

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042222\
 Data File : VD072692.D
 Acq On : 22 Apr 2022 14:17
 Operator : VA/SY
 Sample : N2525-03
 Misc : 5.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-02-042122

Quant Time: Apr 22 23:45:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

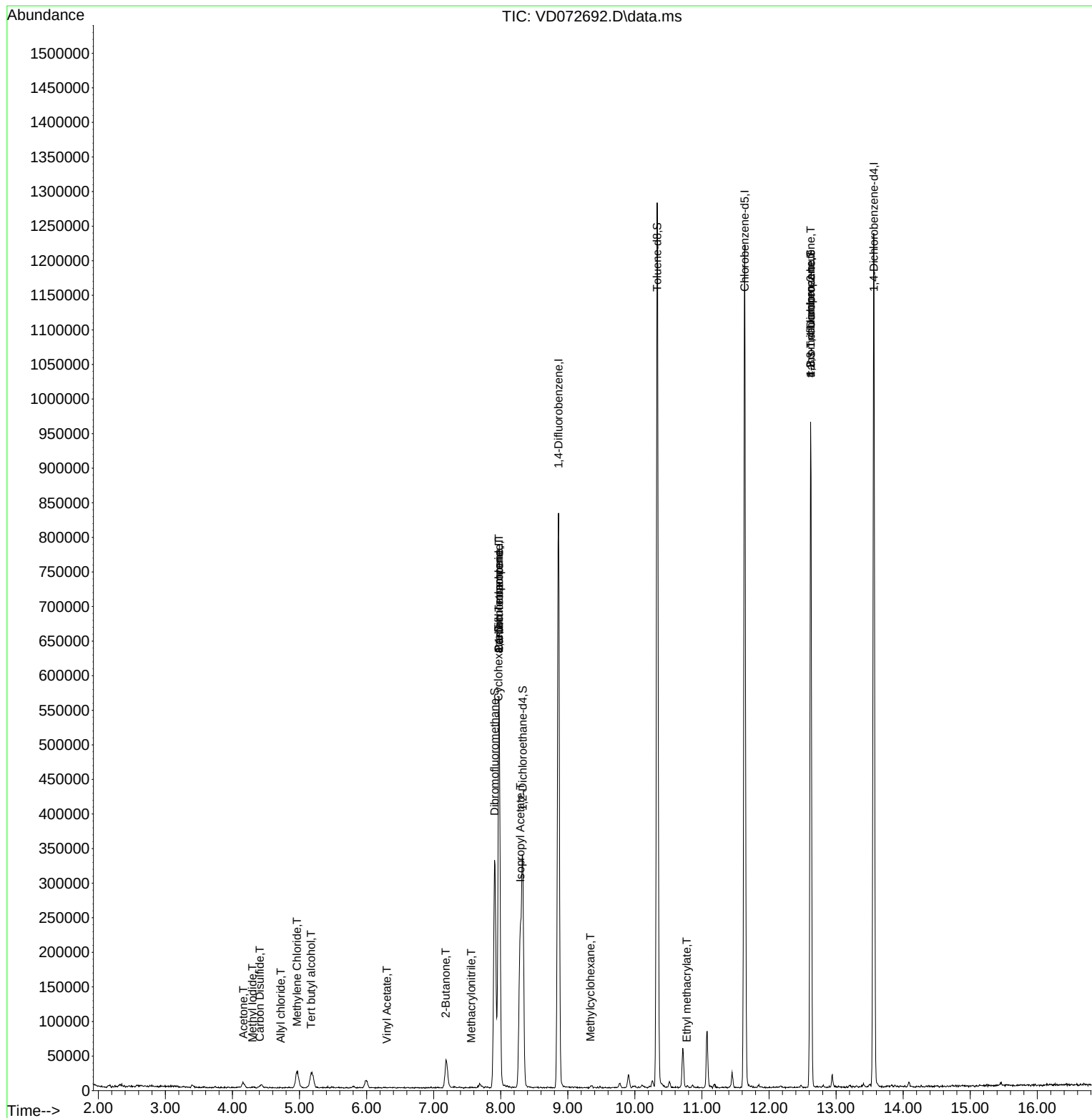
Internal Standards						
1) Pentafluorobenzene	7.973	168	403242	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	731706	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	709932	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	328259	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	253823	52.034	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.060%	
35) Dibromofluoromethane	7.909	113	238271	41.902	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 83.800%	
50) Toluene-d8	10.332	98	876490	44.343	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 88.680%	
62) 4-Bromofluorobenzene	12.620	95	311629	40.369	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 80.740%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	1511	4.055	ug/l #	79
11) Tert butyl alcohol	5.173	59	21918	85.085	ug/l #	74
14) Allyl chloride	4.720	41	72	1.138	ug/l #	22
16) Acetone	4.162	43	13107	14.410	ug/l	96
17) Carbon Disulfide	4.409	76	2662	3.941	ug/l #	74
20) Methylene Chloride	4.962	84	19441	3.590	ug/l #	79
23) Vinyl Acetate	6.303	43	143	6.307	ug/l #	75
25) 2-Butanone	7.179	43	2291	1.821	ug/l #	80
31) Cyclohexane	7.967	56	9772	1.532	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	32466	5.491	ug/l #	53
38) Carbon Tetrachloride	7.973	117	43371	5.536	ug/l #	16
39) Methylcyclohexane	9.338	83	1226	3.013	ug/l #	41
41) Methacrylonitrile	7.561	41	106	1.716	ug/l #	27
43) Isopropyl Acetate	8.291	43	5792	1.002	ug/l #	5
56) Ethyl methacrylate	10.773	69	81	1.205	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	158950	44.397	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	158950	108.942	ug/l #	7

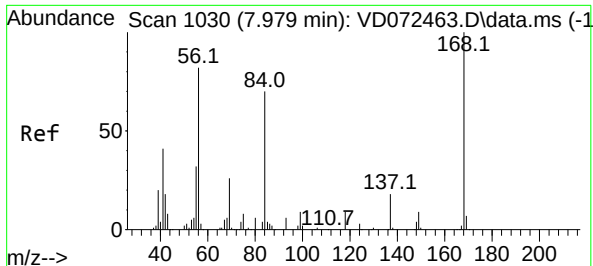
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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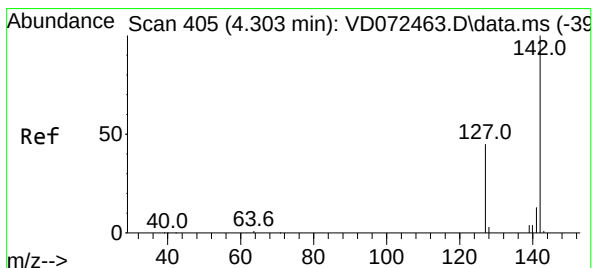
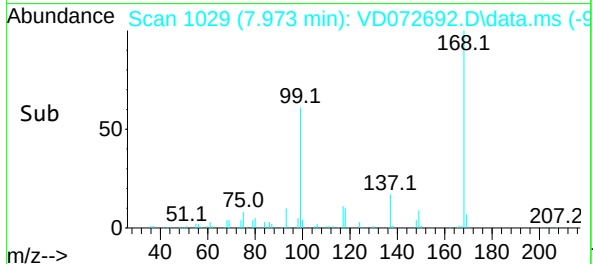
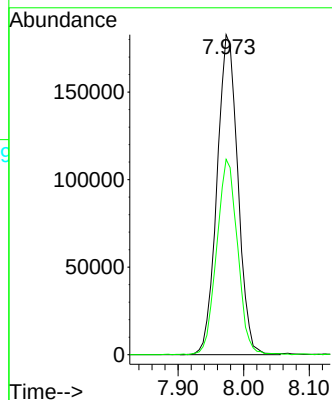
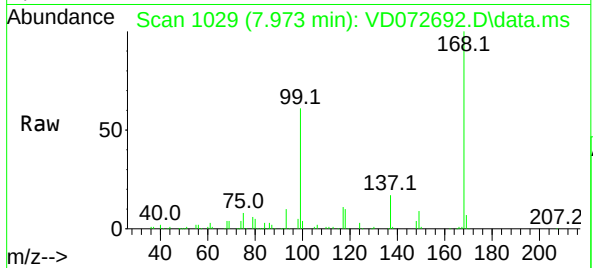




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072692.D
Acq: 22 Apr 2022 14:17

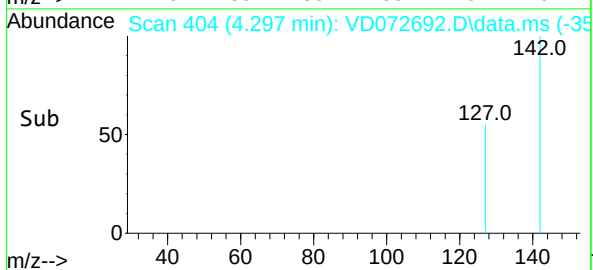
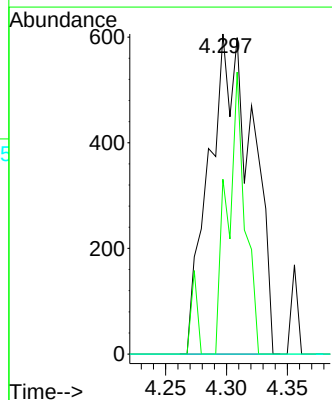
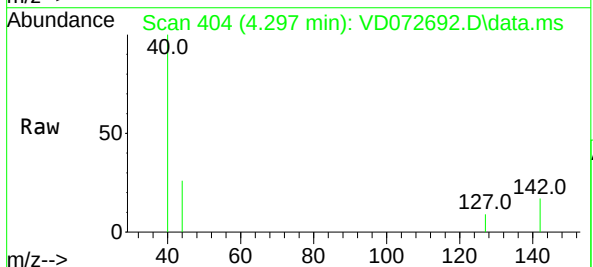
Instrument :
MSVOA_D
ClientSampleId :
HR-02-042122

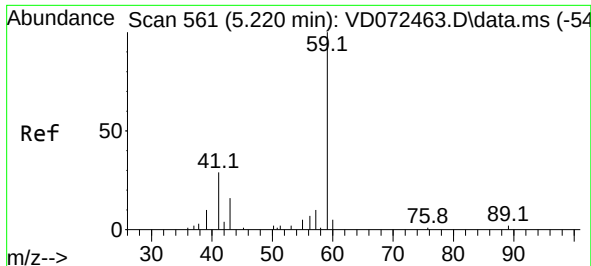
Tgt Ion:168 Resp: 403242
Ion Ratio Lower Upper
168 100
99 61.0 49.8 74.6



#10
Methyl Iodide
Concen: 4.055 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD072692.D
Acq: 22 Apr 2022 14:17

Tgt Ion:142 Resp: 1511
Ion Ratio Lower Upper
142 100
127 35.4 37.3 55.9#
141 0.0 11.7 17.5#





#11

Tert butyl alcohol

Concen: 85.085 ug/l

RT: 5.173 min Scan# 51

Delta R.T. -0.047 min

Lab File: VD072692.D

Acq: 22 Apr 2022 14:17

Instrument :

MSVOA_D

ClientSampleId :

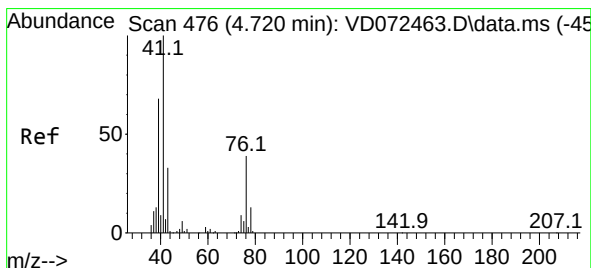
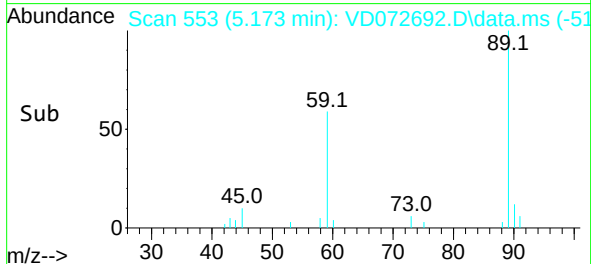
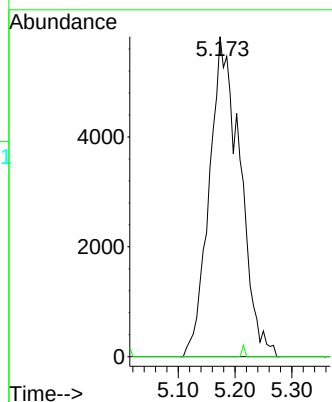
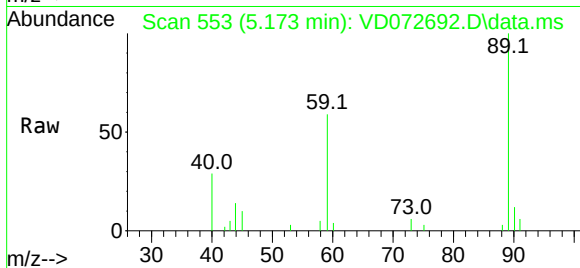
HR-02-042122

Tgt Ion: 59 Resp: 21918

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#14

Allyl chloride

Concen: 1.138 ug/l

RT: 4.720 min Scan# 476

Delta R.T. 0.000 min

Lab File: VD072692.D

Acq: 22 Apr 2022 14:17

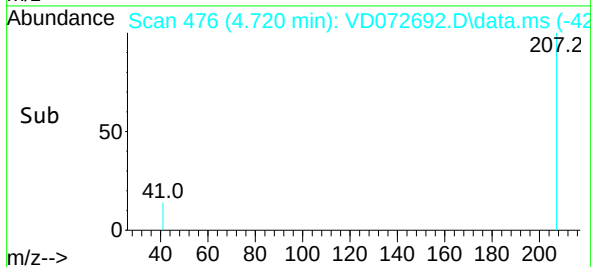
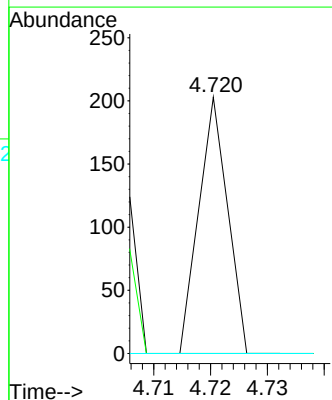
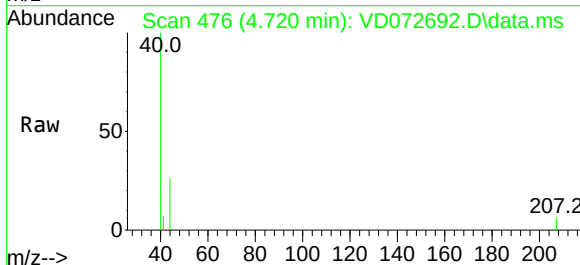
Tgt Ion: 41 Resp: 72

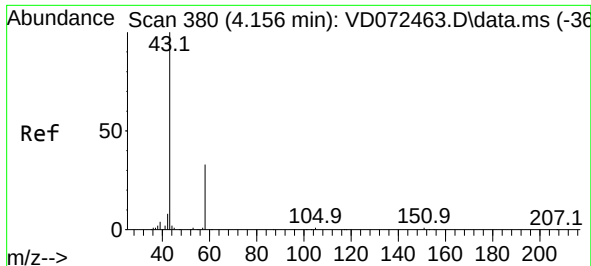
Ion Ratio Lower Upper

41 100

39 0.0 59.3 88.9#

76 0.0 25.7 38.5#

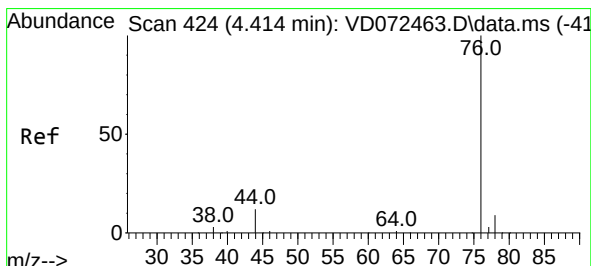
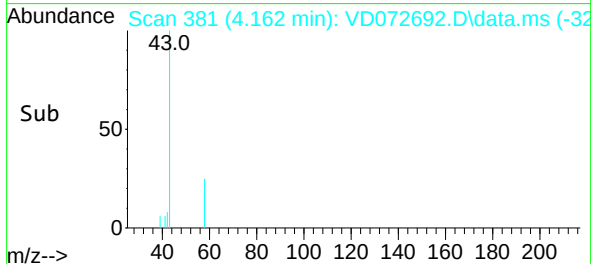
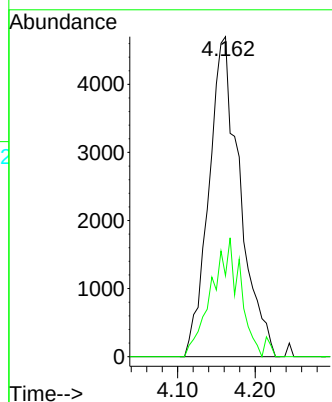
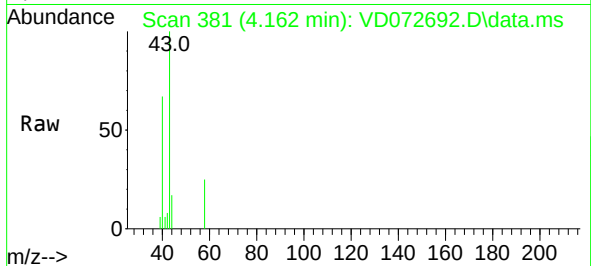




#16
Acetone
Concen: 14.410 ug/l
RT: 4.162 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD072692.D
Acq: 22 Apr 2022 14:17

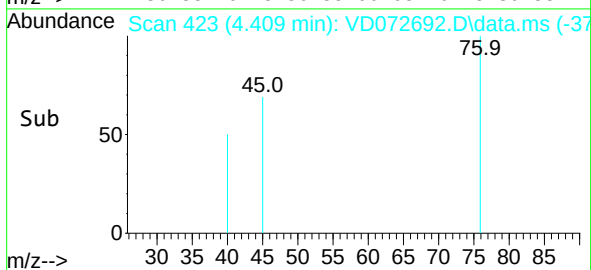
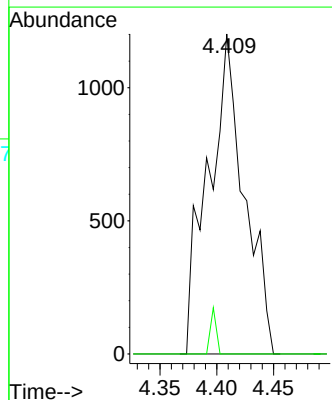
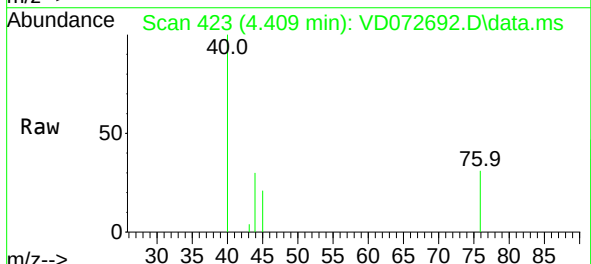
Instrument :
MSVOA_D
ClientSampleId :
HR-02-042122

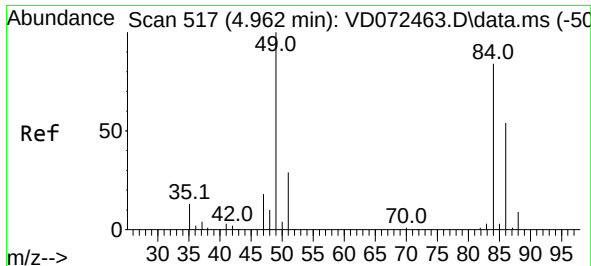
Tgt Ion: 43 Resp: 13107
Ion Ratio Lower Upper
43 100
58 25.3 22.1 33.1



#17
Carbon Disulfide
Concen: 3.941 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.005 min
Lab File: VD072692.D
Acq: 22 Apr 2022 14:17

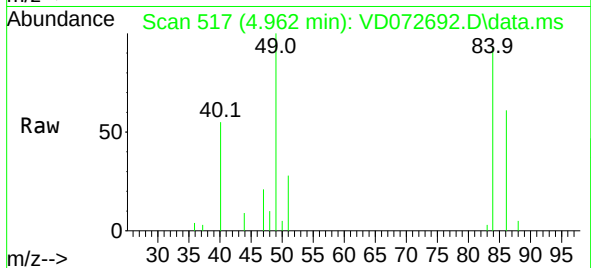
Tgt Ion: 76 Resp: 2662
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#





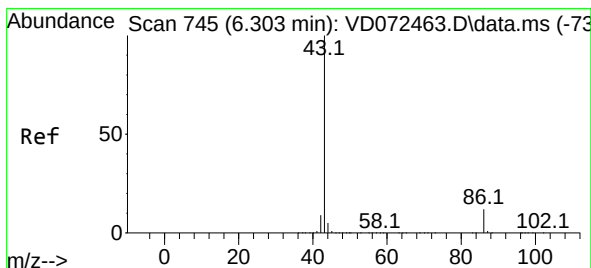
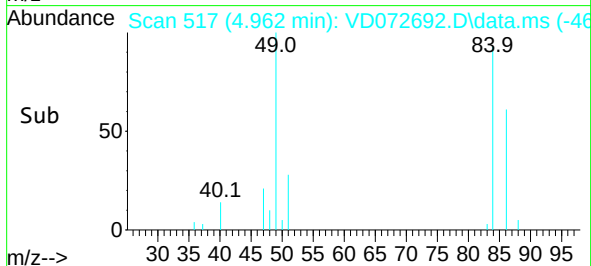
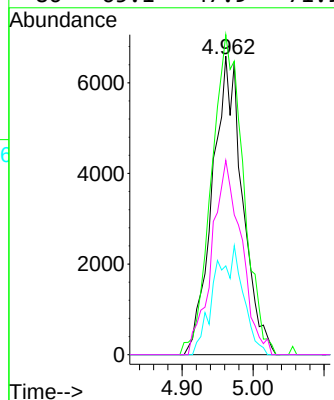
#20
Methylene Chloride
Concen: 3.590 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD072692.D
Acq: 22 Apr 2022 14:17

Instrument :
MSVOA_D
ClientSampleId :
HR-02-042122



Tgt Ion: 84 Resp: 19441

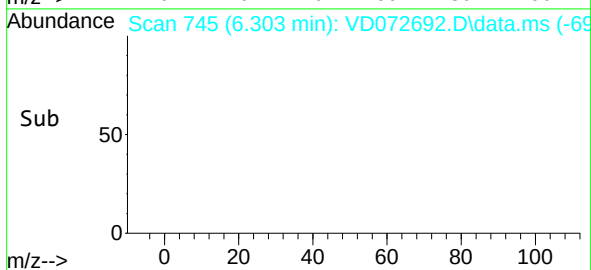
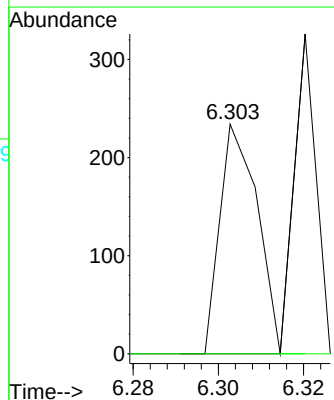
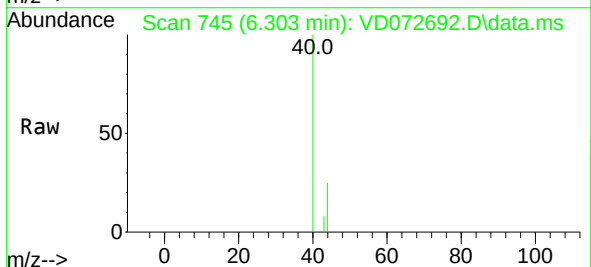
Ion	Ratio	Lower	Upper
84	100		
49	107.2	112.8	169.2#
51	29.7	32.6	48.8#
86	65.1	47.9	71.9

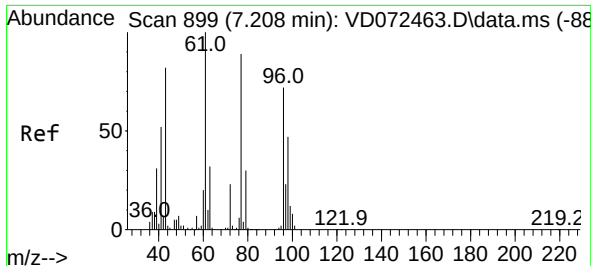


#23
Vinyl Acetate
Concen: 6.307 ug/l
RT: 6.303 min Scan# 745
Delta R.T. -0.000 min
Lab File: VD072692.D
Acq: 22 Apr 2022 14:17

Tgt Ion: 43 Resp: 143

Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.1	10.7#

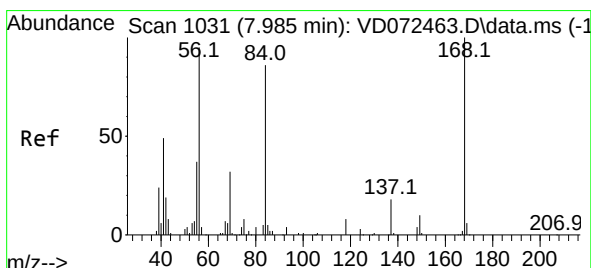
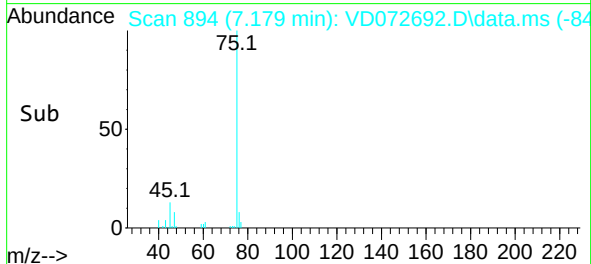
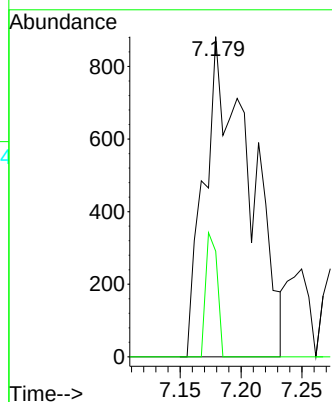
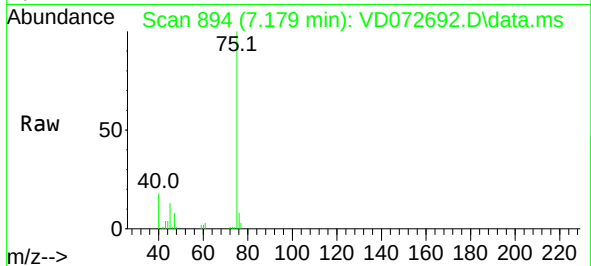




#25
2-Butanone
Concen: 1.821 ug/l
RT: 7.179 min Scan# 899
Delta R.T. -0.029 min
Lab File: VD072692.D
Acq: 22 Apr 2022 14:17

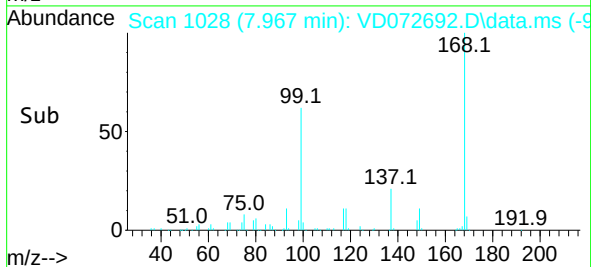
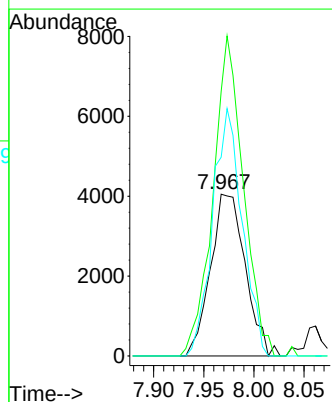
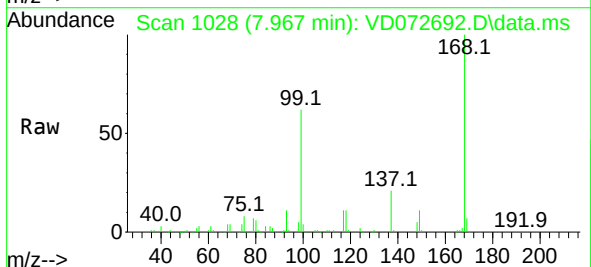
Instrument :
MSVOA_D
ClientSampleId :
HR-02-042122

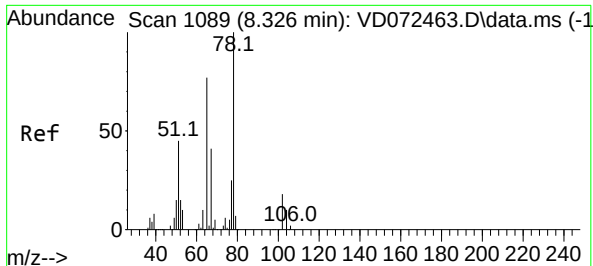
Tgt Ion: 43 Resp: 2291
Ion Ratio Lower Upper
43 100
72 33.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.532 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD072692.D
Acq: 22 Apr 2022 14:17

Tgt Ion: 56 Resp: 9772
Ion Ratio Lower Upper
56 100
69 163.4 25.4 38.2#
84 122.8 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 52.034 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072692.D

Acq: 22 Apr 2022 14:17

Instrument :

MSVOA_D

ClientSampleId :

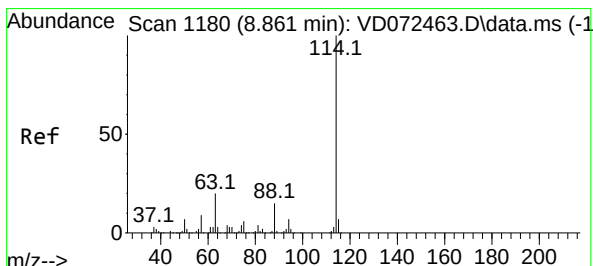
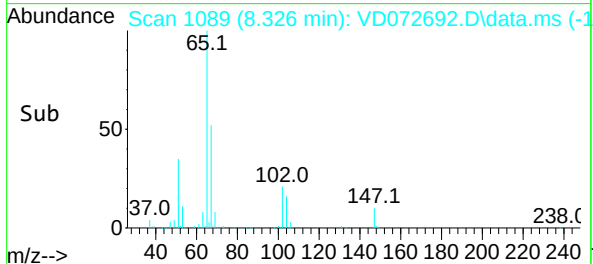
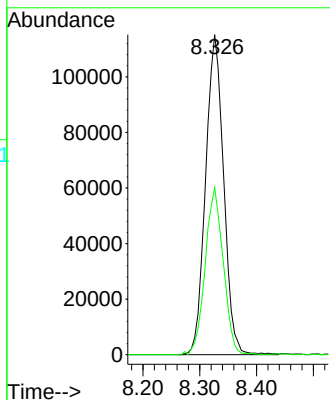
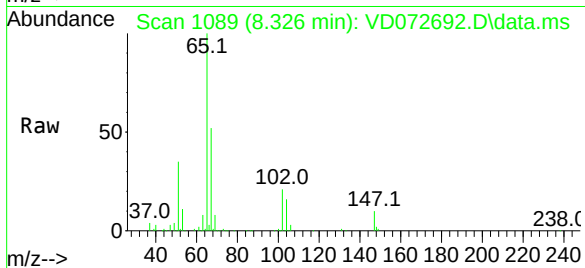
HR-02-042122

Tgt Ion: 65 Resp: 253823

Ion Ratio Lower Upper

65 100

67 52.2 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: VD072692.D

Acq: 22 Apr 2022 14:17

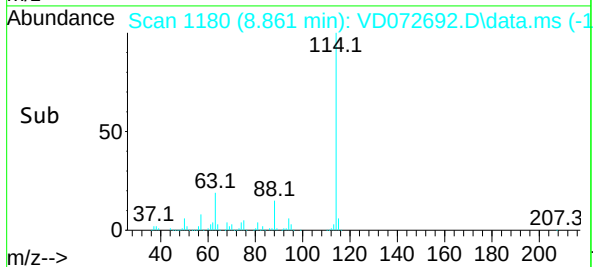
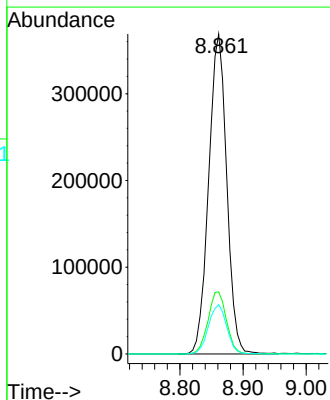
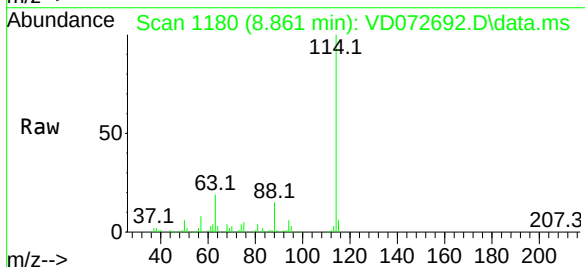
Tgt Ion: 114 Resp: 731706

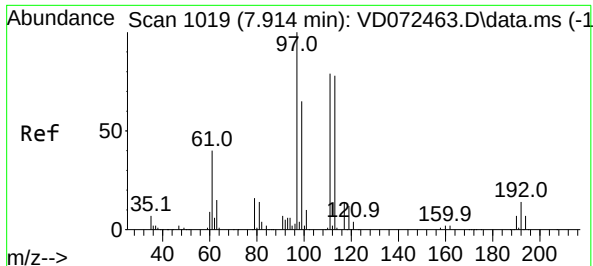
Ion Ratio Lower Upper

114 100

63 19.4 0.0 46.6

88 15.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 41.902 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072692.D

Acq: 22 Apr 2022 14:17

Instrument :

MSVOA_D

ClientSampleId :

HR-02-042122

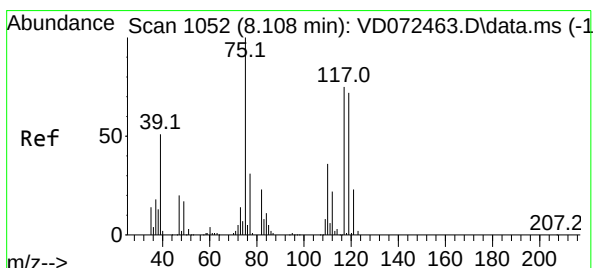
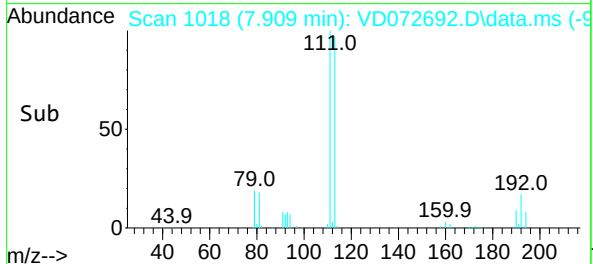
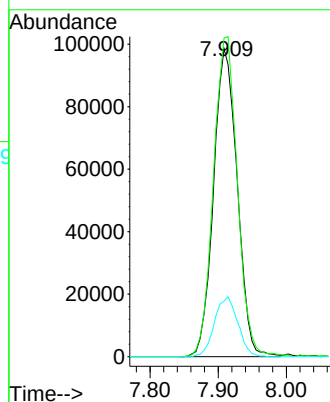
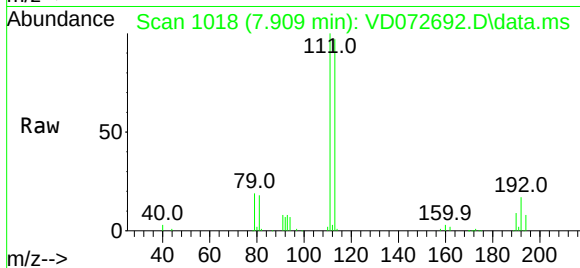
Tgt Ion:113 Resp: 238271

Ion Ratio Lower Upper

113 100

111 105.1 83.8 125.6

192 19.2 14.6 21.8



#36

1,1-Dichloropropene

Concen: 5.491 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD072692.D

Acq: 22 Apr 2022 14:17

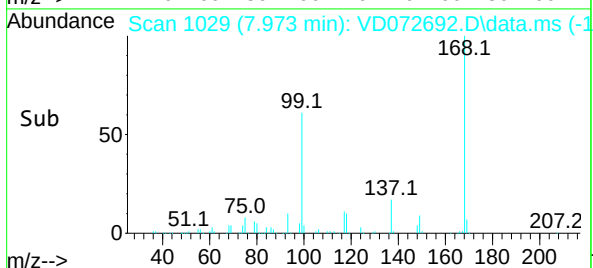
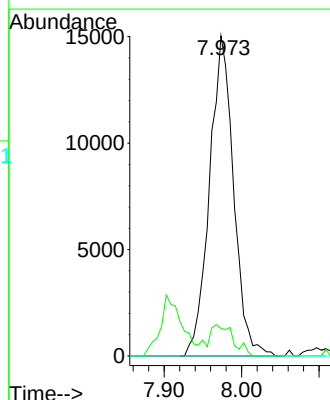
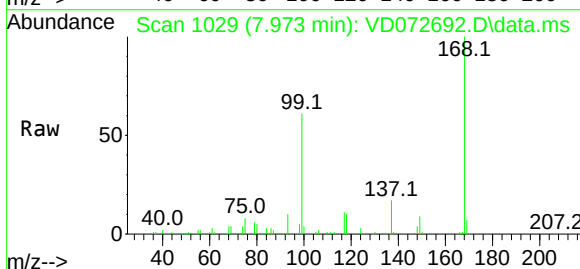
Tgt Ion: 75 Resp: 32466

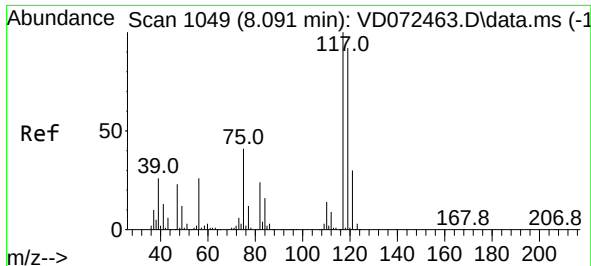
Ion Ratio Lower Upper

75 100

110 10.3 16.4 49.1#

77 0.0 24.2 36.2#

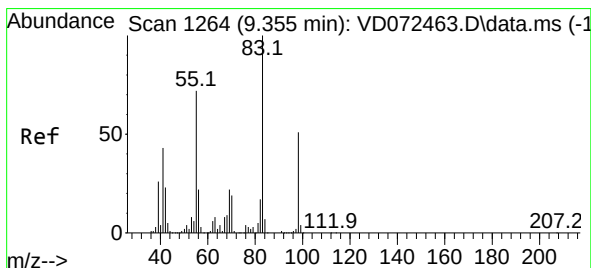
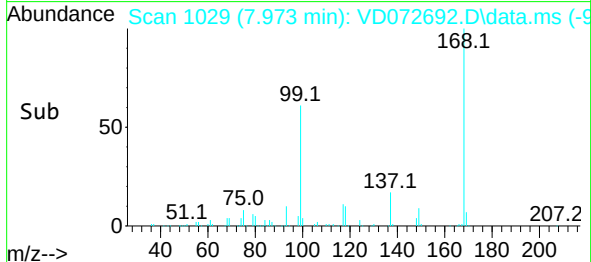
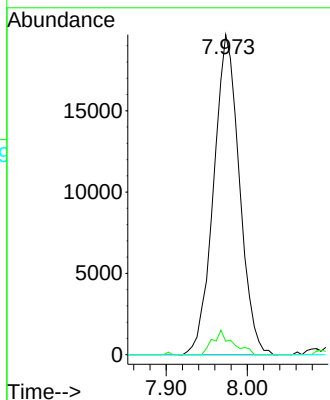
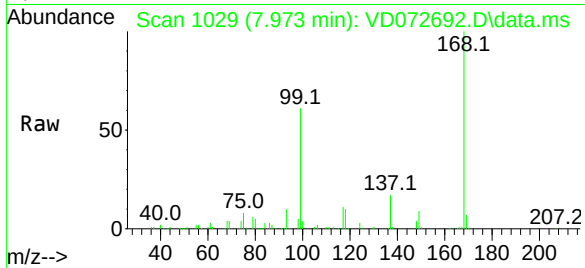




#38
Carbon Tetrachloride
Concen: 5.536 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD072692.D
Acq: 22 Apr 2022 14:17

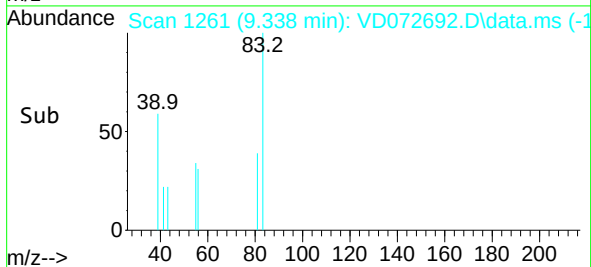
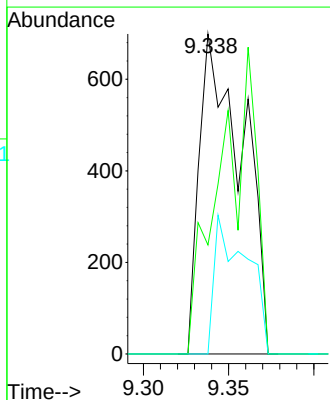
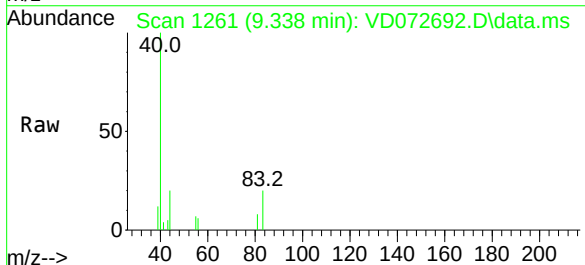
Instrument :
MSVOA_D
ClientSampleId :
HR-02-042122

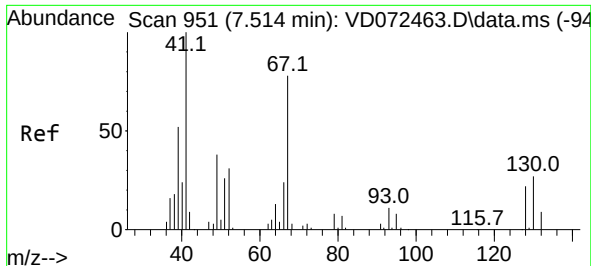
Tgt Ion:117 Resp: 43371
Ion Ratio Lower Upper
117 100
119 4.2 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 3.013 ug/l
RT: 9.338 min Scan# 1261
Delta R.T. -0.017 min
Lab File: VD072692.D
Acq: 22 Apr 2022 14:17

Tgt Ion: 83 Resp: 1226
Ion Ratio Lower Upper
83 100
55 34.0 63.2 94.8#
98 0.0 38.2 57.4#

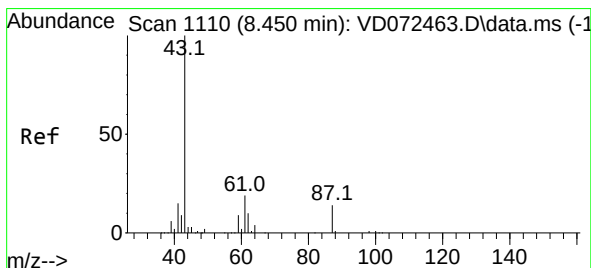
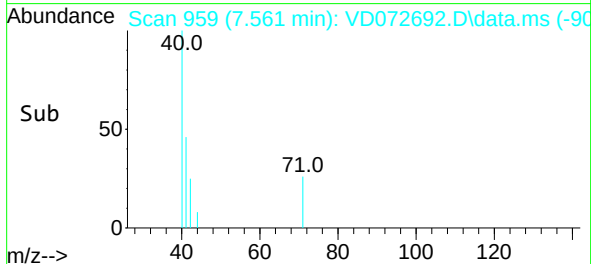
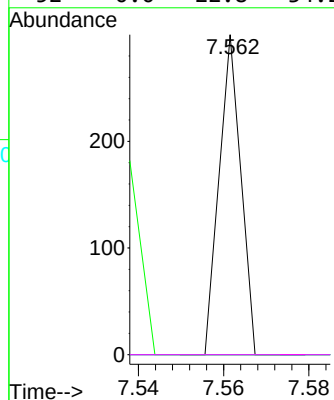
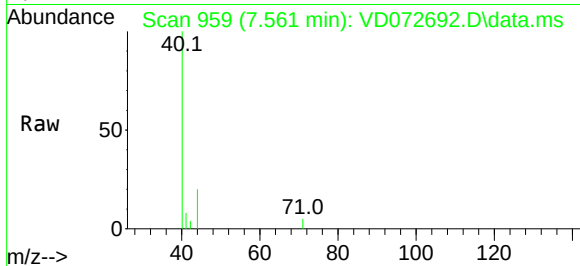




#41
Methacrylonitrile
Concen: 1.716 ug/l
RT: 7.561 min Scan# 91
Delta R.T. 0.047 min
Lab File: VD072692.D
Acq: 22 Apr 2022 14:17

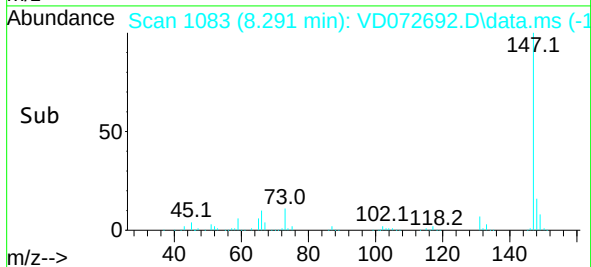
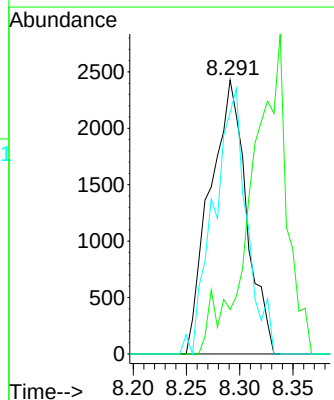
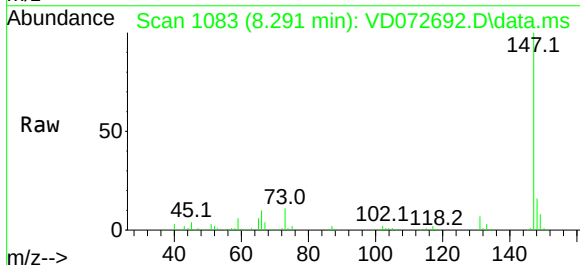
Instrument :
MSVOA_D
ClientSampleId :
HR-02-042122

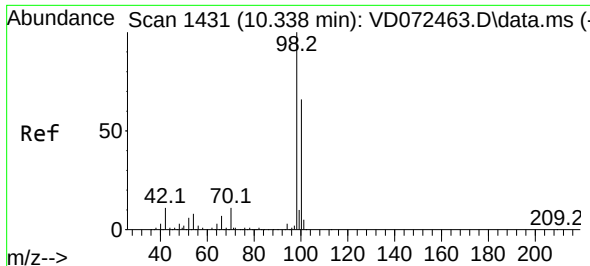
Tgt Ion: 41	Resp: 106
Ion Ratio	Lower Upper
41 100	
39 0.0	44.6 67.0#
67 0.0	48.2 72.4#
52 0.0	22.8 34.2#



#43
Isopropyl Acetate
Concen: 1.002 ug/l
RT: 8.291 min Scan# 1083
Delta R.T. -0.159 min
Lab File: VD072692.D
Acq: 22 Apr 2022 14:17

Tgt Ion: 43	Resp:	5792	
Ion	Ratio	Lower	Upper
43	100		
61	0.0	22.4	33.6#
87	87.7	8.7	13.1#

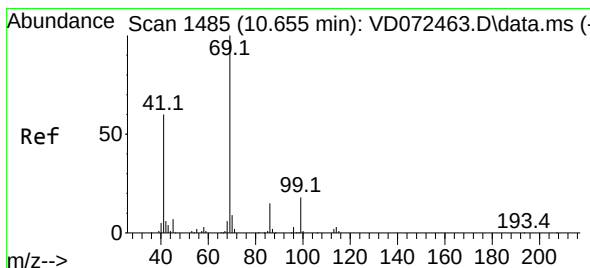
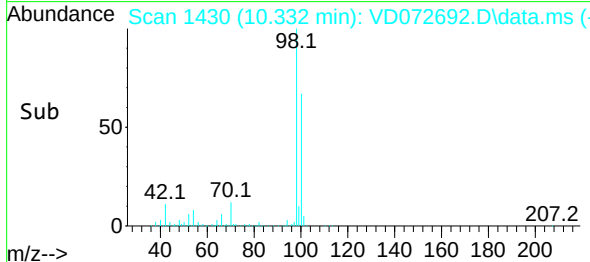
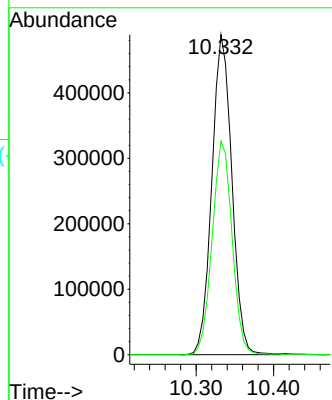
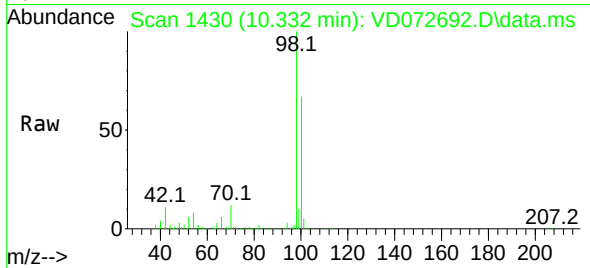




#50
Toluene-d8
Concen: 44.343 ug/l
RT: 10.332 min Scan# 14
Delta R.T. -0.006 min
Lab File: VD072692.D
Acq: 22 Apr 2022 14:17

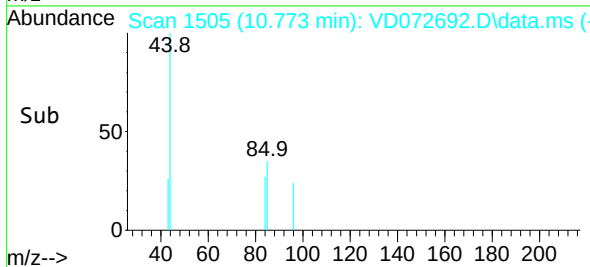
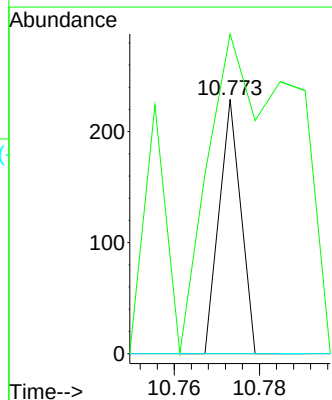
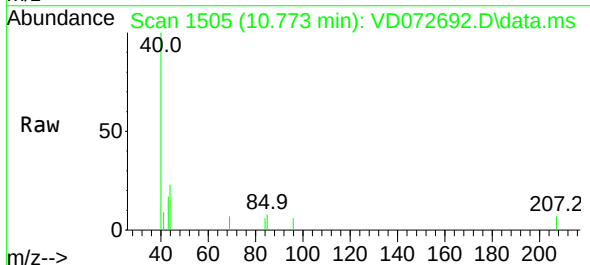
Instrument :
MSVOA_D
ClientSampleId :
HR-02-042122

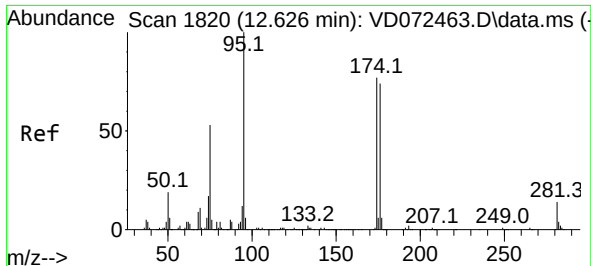
Tgt Ion: 98 Resp: 876490
Ion Ratio Lower Upper
98 100
100 66.5 52.4 78.6



#56
Ethyl methacrylate
Concen: 1.205 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. 0.118 min
Lab File: VD072692.D
Acq: 22 Apr 2022 14:17

Tgt Ion: 69 Resp: 81
Ion Ratio Lower Upper
69 100
41 595.1 63.0 94.6#
39 0.0 33.8 50.8#

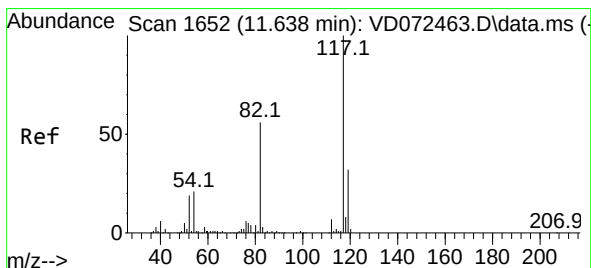
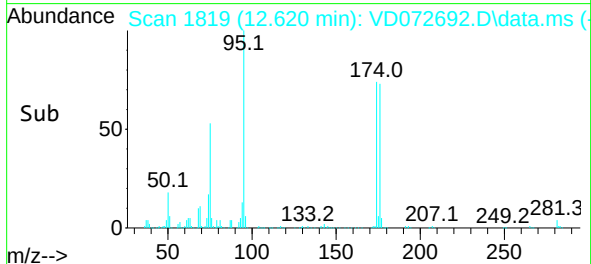
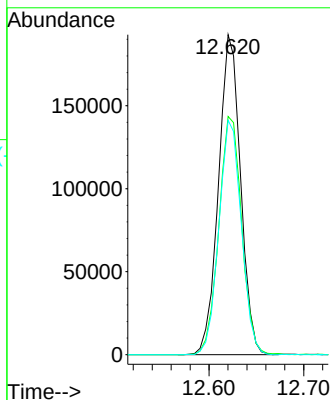
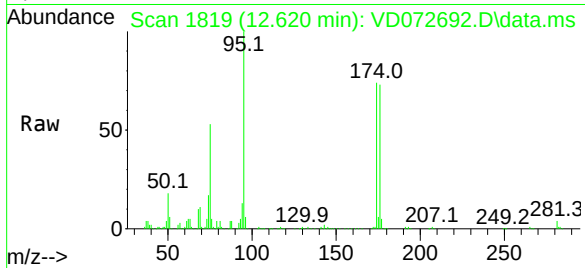




#62
4-Bromofluorobenzene
Concen: 40.369 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072692.D
Acq: 22 Apr 2022 14:17

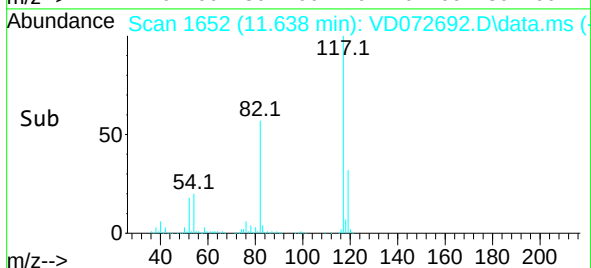
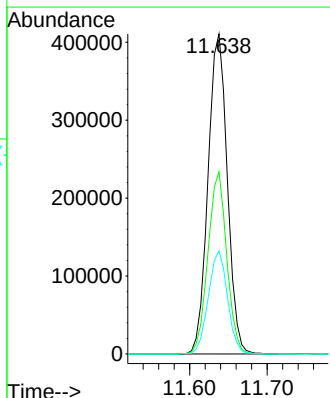
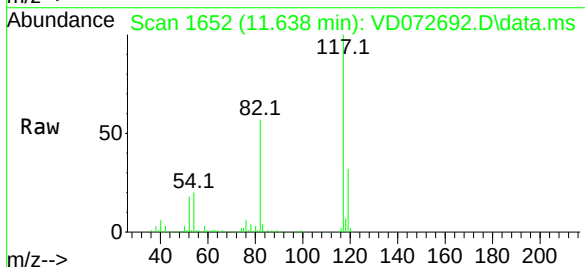
Instrument :
MSVOA_D
ClientSampleId :
HR-02-042122

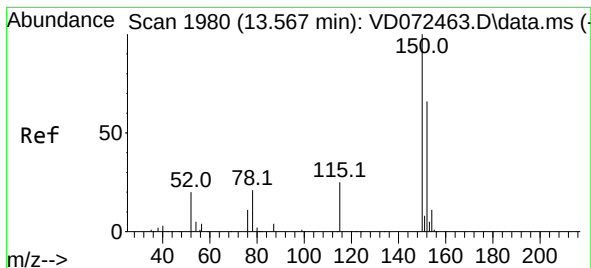
Tgt Ion: 95 Resp: 311629
Ion Ratio Lower Upper
95 100
174 77.3 0.0 152.8
176 74.5 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072692.D
Acq: 22 Apr 2022 14:17

Tgt Ion: 117 Resp: 709932
Ion Ratio Lower Upper
117 100
82 56.9 45.3 67.9
119 32.2 26.6 40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1819

Delta R.T. -0.006 min

Lab File: VD072692.D

Acq: 22 Apr 2022 14:17

Instrument :

MSVOA_D

ClientSampleId :

HR-02-042122

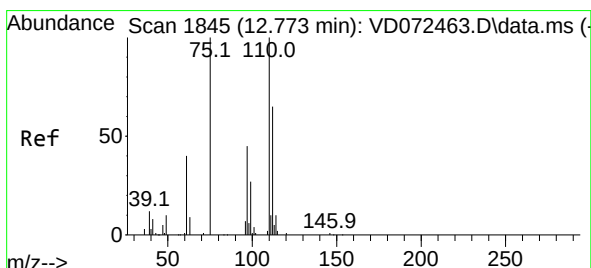
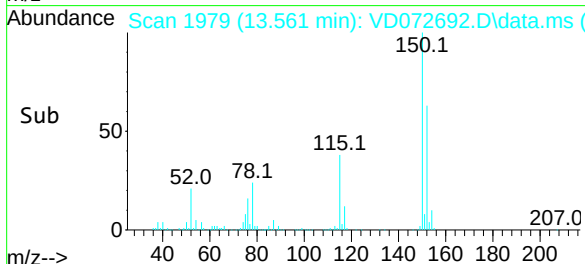
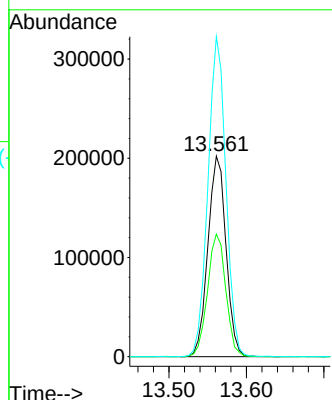
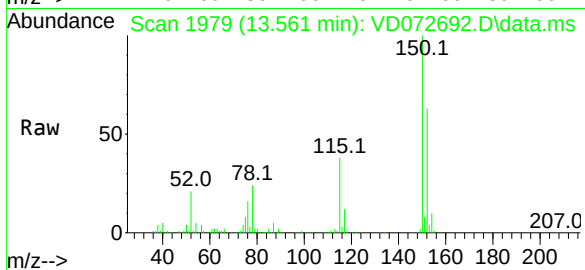
Tgt Ion:152 Resp: 328259

Ion Ratio Lower Upper

152 100

115 61.5 31.3 93.8

150 158.1 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 44.397 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.153 min

Lab File: VD072692.D

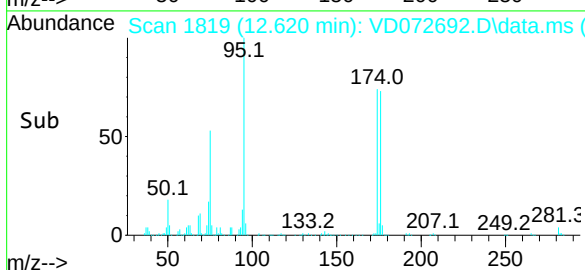
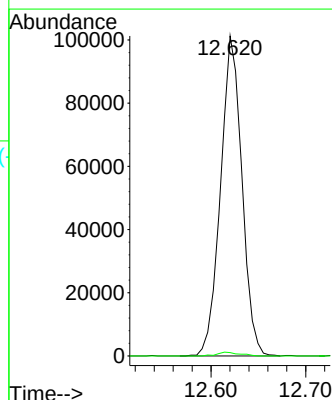
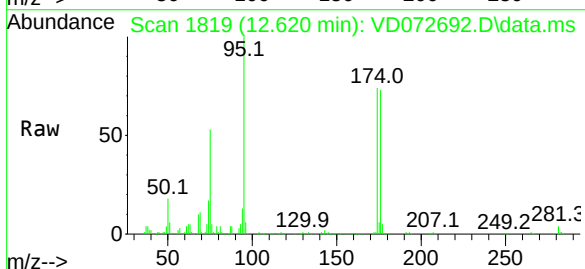
Acq: 22 Apr 2022 14:17

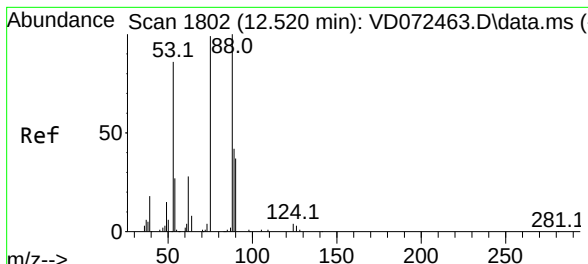
Tgt Ion: 75 Resp: 158950

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.942 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD072692.D
 Acq: 22 Apr 2022 14:17

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-02-042122

Tgt Ion: 75 Resp: 158950
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.5 129.7#
 89 0.0 33.9 50.9#

