

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062522\
 Data File : VD073707.D
 Acq On : 25 Jun 2022 14:02
 Operator : VA/SY
 Sample : N3502-07
 Misc : 3.42G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 D-44-UC

Quant Time: Jun 27 09:37:04 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)

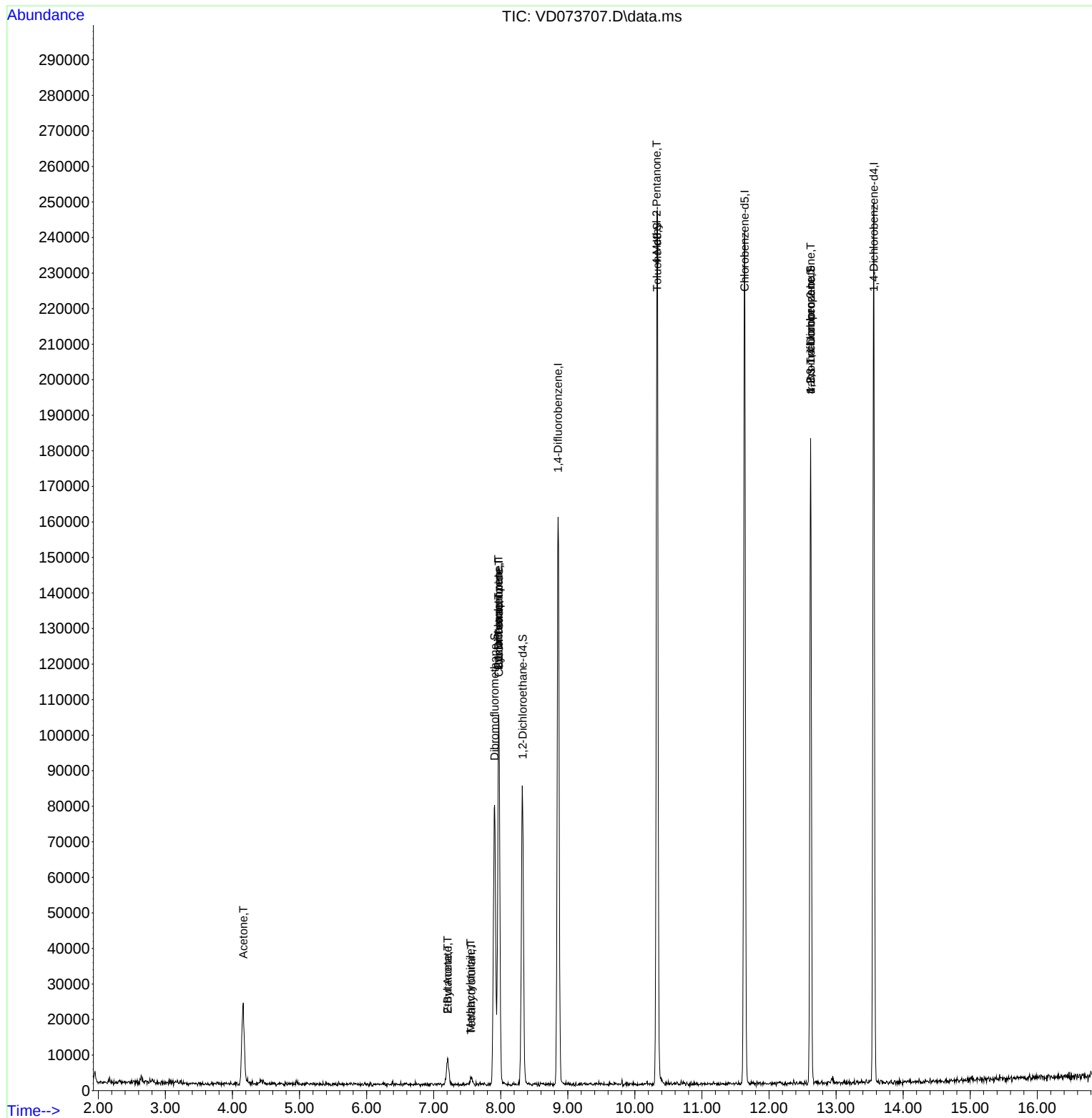
Internal Standards						
1) Pentafluorobenzene	7.967	168	73002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	138555	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	144347	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	66695	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	68573	76.479	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 152.960%	
35) Dibromofluoromethane	7.908	113	58343	54.054	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.100%	
50) Toluene-d8	10.332	98	170884	44.094	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 88.180%	
62) 4-Bromofluorobenzene	12.620	95	58813	40.462	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 80.920%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.979	85	56	Below Cal	#	44
3) Chloromethane	2.209	50	318	Below Cal	#	40
5) Bromomethane	2.773	94	289	Below Cal	#	67
11) Tert butyl alcohol	5.173	59	58	Below Cal	#	100
16) Acetone	4.162	43	37952	263.472	ug/l	97
18) Methyl Acetate	4.715	43	124	Below Cal	#	50
20) Methylene Chloride	4.950	84	642	Below Cal	#	52
25) 2-Butanone	7.208	43	10798	47.788	ug/l	# 88
29) Tetrahydrofuran	7.561	42	1478	10.760	ug/l	# 86
31) Cyclohexane	7.967	56	1850	1.375	ug/l	# 27
36) 1,1-Dichloropropene	7.967	75	6217	4.103	ug/l	# 42
37) Ethyl Acetate	7.208	43	10798	18.158	ug/l	# 68
38) Carbon Tetrachloride	7.973	117	8203	4.650	ug/l	# 17
41) Methacrylonitrile	7.550	41	556	1.549	ug/l	# 40
51) 4-Methyl-2-Pentanone	10.326	43	691	1.152	ug/l	# 1
76) 1,2,3-Trichloropropane	12.620	75	30560	47.085	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.620	75	30560	96.127	ug/l	# 11

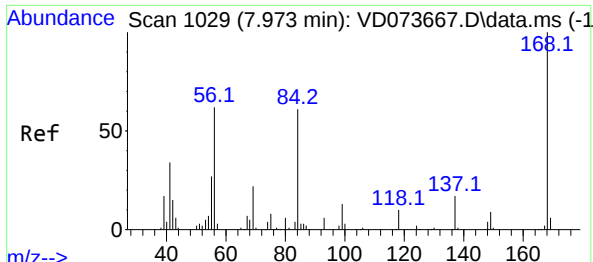
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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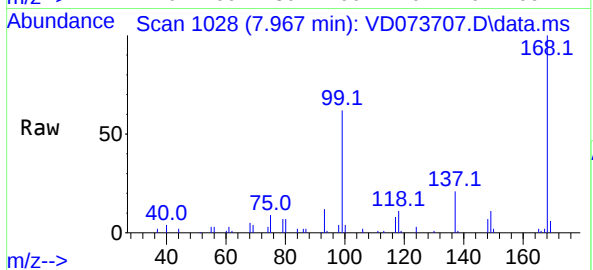
Quant Time: Jun 27 09:37:04 2022
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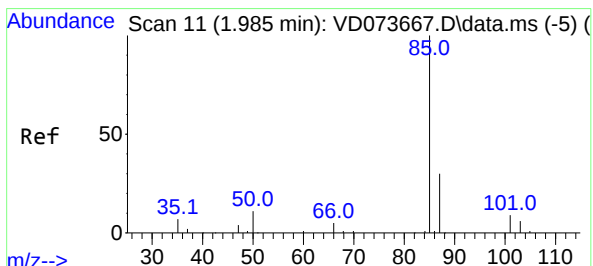
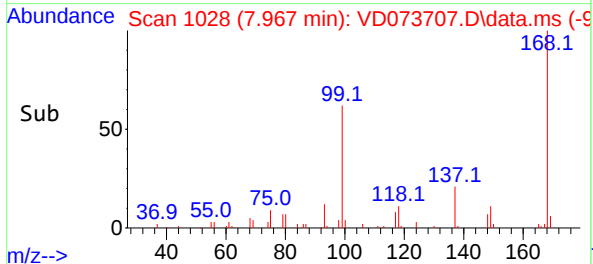
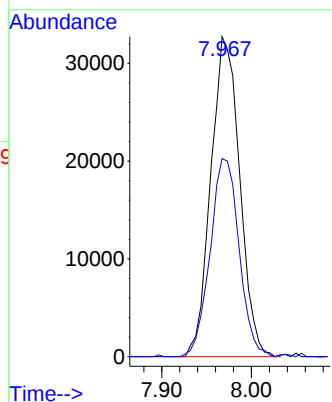


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD073707.D
Acq: 25 Jun 2022 14:02

Instrument :
MSVOA_D
ClientSampleId :
D-44-UC

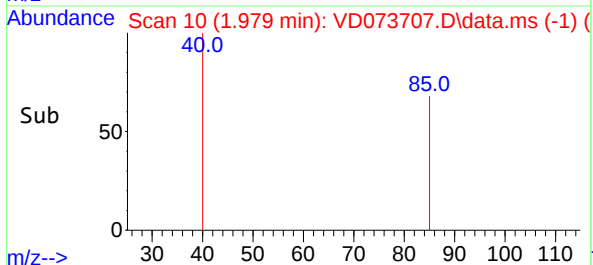
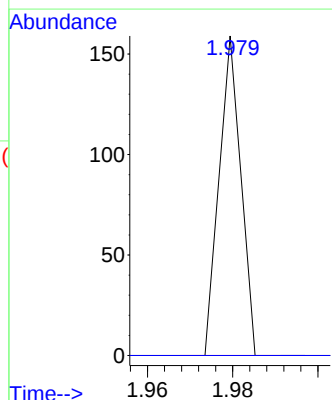
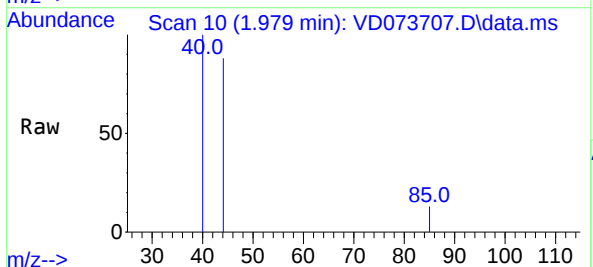


Tgt Ion:168 Resp: 73002
Ion Ratio Lower Upper
168 100
99 61.9 46.4 69.6

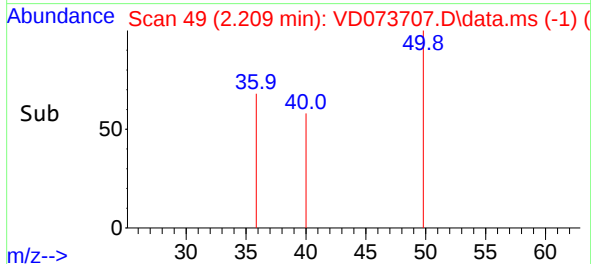
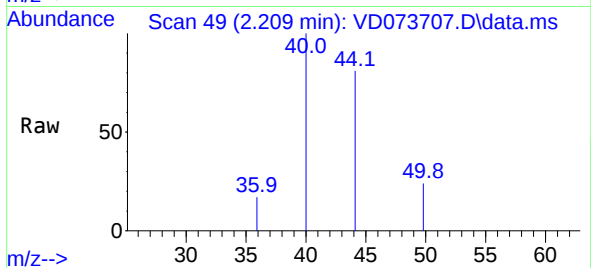
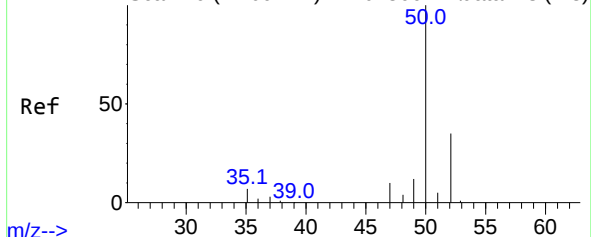


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.979 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD073707.D
Acq: 25 Jun 2022 14:02

Tgt Ion: 85 Resp: 56
Ion Ratio Lower Upper
85 100
87 0.0 15.2 45.5#



Abundance Scan 49 (2.209 min): VD073667.D\data.ms (-43)



#3

Chloromethane

Concen: Below Cal

RT: 2.209 min Scan# 49

Delta R.T. -0.000 min

Lab File: VD073707.D

Acq: 25 Jun 2022 14:02

Instrument :

MSVOA_D

ClientSampleId :

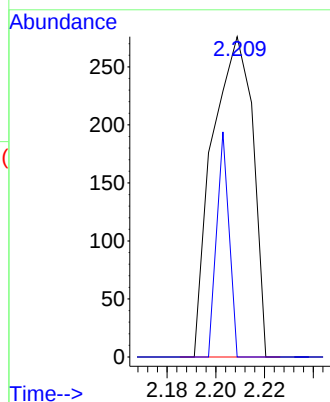
D-44-UC

Tgt Ion: 50 Resp: 318

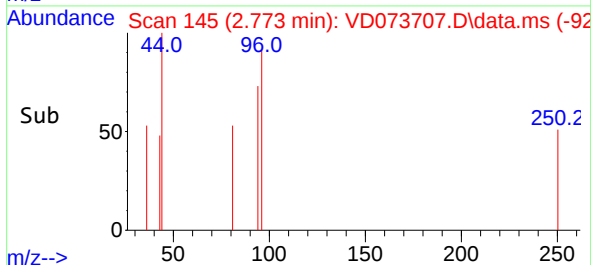
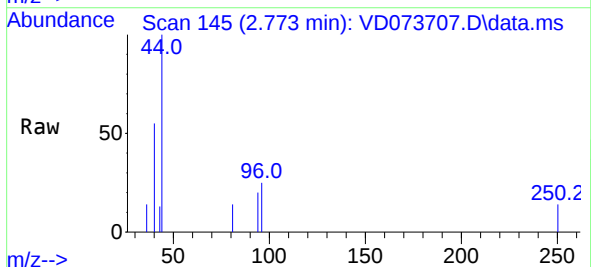
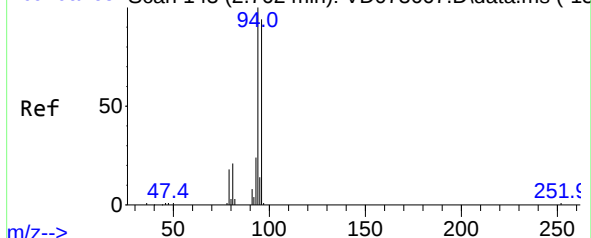
Ion Ratio Lower Upper

50 100

52 0.0 27.8 41.6#



Abundance Scan 143 (2.762 min): VD073667.D\data.ms (-13)



#5

Bromomethane

Concen: Below Cal

RT: 2.773 min Scan# 145

Delta R.T. 0.011 min

Lab File: VD073707.D

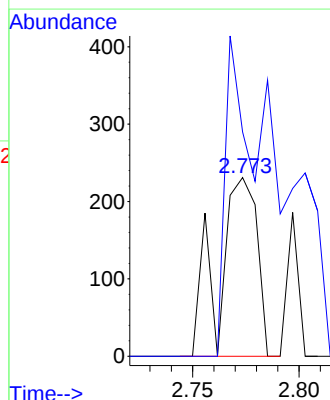
Acq: 25 Jun 2022 14:02

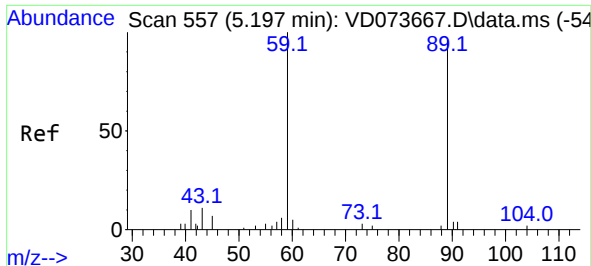
Tgt Ion: 94 Resp: 289

Ion Ratio Lower Upper

94 100

96 125.5 75.1 112.7#

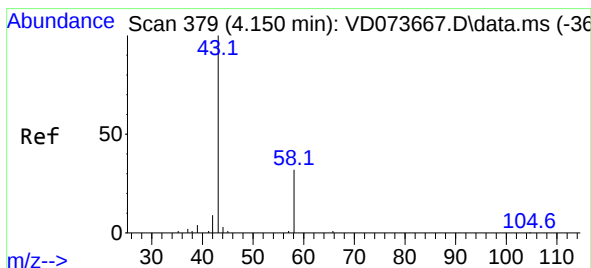
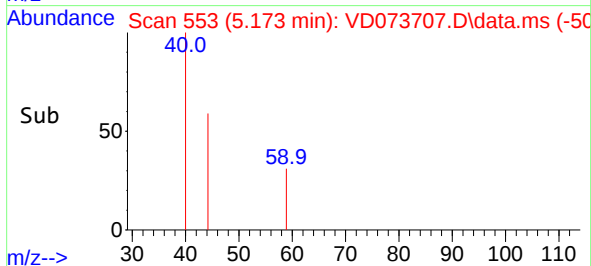
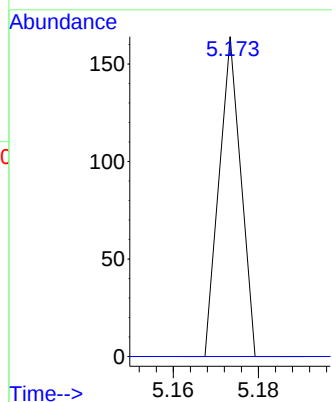
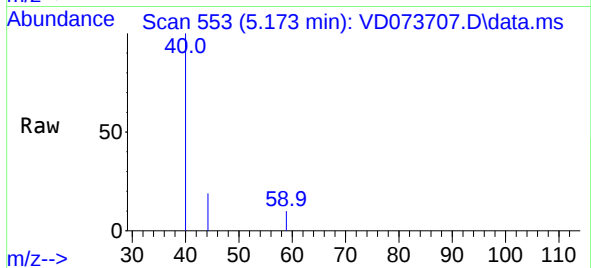




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.173 min Scan# 51
Delta R.T. -0.024 min
Lab File: VD073707.D
Acq: 25 Jun 2022 14:02

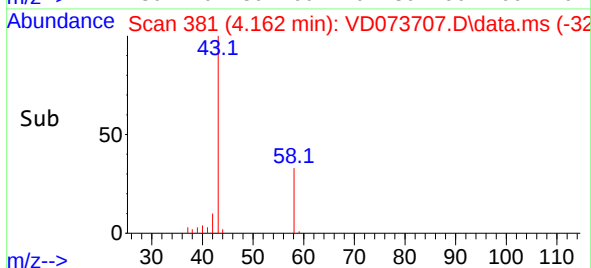
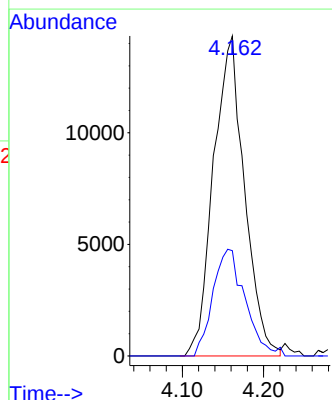
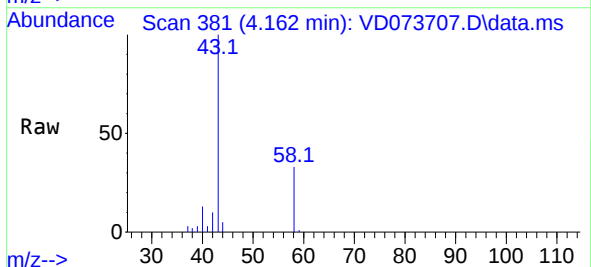
Instrument :
MSVOA_D
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D-44-UC

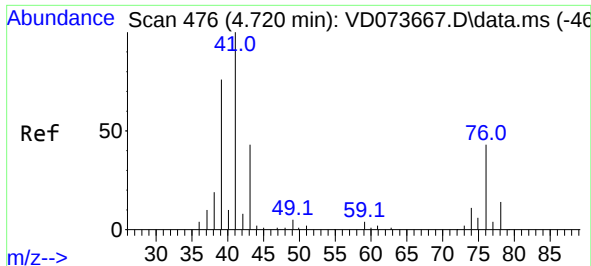
Tgt Ion: 59 Resp: 58
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 263.472 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.012 min
Lab File: VD073707.D
Acq: 25 Jun 2022 14:02

Tgt Ion: 43 Resp: 37952
Ion Ratio Lower Upper
43 100
58 32.9 25.2 37.8

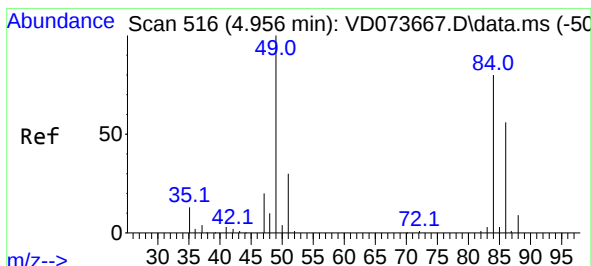
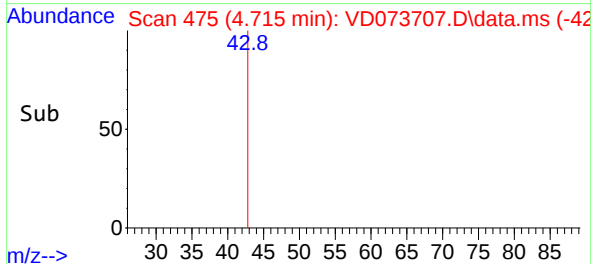
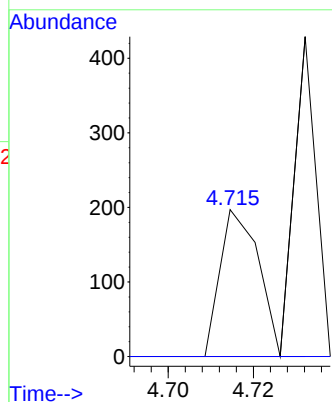
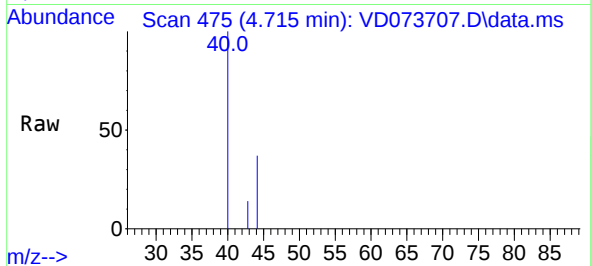




#18
Methyl Acetate
Concen: Below Cal
RT: 4.715 min Scan# 41
Delta R.T. -0.005 min
Lab File: VD073707.D
Acq: 25 Jun 2022 14:02

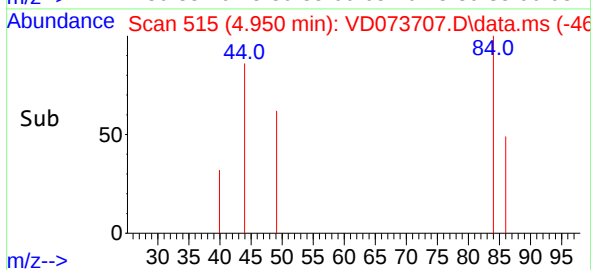
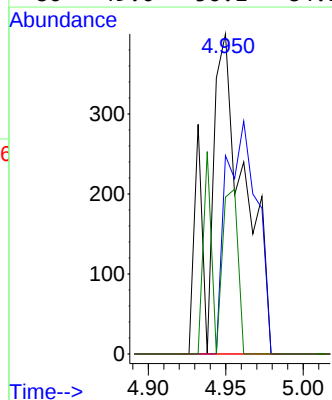
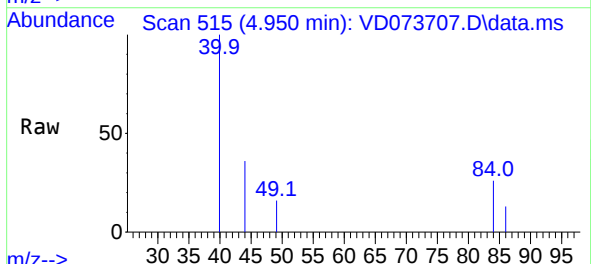
Instrument :
MSVOA_D
ClientSampleId :
D-44-UC

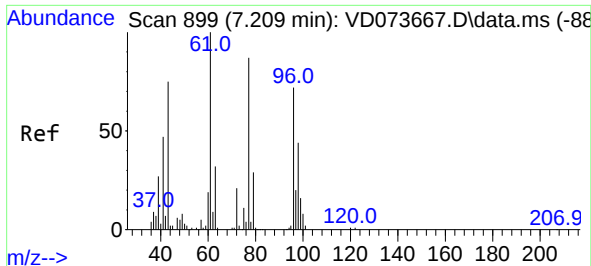
Tgt Ion: 43 Resp: 124
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.006 min
Lab File: VD073707.D
Acq: 25 Jun 2022 14:02

Tgt Ion: 84 Resp: 642
Ion Ratio Lower Upper
84 100
49 62.0 100.6 150.8#
51 0.0 29.8 44.6#
86 49.0 56.1 84.1#

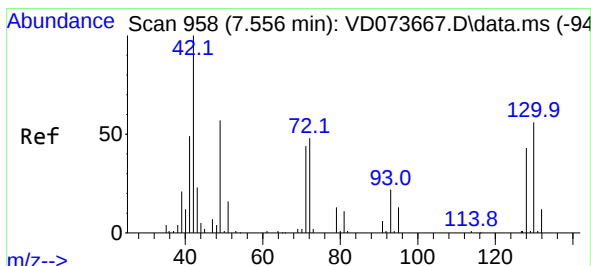
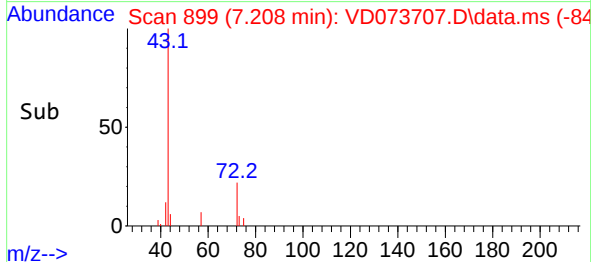
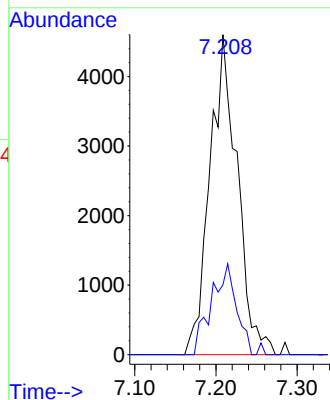
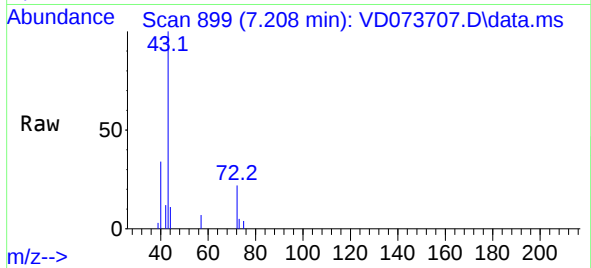




#25
2-Butanone
Concen: 47.788 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD073707.D
Acq: 25 Jun 2022 14:02

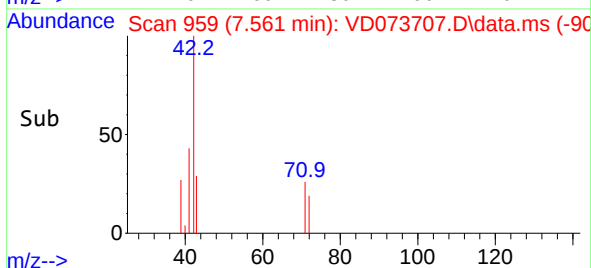
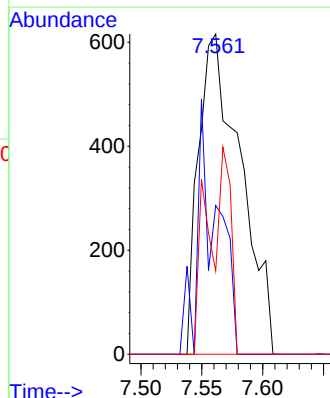
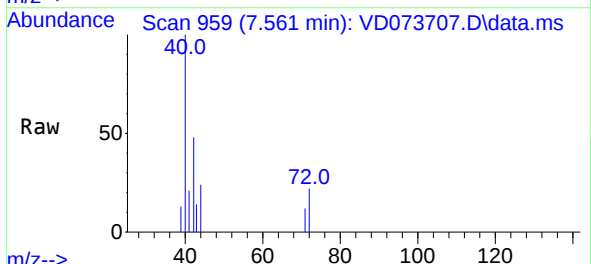
Instrument :
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D-44-UC

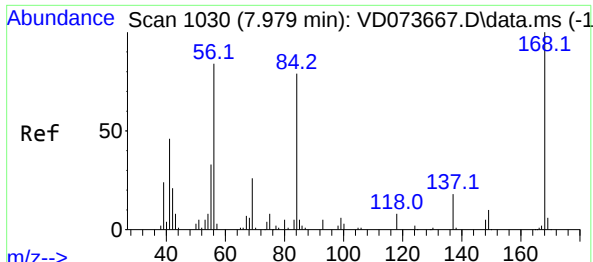
Tgt Ion: 43 Resp: 10798
Ion Ratio Lower Upper
43 100
72 21.8 22.6 33.8#



#29
Tetrahydrofuran
Concen: 10.760 ug/l
RT: 7.561 min Scan# 959
Delta R.T. 0.006 min
Lab File: VD073707.D
Acq: 25 Jun 2022 14:02

Tgt Ion: 42 Resp: 1478
Ion Ratio Lower Upper
42 100
72 38.1 37.8 56.6
71 34.7 35.5 53.3#

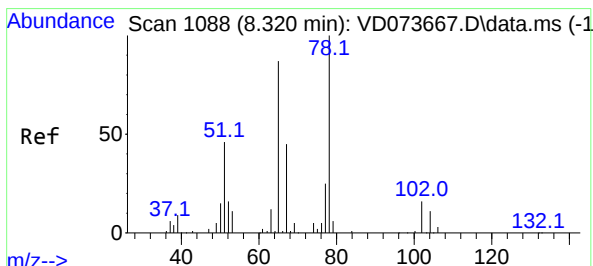
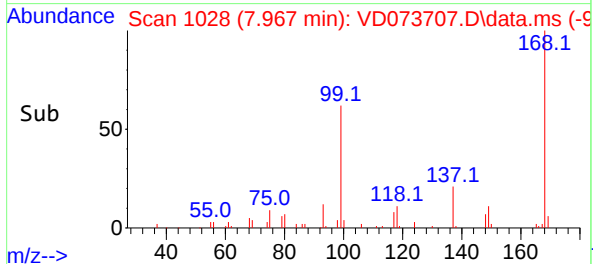
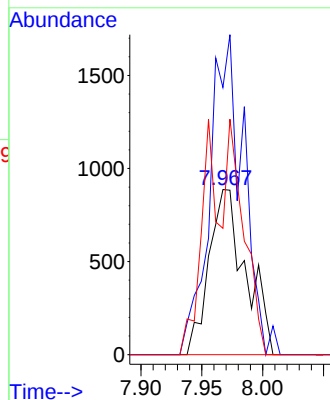
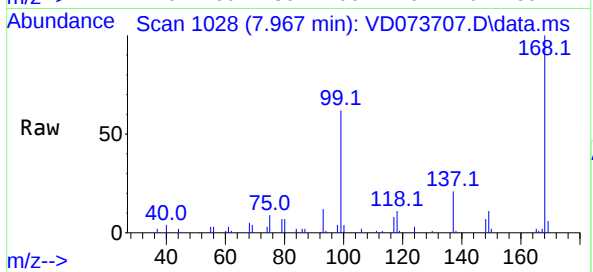




#31
Cyclohexane
Concen: 1.375 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD073707.D
Acq: 25 Jun 2022 14:02

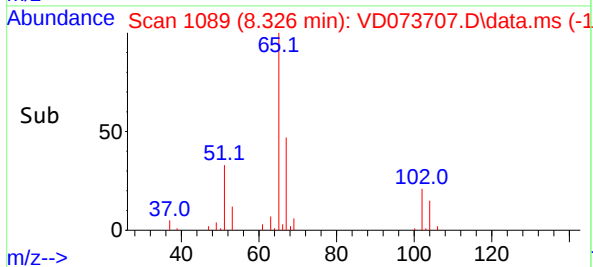
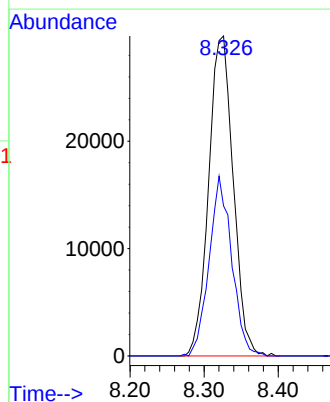
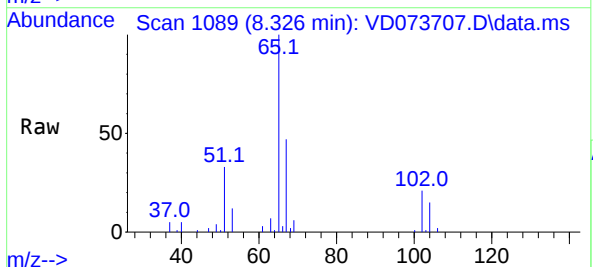
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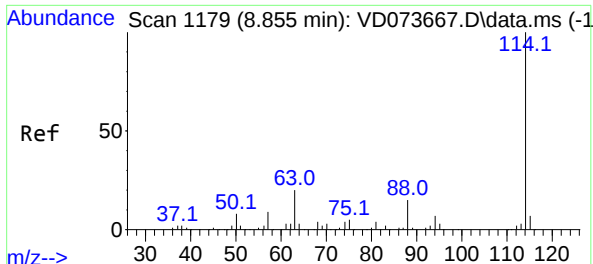
Tgt Ion: 56 Resp: 1850
Ion Ratio Lower Upper
56 100
69 161.8 25.2 37.8#
84 76.6 75.4 113.2



#33
1,2-Dichloroethane-d4
Concen: 76.479 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VD073707.D
Acq: 25 Jun 2022 14:02

Tgt Ion: 65 Resp: 68573
Ion Ratio Lower Upper
65 100
67 51.9 0.0 107.2



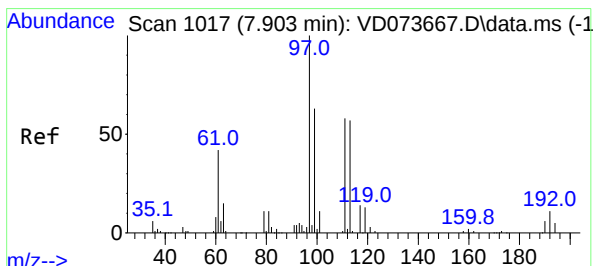
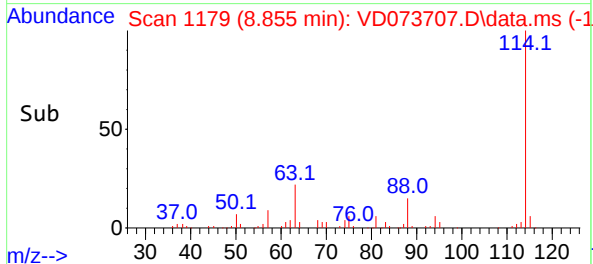
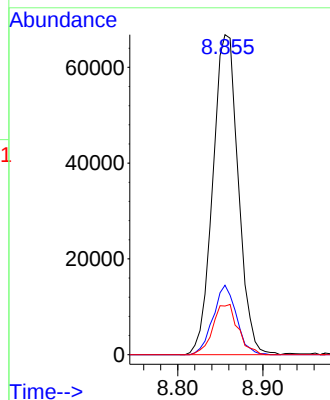
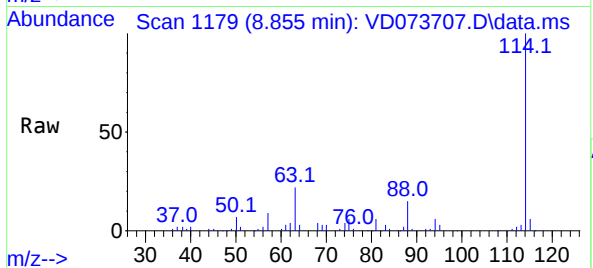


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VD073707.D
Acq: 25 Jun 2022 14:02

Instrument :
MSVOA_D
ClientSampleId :
D-44-UC

Tgt Ion:114 Resp: 138555

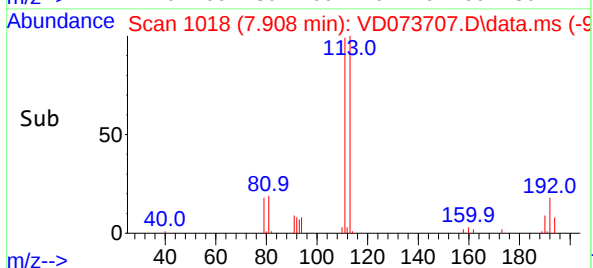
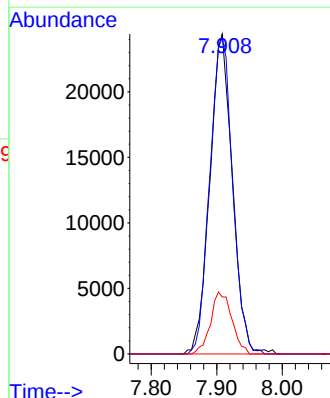
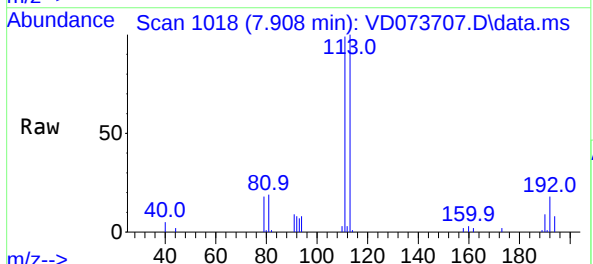
Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	39.2
88	15.2	0.0	29.4

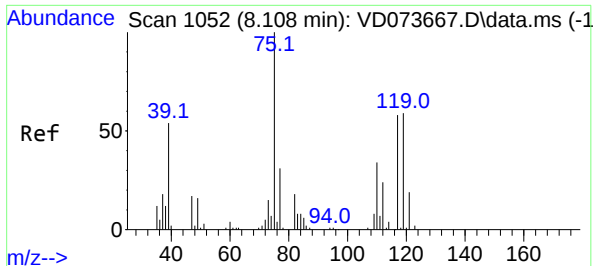


#35
Dibromofluoromethane
Concen: 54.054 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. 0.006 min
Lab File: VD073707.D
Acq: 25 Jun 2022 14:02

Tgt Ion:113 Resp: 58343

Ion	Ratio	Lower	Upper
113	100		
111	99.9	81.8	122.6
192	18.3	14.8	22.2

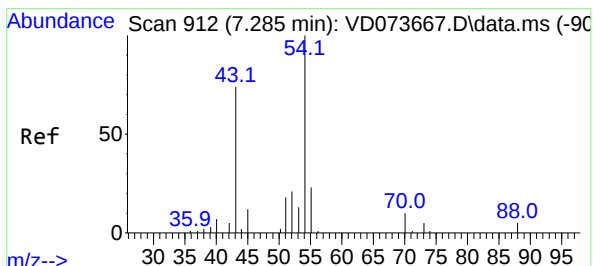
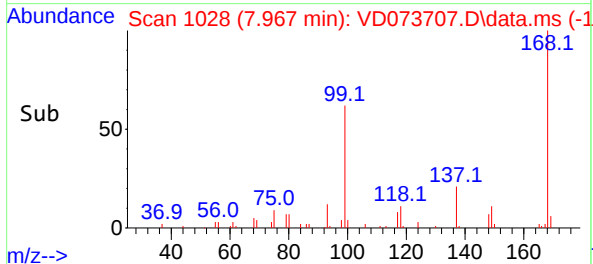
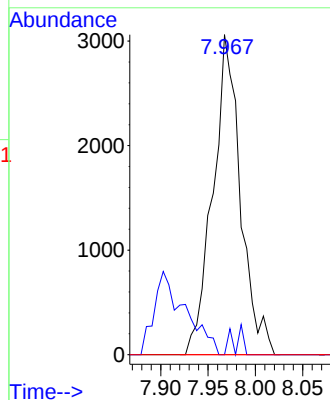
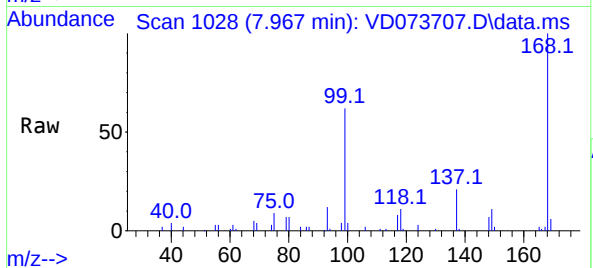




#36
1,1-Dichloropropene
Concen: 4.103 ug/l
RT: 7.967 min Scan# 1052
Delta R.T. -0.141 min
Lab File: VD073707.D
Acq: 25 Jun 2022 14:02

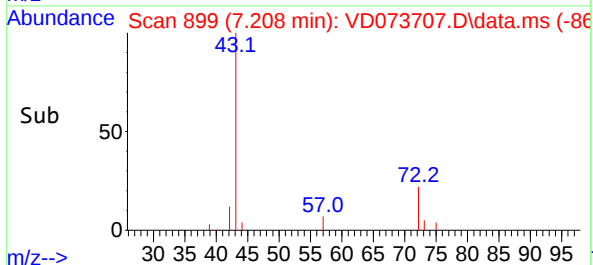
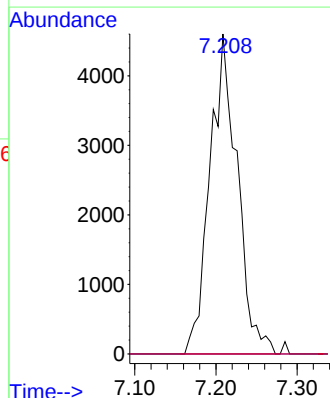
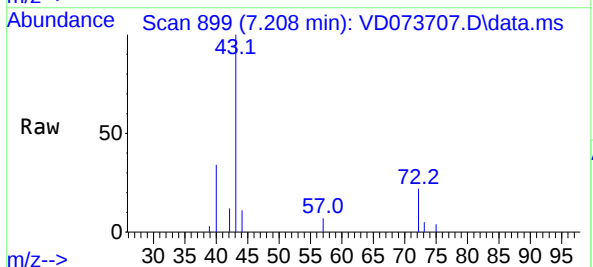
Instrument :
MSVOA_D
ClientSampleId :
D-44-UC

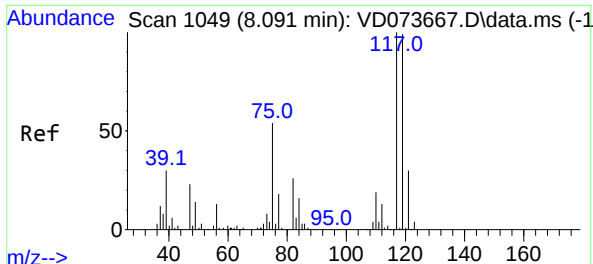
Tgt Ion: 75 Resp: 6217
Ion Ratio Lower Upper
75 100
110 1.4 18.0 54.0#
77 0.0 25.6 38.4#



#37
Ethyl Acetate
Concen: 18.158 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.076 min
Lab File: VD073707.D
Acq: 25 Jun 2022 14:02

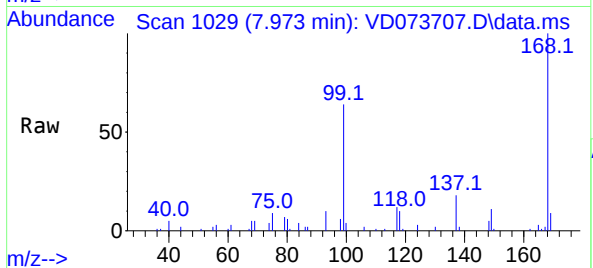
Tgt Ion: 43 Resp: 10798
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 9.9 14.9#



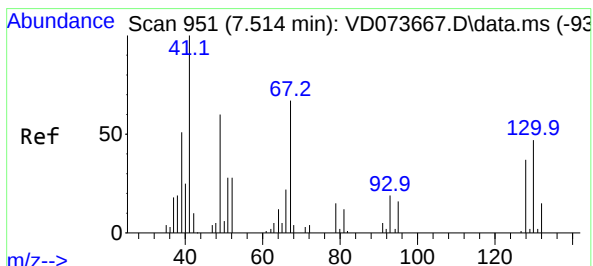
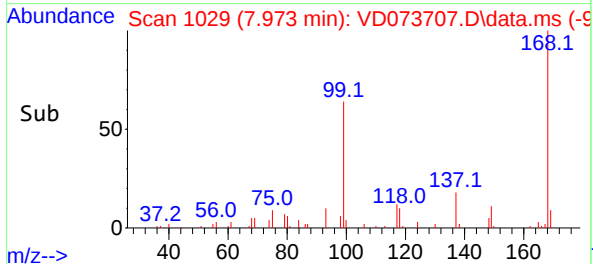
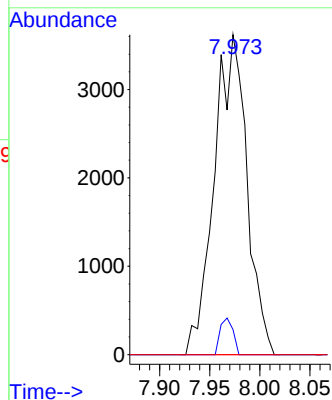


#38
Carbon Tetrachloride
Concen: 4.650 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073707.D
Acq: 25 Jun 2022 14:02

Instrument :
MSVOA_D
ClientSampleId :
D-44-UC

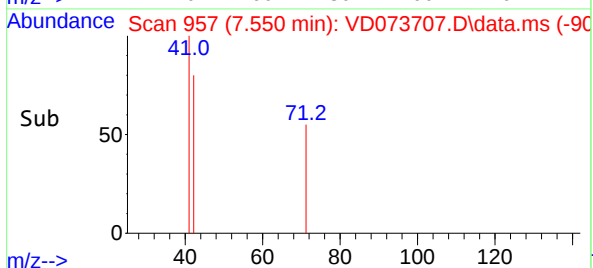
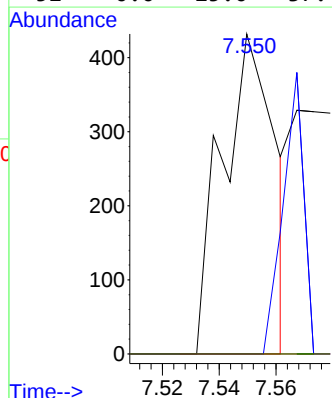
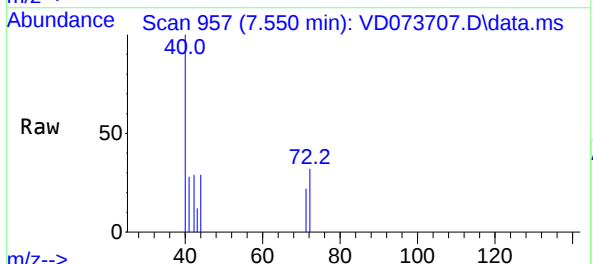


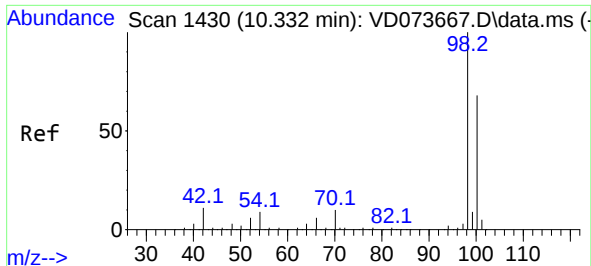
Tgt Ion:117 Resp: 8203
Ion Ratio Lower Upper
117 100
119 7.8 79.2 118.8#
121 0.0 23.8 35.8#



#41
Methacrylonitrile
Concen: 1.549 ug/l
RT: 7.550 min Scan# 957
Delta R.T. 0.035 min
Lab File: VD073707.D
Acq: 25 Jun 2022 14:02

Tgt Ion: 41 Resp: 556
Ion Ratio Lower Upper
41 100
39 34.5 42.1 63.1#
67 0.0 58.6 87.8#
52 0.0 25.0 37.4#

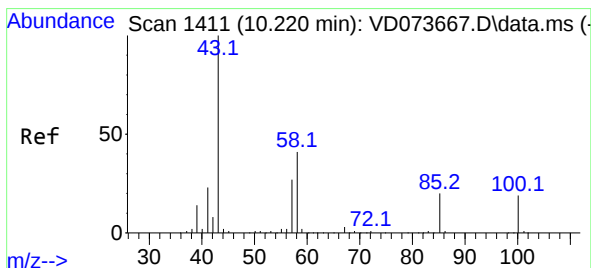
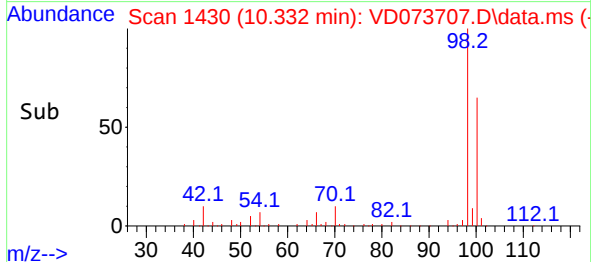
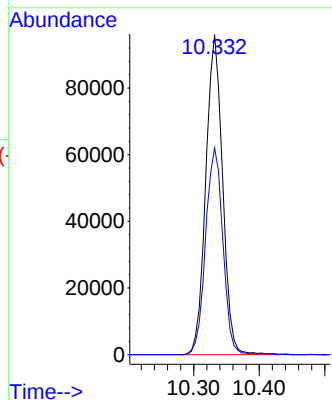
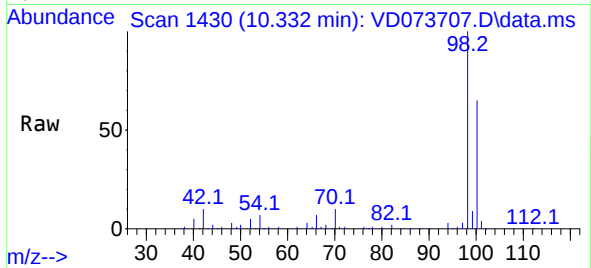




#50
Toluene-d8
Concen: 44.094 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073707.D
Acq: 25 Jun 2022 14:02

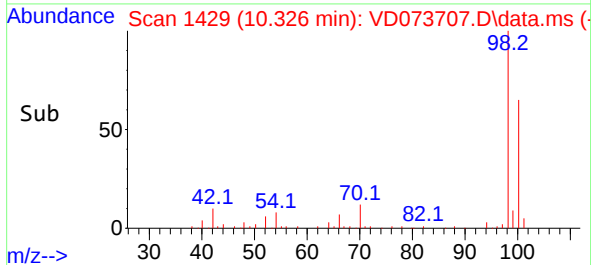
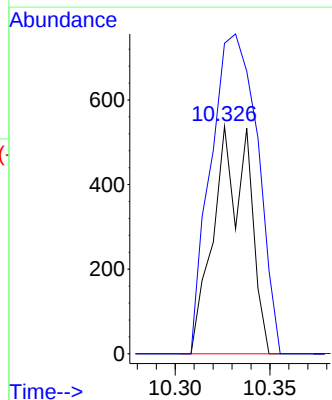
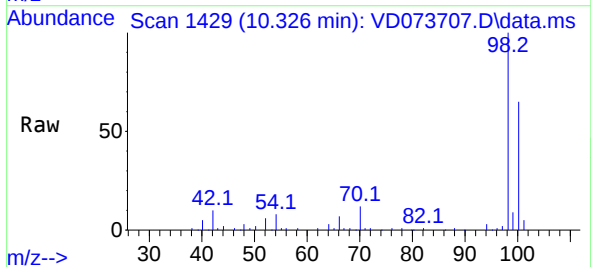
Instrument :
MSVOA_D
ClientSampleId :
D-44-UC

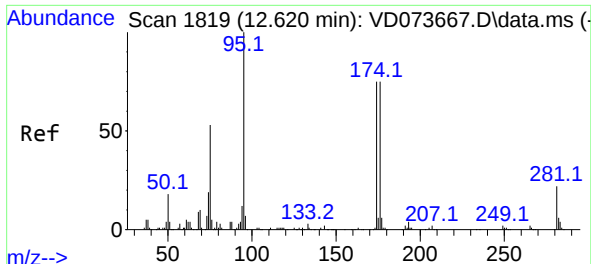
Tgt Ion: 98 Resp: 170884
Ion Ratio Lower Upper
98 100
100 66.4 54.0 81.0



#51
4-Methyl-2-Pentanone
Concen: 1.152 ug/l
RT: 10.326 min Scan# 1429
Delta R.T. 0.106 min
Lab File: VD073707.D
Acq: 25 Jun 2022 14:02

Tgt Ion: 43 Resp: 691
Ion Ratio Lower Upper
43 100
58 187.4 32.3 48.5#

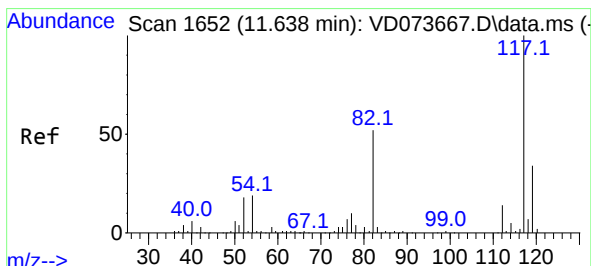
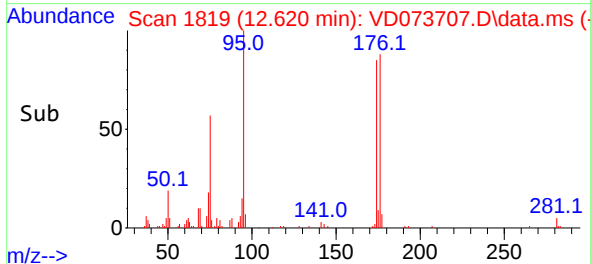
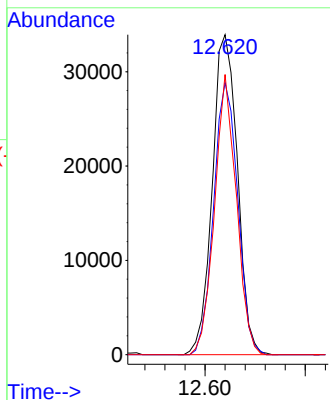
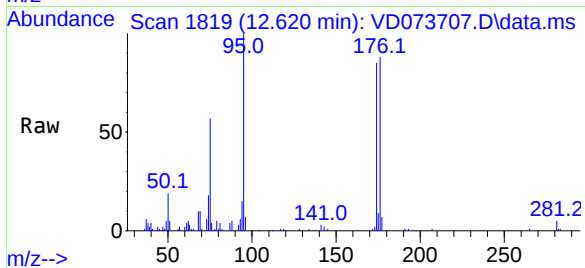




#62
4-Bromofluorobenzene
Concen: 40.462 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073707.D
Acq: 25 Jun 2022 14:02

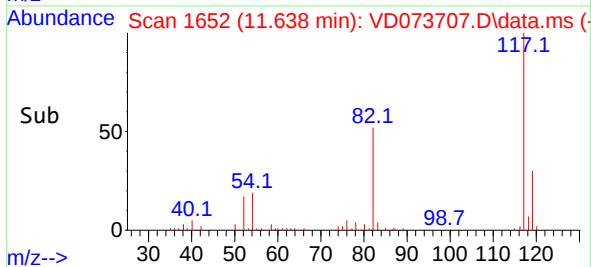
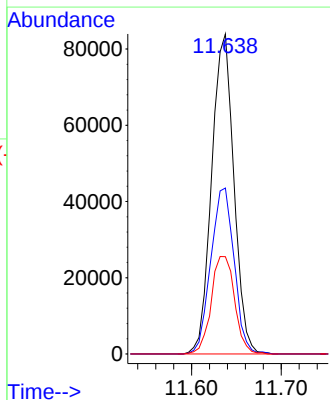
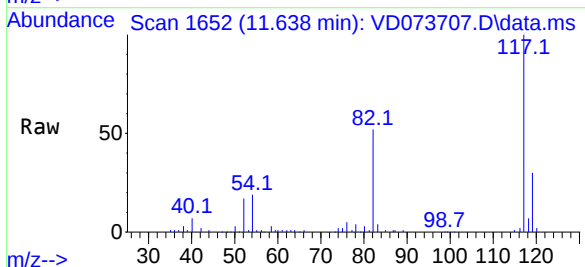
Instrument :
MSVOA_D
ClientSampleId :
D-44-UC

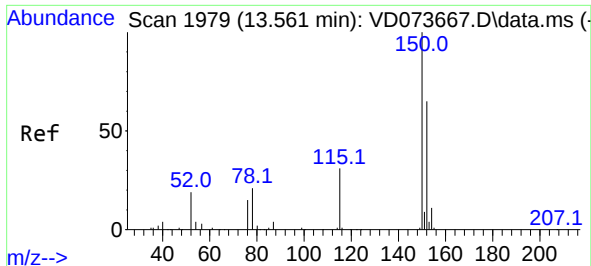
Tgt Ion: 95 Resp: 58813
Ion Ratio Lower Upper
95 100
174 81.9 0.0 158.4
176 76.2 0.0 154.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD073707.D
Acq: 25 Jun 2022 14:02

Tgt Ion: 117 Resp: 144347
Ion Ratio Lower Upper
117 100
82 51.8 41.5 62.3
119 30.4 27.1 40.7

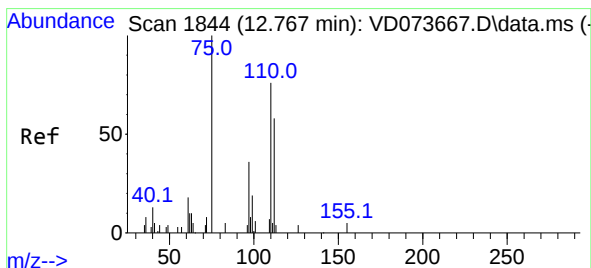
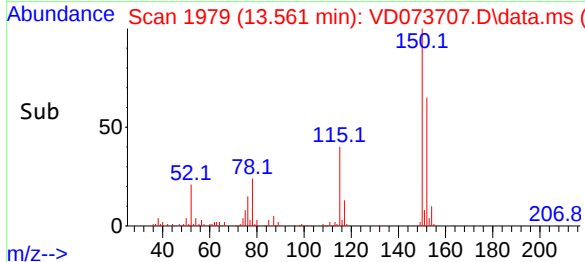
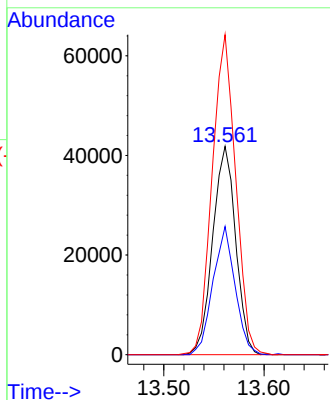
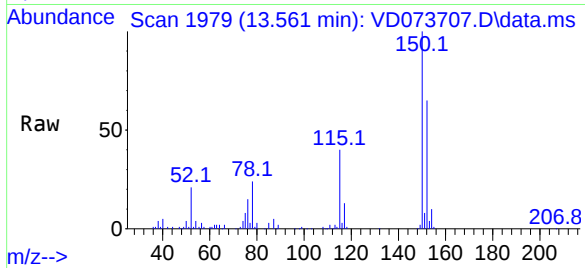




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073707.D
Acq: 25 Jun 2022 14:02

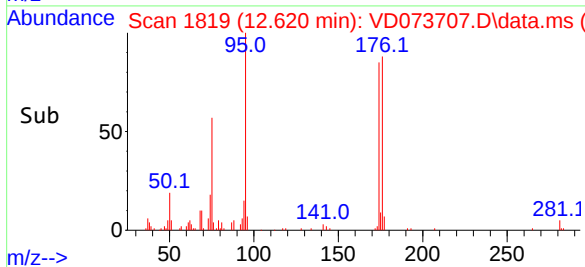
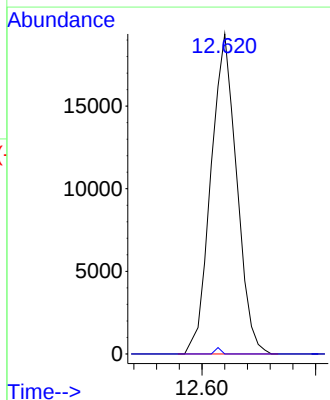
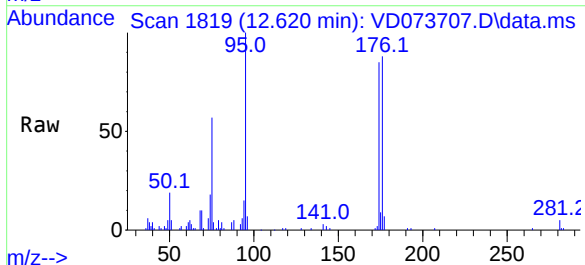
Instrument :
MSVOA_D
ClientSampleId :
D-44-UC

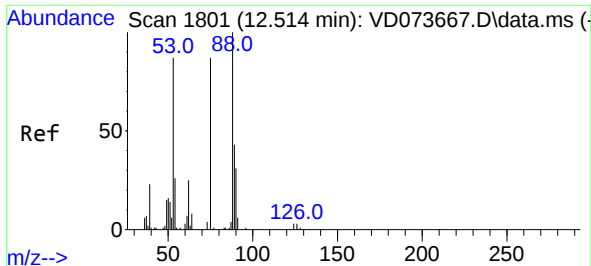
Tgt Ion:152 Resp: 66695
Ion Ratio Lower Upper
152 100
115 59.2 30.6 91.6
150 156.8 0.0 355.0



#76
1,2,3-Trichloropropane
Concen: 47.085 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073707.D
Acq: 25 Jun 2022 14:02

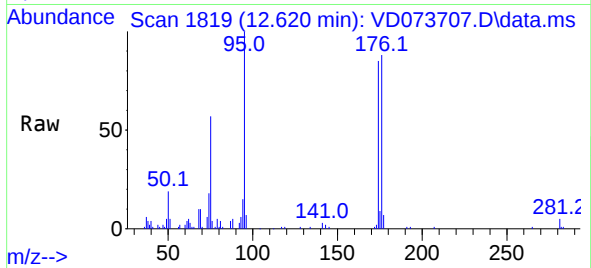
Tgt Ion: 75 Resp: 30560
Ion Ratio Lower Upper
75 100
77 0.5 195.3 586.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.127 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD073707.D
 Acq: 25 Jun 2022 14:02

Instrument :
 MSVOA_D
 ClientSampleId :
 D-44-UC



Tgt Ion: 75 Resp: 30560
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.0 115.6#
 89 0.0 37.8 56.8#

