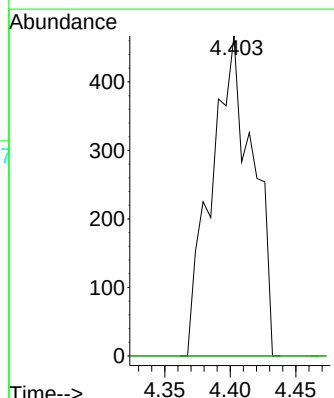
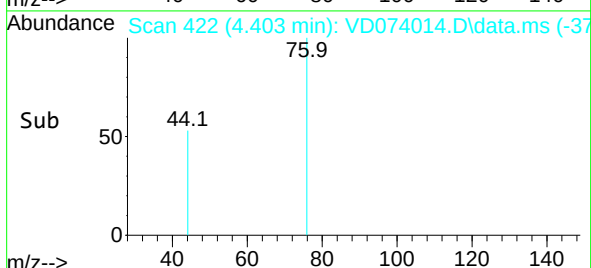
Tgt Ion: 43 Resp: 385
Ion Ratio Lower Upper
43 100
58 0.0 22.8 34.2#

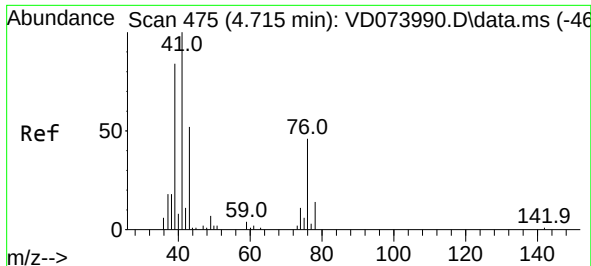


#17
Carbon Disulfide
Concen: Below Cal
RT: 4.403 min Scan# 422
Delta R.T. -0.000 min
Lab File: VD074014.D
Acq: 10 Aug 2022 04:22



Tgt Ion: 76 Resp: 1026
Ion Ratio Lower Upper
76 100
78 0.0 7.9 11.9#

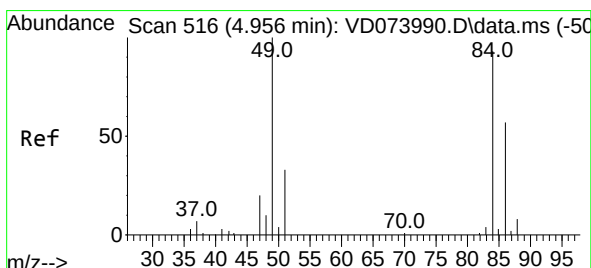
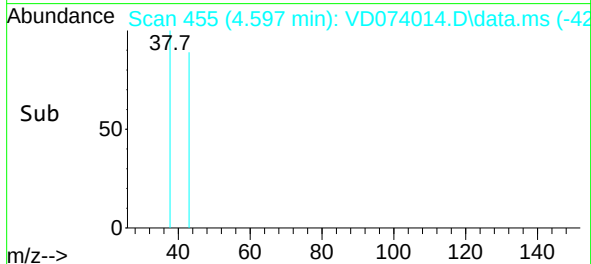
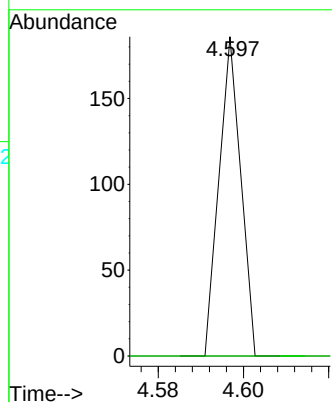
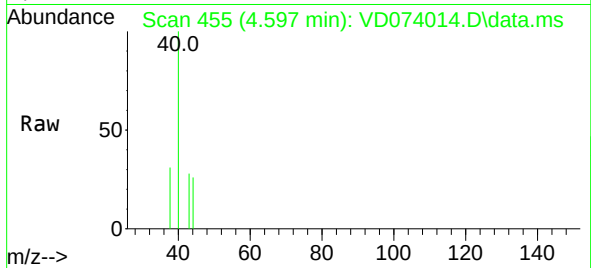




#18
Methyl Acetate
Concen: Below Cal
RT: 4.597 min Scan# 41
Delta R.T. -0.118 min
Lab File: VD074014.D
Acq: 10 Aug 2022 04:22

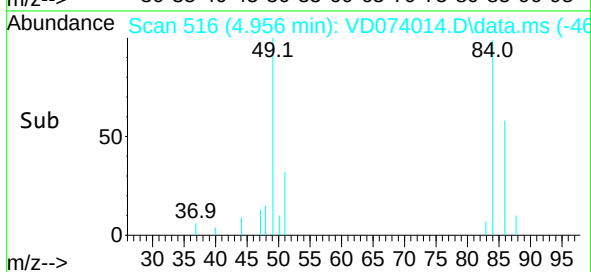
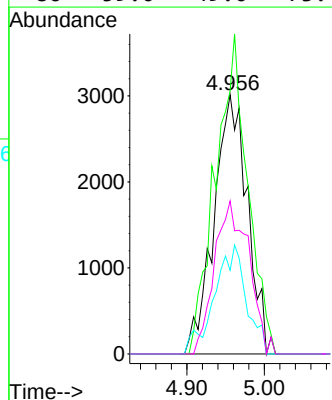
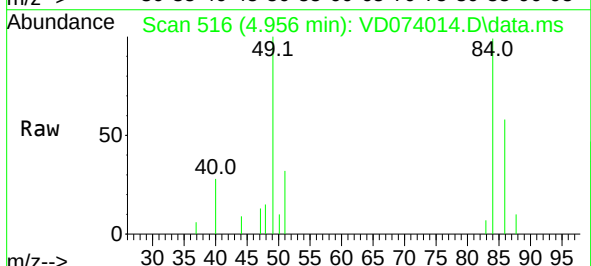
Instrument :
MSVOA_D
ClientSampleId :

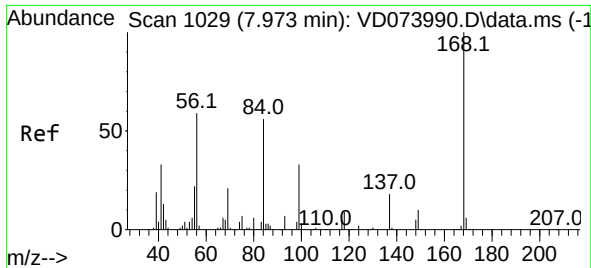
Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



#20
Methylene Chloride
Concen: 12.223 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.000 min
Lab File: VD074014.D
Acq: 10 Aug 2022 04:22

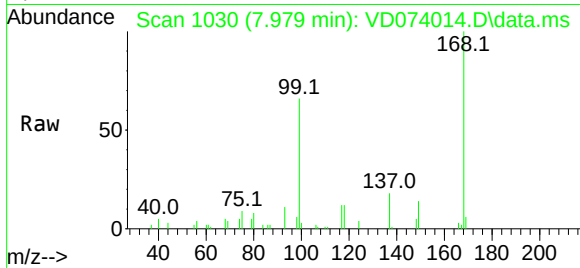
Tgt Ion: 84 Resp: 9068
Ion Ratio Lower Upper
84 100
49 101.5 85.8 128.6
51 32.3 28.0 42.0
86 59.0 49.0 73.4



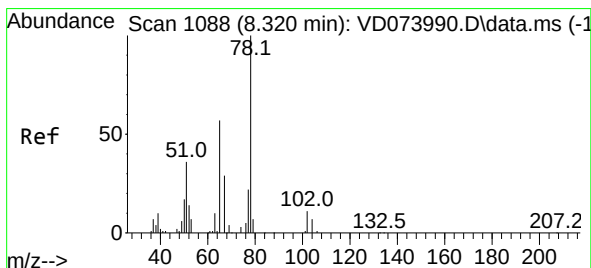
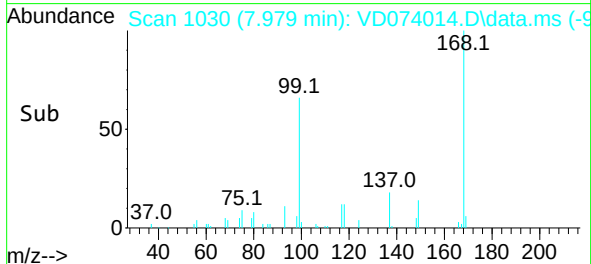
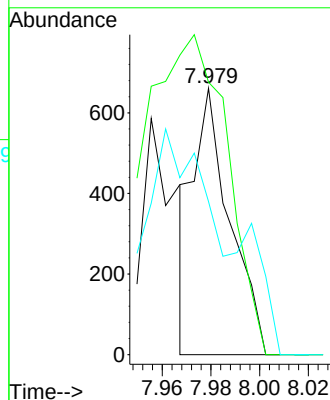


#31
Cyclohexane
Concen: Below Cal
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD074014.D
Acq: 10 Aug 2022 04:22

Instrument :
MSVOA_D
ClientSampleId :

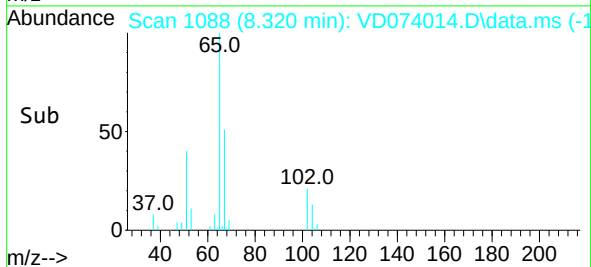
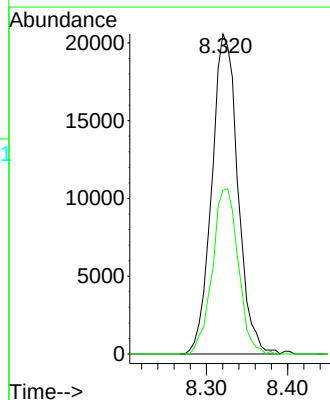
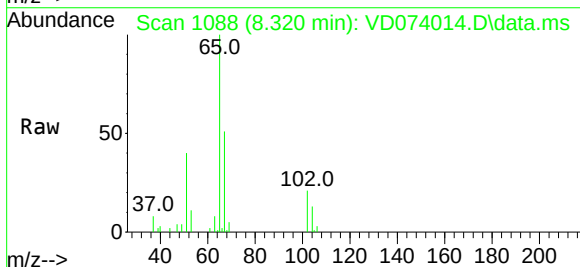


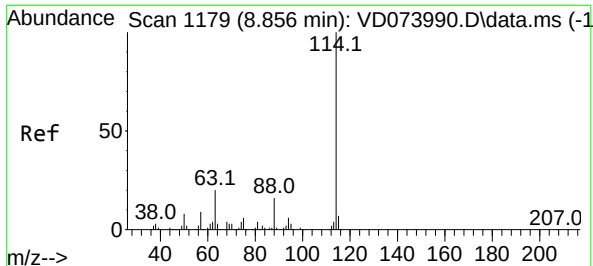
Tgt Ion: 56 Resp: 676
Ion Ratio Lower Upper
56 100
69 102.3 27.9 41.9#
84 57.5 75.8 113.6#



#33
1,2-Dichloroethane-d4
Concen: 117.431 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VD074014.D
Acq: 10 Aug 2022 04:22

Tgt Ion: 65 Resp: 45848
Ion Ratio Lower Upper
65 100
67 51.2 0.0 113.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.001 min

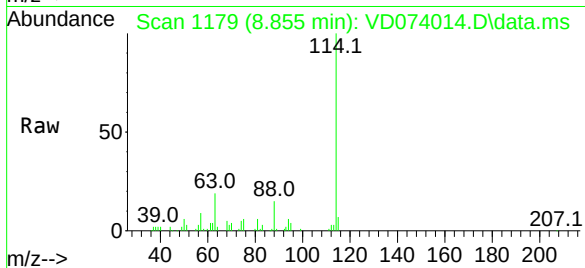
Lab File: VD074014.D

Acq: 10 Aug 2022 04:22

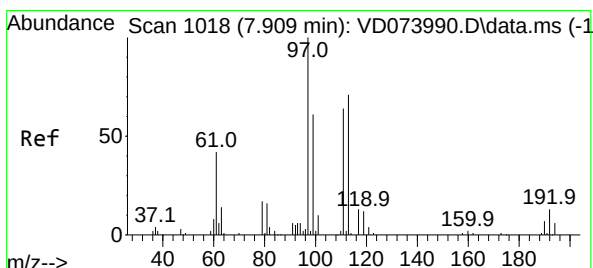
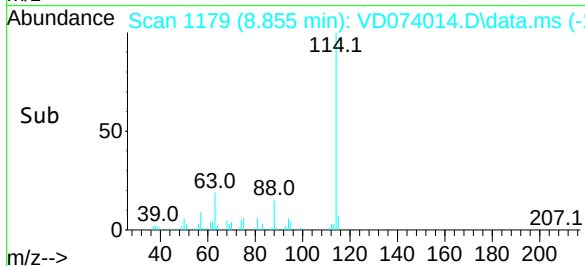
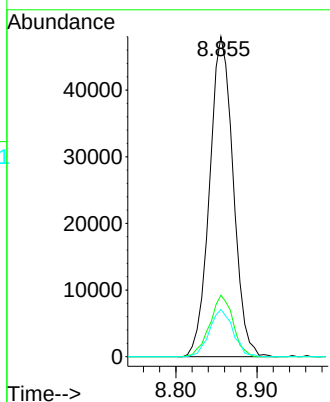
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	114	Resp:	96937
Ion Ratio	Lower	Upper	
114	100		
63	19.2	0.0	41.0
88	14.7	0.0	31.6



#35

Dibromofluoromethane

Concen: 73.196 ug/l

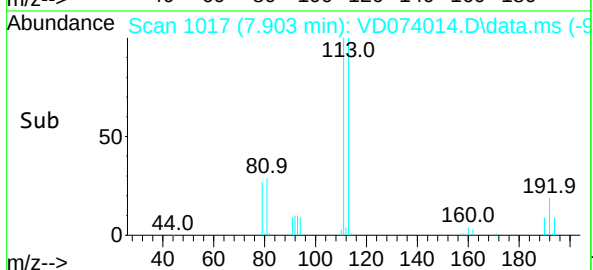
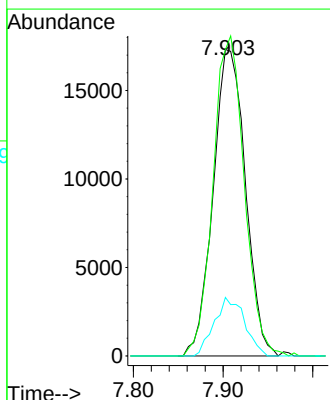
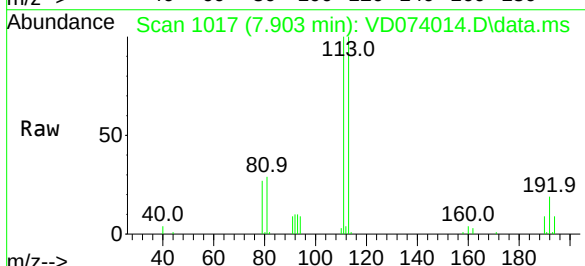
RT: 7.903 min Scan# 1017

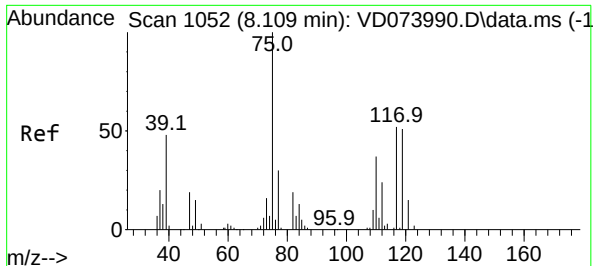
Delta R.T. -0.006 min

Lab File: VD074014.D

Acq: 10 Aug 2022 04:22

Tgt Ion:	113	Resp:	43344
Ion Ratio	Lower	Upper	
113	100		
111	100.9	80.0	120.0
192	17.9	14.2	21.4





#36

1,1-Dichloropropene

Concen: 5.292 ug/l

RT: 7.961 min Scan# 1027

Delta R.T. -0.147 min

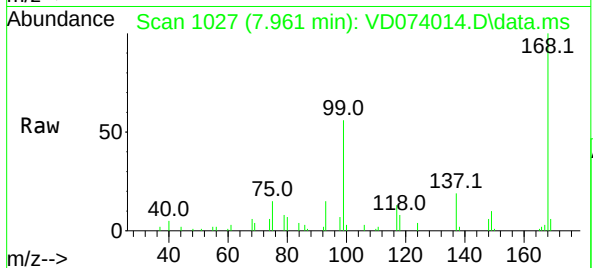
Lab File: VD074014.D

Acq: 10 Aug 2022 04:22

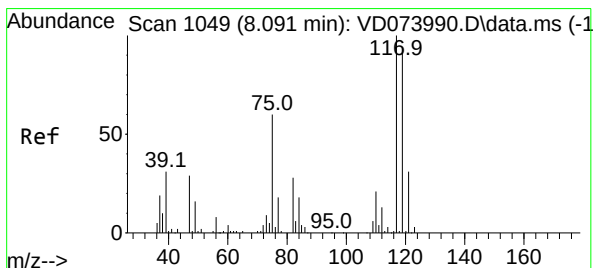
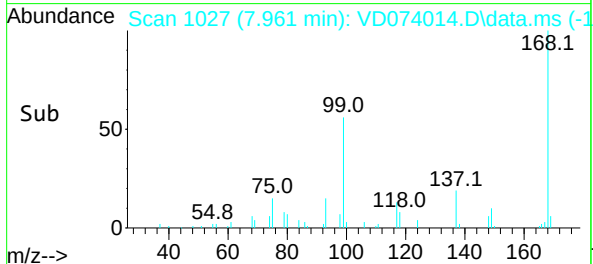
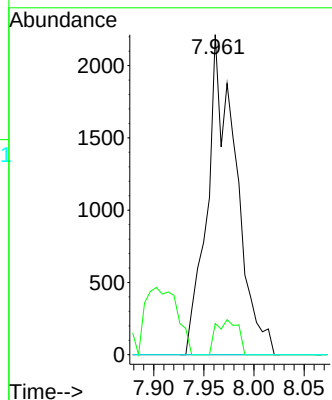
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 4411
Ion Ratio	Lower Upper
75	100
110	8.4 18.4 55.4#
77	0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.228 ug/l

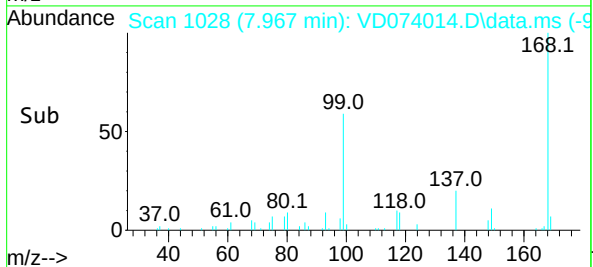
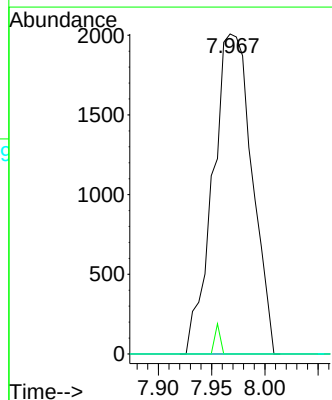
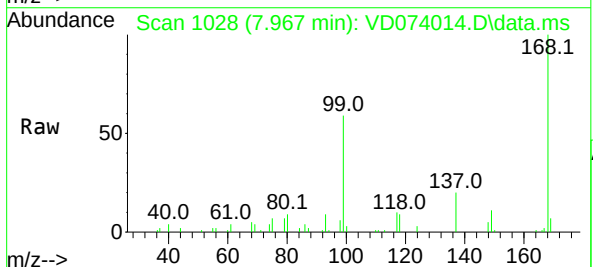
RT: 7.967 min Scan# 1028

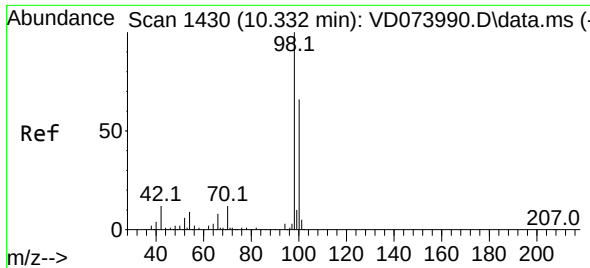
Delta R.T. -0.124 min

Lab File: VD074014.D

Acq: 10 Aug 2022 04:22

Tgt Ion: 117	Resp: 5130
Ion Ratio	Lower Upper
117	100
119	0.0 75.4 113.2#
121	0.0 25.2 37.8#

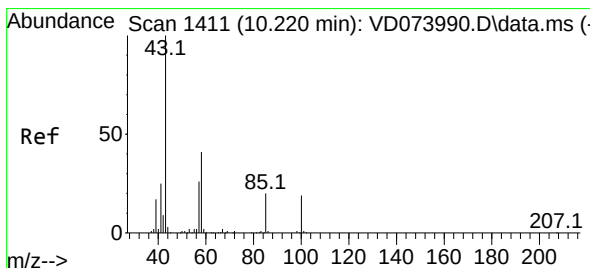
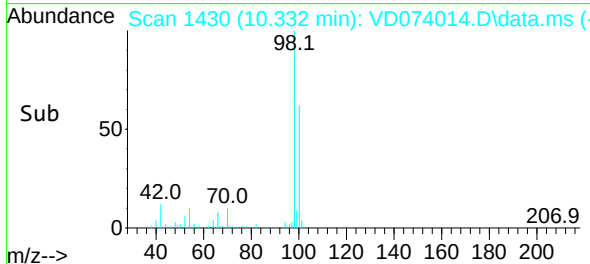
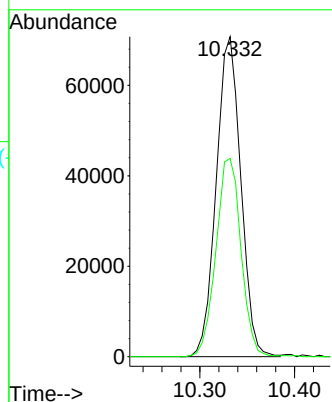
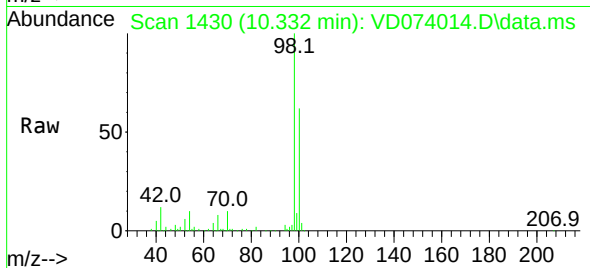




#50
Toluene-d8
Concen: 72.956 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD074014.D
Acq: 10 Aug 2022 04:22

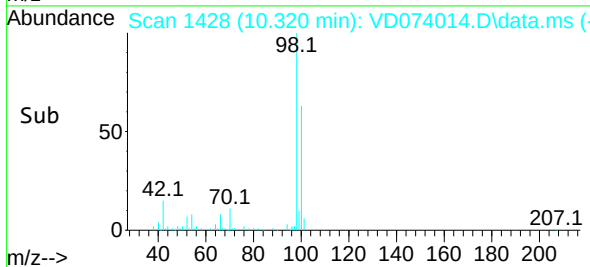
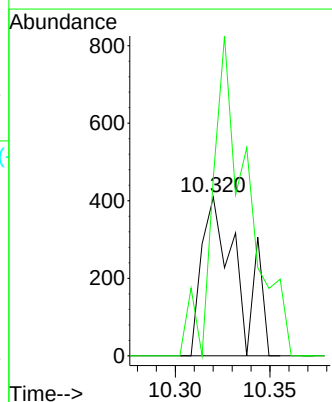
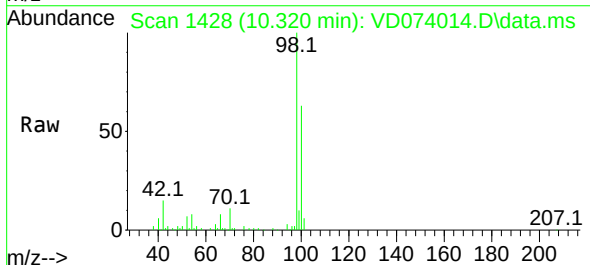
Instrument :
MSVOA_D
ClientSampleId :

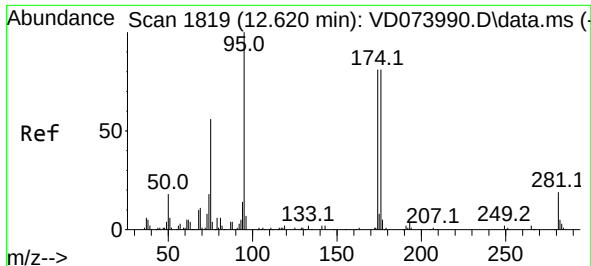
Tgt Ion: 98 Resp: 127619
Ion Ratio Lower Upper
98 100
100 63.1 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 1.544 ug/l
RT: 10.320 min Scan# 1428
Delta R.T. 0.100 min
Lab File: VD074014.D
Acq: 10 Aug 2022 04:22

Tgt Ion: 43 Resp: 546
Ion Ratio Lower Upper
43 100
58 194.5 31.7 47.5#

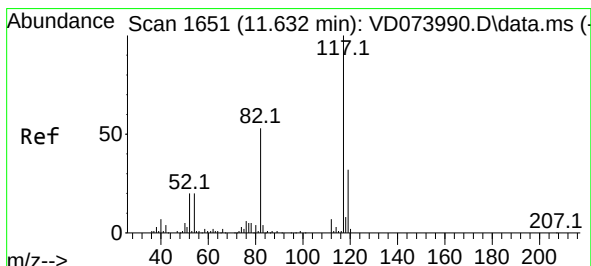
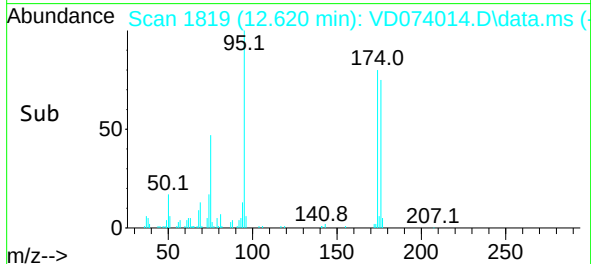
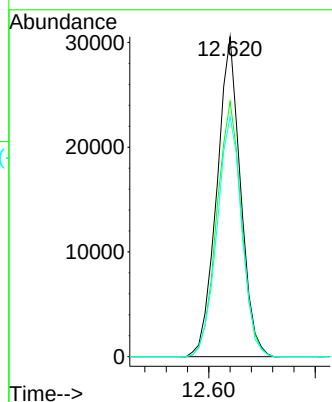
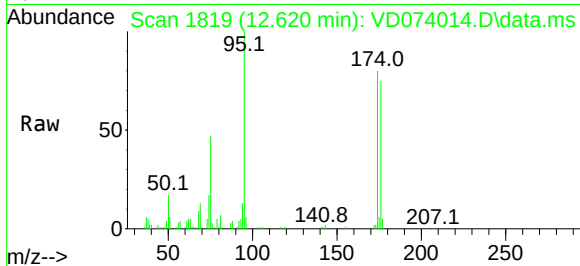




#62
4-Bromofluorobenzene
Concen: 62.592 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD074014.D
Acq: 10 Aug 2022 04:22

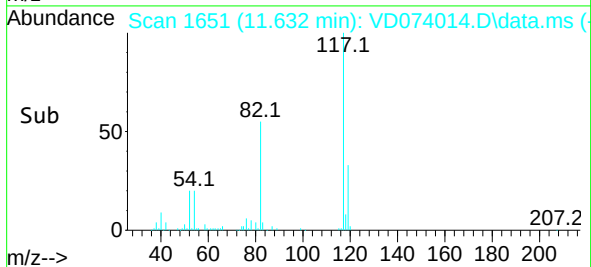
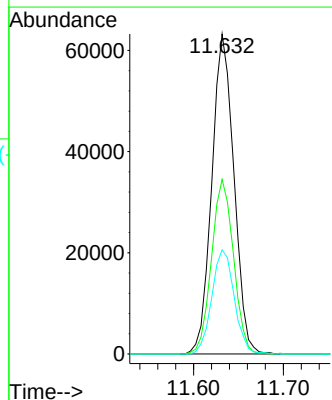
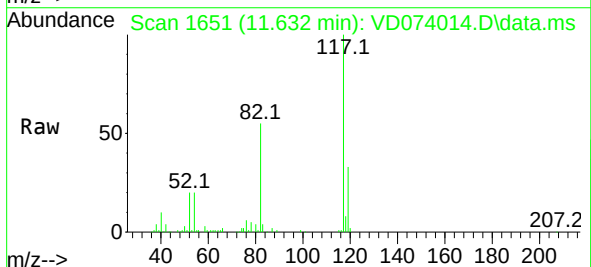
Instrument :
MSVOA_D
ClientSampleId :

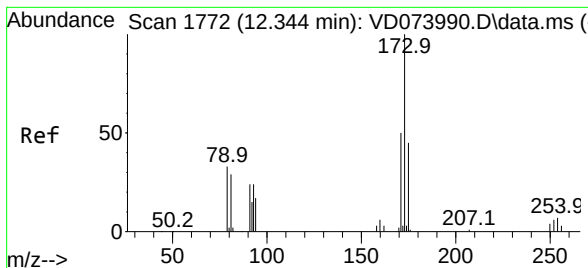
Tgt Ion: 95 Resp: 47056
Ion Ratio Lower Upper
95 100
174 83.1 0.0 162.6
176 78.6 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD074014.D
Acq: 10 Aug 2022 04:22

Tgt Ion: 117 Resp: 108226
Ion Ratio Lower Upper
117 100
82 54.6 42.7 64.1
119 32.6 25.8 38.8





#71

Bromoform

Concen: 1.558 ug/l

RT: 12.614 min Scan# 11

Delta R.T. 0.270 min

Lab File: VD074014.D

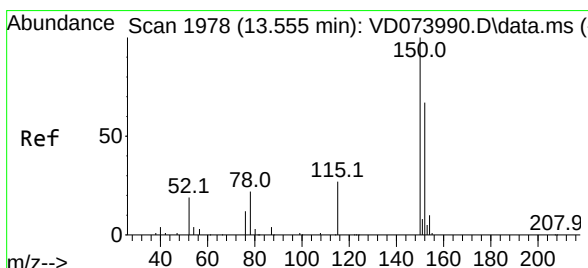
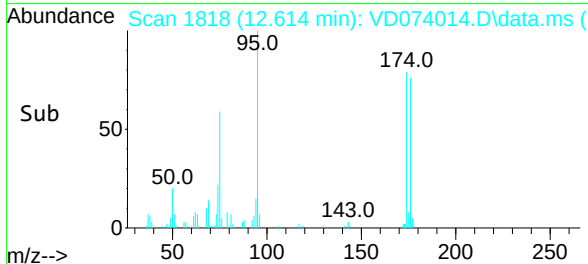
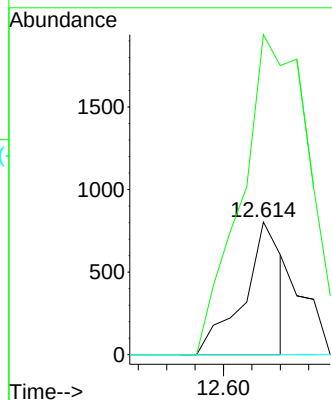
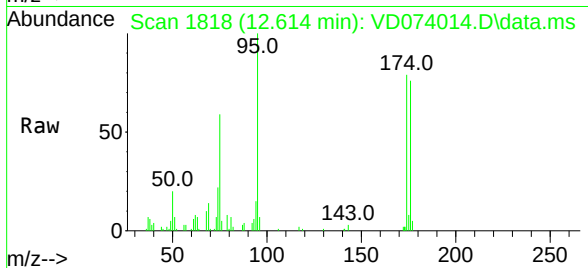
Acq: 10 Aug 2022 04:22

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:173	Resp:	751
Ion Ratio	Lower	Upper
173	100	
175	0.0	23.9 71.8#
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

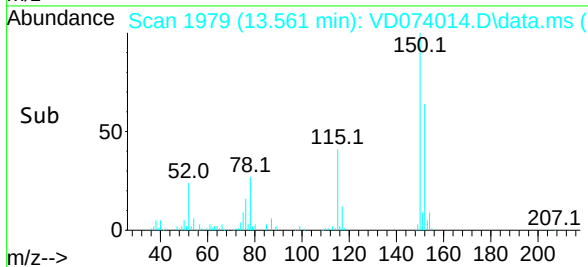
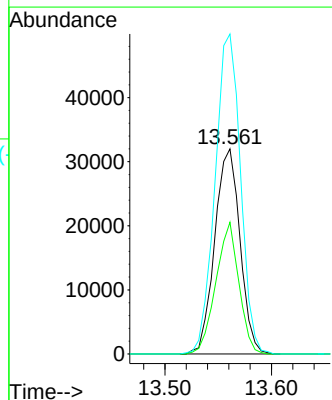
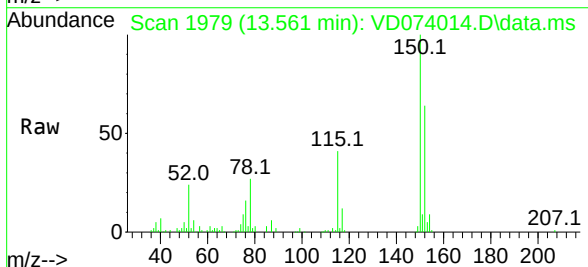
RT: 13.561 min Scan# 1979

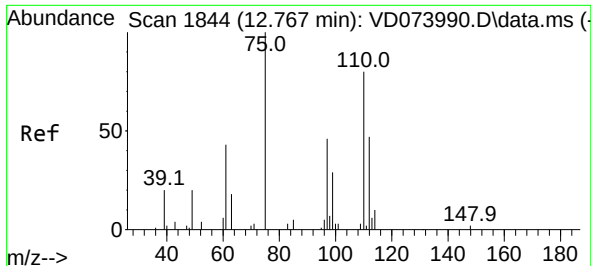
Delta R.T. 0.006 min

Lab File: VD074014.D

Acq: 10 Aug 2022 04:22

Tgt Ion:152	Resp:	52683
Ion Ratio	Lower	Upper
152	100	
115	58.4	29.9 89.8
150	157.3	0.0 342.8

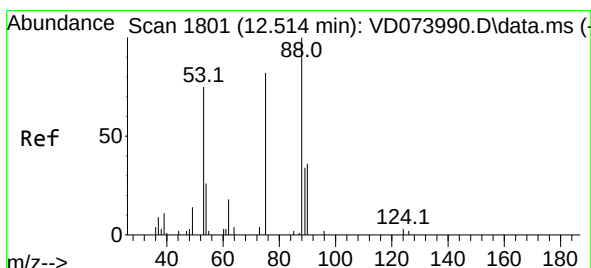
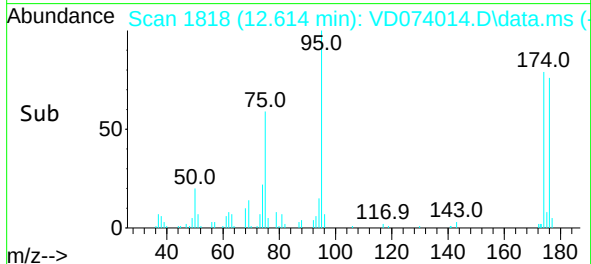
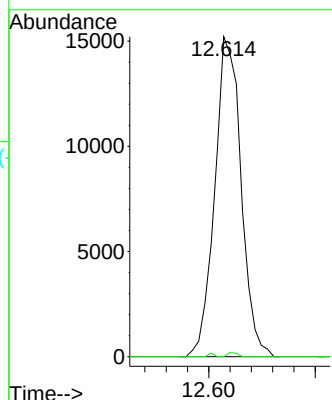
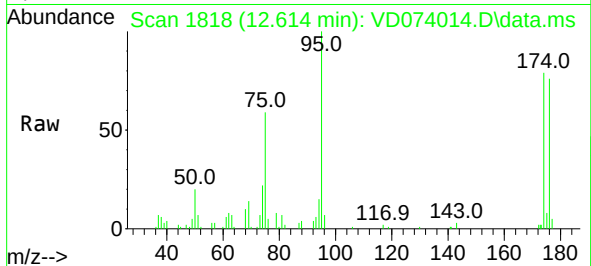




#76
1,2,3-Trichloropropane
Concen: 65.235 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.153 min
Lab File: VD074014.D
Acq: 10 Aug 2022 04:22

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 26049
Ion Ratio Lower Upper
75 100
77 0.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 140.207 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.100 min
Lab File: VD074014.D
Acq: 10 Aug 2022 04:22

Tgt Ion: 75 Resp: 26049
Ion Ratio Lower Upper
75 100
53 0.0 71.3 106.9#
89 0.0 38.3 57.5#

