

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080922\
 Data File : VD074008.D
 Acq On : 10 Aug 2022 01:25
 Operator : VA/SY
 Sample : N4046-09
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 10 04:48:17 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)

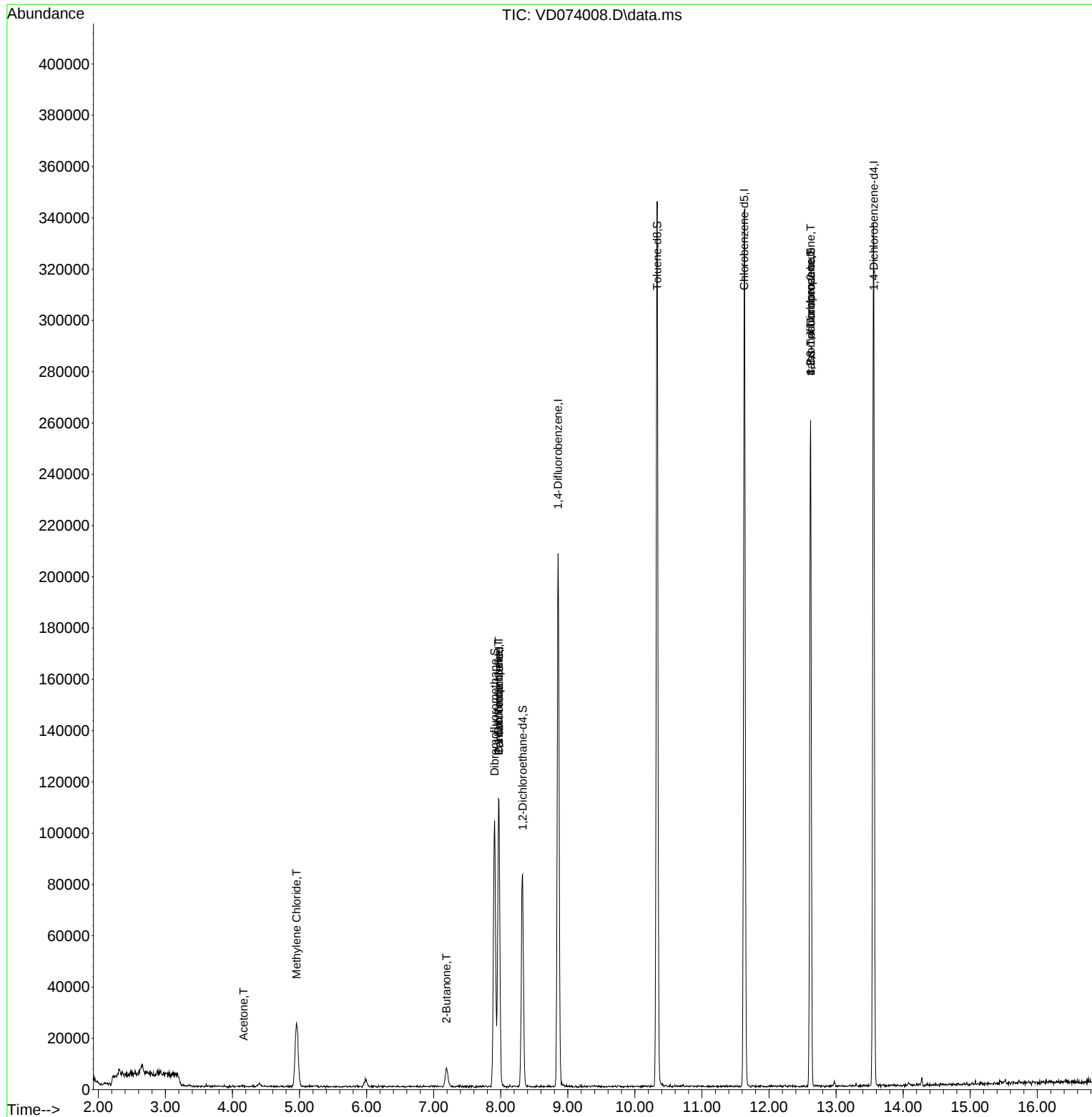
Internal Standards						
1) Pentafluorobenzene	7.973	168	78146	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	178697	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	190307	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	89483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	67291	97.125	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 194.260%#	
35) Dibromofluoromethane	7.909	113	70935	64.982	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 129.960%	
50) Toluene-d8	10.332	98	230956	71.622	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 143.240%#	
62) 4-Bromofluorobenzene	12.620	95	83627	60.342	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 120.680%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	125	Below Cal	#	43
3) Chloromethane	2.209	50	298	Below Cal	#	40
5) Bromomethane	2.756	94	762	Below Cal	#	20
11) Tert butyl alcohol	5.244	59	882	Below Cal	#	74
16) Acetone	4.168	43	579	4.008	ug/l #	46
17) Carbon Disulfide	4.403	76	2525	Below Cal	#	74
18) Methyl Acetate	4.479	43	74	Below Cal	#	49
20) Methylene Chloride	4.956	84	20177	16.931	ug/l	90
25) 2-Butanone	7.191	43	389	1.776	ug/l #	46
31) Cyclohexane	7.967	56	2117	Below Cal	#	43
36) 1,1-Dichloropropene	7.967	75	6907	4.495	ug/l #	51
38) Carbon Tetrachloride	7.973	117	8523	4.712	ug/l #	13
76) 1,2,3-Trichloropropane	12.620	75	44518	65.638	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	44518	141.073	ug/l #	13

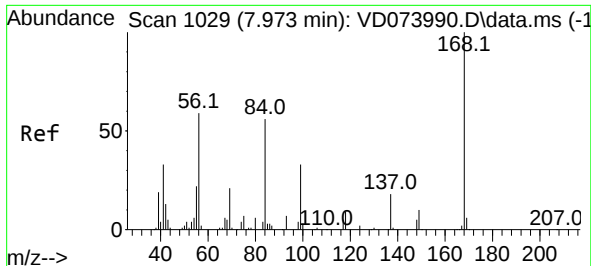
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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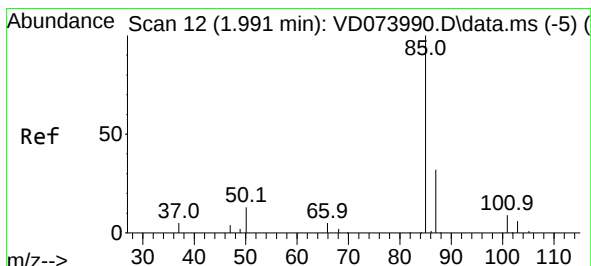
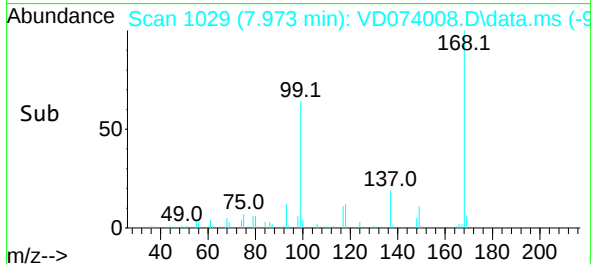
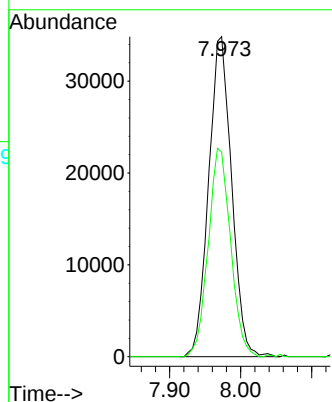
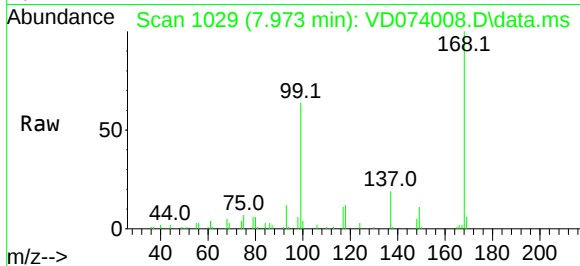




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD074008.D
Acq: 10 Aug 2022 01:25

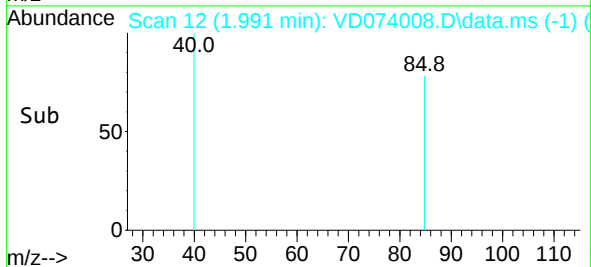
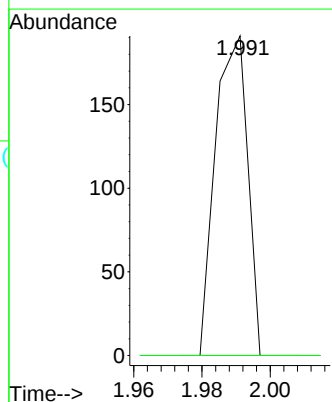
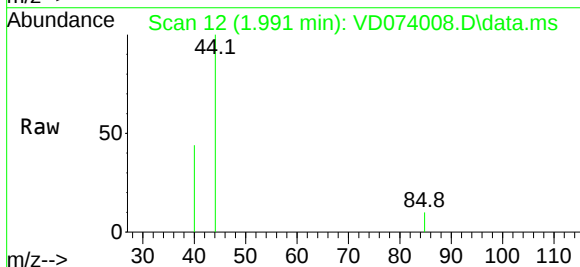
Instrument :
MSVOA_D
ClientSampleId :

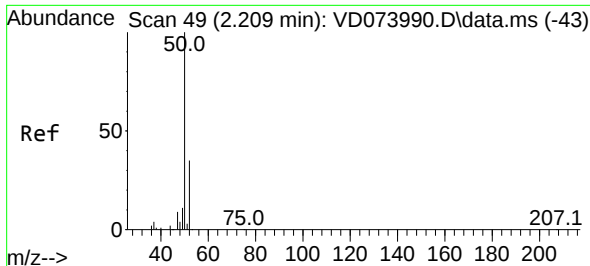
Tgt Ion:168 Resp: 78146
Ion Ratio Lower Upper
168 100
99 63.9 48.3 72.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD074008.D
Acq: 10 Aug 2022 01:25

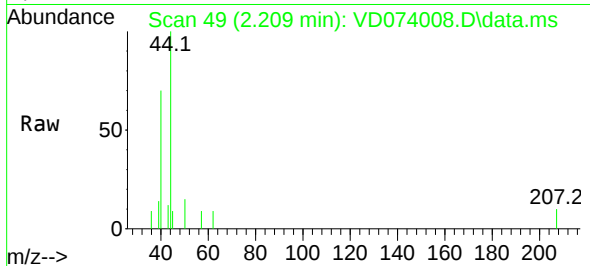
Tgt Ion: 85 Resp: 125
Ion Ratio Lower Upper
85 100
87 0.0 16.0 47.9#



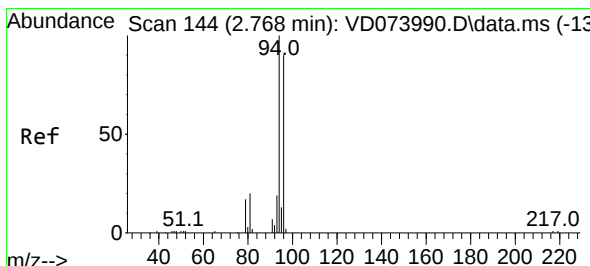
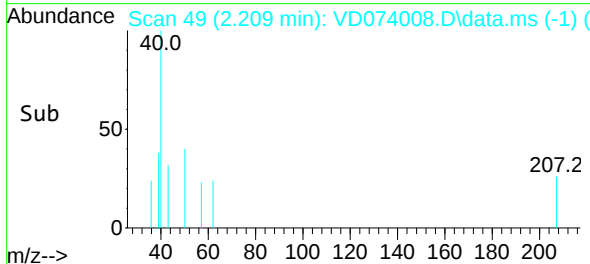
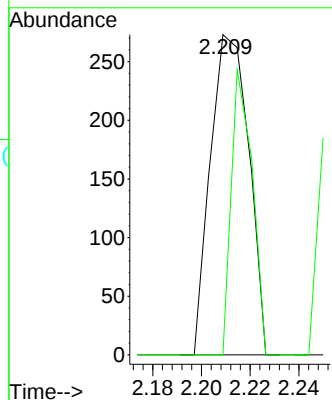


#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD074008.D
Acq: 10 Aug 2022 01:25

Instrument :
MSVOA_D
ClientSampleId :

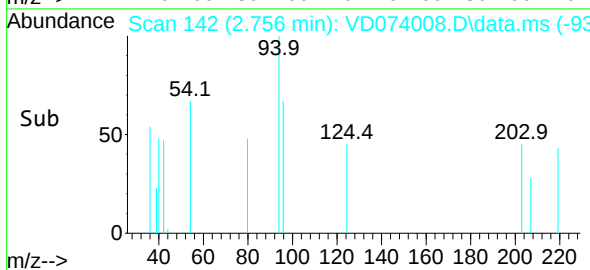
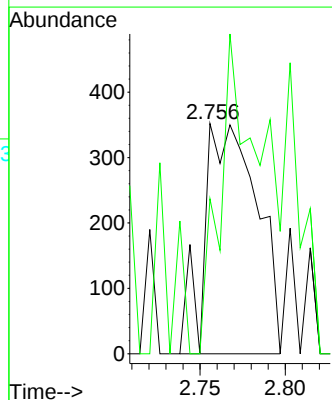
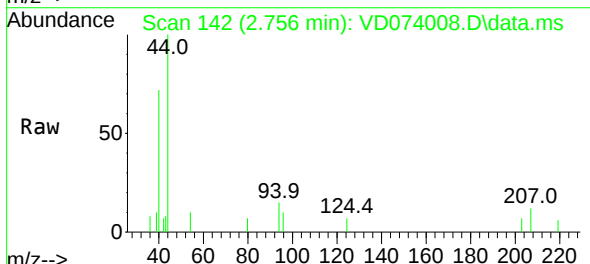


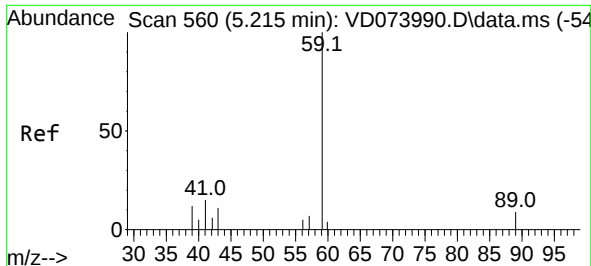
Tgt Ion: 50 Resp: 298
Ion Ratio Lower Upper
50 100
52 0.0 28.1 42.1#



#5
Bromomethane
Concen: Below Cal
RT: 2.756 min Scan# 142
Delta R.T. -0.012 min
Lab File: VD074008.D
Acq: 10 Aug 2022 01:25

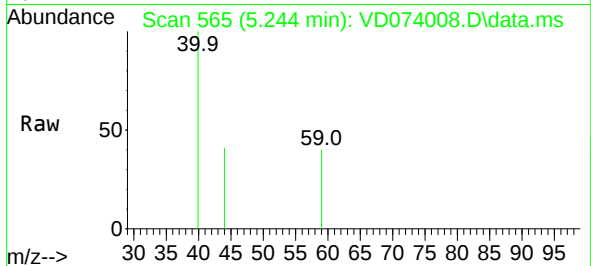
Tgt Ion: 94 Resp: 762
Ion Ratio Lower Upper
94 100
96 14.2 72.0 108.0#



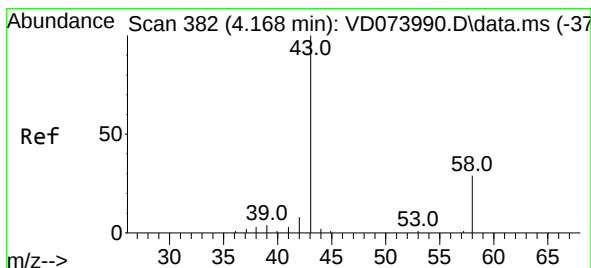
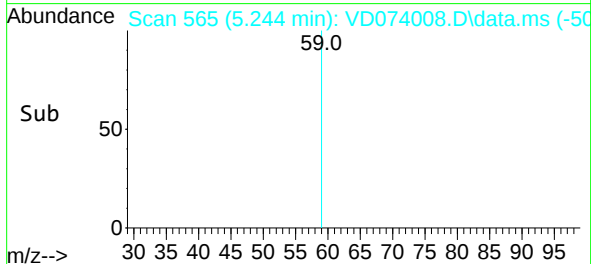
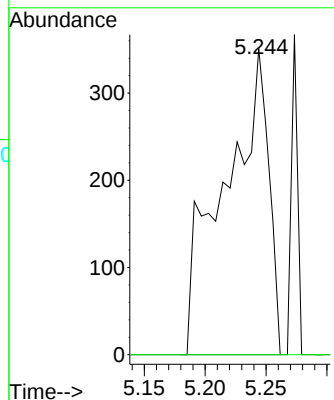


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.244 min Scan# 50
Delta R.T. 0.029 min
Lab File: VD074008.D
Acq: 10 Aug 2022 01:25

Instrument :
MSVOA_D
ClientSampleId :

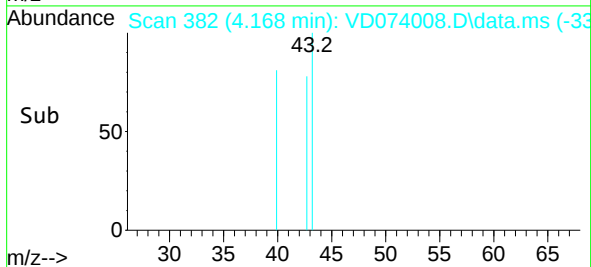
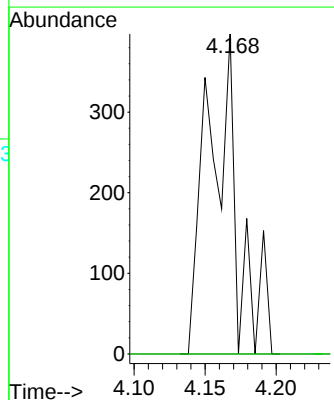
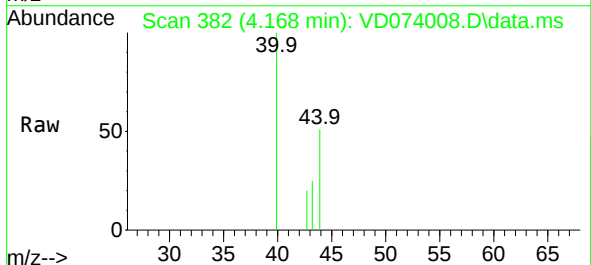


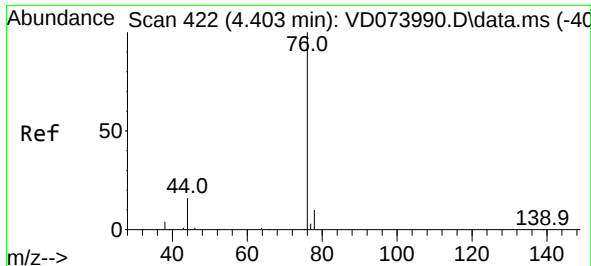
Tgt Ion: 59 Resp: 882
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 4.008 ug/l
RT: 4.168 min Scan# 382
Delta R.T. -0.000 min
Lab File: VD074008.D
Acq: 10 Aug 2022 01:25

Tgt Ion: 43 Resp: 579
Ion Ratio Lower Upper
43 100
58 0.0 22.8 34.2#





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.403 min Scan# 431

Delta R.T. -0.000 min

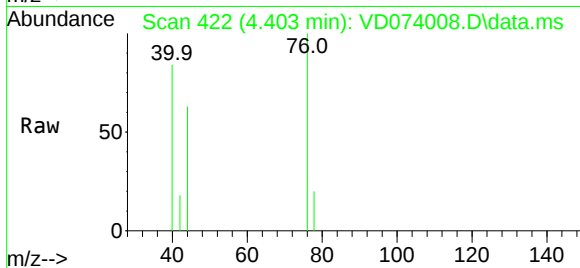
Lab File: VD074008.D

Acq: 10 Aug 2022 01:25

Instrument :

MSVOA_D

ClientSampleId :

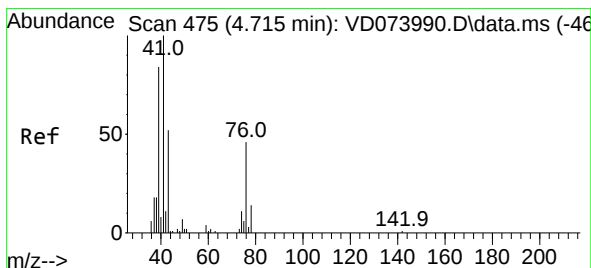
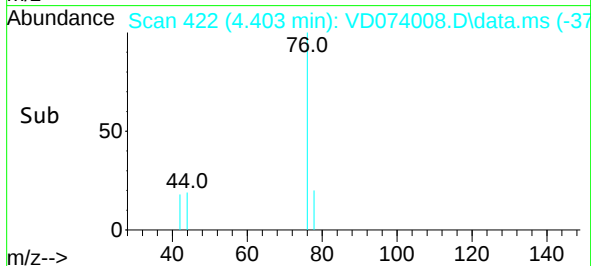
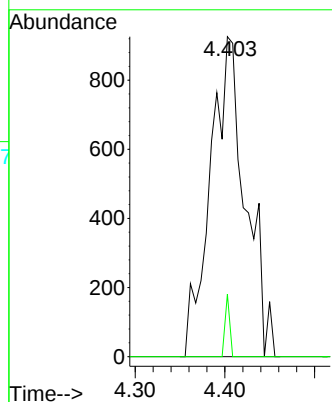


Tgt Ion: 76 Resp: 2525

Ion Ratio Lower Upper

76 100

78 19.5 7.9 11.9#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.479 min Scan# 435

Delta R.T. -0.236 min

Lab File: VD074008.D

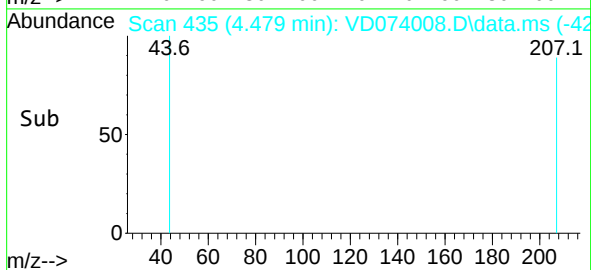
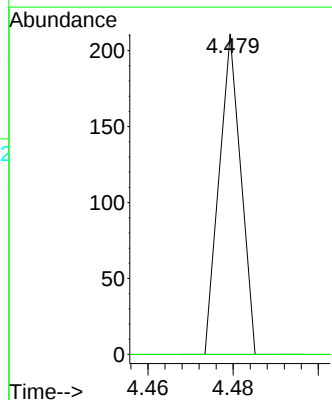
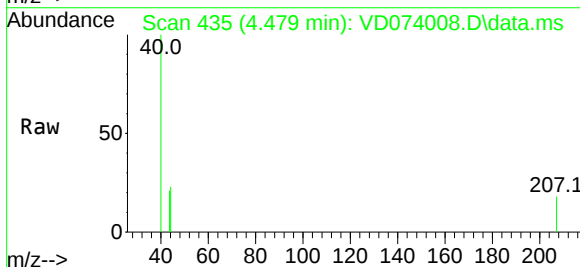
Acq: 10 Aug 2022 01:25

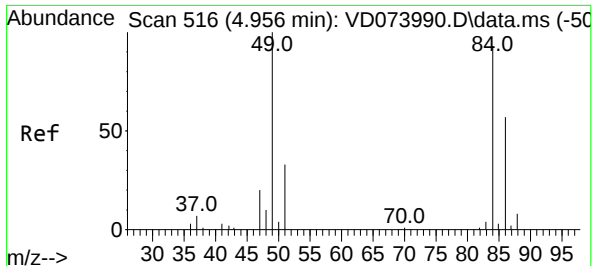
Tgt Ion: 43 Resp: 74

Ion Ratio Lower Upper

43 100

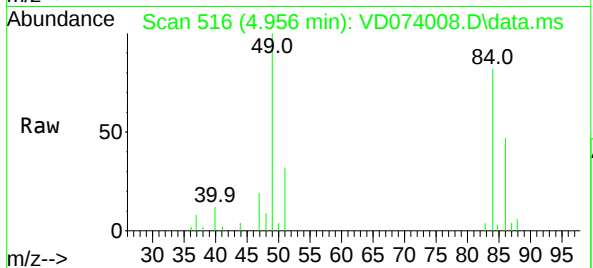
74 0.0 21.0 31.4#



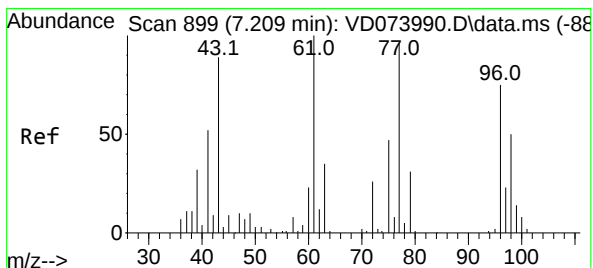
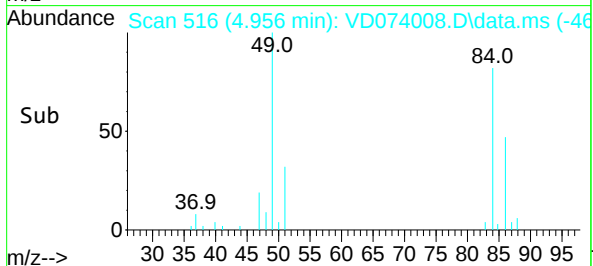
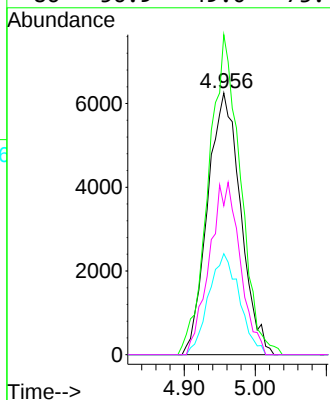


#20
Methylene Chloride
Concen: 16.931 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.000 min
Lab File: VD074008.D
Acq: 10 Aug 2022 01:25

Instrument :
MSVOA_D
ClientSampleId :

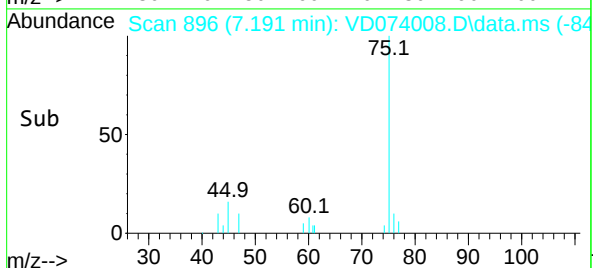
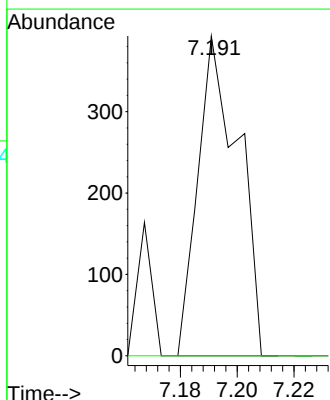
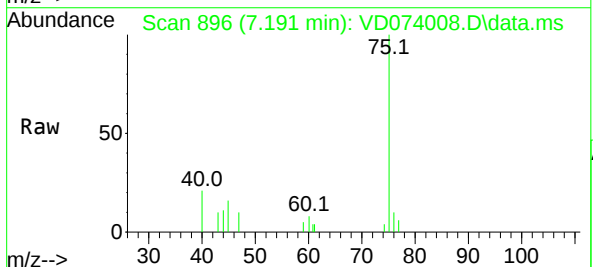


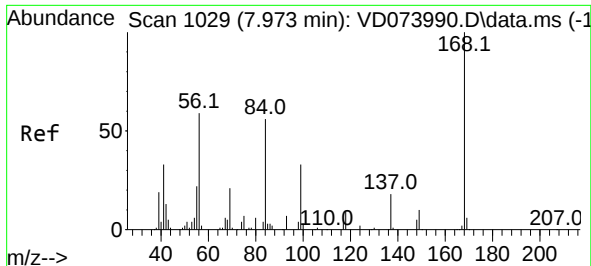
Tgt Ion: 84	Resp: 20177
Ion Ratio	Lower Upper
84 100	
49 122.3	85.8 128.6
51 38.6	28.0 42.0
86 56.9	49.0 73.4



#25
2-Butanone
Concen: 1.776 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.018 min
Lab File: VD074008.D
Acq: 10 Aug 2022 01:25

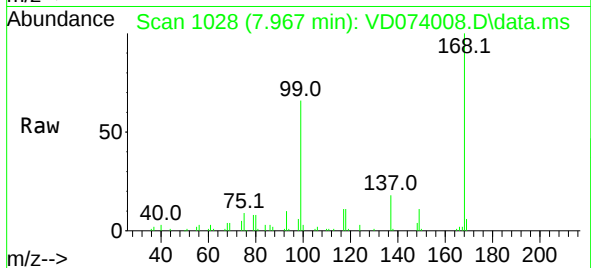
Tgt Ion: 43	Resp: 389
Ion Ratio	Lower Upper
43 100	
72 0.0	23.0 34.6#



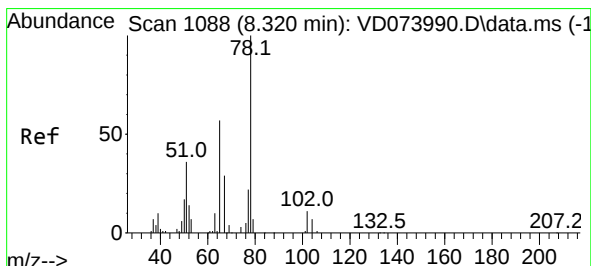
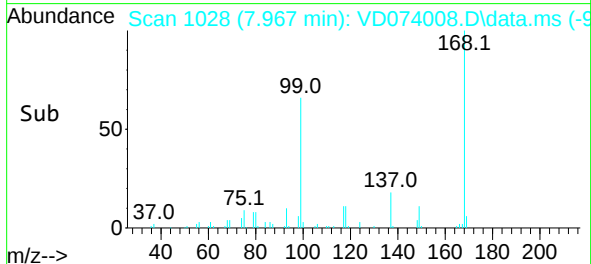
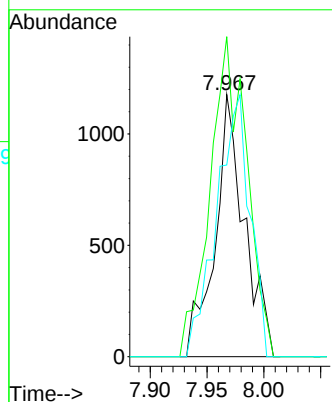


#31
Cyclohexane
Concen: Below Cal
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD074008.D
Acq: 10 Aug 2022 01:25

Instrument :
MSVOA_D
ClientSampleId :

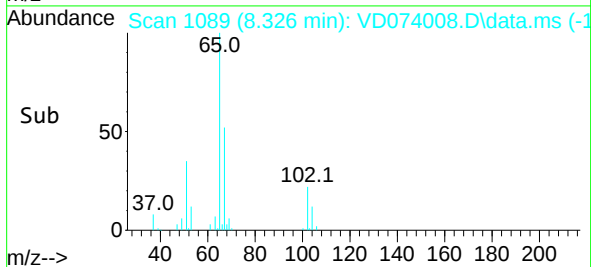
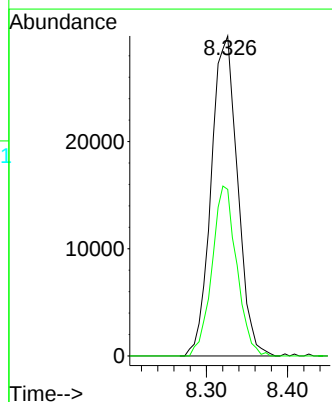
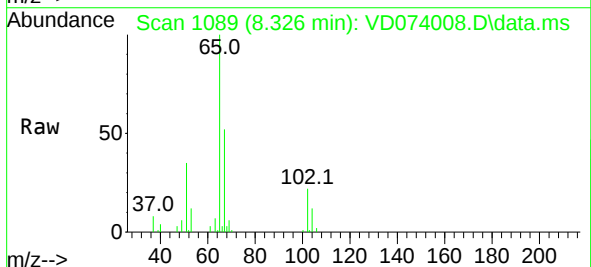


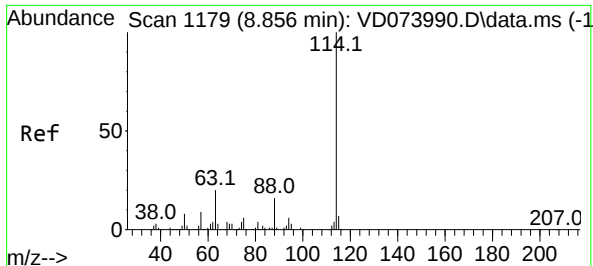
Tgt Ion: 56 Resp: 2117
Ion Ratio Lower Upper
56 100
69 122.1 27.9 41.9#
84 73.2 75.8 113.6#



#33
1,2-Dichloroethane-d4
Concen: 97.125 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VD074008.D
Acq: 10 Aug 2022 01:25

Tgt Ion: 65 Resp: 67291
Ion Ratio Lower Upper
65 100
67 49.9 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

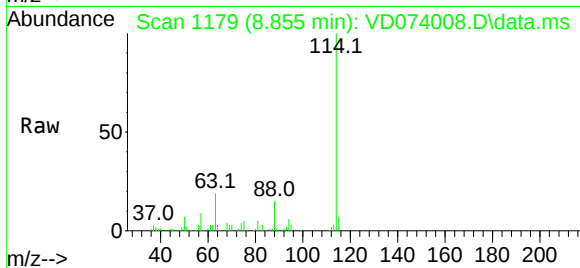
Lab File: VD074008.D

Acq: 10 Aug 2022 01:25

Instrument :

MSVOA_D

ClientSampleId :



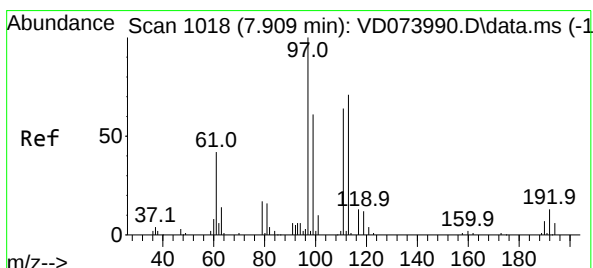
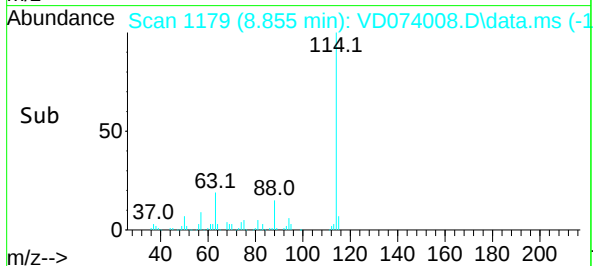
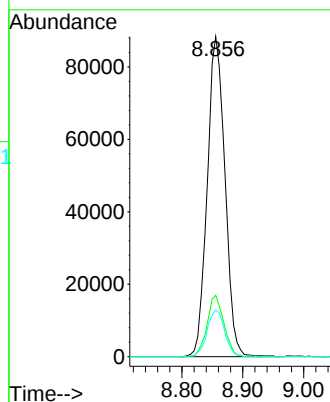
Tgt Ion:114 Resp: 178697

Ion Ratio Lower Upper

114 100

63 19.2 0.0 41.0

88 14.6 0.0 31.6



#35

Dibromofluoromethane

Concen: 64.982 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD074008.D

Acq: 10 Aug 2022 01:25

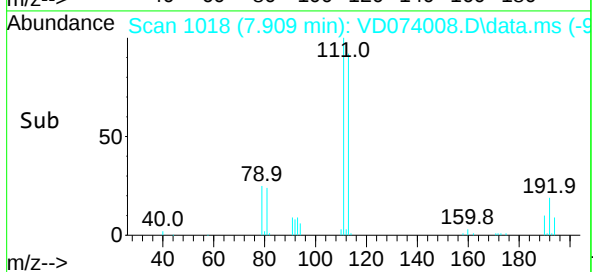
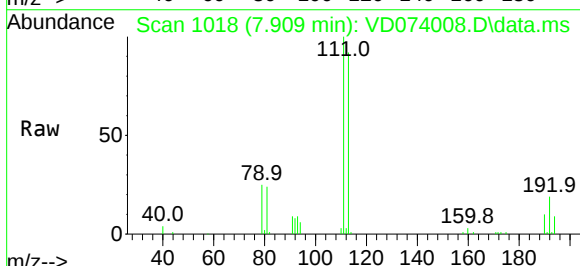
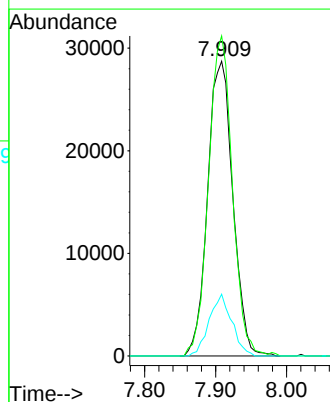
Tgt Ion:113 Resp: 70935

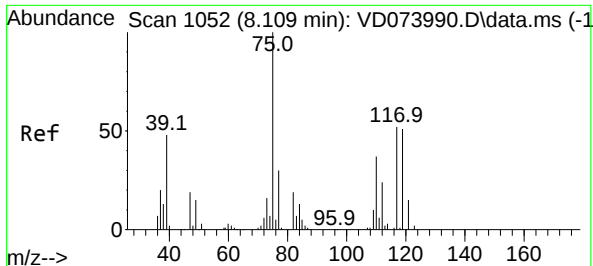
Ion Ratio Lower Upper

113 100

111 102.9 80.0 120.0

192 18.8 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.495 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

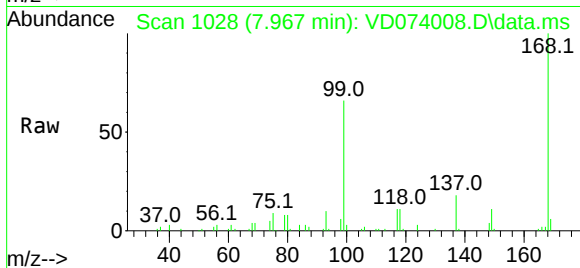
Lab File: VD074008.D

Acq: 10 Aug 2022 01:25

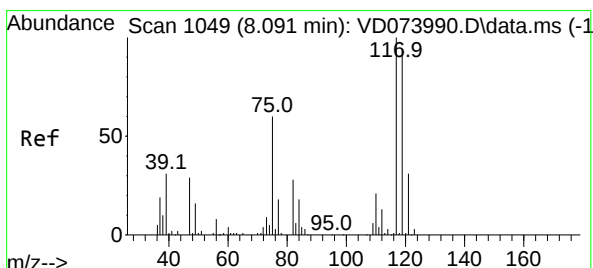
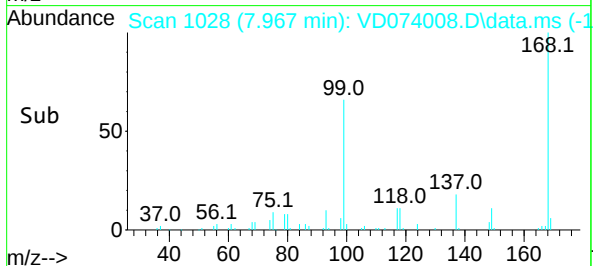
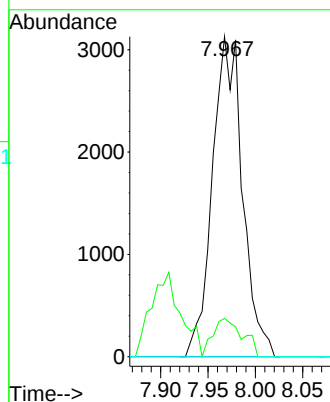
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 6907
Ion Ratio	Lower Upper
75 100	
110 11.7	18.4 55.4#
77 0.0	24.6 36.8#



#38

Carbon Tetrachloride

Concen: 4.712 ug/l

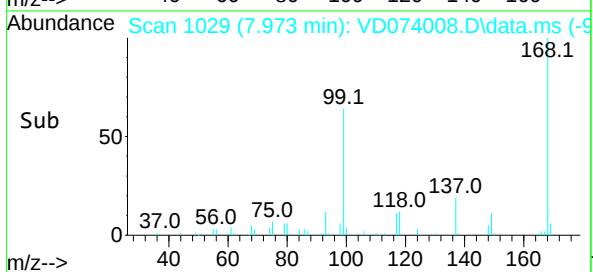
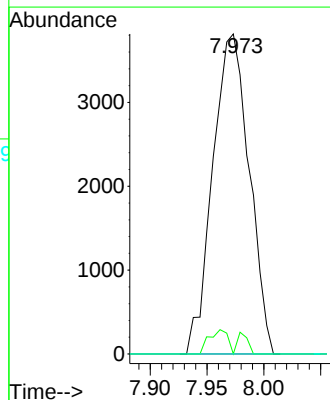
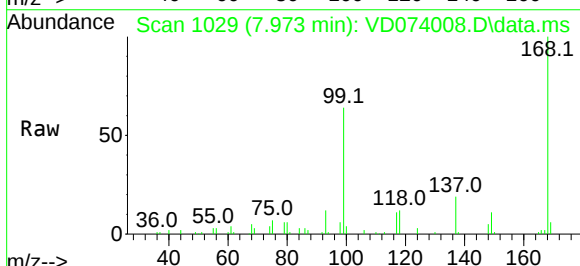
RT: 7.973 min Scan# 1029

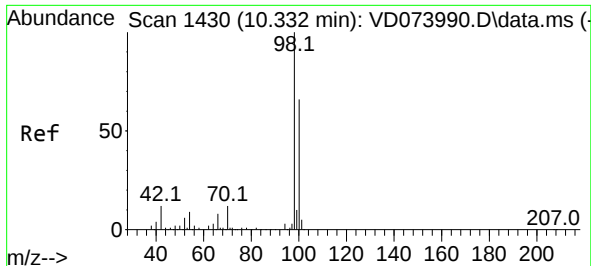
Delta R.T. -0.118 min

Lab File: VD074008.D

Acq: 10 Aug 2022 01:25

Tgt Ion: 117	Resp: 8523
Ion Ratio	Lower Upper
117 100	
119 0.0	75.4 113.2#
121 0.0	25.2 37.8#

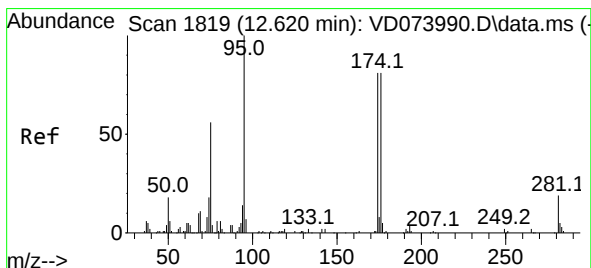
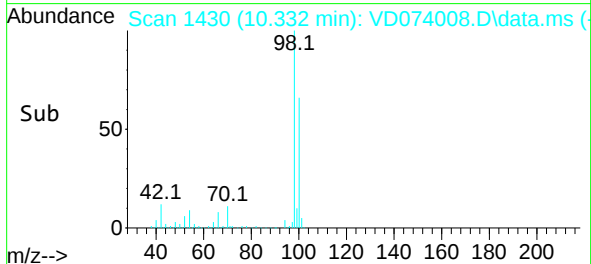
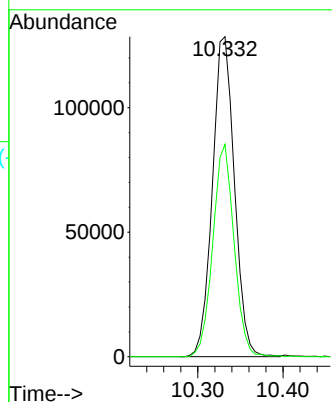
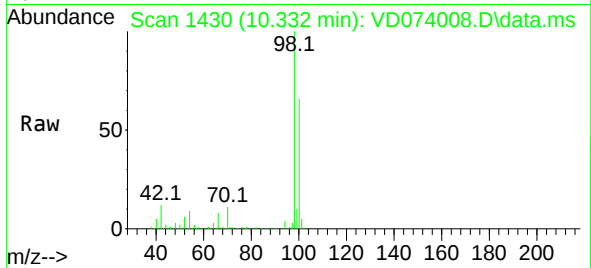




#50
Toluene-d8
Concen: 71.622 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD074008.D
Acq: 10 Aug 2022 01:25

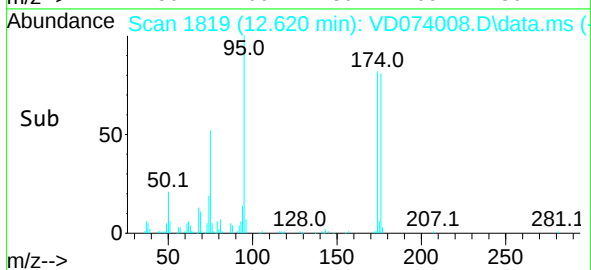
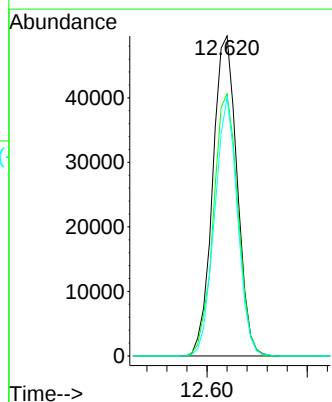
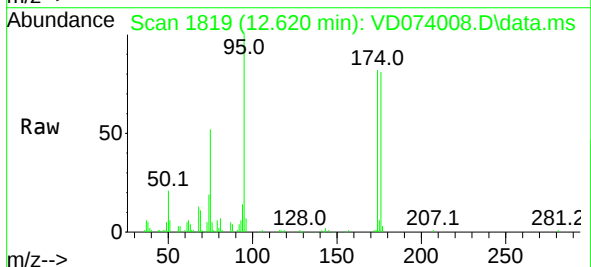
Instrument :
MSVOA_D
ClientSampleId :

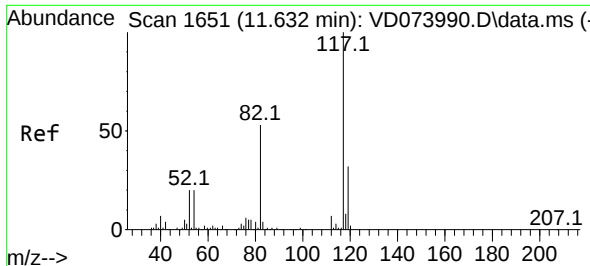
Tgt Ion: 98 Resp: 230956
Ion Ratio Lower Upper
98 100
100 64.1 51.3 76.9



#62
4-Bromofluorobenzene
Concen: 60.342 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD074008.D
Acq: 10 Aug 2022 01:25

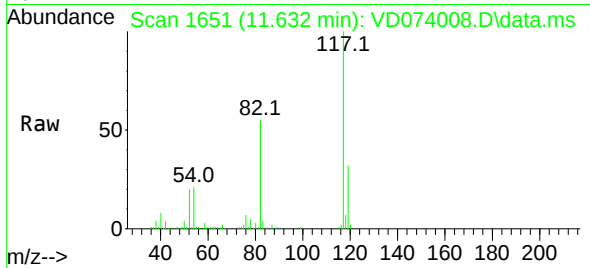
Tgt Ion: 95 Resp: 83627
Ion Ratio Lower Upper
95 100
174 82.3 0.0 162.6
176 75.8 0.0 160.0



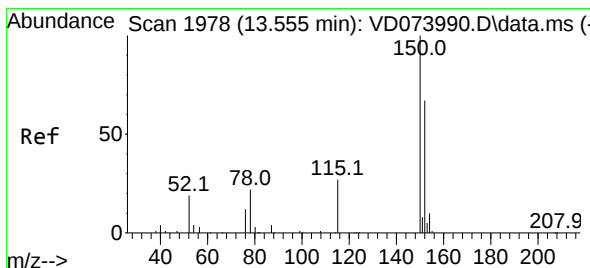
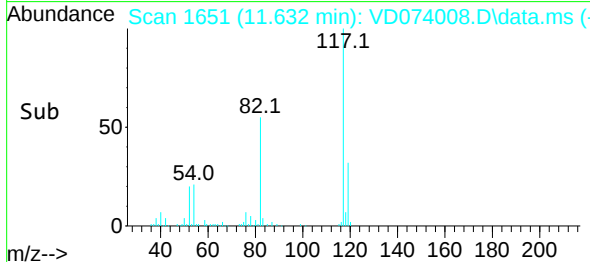
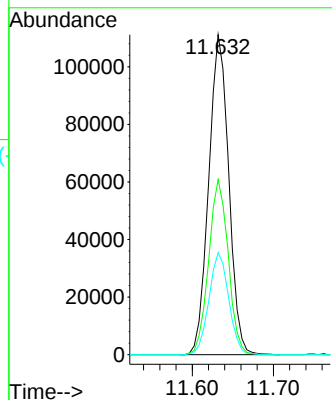


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD074008.D
Acq: 10 Aug 2022 01:25

Instrument :
MSVOA_D
ClientSampleId :

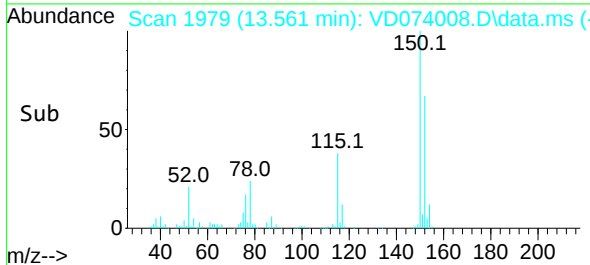
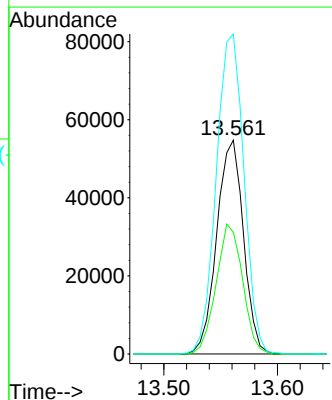
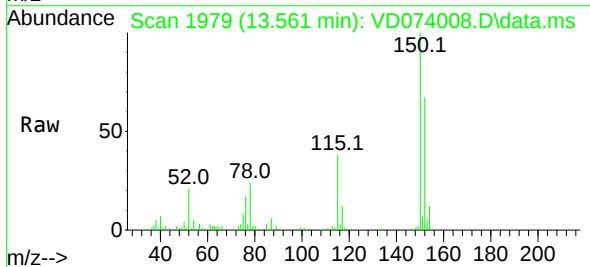


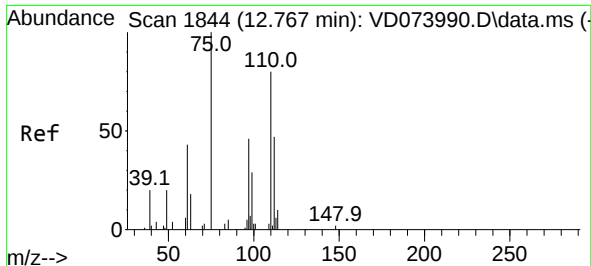
Tgt Ion:117 Resp: 190307
Ion Ratio Lower Upper
117 100
82 54.8 42.7 64.1
119 31.9 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.006 min
Lab File: VD074008.D
Acq: 10 Aug 2022 01:25

Tgt Ion:152 Resp: 89483
Ion Ratio Lower Upper
152 100
115 60.2 29.9 89.8
150 155.4 0.0 342.8

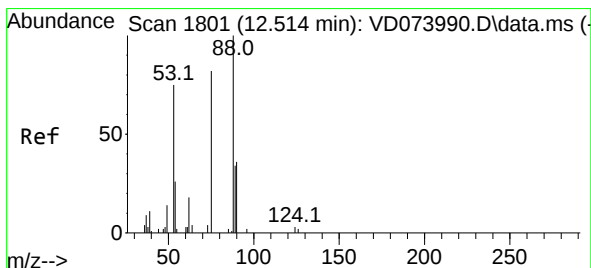
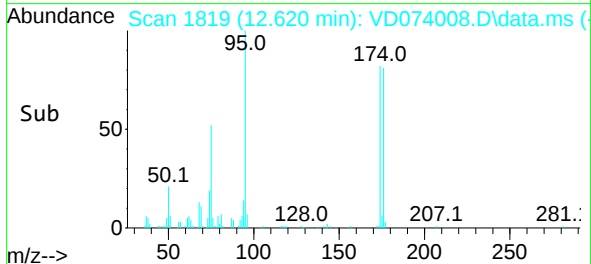
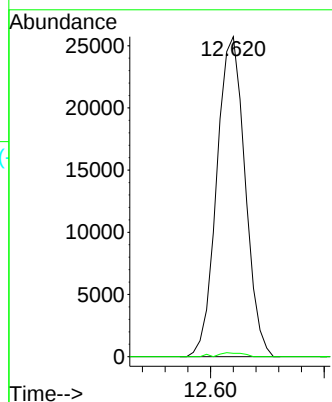
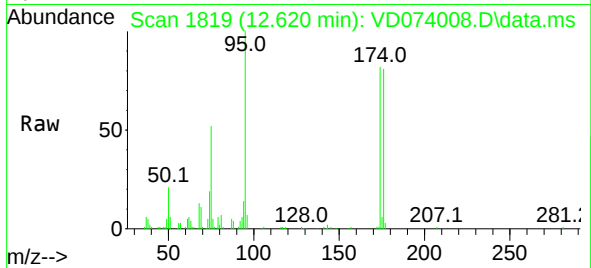




#76
1,2,3-Trichloropropane
Concen: 65.638 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD074008.D
Acq: 10 Aug 2022 01:25

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 44518
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 141.073 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD074008.D
Acq: 10 Aug 2022 01:25

Tgt Ion: 75 Resp: 44518
Ion Ratio Lower Upper
75 100
53 0.0 71.3 106.9#
89 0.0 38.3 57.5#

