

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062422\
 Data File : VD073698.D
 Acq On : 24 Jun 2022 20:23
 Operator : VA/SY
 Sample : N3502-04
 Misc : 5.62G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 D-42-LC

Quant Time: Jun 25 07:24:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 24 07:36:47 2022
 Response via : Initial Calibration

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

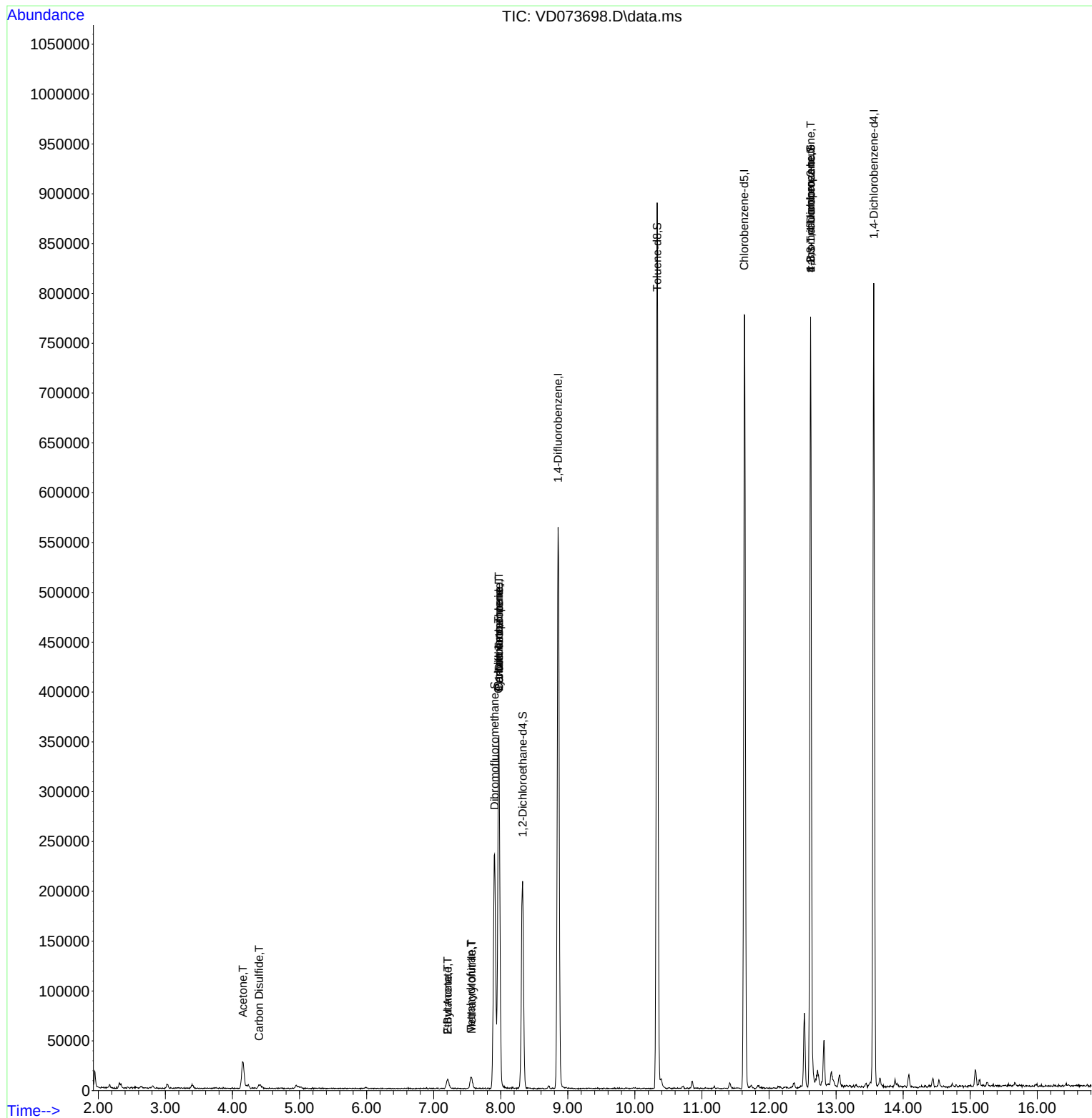
Internal Standards						
1) Pentafluorobenzene	7.973	168	262076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	496831	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	472171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	215802	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	171946	53.418	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.840%	
35) Dibromofluoromethane	7.909	113	172012	44.444	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 88.880%	
50) Toluene-d8	10.332	98	598859	43.094	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 86.180%	
62) 4-Bromofluorobenzene	12.620	95	216999	41.634	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 83.260%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	270	Below Cal	#	40
5) Bromomethane	2.773	94	551	Below Cal		97
11) Tert butyl alcohol	5.197	59	176	Below Cal	#	100
16) Acetone	4.156	43	47797	87.399	ug/l	99
17) Carbon Disulfide	4.397	76	8254	1.215	ug/l	# 89
18) Methyl Acetate	4.726	43	876	Below Cal	#	50
20) Methylene Chloride	4.950	84	2249	Below Cal	#	73
25) 2-Butanone	7.209	43	15448	19.044	ug/l	# 84
29) Tetrahydrofuran	7.556	42	8686	17.614	ug/l	97
31) Cyclohexane	7.967	56	6175	1.279	ug/l	# 8
36) 1,1-Dichloropropene	7.973	75	20637	3.798	ug/l	# 49
37) Ethyl Acetate	7.209	43	15448	7.244	ug/l	# 68
38) Carbon Tetrachloride	7.973	117	27198	4.300	ug/l	# 14
41) Methacrylonitrile	7.567	41	5667	4.402	ug/l	# 39
76) 1,2,3-Trichloropropane	12.620	75	110417	52.577	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.620	75	110417	107.341	ug/l	# 11

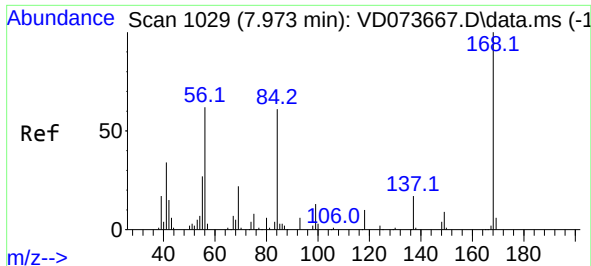
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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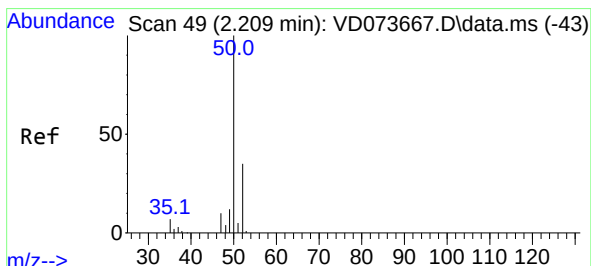
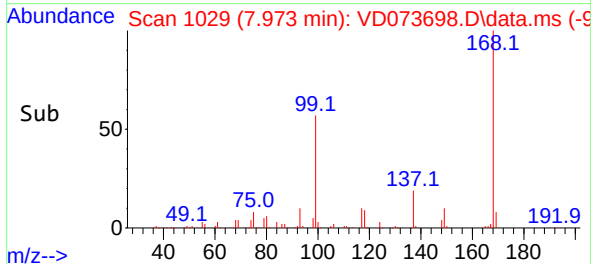
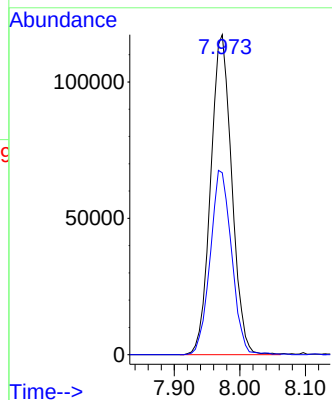
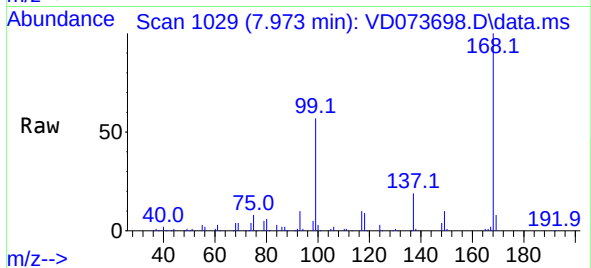




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073698.D
Acq: 24 Jun 2022 20:23

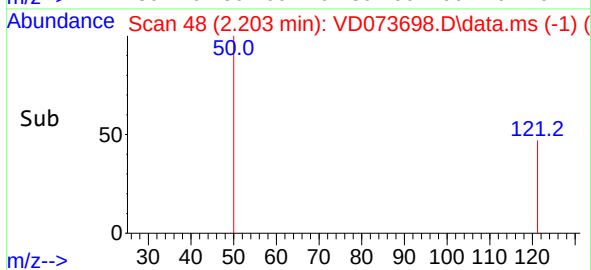
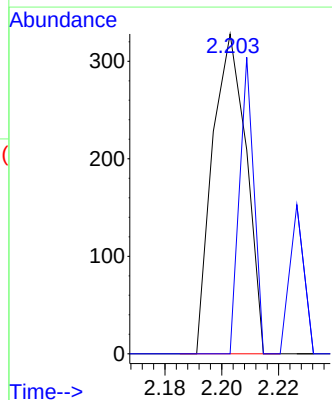
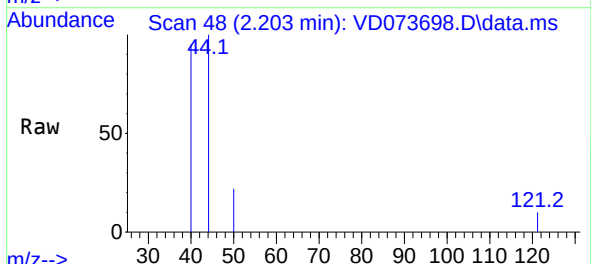
Instrument :
MSVOA_D
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D-42-LC

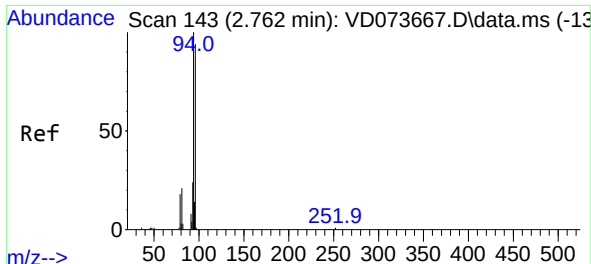
Tgt Ion:168 Resp: 262076
Ion Ratio Lower Upper
168 100
99 56.8 46.4 69.6



#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD073698.D
Acq: 24 Jun 2022 20:23

Tgt Ion: 50 Resp: 270
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#

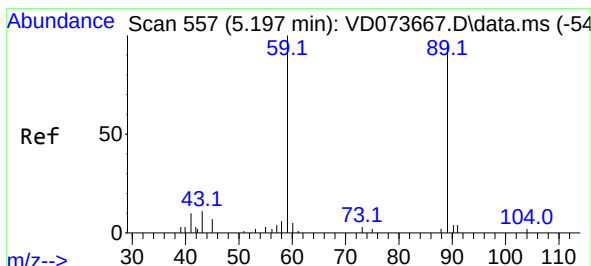
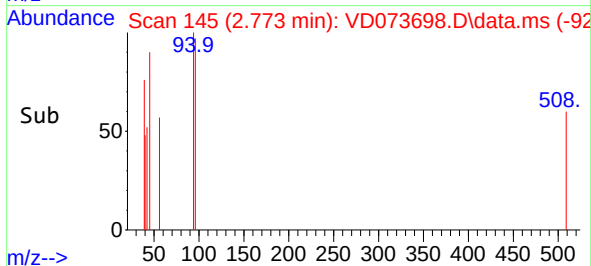
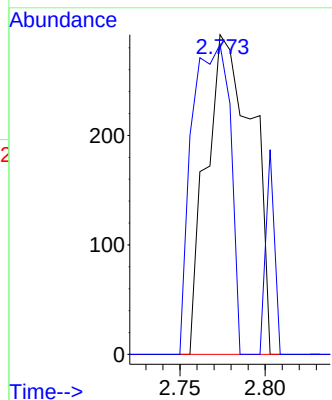
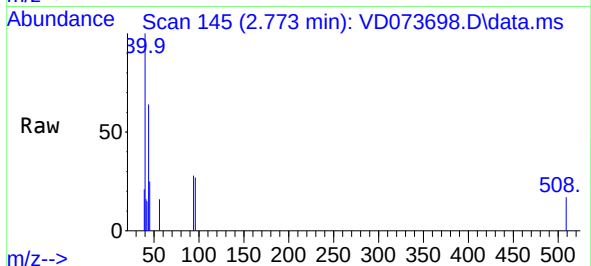




#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 14
Delta R.T. 0.011 min
Lab File: VD073698.D
Acq: 24 Jun 2022 20:23

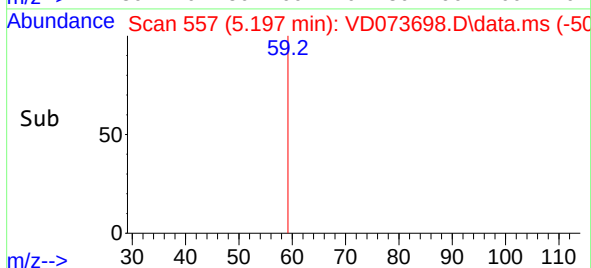
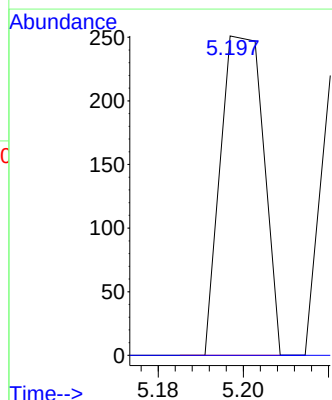
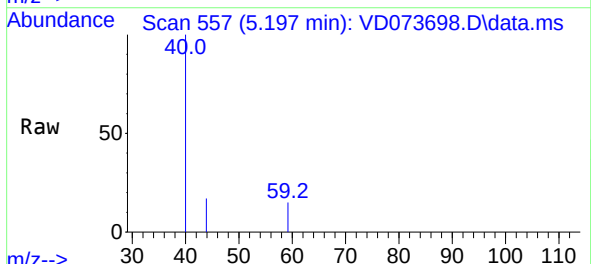
Instrument :
MSVOA_D
ClientSampleId :
D-42-LC

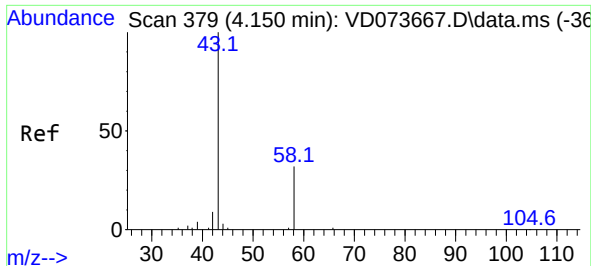
Tgt Ion: 94 Resp: 551
Ion Ratio Lower Upper
94 100
96 96.9 75.1 112.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.197 min Scan# 557
Delta R.T. -0.000 min
Lab File: VD073698.D
Acq: 24 Jun 2022 20:23

Tgt Ion: 59 Resp: 176
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

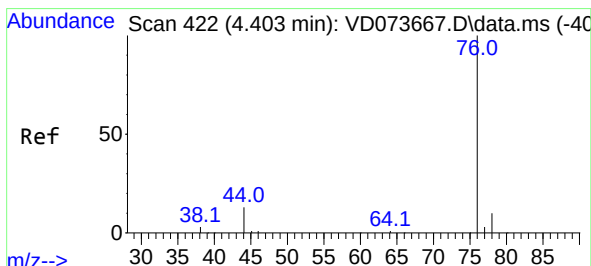
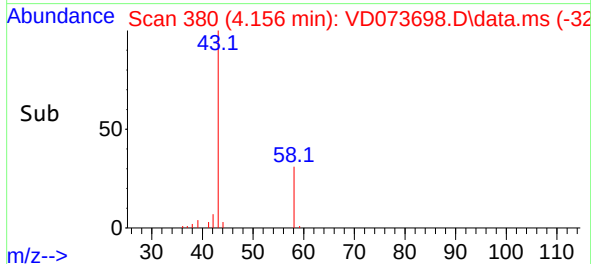
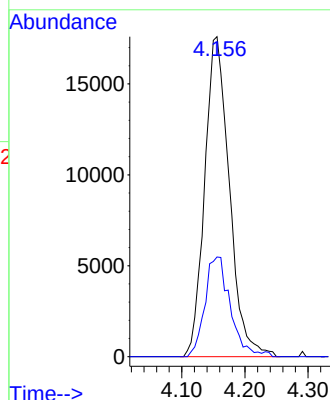
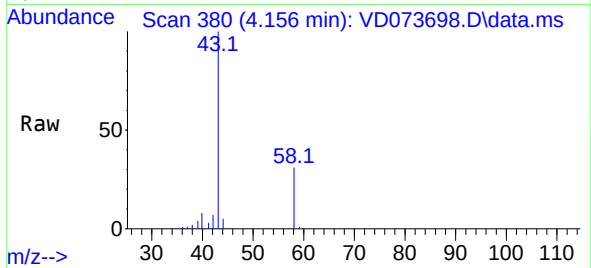




#16
Acetone
Concen: 87.399 ug/l
RT: 4.156 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD073698.D
Acq: 24 Jun 2022 20:23

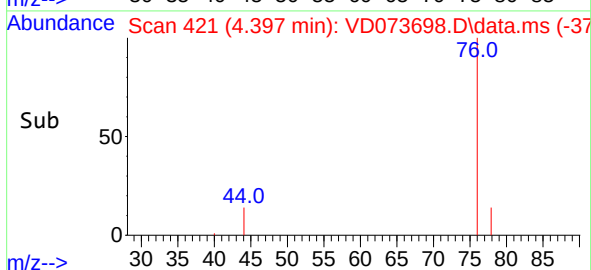
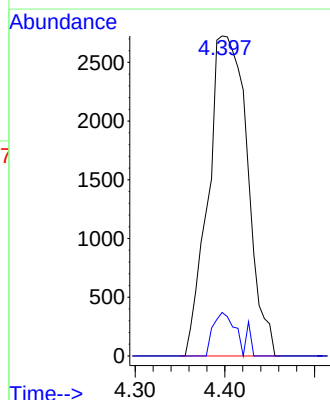
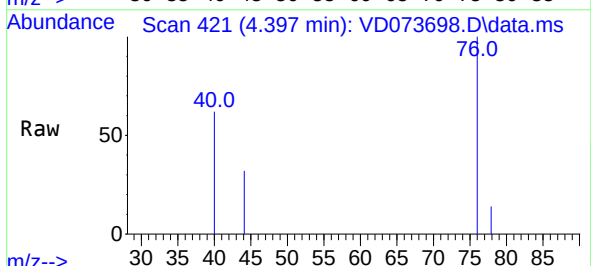
Instrument :
MSVOA_D
ClientSampleId :
D-42-LC

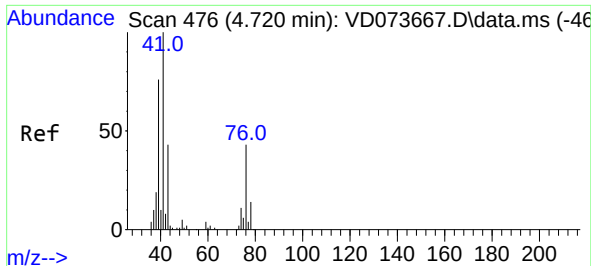
Tgt Ion: 43 Resp: 47797
Ion Ratio Lower Upper
43 100
58 31.2 25.2 37.8



#17
Carbon Disulfide
Concen: 1.215 ug/l
RT: 4.397 min Scan# 421
Delta R.T. -0.006 min
Lab File: VD073698.D
Acq: 24 Jun 2022 20:23

Tgt Ion: 76 Resp: 8254
Ion Ratio Lower Upper
76 100
78 13.6 7.7 11.5#

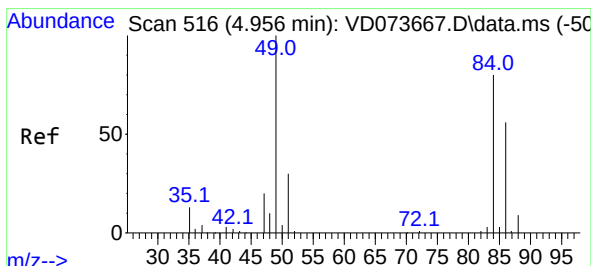
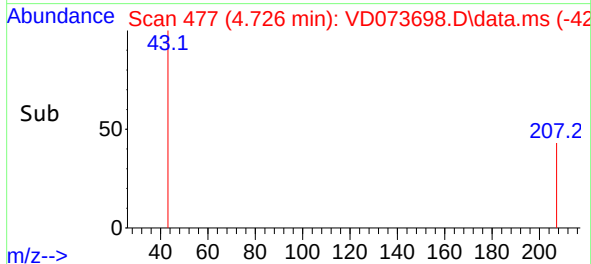
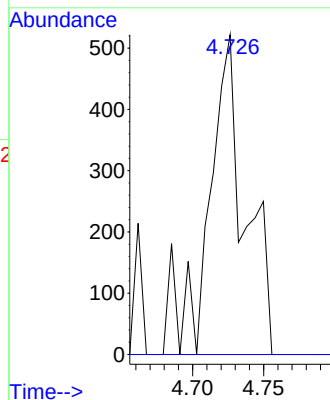
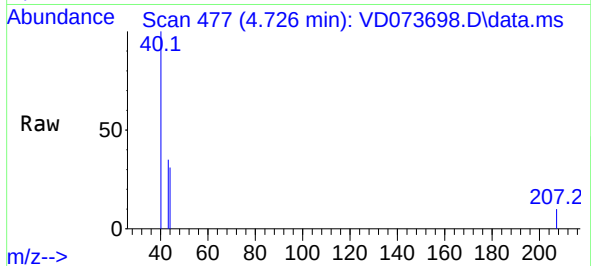




#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD073698.D
Acq: 24 Jun 2022 20:23

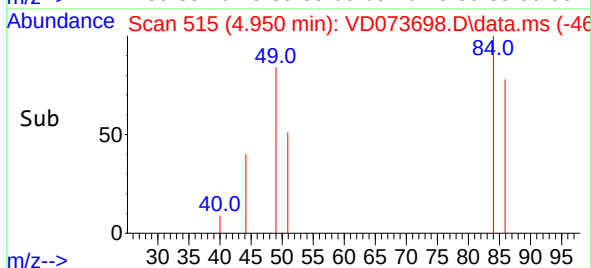
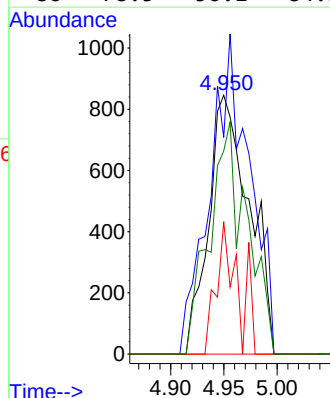
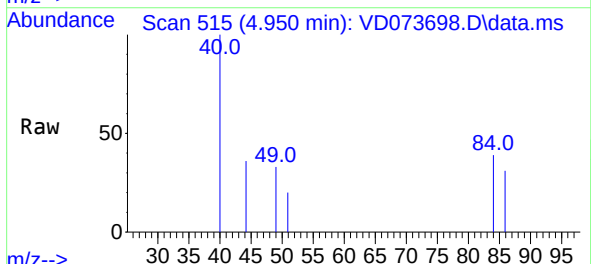
Instrument :
MSVOA_D
ClientSampleId :
D-42-LC

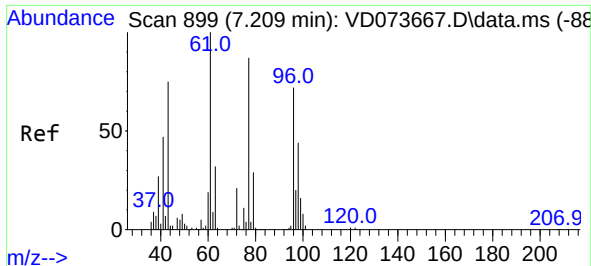
Tgt Ion: 43 Resp: 876
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.006 min
Lab File: VD073698.D
Acq: 24 Jun 2022 20:23

Tgt Ion: 84 Resp: 2249
Ion Ratio Lower Upper
84 100
49 83.7 100.6 150.8#
51 51.2 29.8 44.6#
86 78.5 56.1 84.1

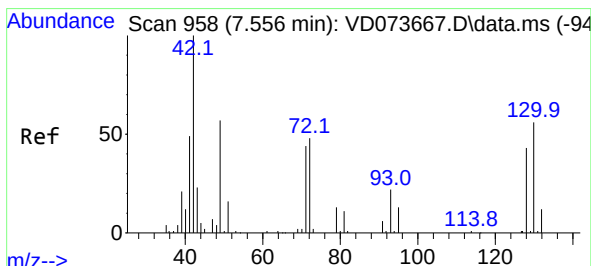
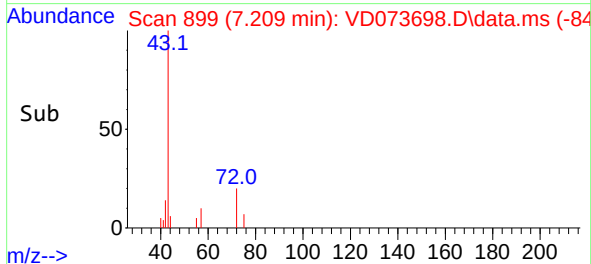
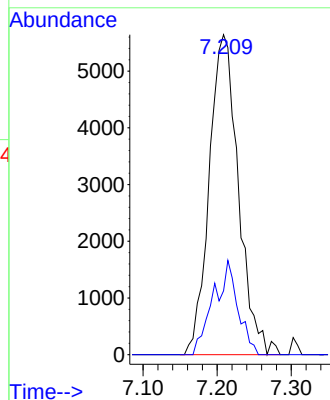
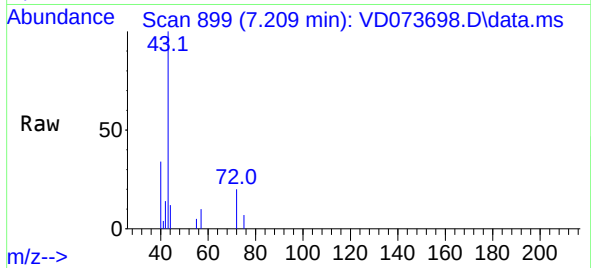




#25
2-Butanone
Concen: 19.044 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD073698.D
Acq: 24 Jun 2022 20:23

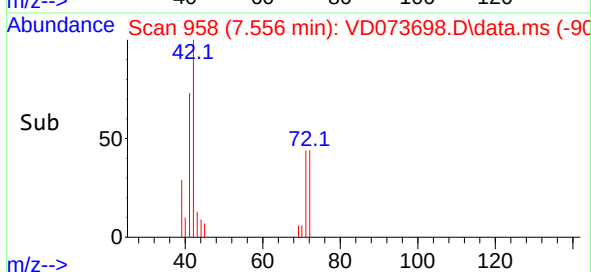
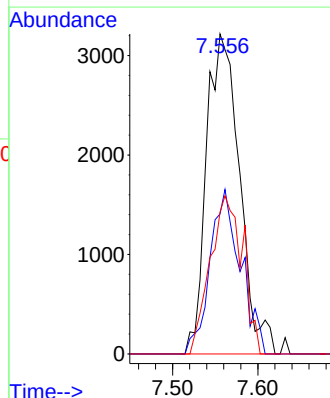
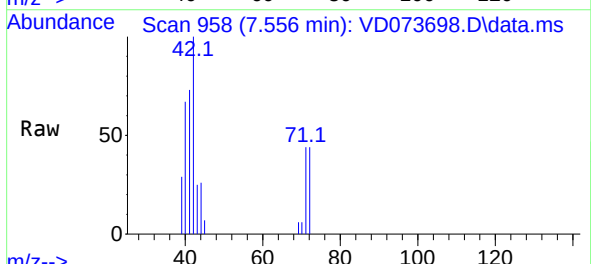
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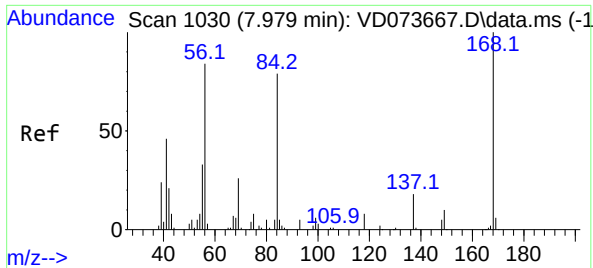
Tgt Ion: 43 Resp: 15448
Ion Ratio Lower Upper
43 100
72 20.0 22.6 33.8#



#29
Tetrahydrofuran
Concen: 17.614 ug/l
RT: 7.556 min Scan# 958
Delta R.T. 0.000 min
Lab File: VD073698.D
Acq: 24 Jun 2022 20:23

Tgt Ion: 42 Resp: 8686
Ion Ratio Lower Upper
42 100
72 47.2 37.8 56.6
71 48.5 35.5 53.3





#31

Cyclohexane

Concen: 1.279 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073698.D

Acq: 24 Jun 2022 20:23

Instrument :

MSVOA_D

ClientSampleId :

D-42-LC

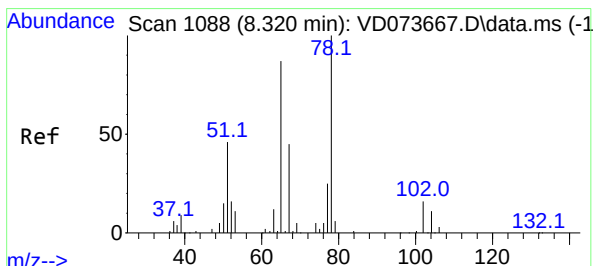
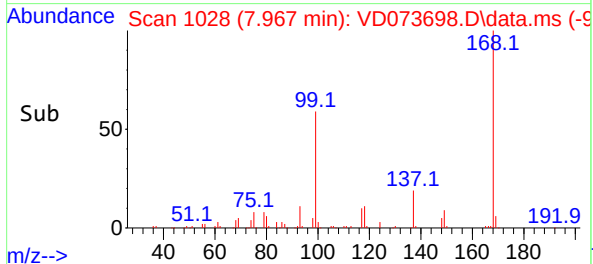
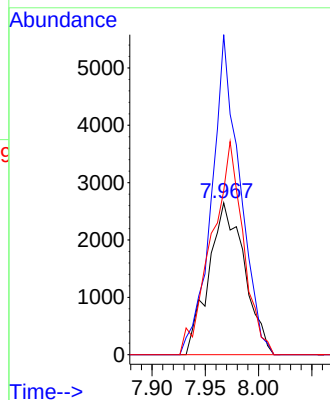
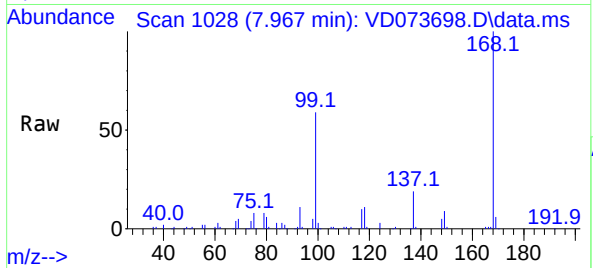
Tgt Ion: 56 Resp: 6175

Ion Ratio Lower Upper

56 100

69 210.7 25.2 37.8#

84 107.9 75.4 113.2



#33

1,2-Dichloroethane-d4

Concen: 53.418 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD073698.D

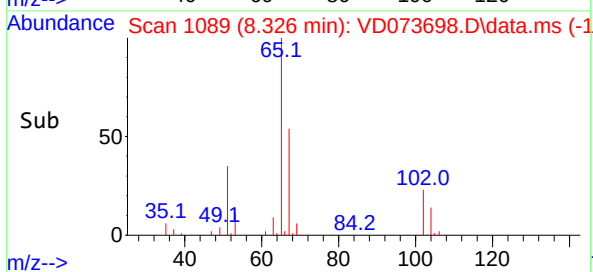
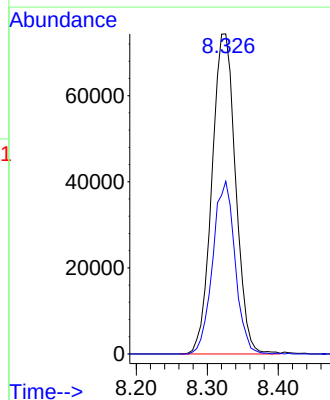
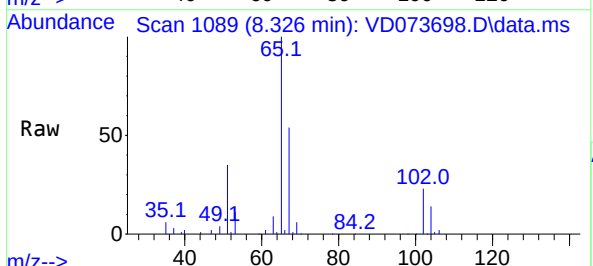
Acq: 24 Jun 2022 20:23

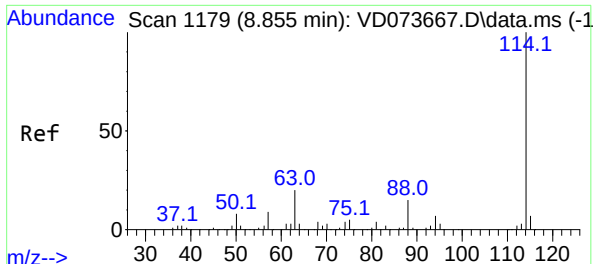
Tgt Ion: 65 Resp: 171946

Ion Ratio Lower Upper

65 100

67 50.9 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073698.D

Acq: 24 Jun 2022 20:23

Instrument :

MSVOA_D

ClientSampleId :

D-42-LC

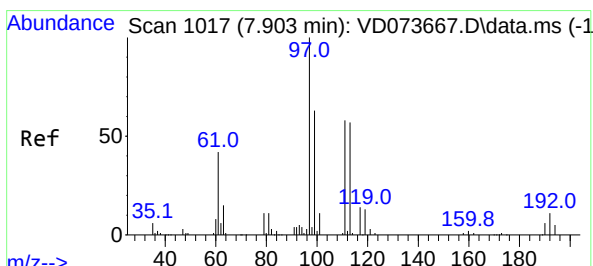
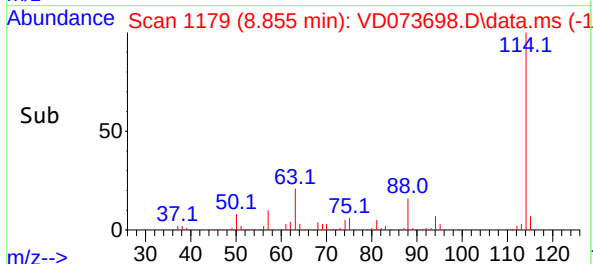
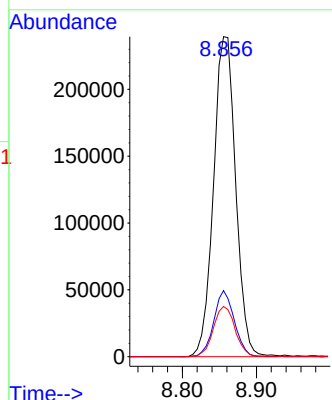
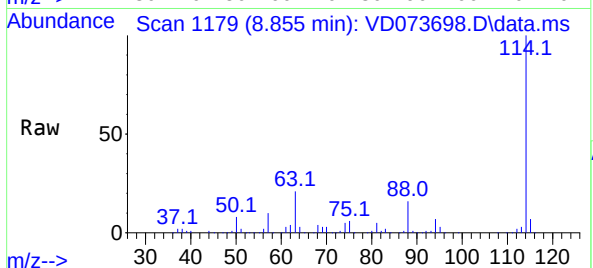
Tgt Ion:114 Resp: 496831

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.2

88 15.7 0.0 29.4



#35

Dibromofluoromethane

Concen: 44.444 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.006 min

Lab File: VD073698.D

Acq: 24 Jun 2022 20:23

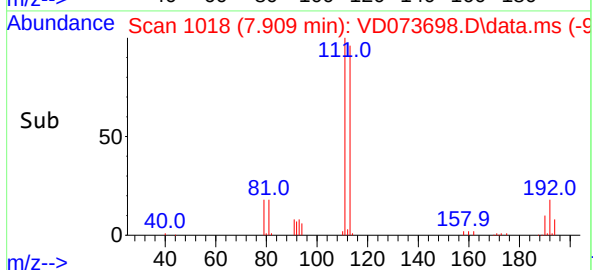
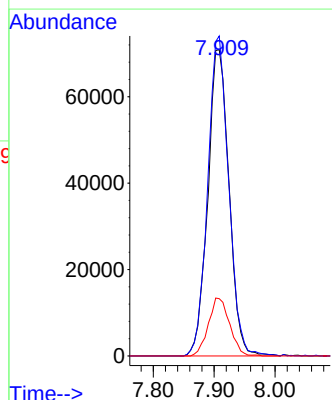
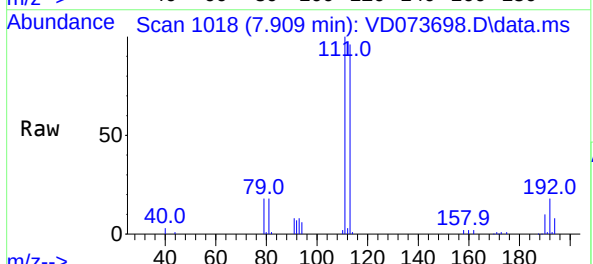
Tgt Ion:113 Resp: 172012

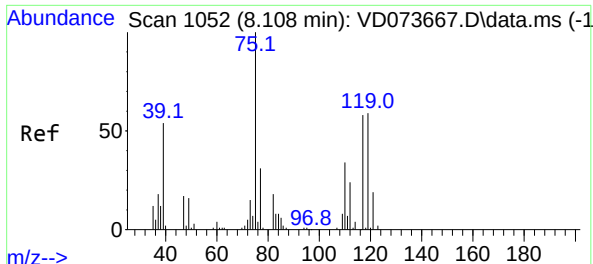
Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.6

192 18.9 14.8 22.2





#36

1,1-Dichloropropene

Concen: 3.798 ug/l

RT: 7.973 min Scan# 1

Delta R.T. -0.135 min

Lab File: VD073698.D

Acq: 24 Jun 2022 20:23

Instrument :

MSVOA_D

ClientSampleId :

D-42-LC

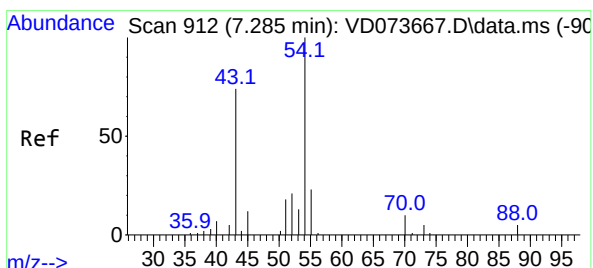
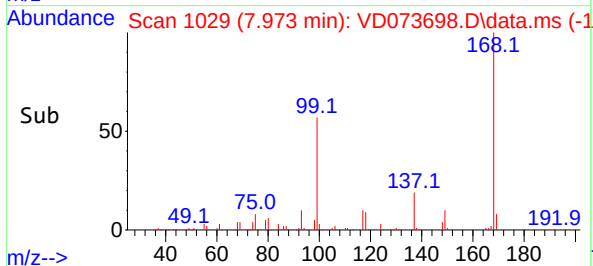
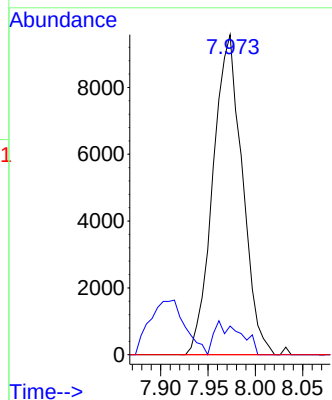
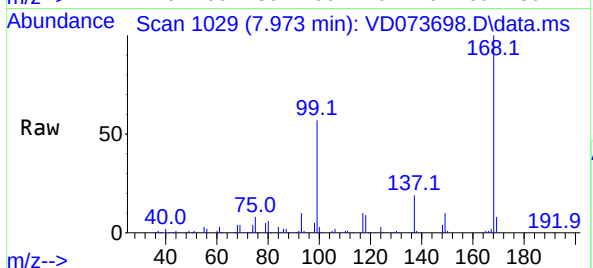
Tgt Ion: 75 Resp: 20637

Ion Ratio Lower Upper

75 100

110 9.4 18.0 54.0#

77 0.0 25.6 38.4#



#37

Ethyl Acetate

Concen: 7.244 ug/l

RT: 7.209 min Scan# 899

Delta R.T. -0.076 min

Lab File: VD073698.D

Acq: 24 Jun 2022 20:23

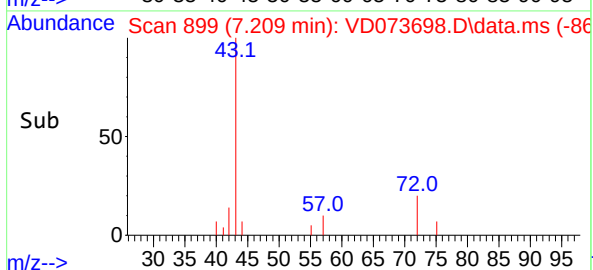
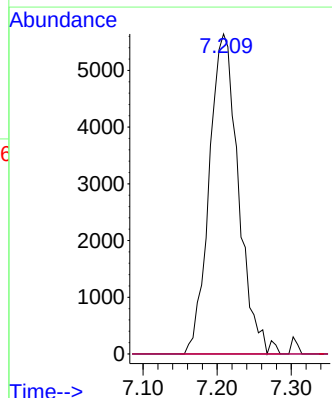
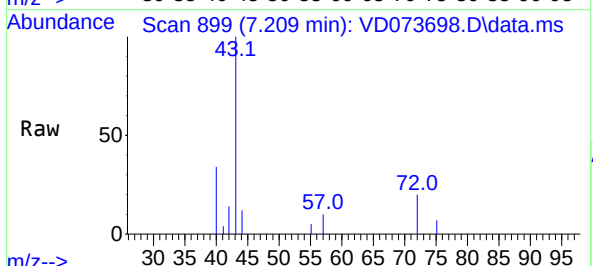
Tgt Ion: 43 Resp: 15448

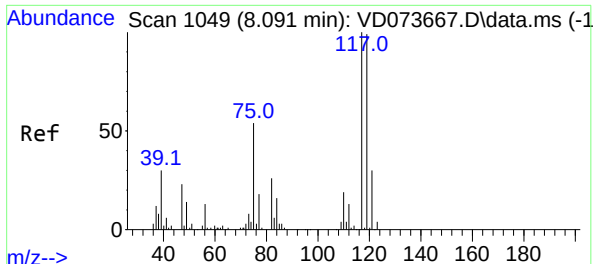
Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 9.9 14.9#

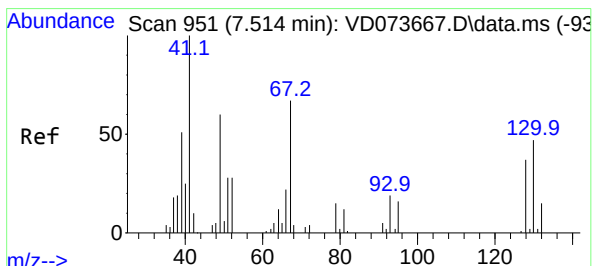
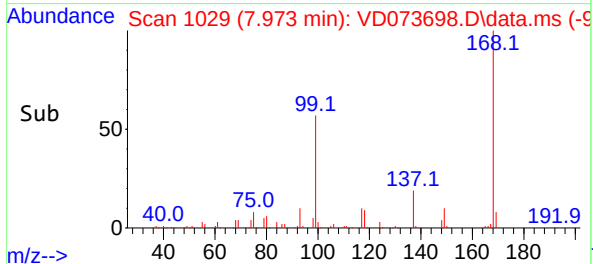
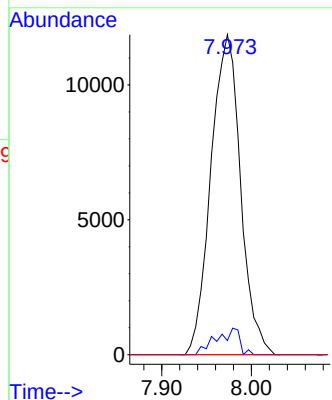
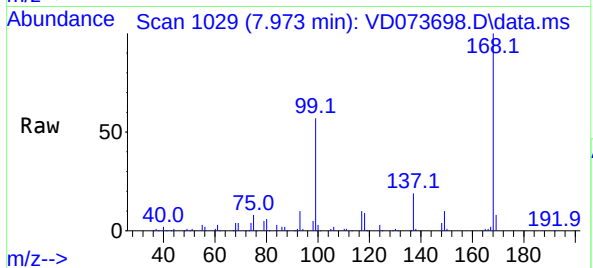




#38
Carbon Tetrachloride
Concen: 4.300 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073698.D
Acq: 24 Jun 2022 20:23

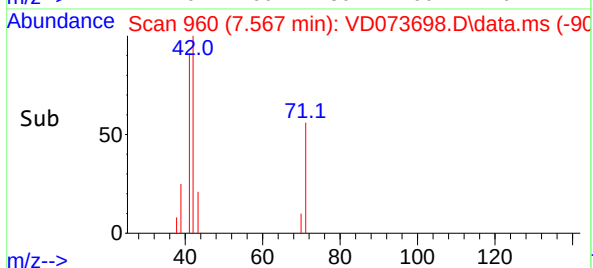
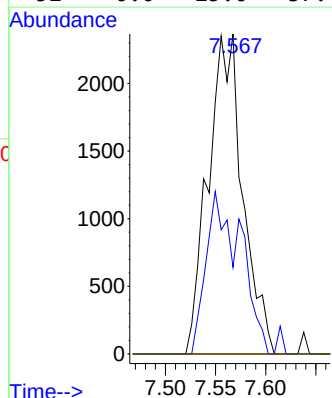
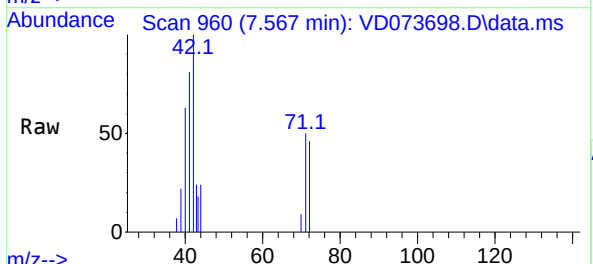
Instrument :
MSVOA_D
ClientSampleId :
D-42-LC

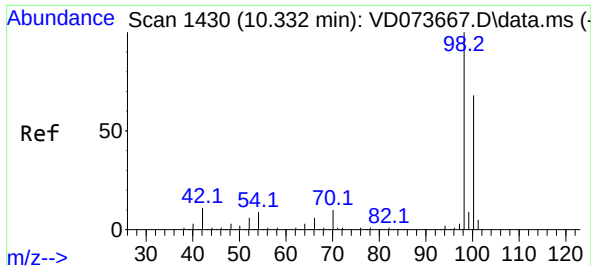
Tgt Ion:117 Resp: 27198
Ion Ratio Lower Upper
117 100
119 4.4 79.2 118.8#
121 0.0 23.8 35.8#



#41
Methacrylonitrile
Concen: 4.402 ug/l
RT: 7.567 min Scan# 960
Delta R.T. 0.053 min
Lab File: VD073698.D
Acq: 24 Jun 2022 20:23

Tgt Ion: 41 Resp: 5667
Ion Ratio Lower Upper
41 100
39 33.9 42.1 63.1#
67 0.0 58.6 87.8#
52 0.0 25.0 37.4#

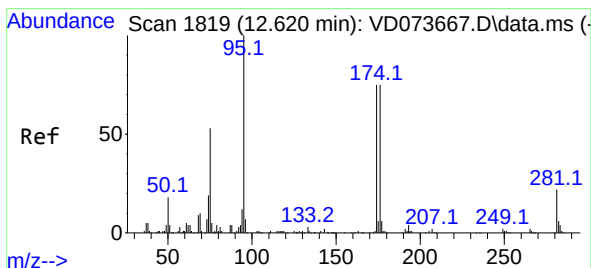
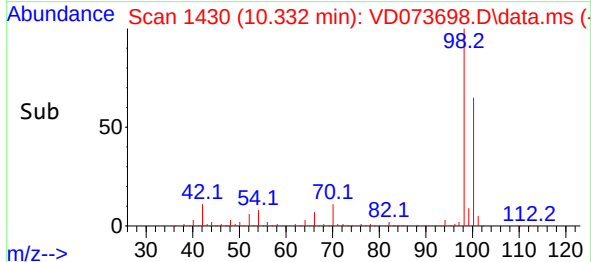
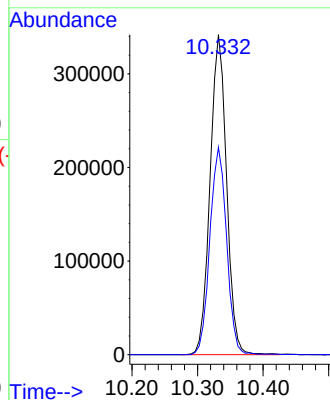
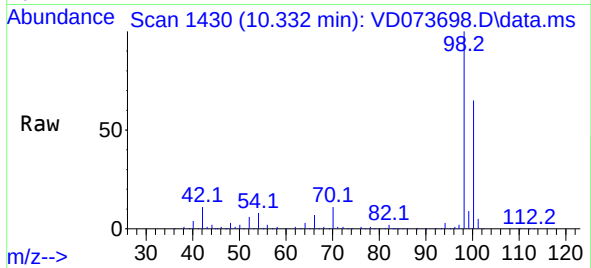




#50
Toluene-d8
Concen: 43.094 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073698.D
Acq: 24 Jun 2022 20:23

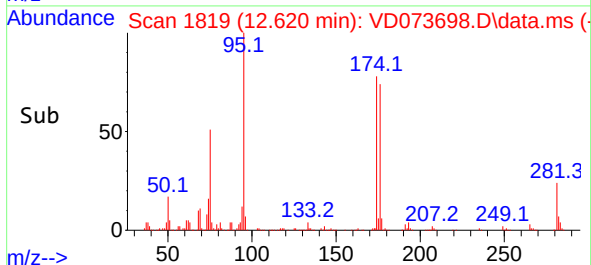
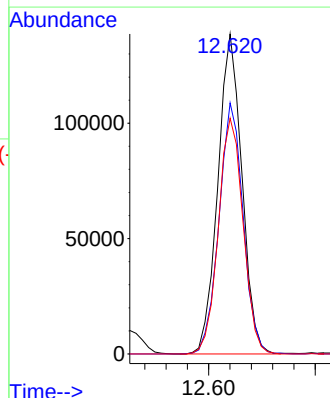
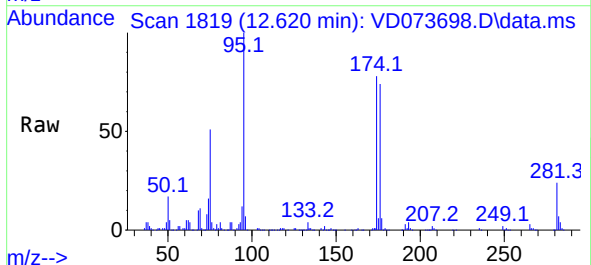
Instrument :
MSVOA_D
ClientSampleId :
D-42-LC

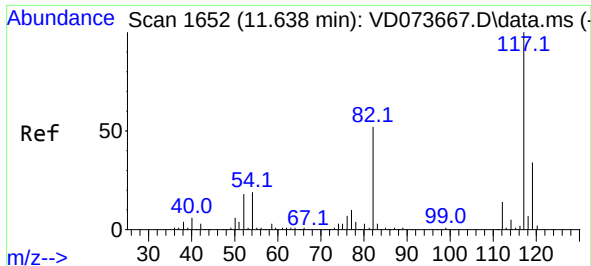
Tgt Ion: 98 Resp: 598859
Ion Ratio Lower Upper
98 100
100 65.8 54.0 81.0



#62
4-Bromofluorobenzene
Concen: 41.634 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073698.D
Acq: 24 Jun 2022 20:23

Tgt Ion: 95 Resp: 216999
Ion Ratio Lower Upper
95 100
174 78.6 0.0 158.4
176 75.6 0.0 154.8

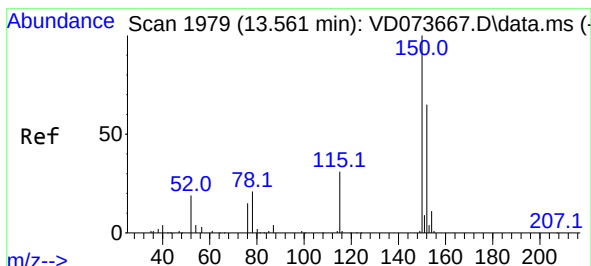
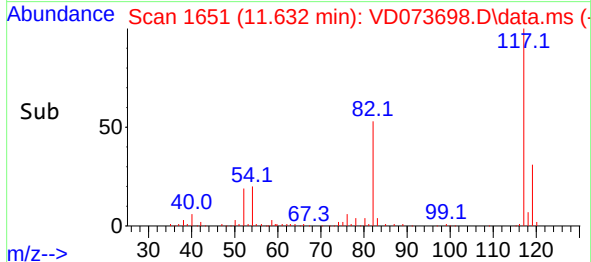
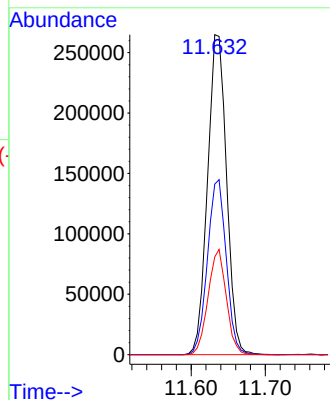
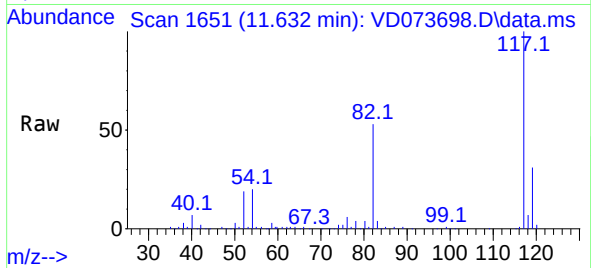




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 117
Delta R.T. -0.006 min
Lab File: VD073698.D
Acq: 24 Jun 2022 20:23

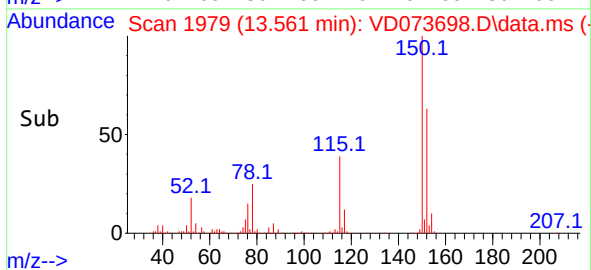
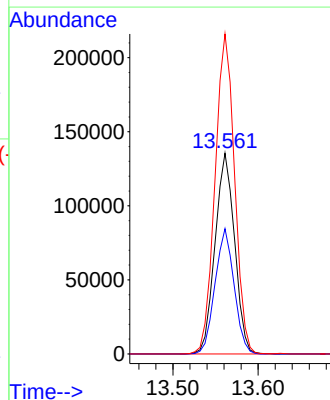
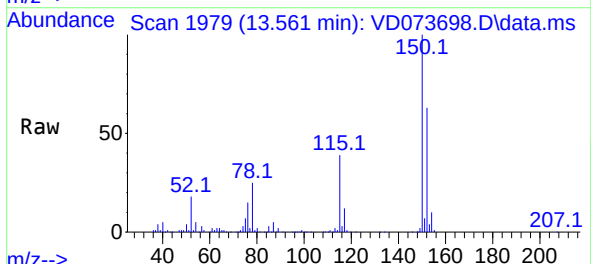
Instrument :
MSVOA_D
ClientSampleId :
D-42-LC

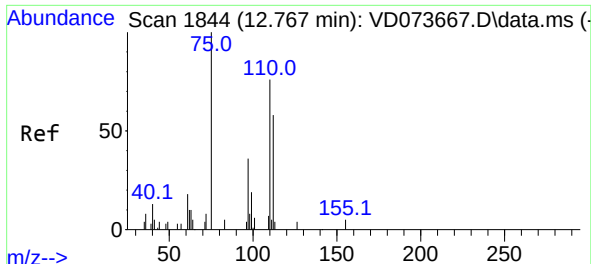
Tgt Ion:117 Resp: 472171
Ion Ratio Lower Upper
117 100
82 53.3 41.5 62.3
119 30.6 27.1 40.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073698.D
Acq: 24 Jun 2022 20:23

Tgt Ion:152 Resp: 215802
Ion Ratio Lower Upper
152 100
115 60.9 30.6 91.6
150 159.8 0.0 355.0

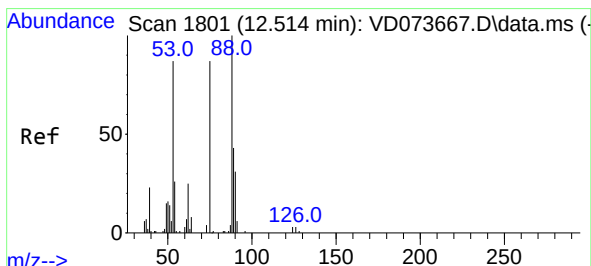
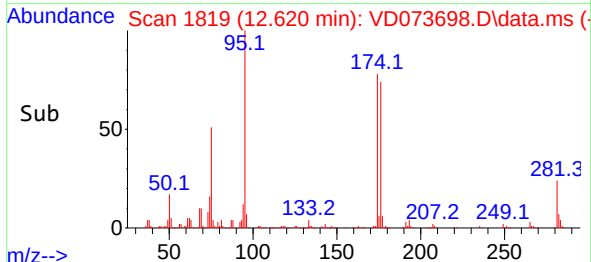
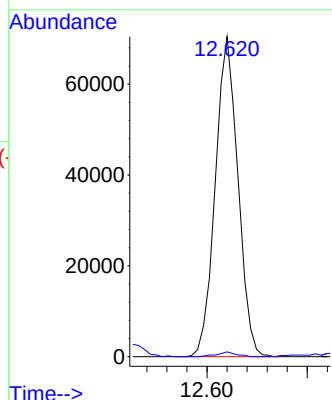
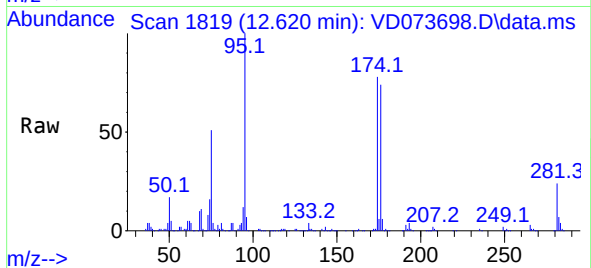




#76
1,2,3-Trichloropropane
Concen: 52.577 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073698.D
Acq: 24 Jun 2022 20:23

Instrument :
MSVOA_D
ClientSampleId :
D-42-LC

Tgt Ion: 75 Resp: 110417
Ion Ratio Lower Upper
75 100
77 1.3 195.3 586.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.341 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073698.D
Acq: 24 Jun 2022 20:23

Tgt Ion: 75 Resp: 110417
Ion Ratio Lower Upper
75 100
53 0.2 77.0 115.6#
89 0.5 37.8 56.8#

