

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062422\
 Data File : VD073696.D
 Acq On : 24 Jun 2022 19:24
 Operator : VA/SY
 Sample : N3502-02
 Misc : 4.75G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 D-46-LC

Quant Time: Jun 25 07:24:10 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)

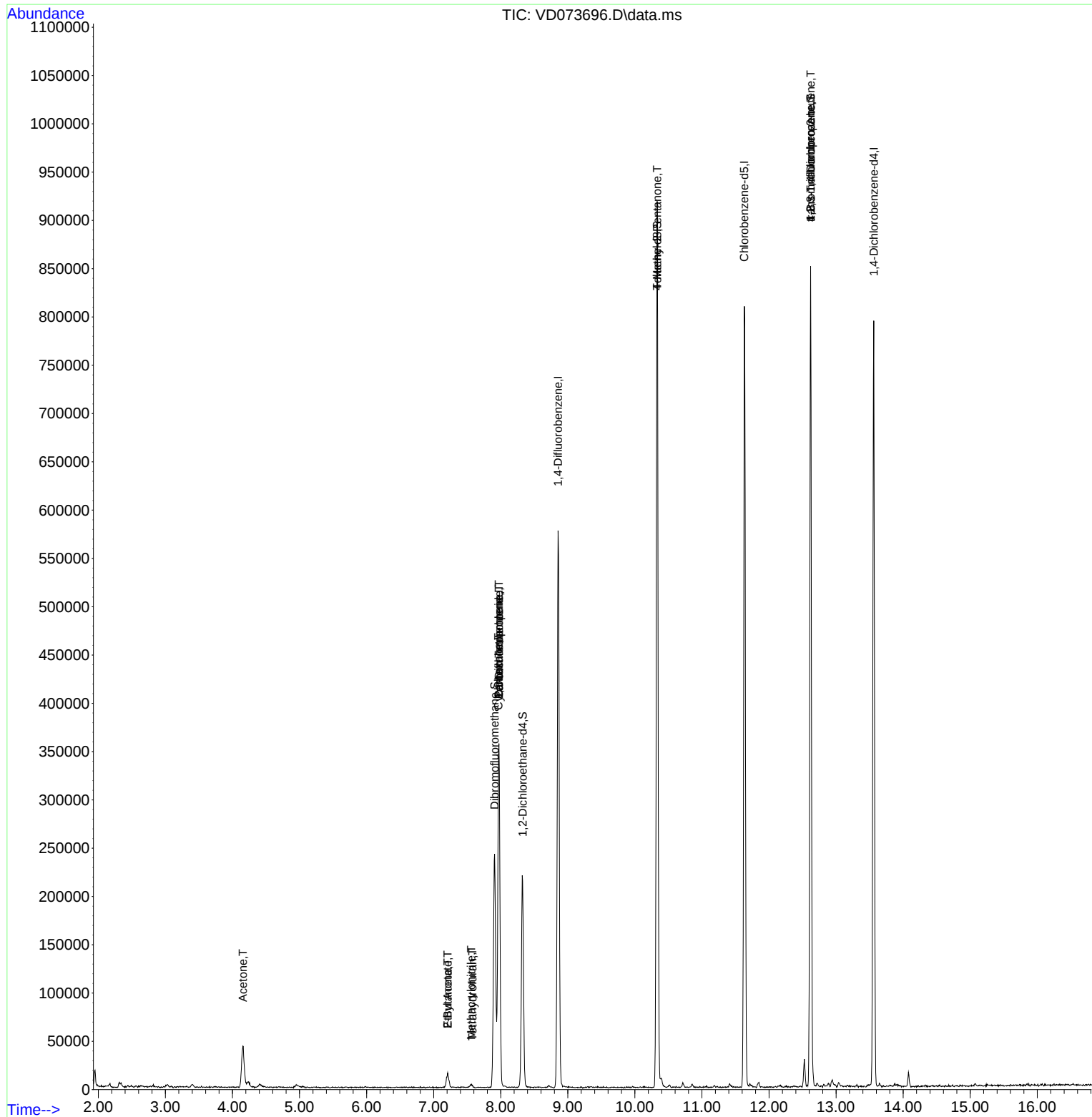
Internal Standards						
1) Pentafluorobenzene	7.973	168	264178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	506554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	479670	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	221705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	170650	52.594	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.180%	
35) Dibromofluoromethane	7.909	113	173368	43.934	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 87.860%	
50) Toluene-d8	10.332	98	617253	43.565	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 87.140%	
62) 4-Bromofluorobenzene	12.620	95	217967	41.017	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 82.040%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.215	50	192	Below Cal	#	40
5) Bromomethane	2.779	94	453	Below Cal		81
11) Tert butyl alcohol	5.215	59	254	Below Cal	#	100
16) Acetone	4.156	43	74774	139.917	ug/l	96
18) Methyl Acetate	4.726	43	591	Below Cal	#	50
20) Methylene Chloride	4.950	84	2232	Below Cal	#	80
25) 2-Butanone	7.209	43	23256	28.441	ug/l	99
29) Tetrahydrofuran	7.579	42	2119	4.263	ug/l #	56
31) Cyclohexane	7.967	56	6310	1.296	ug/l #	43
36) 1,1-Dichloropropene	7.973	75	21928	3.959	ug/l #	48
37) Ethyl Acetate	7.209	43	23256	10.697	ug/l #	68
38) Carbon Tetrachloride	7.973	117	28456	4.412	ug/l #	15
41) Methacrylonitrile	7.561	41	1321	1.006	ug/l #	47
51) 4-Methyl-2-Pentanone	10.332	43	3187	1.454	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	113275	52.502	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	113275	107.187	ug/l #	11

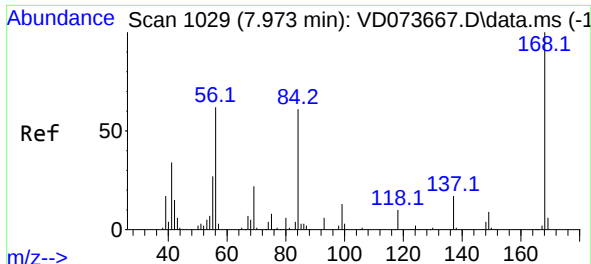
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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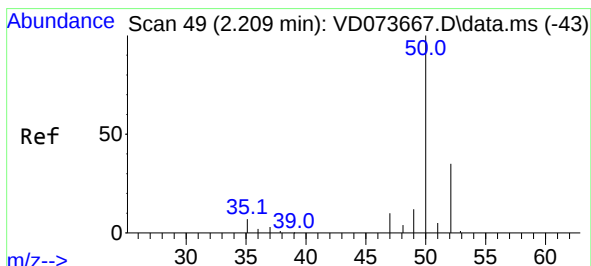
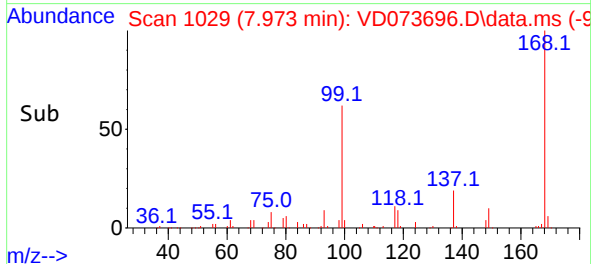
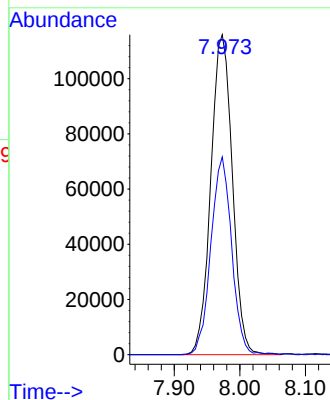
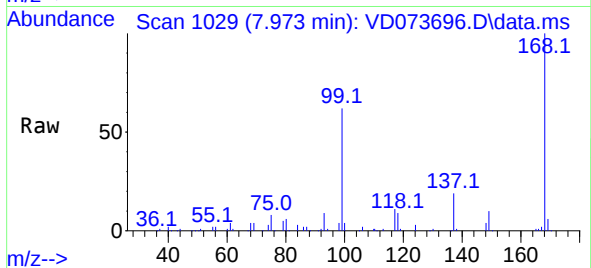




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073696.D
Acq: 24 Jun 2022 19:24

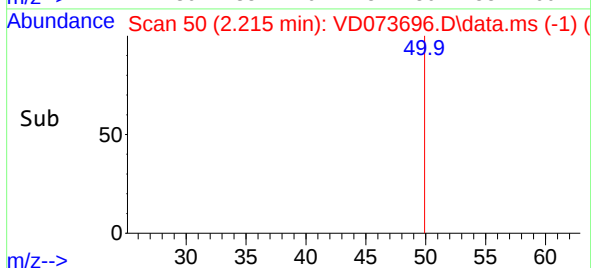
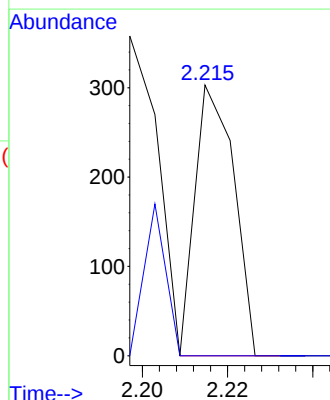
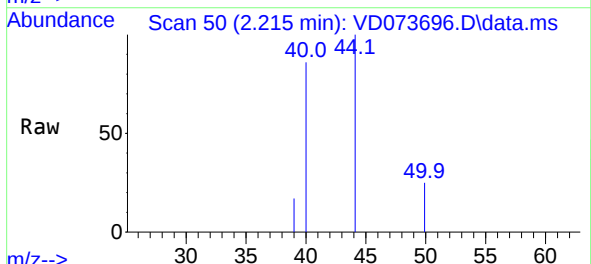
Instrument :
MSVOA_D
ClientSampleId :
D-46-LC

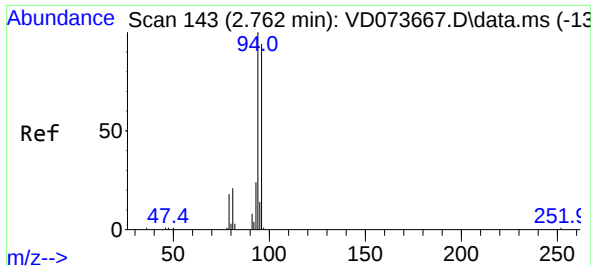
Tgt Ion:168 Resp: 264178
Ion Ratio Lower Upper
168 100
99 61.8 46.4 69.6



#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD073696.D
Acq: 24 Jun 2022 19:24

Tgt Ion: 50 Resp: 192
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#

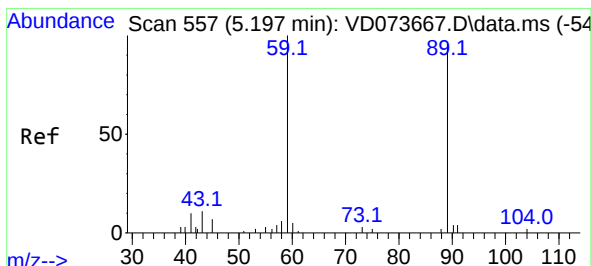
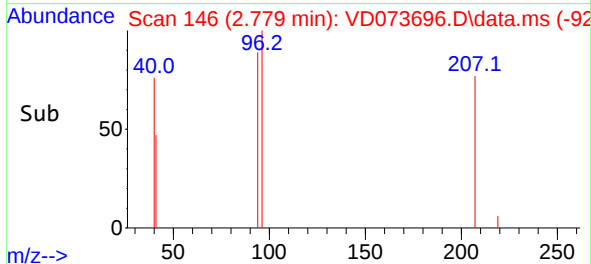
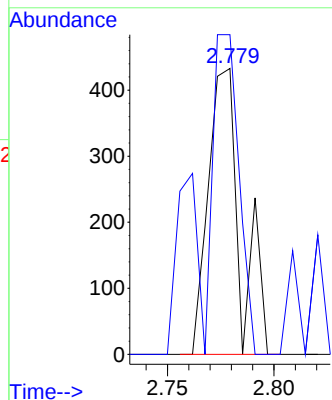
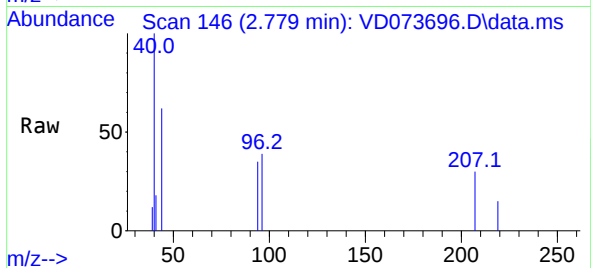




#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 14
Delta R.T. 0.017 min
Lab File: VD073696.D
Acq: 24 Jun 2022 19:24

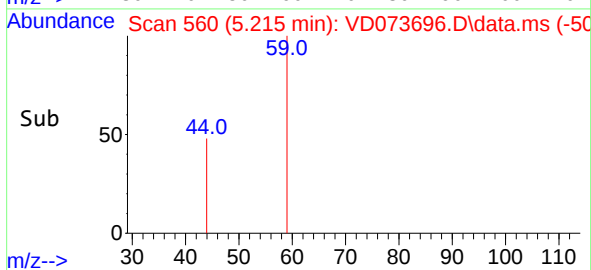
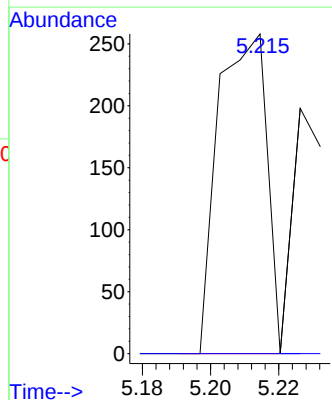
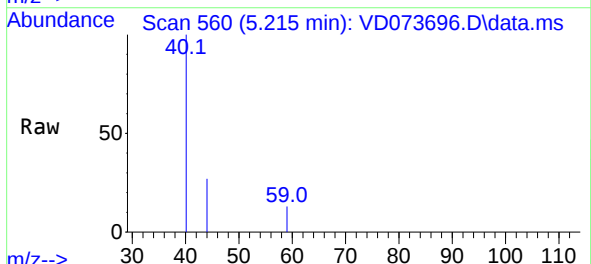
Instrument :
MSVOA_D
ClientSampleId :
D-46-LC

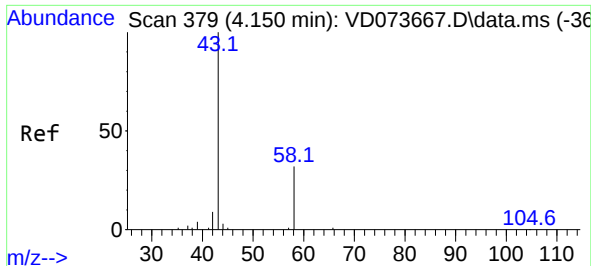
Tgt Ion: 94 Resp: 453
Ion Ratio Lower Upper
94 100
96 111.8 75.1 112.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.215 min Scan# 560
Delta R.T. 0.018 min
Lab File: VD073696.D
Acq: 24 Jun 2022 19:24

Tgt Ion: 59 Resp: 254
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

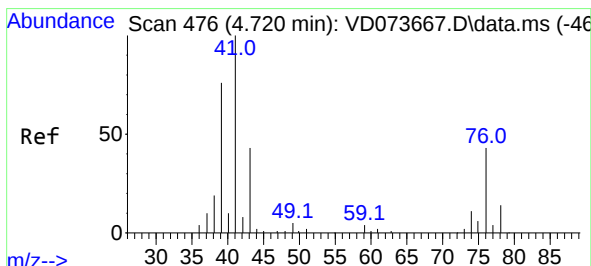
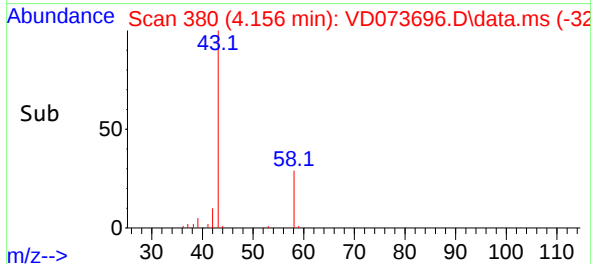
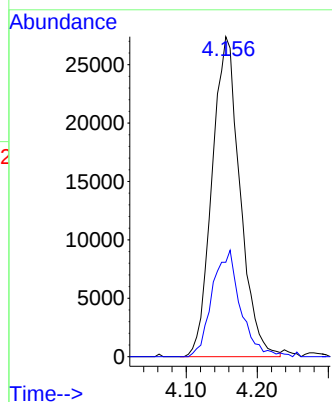
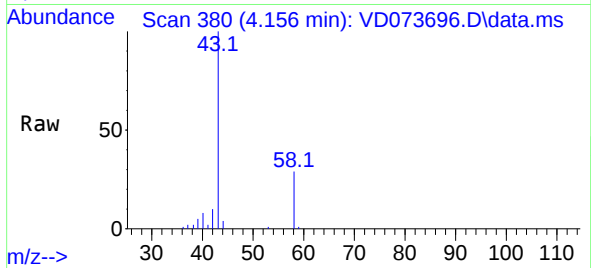




#16
Acetone
Concen: 139.917 ug/l
RT: 4.156 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD073696.D
Acq: 24 Jun 2022 19:24

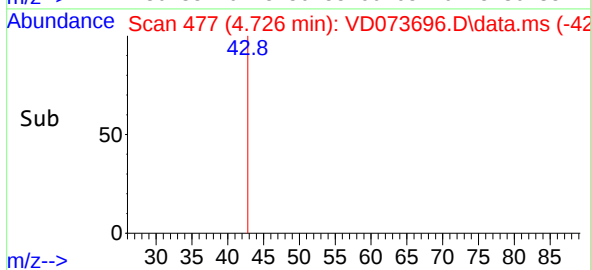
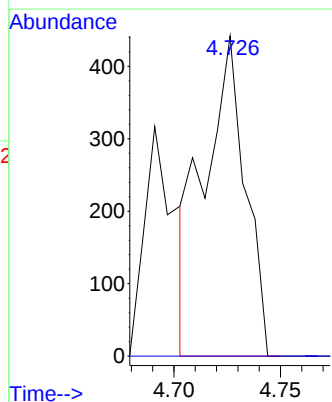
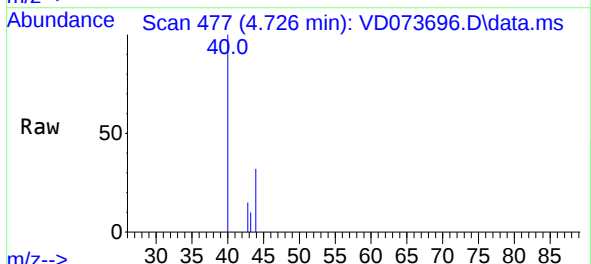
Instrument :
MSVOA_D
ClientSampleId :
D-46-LC

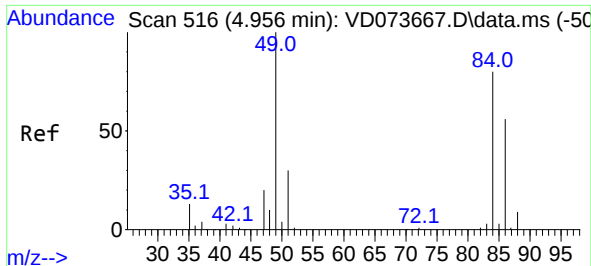
Tgt Ion: 43 Resp: 74774
Ion Ratio Lower Upper
43 100
58 29.5 25.2 37.8



#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.006 min
Lab File: VD073696.D
Acq: 24 Jun 2022 19:24

Tgt Ion: 43 Resp: 591
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.4#



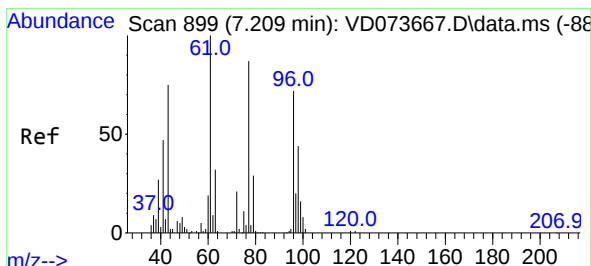
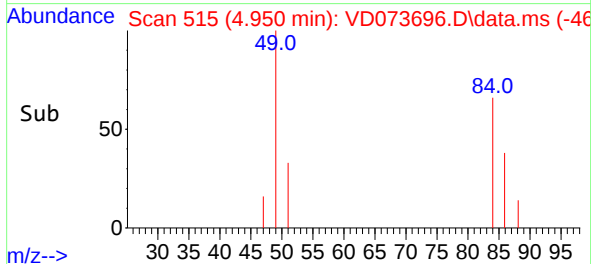
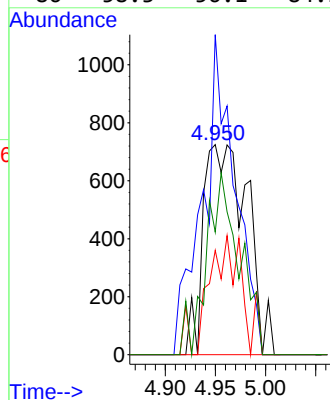
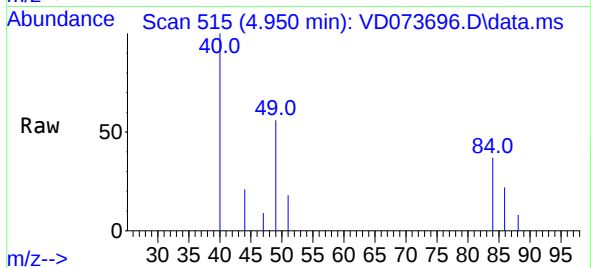


#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD073696.D
Acq: 24 Jun 2022 19:24

Instrument :
MSVOA_D
ClientSampleId :
D-46-LC

Tgt Ion: 84 Resp: 2232

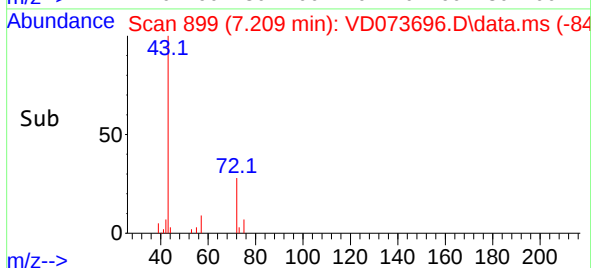
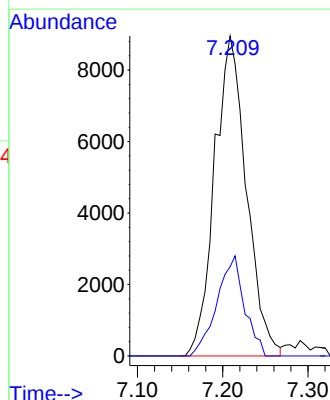
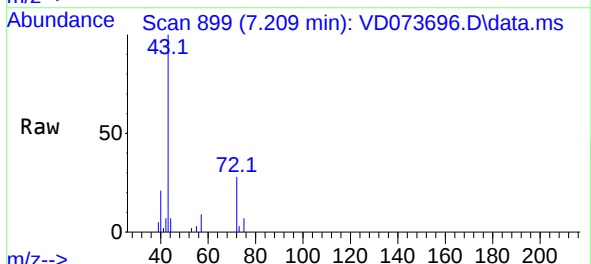
Ion	Ratio	Lower	Upper
84	100		
49	152.3	100.6	150.8#
51	49.7	29.8	44.6#
86	58.3	56.1	84.1

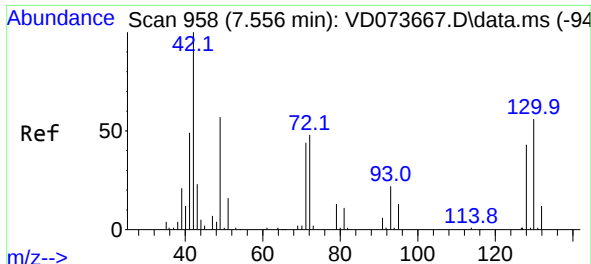


#25
2-Butanone
Concen: 28.441 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD073696.D
Acq: 24 Jun 2022 19:24

Tgt Ion: 43 Resp: 23256

Ion	Ratio	Lower	Upper
43	100		
72	27.9	22.6	33.8

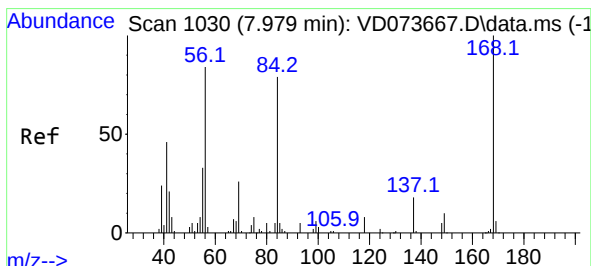
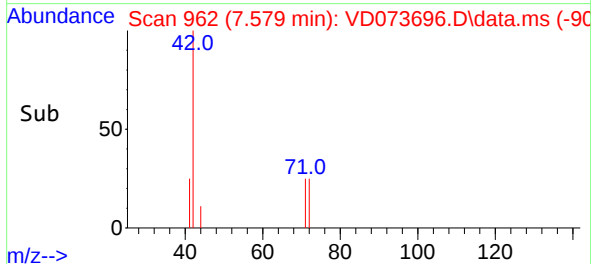
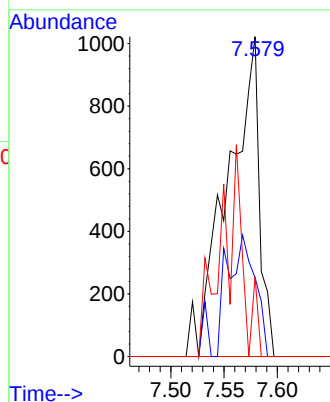
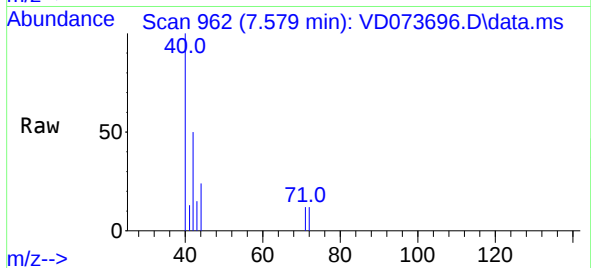




#29
Tetrahydrofuran
Concen: 4.263 ug/l
RT: 7.579 min Scan# 91
Delta R.T. 0.024 min
Lab File: VD073696.D
Acq: 24 Jun 2022 19:24

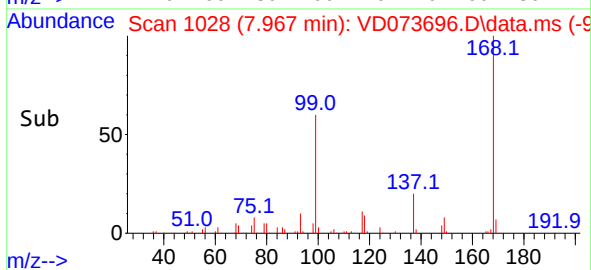
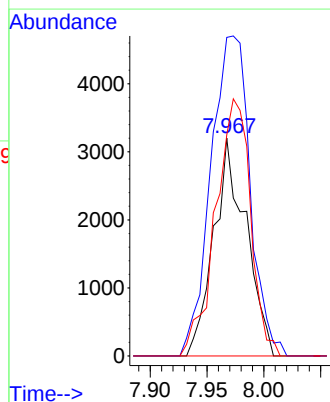
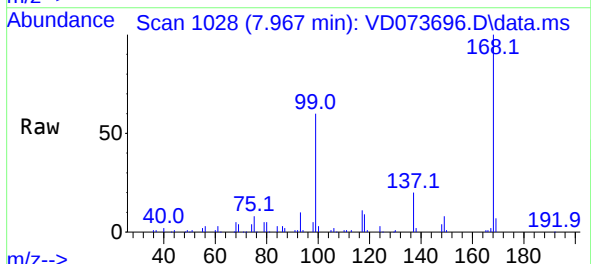
Instrument :
MSVOA_D
ClientSampleId :
D-46-LC

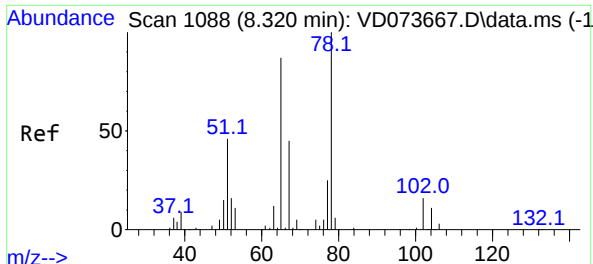
Tgt Ion: 42 Resp: 2119
Ion Ratio Lower Upper
42 100
72 33.0 37.8 56.6#
71 0.0 35.5 53.3#



#31
Cyclohexane
Concen: 1.296 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD073696.D
Acq: 24 Jun 2022 19:24

Tgt Ion: 56 Resp: 6310
Ion Ratio Lower Upper
56 100
69 146.2 25.2 37.8#
84 101.4 75.4 113.2

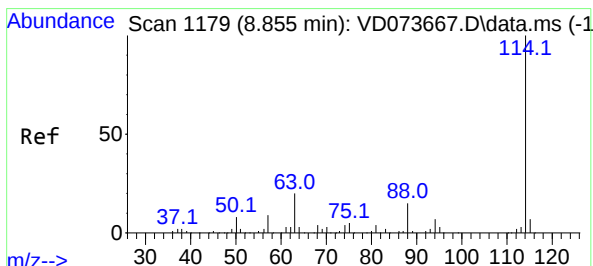
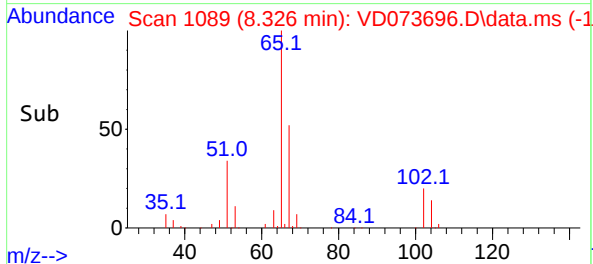
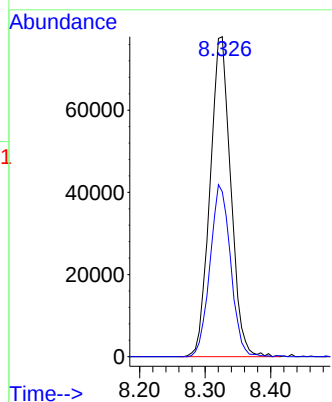
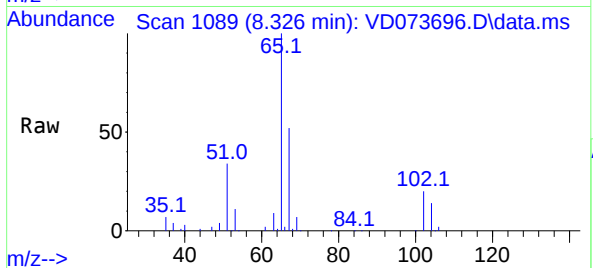




#33
1,2-Dichloroethane-d4
Concen: 52.594 ug/l
RT: 8.326 min Scan# 1088
Delta R.T. 0.006 min
Lab File: VD073696.D
Acq: 24 Jun 2022 19:24

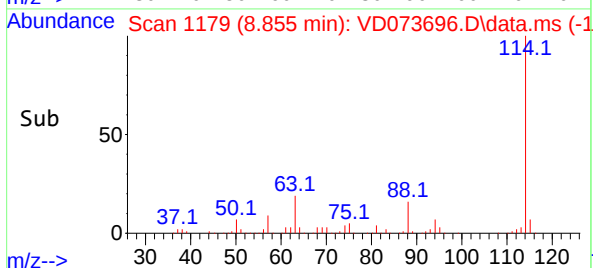
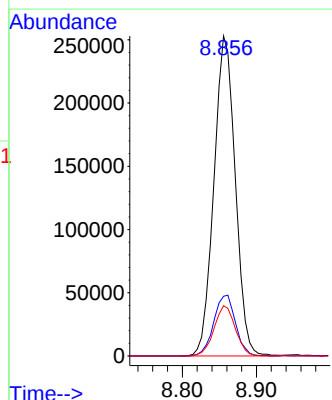
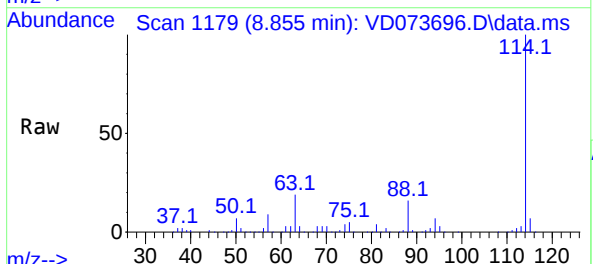
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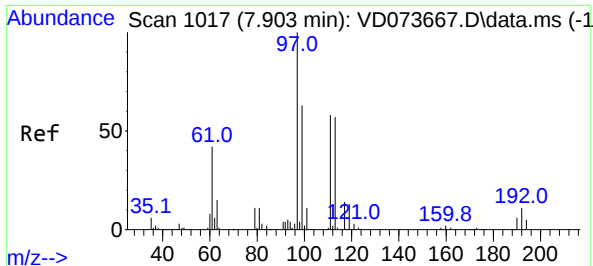
Tgt Ion: 65 Resp: 170650
Ion Ratio Lower Upper
65 100
67 53.4 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VD073696.D
Acq: 24 Jun 2022 19:24

Tgt Ion: 114 Resp: 506554
Ion Ratio Lower Upper
114 100
63 18.7 0.0 39.2
88 15.7 0.0 29.4





#35

Dibromofluoromethane

Concen: 43.934 ug/l

RT: 7.909 min Scan# 1017

Delta R.T. 0.006 min

Lab File: VD073696.D

Acq: 24 Jun 2022 19:24

Instrument :

MSVOA_D

ClientSampleId :

D-46-LC

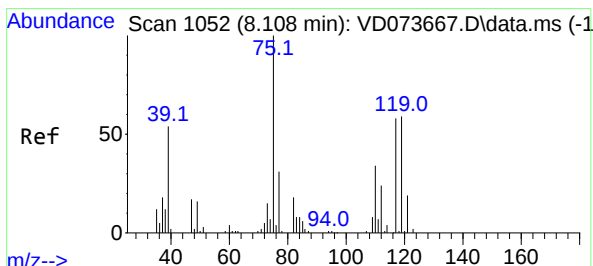
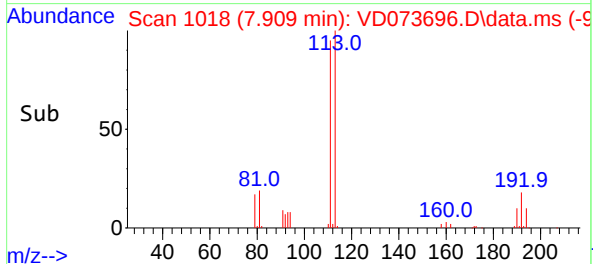
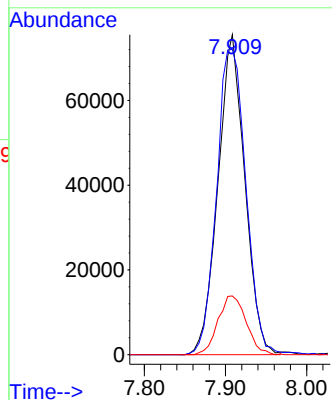
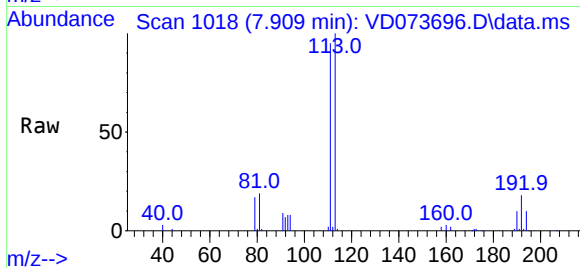
Tgt Ion:113 Resp: 173368

Ion Ratio Lower Upper

113 100

111 104.6 81.8 122.6

192 19.3 14.8 22.2



#36

1,1-Dichloropropene

Concen: 3.959 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073696.D

Acq: 24 Jun 2022 19:24

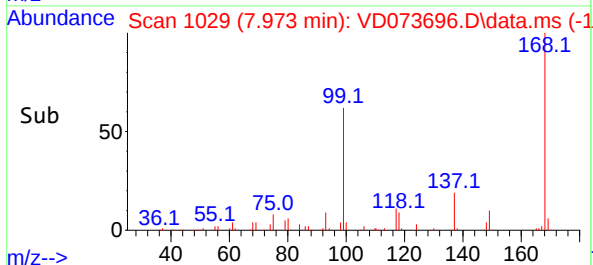
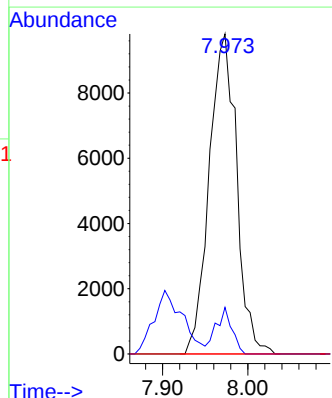
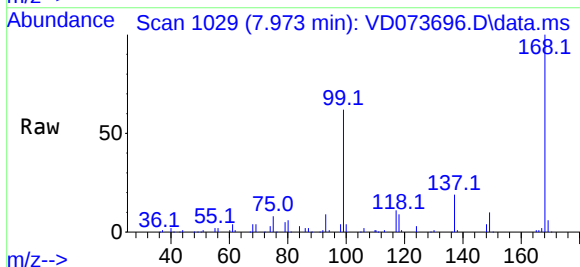
Tgt Ion: 75 Resp: 21928

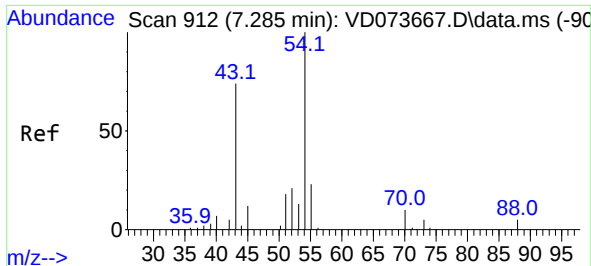
Ion Ratio Lower Upper

75 100

110 8.5 18.0 54.0#

77 0.0 25.6 38.4#





#37

Ethyl Acetate

Concen: 10.697 ug/l

RT: 7.209 min Scan# 899

Delta R.T. -0.076 min

Lab File: VD073696.D

Acq: 24 Jun 2022 19:24

Instrument :

MSVOA_D

ClientSampleId :

D-46-LC

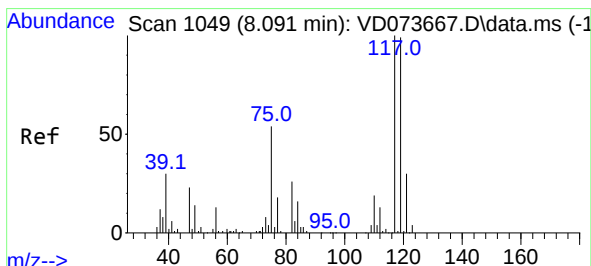
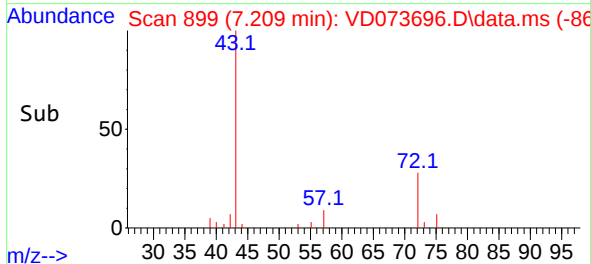
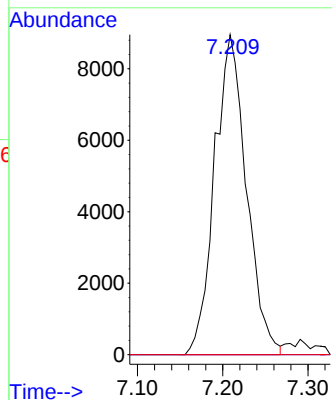
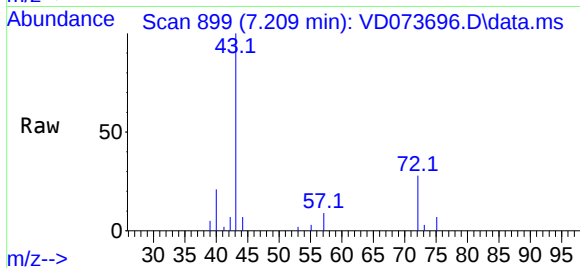
Tgt Ion: 43 Resp: 23256

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 9.9 14.9#



#38

Carbon Tetrachloride

Concen: 4.412 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073696.D

Acq: 24 Jun 2022 19:24

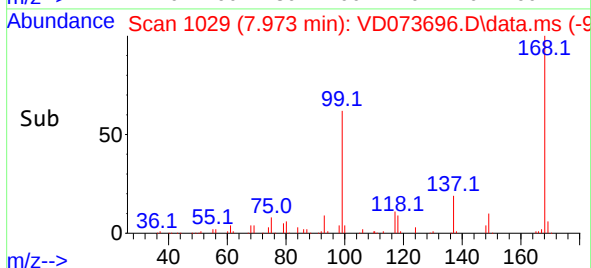
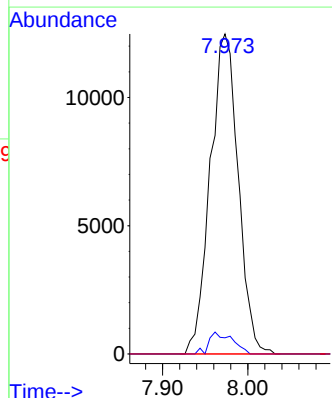
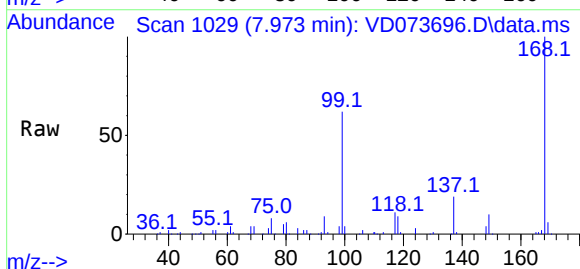
Tgt Ion: 117 Resp: 28456

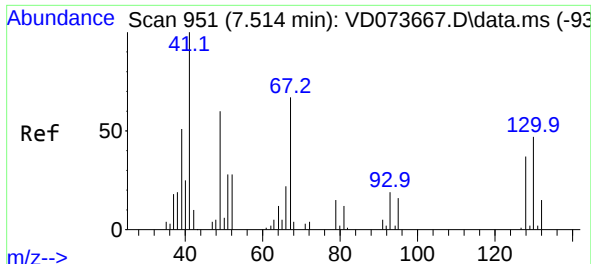
Ion Ratio Lower Upper

117 100

119 5.0 79.2 118.8#

121 0.0 23.8 35.8#

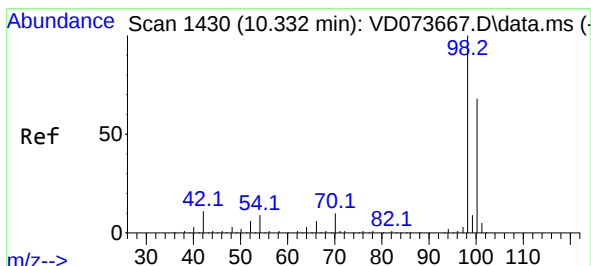
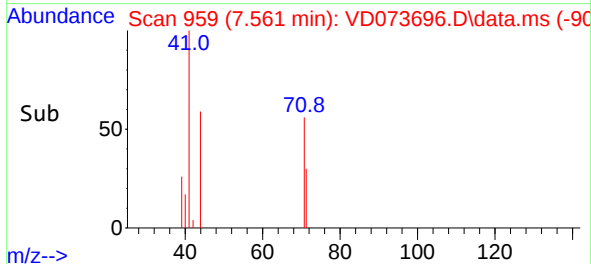
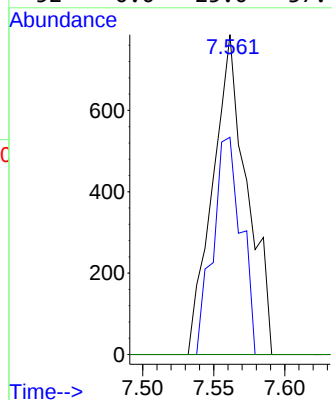
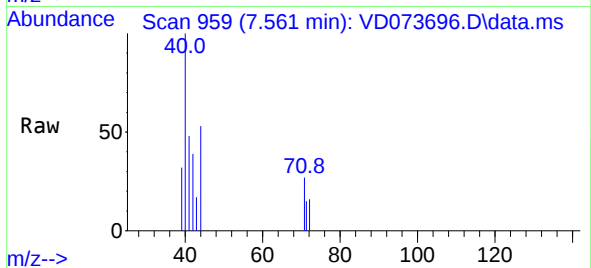




#41
Methacrylonitrile
Concen: 1.006 ug/l
RT: 7.561 min Scan# 91
Delta R.T. 0.047 min
Lab File: VD073696.D
Acq: 24 Jun 2022 19:24

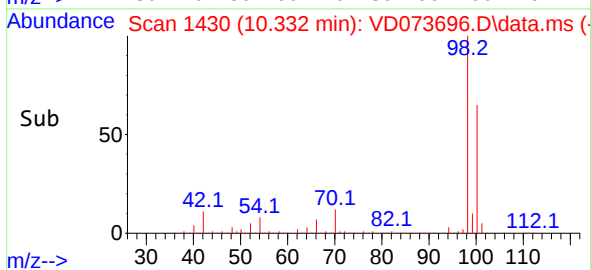
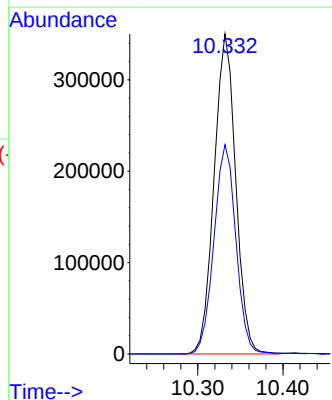
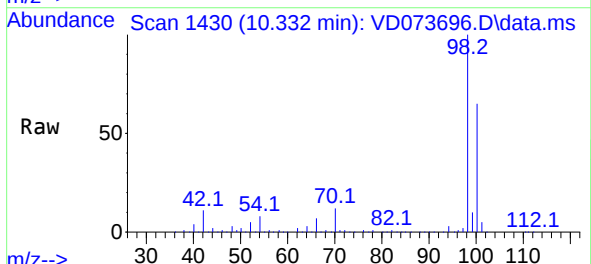
Instrument :
MSVOA_D
ClientSampleId :
D-46-LC

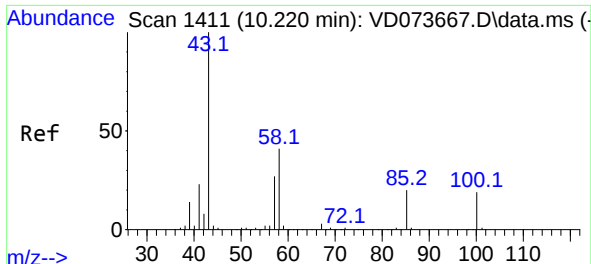
Tgt Ion: 41	Resp: 1321
Ion Ratio	Lower Upper
41	100
39	55.9 42.1 63.1
67	0.0 58.6 87.8#
52	0.0 25.0 37.4#



#50
Toluene-d8
Concen: 43.565 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073696.D
Acq: 24 Jun 2022 19:24

Tgt Ion: 98	Resp: 617253
Ion Ratio	Lower Upper
98	100
100	66.5 54.0 81.0

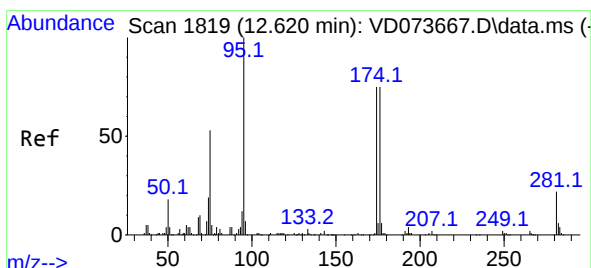
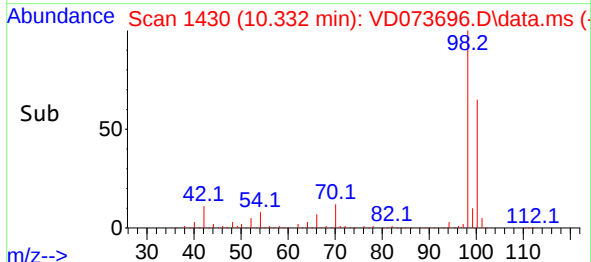
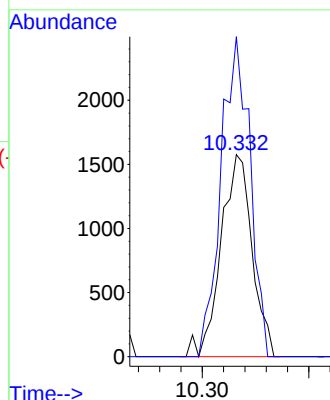
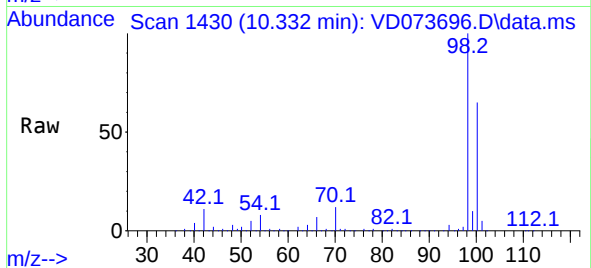




#51
4-Methyl-2-Pentanone
Concen: 1.454 ug/l
RT: 10.332 min Scan# 1411
Delta R.T. 0.112 min
Lab File: VD073696.D
Acq: 24 Jun 2022 19:24

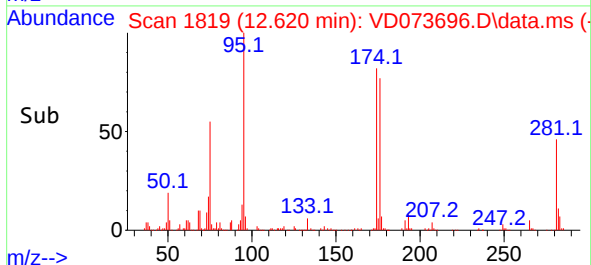
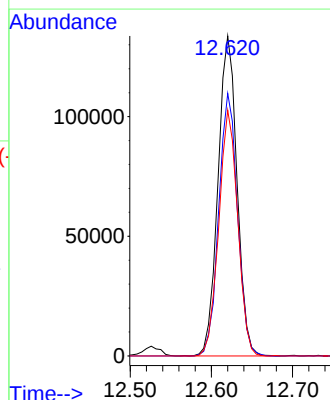
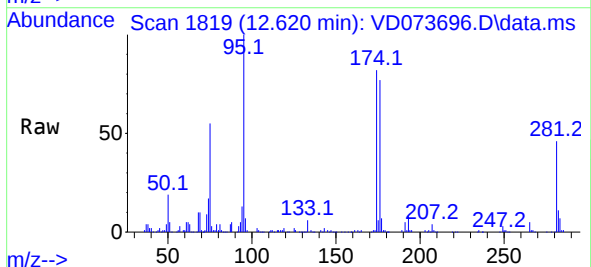
Instrument :
MSVOA_D
ClientSampleId :
D-46-LC

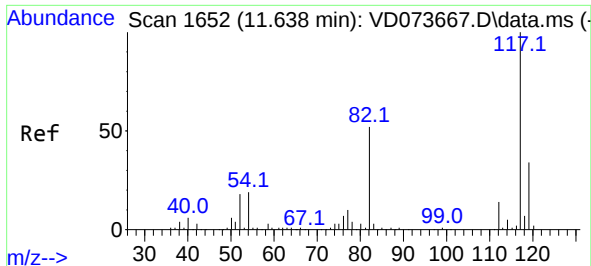
Tgt Ion: 43 Resp: 3187
Ion Ratio Lower Upper
43 100
58 147.2 32.3 48.5#



#62
4-Bromofluorobenzene
Concen: 41.017 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073696.D
Acq: 24 Jun 2022 19:24

Tgt Ion: 95 Resp: 217967
Ion Ratio Lower Upper
95 100
174 81.1 0.0 158.4
176 76.2 0.0 154.8

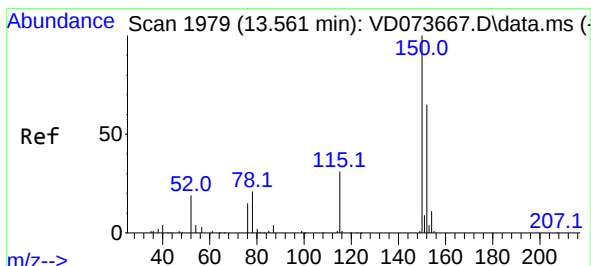
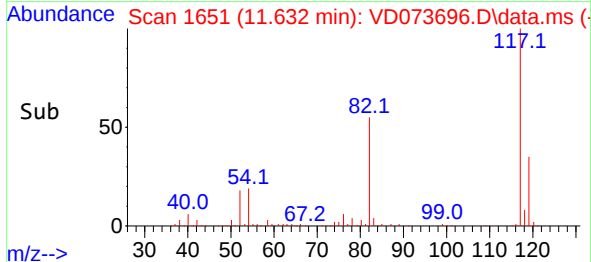
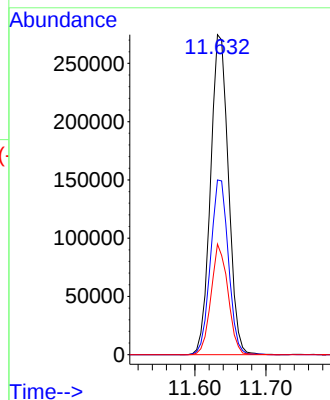
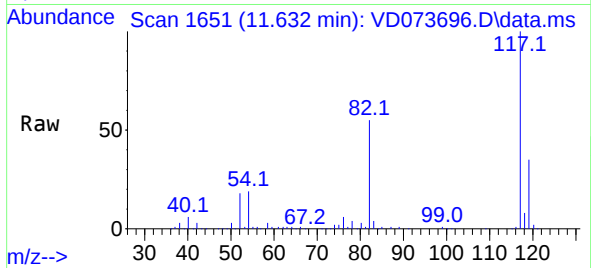




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 117
Delta R.T. -0.006 min
Lab File: VD073696.D
Acq: 24 Jun 2022 19:24

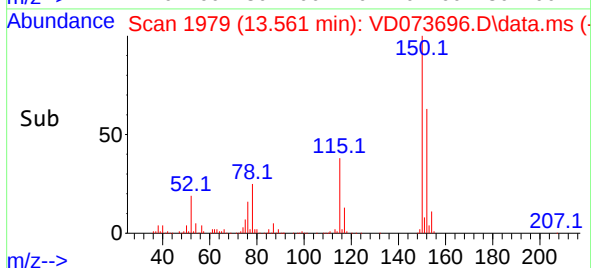
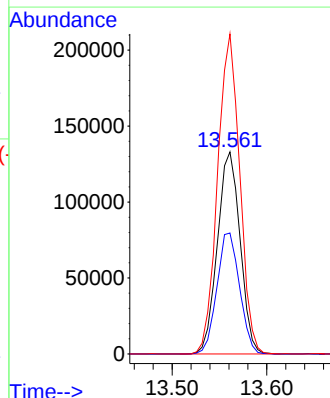
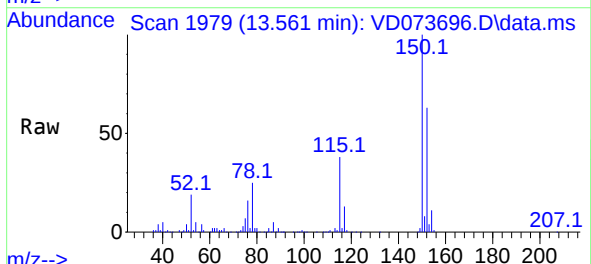
Instrument :
MSVOA_D
ClientSampleId :
D-46-LC

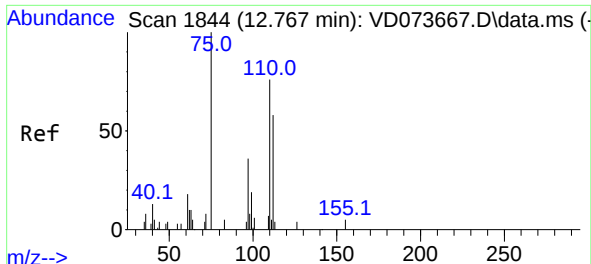
Tgt Ion:117 Resp: 479670
Ion Ratio Lower Upper
117 100
82 54.6 41.5 62.3
119 34.6 27.1 40.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073696.D
Acq: 24 Jun 2022 19:24

Tgt Ion:152 Resp: 221705
Ion Ratio Lower Upper
152 100
115 59.8 30.6 91.6
150 154.5 0.0 355.0

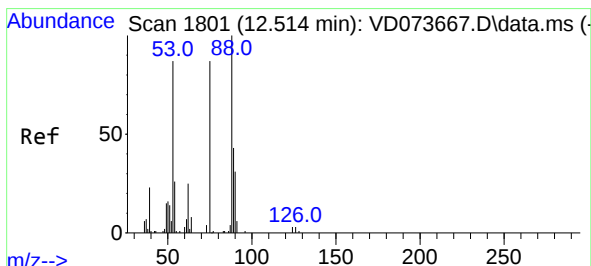
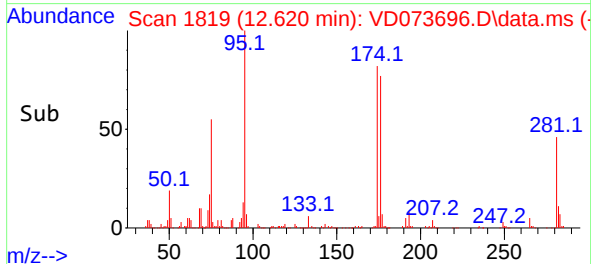
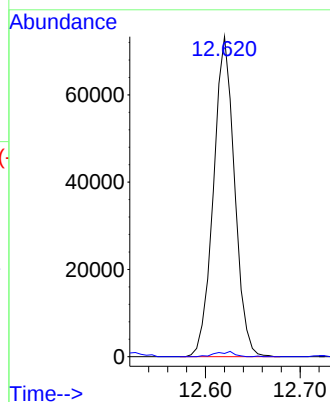
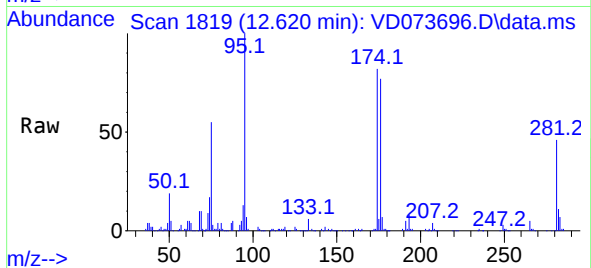




#76
1,2,3-Trichloropropane
Concen: 52.502 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073696.D
Acq: 24 Jun 2022 19:24

Instrument :
MSVOA_D
ClientSampleId :
D-46-LC

Tgt Ion: 75 Resp: 113275
Ion Ratio Lower Upper
75 100
77 1.4 195.3 586.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.187 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073696.D
Acq: 24 Jun 2022 19:24

Tgt Ion: 75 Resp: 113275
Ion Ratio Lower Upper
75 100
53 0.1 77.0 115.6#
89 0.7 37.8 56.8#

