

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062522\
 Data File : VD073705.D
 Acq On : 25 Jun 2022 13:03
 Operator : VA/SY
 Sample : N3502-05
 Misc : 5.28G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 D-43-UC

Quant Time: Jun 27 09:36:24 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)

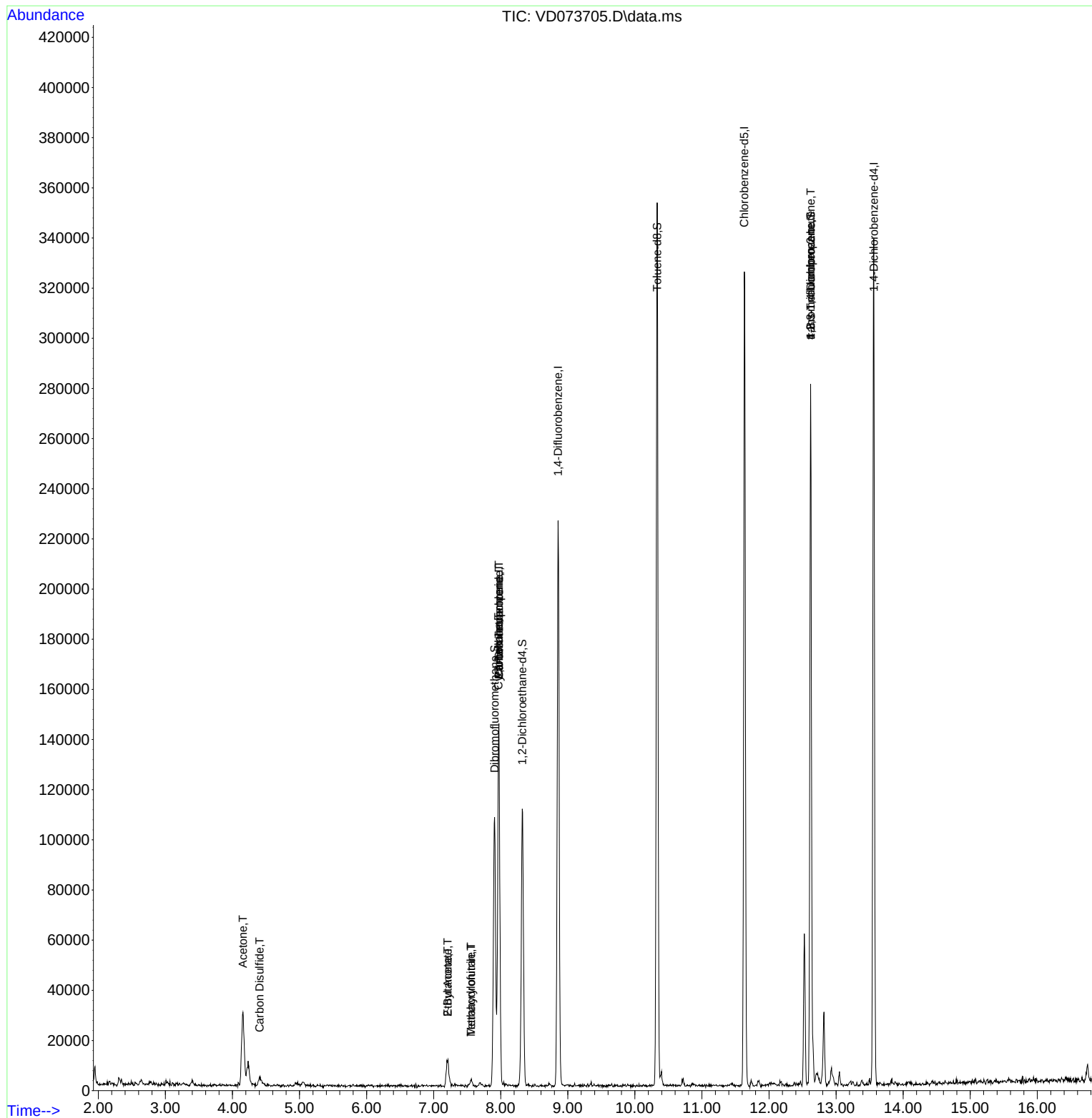
Internal Standards						
1) Pentafluorobenzene	7.973	168	103118	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	193035	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	196770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	92243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	87861	69.372	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 138.740%	
35) Dibromofluoromethane	7.909	113	76421	50.820	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.640%	
50) Toluene-d8	10.332	98	238032	44.086	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 88.180%	
62) 4-Bromofluorobenzene	12.620	95	87453	43.186	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 86.380%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.985	85	219	Below Cal	#	44
3) Chloromethane	2.203	50	670	Below Cal		90
5) Bromomethane	2.768	94	561	Below Cal		89
11) Tert butyl alcohol	5.197	59	79	Below Cal	#	100
16) Acetone	4.156	43	51690	253.766	ug/l	95
17) Carbon Disulfide	4.403	76	6374	2.384	ug/l #	92
18) Methyl Acetate	4.732	43	66	Below Cal	#	50
20) Methylene Chloride	4.962	84	1045	Below Cal	#	47
25) 2-Butanone	7.209	43	16809	52.664	ug/l	96
29) Tetrahydrofuran	7.556	42	2082	10.730	ug/l #	72
31) Cyclohexane	7.967	56	2962	1.559	ug/l #	14
36) 1,1-Dichloropropene	7.973	75	7672	3.634	ug/l #	52
37) Ethyl Acetate	7.209	43	16809	20.288	ug/l #	68
38) Carbon Tetrachloride	7.973	117	11434	4.652	ug/l #	14
41) Methacrylonitrile	7.556	41	1205	2.409	ug/l #	31
76) 1,2,3-Trichloropropane	12.620	75	43138	48.056	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	43138	98.109	ug/l #	11

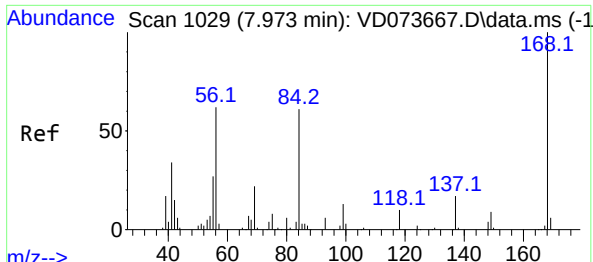
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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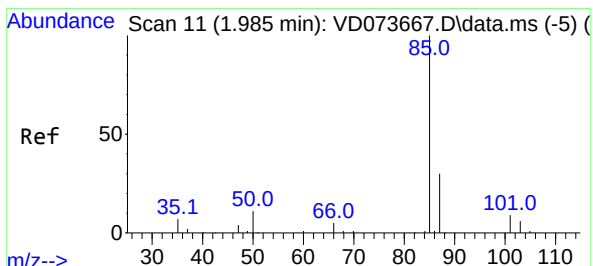
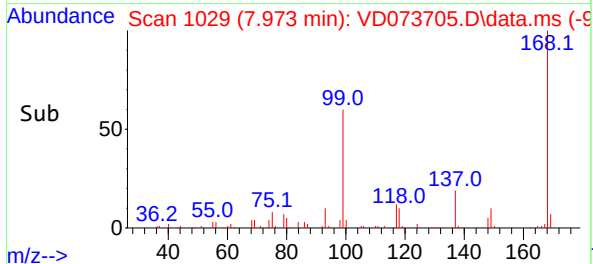
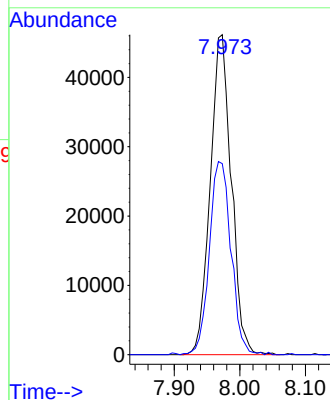
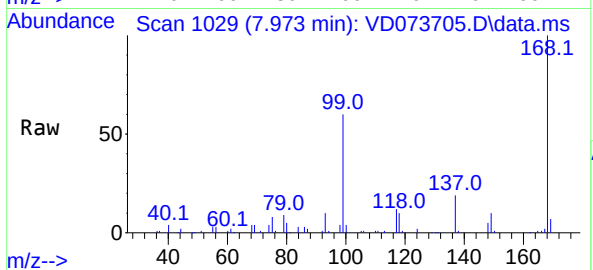




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073705.D
Acq: 25 Jun 2022 13:03

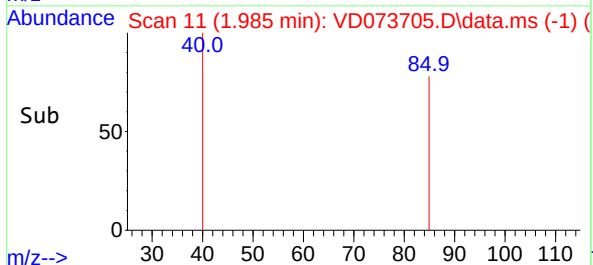
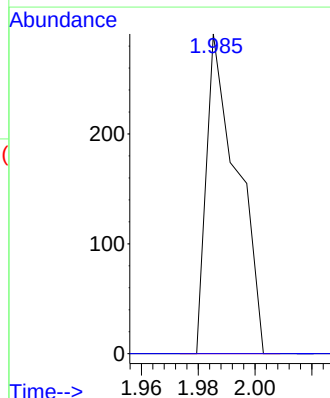
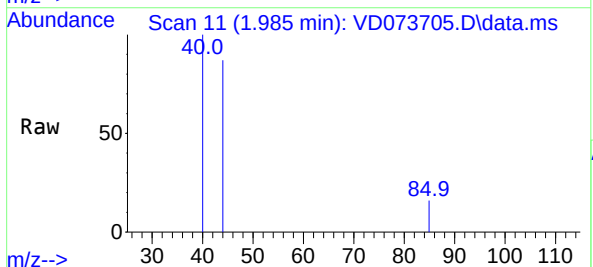
Instrument :
MSVOA_D
ClientSampleId :
D-43-UC

Tgt Ion:168 Resp: 103118
Ion Ratio Lower Upper
168 100
99 59.7 46.4 69.6

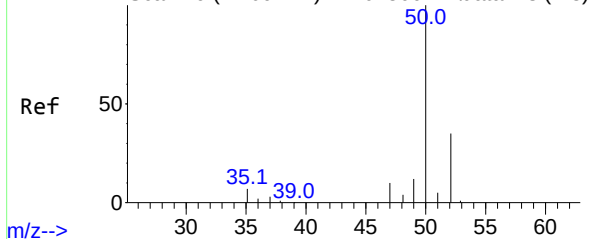


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD073705.D
Acq: 25 Jun 2022 13:03

Tgt Ion: 85 Resp: 219
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: 2.203 min Scan# 41

Delta R.T. -0.006 min

Lab File: VD073705.D

Acq: 25 Jun 2022 13:03

Instrument :

MSVOA_D

ClientSampleId :

D-43-UC

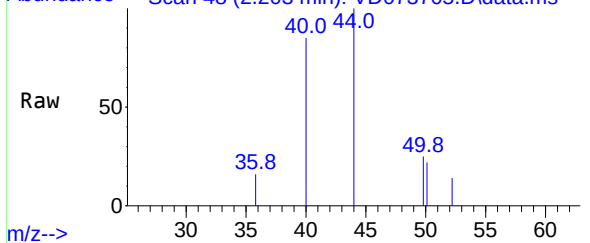
Tgt Ion: 50 Resp: 670

Ion Ratio Lower Upper

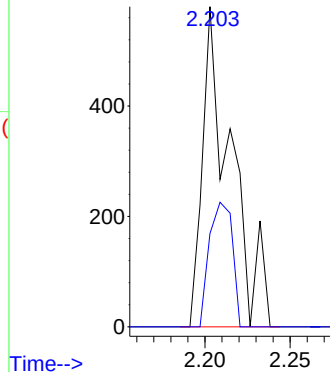
50 100

52 29.1 27.8 41.6

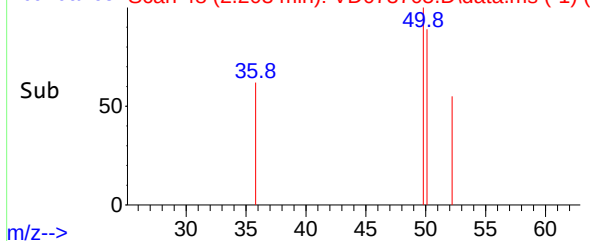
Abundance Scan 48 (2.203 min): VD073705.D\data.ms



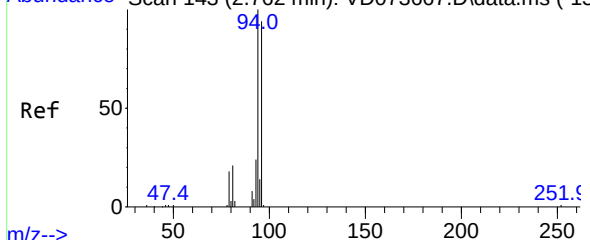
Abundance



Abundance Scan 48 (2.203 min): VD073705.D\data.ms (-1)



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



#5

Bromomethane

Concen: Below Cal

RT: 2.768 min Scan# 144

Delta R.T. 0.006 min

Lab File: VD073705.D

Acq: 25 Jun 2022 13:03

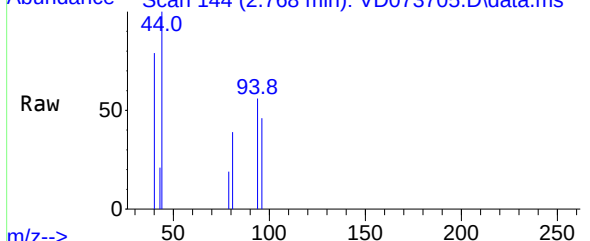
Tgt Ion: 94 Resp: 561

Ion Ratio Lower Upper

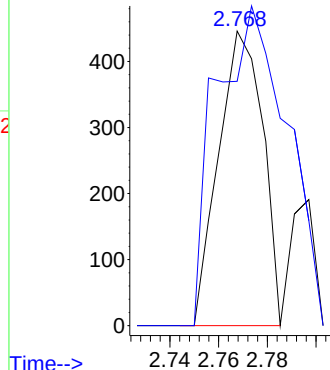
94 100

96 83.0 75.1 112.7

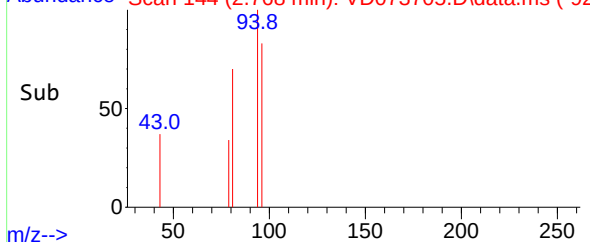
Abundance Scan 144 (2.768 min): VD073705.D\data.ms

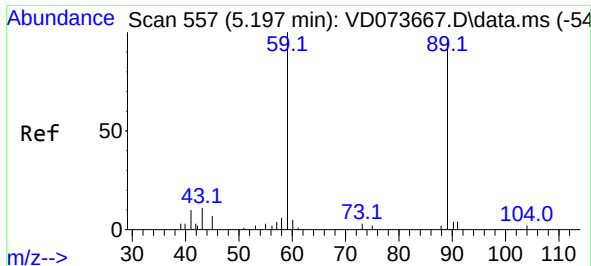


Abundance



Abundance Scan 144 (2.768 min): VD073705.D\data.ms (-92)

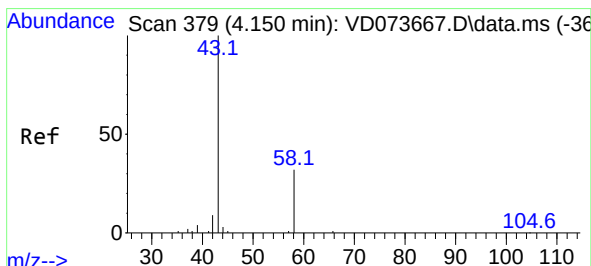
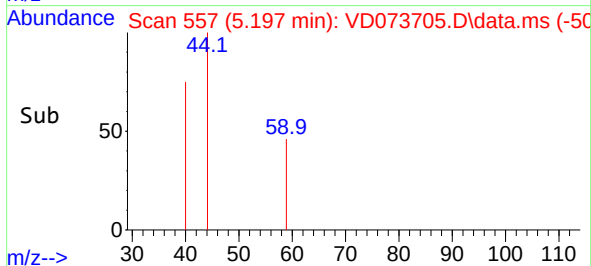
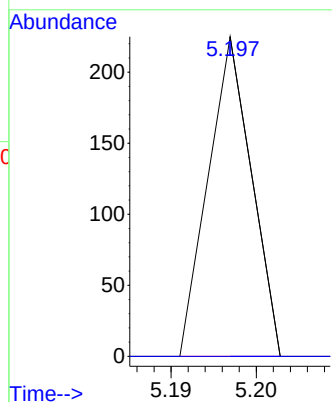
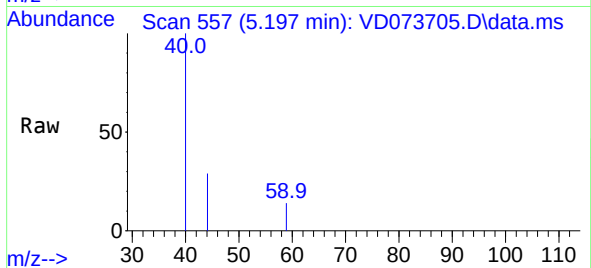




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.197 min Scan# 51
Delta R.T. -0.000 min
Lab File: VD073705.D
Acq: 25 Jun 2022 13:03

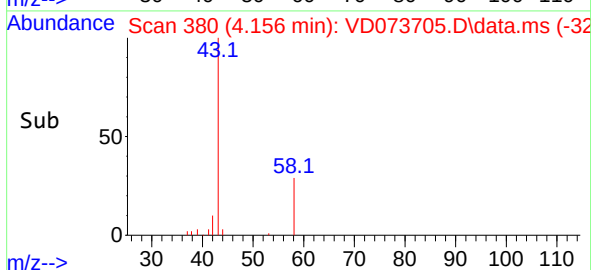
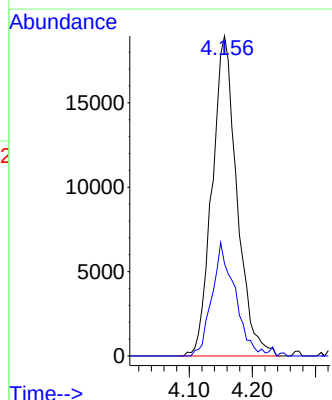
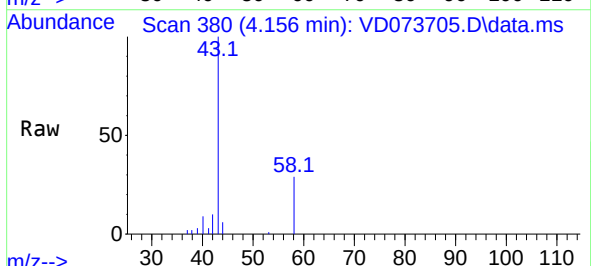
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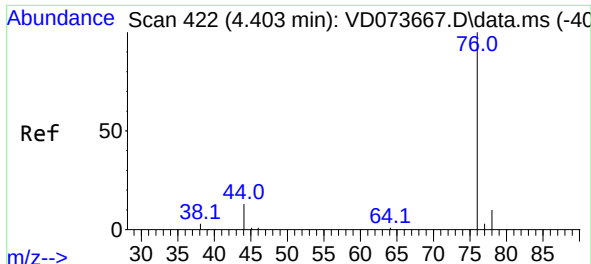
Tgt Ion: 59 Resp: 79
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 253.766 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD073705.D
Acq: 25 Jun 2022 13:03

Tgt Ion: 43 Resp: 51690
Ion Ratio Lower Upper
43 100
58 28.9 25.2 37.8

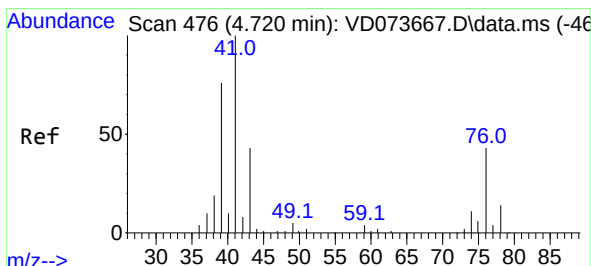
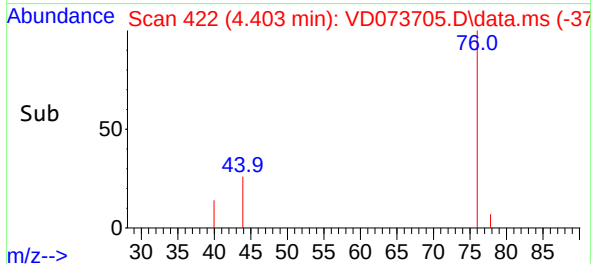
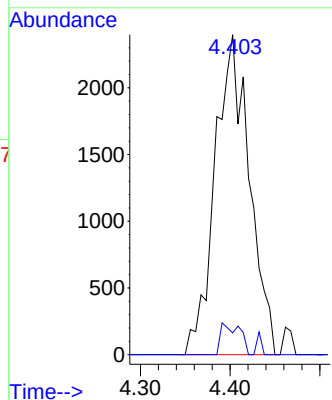
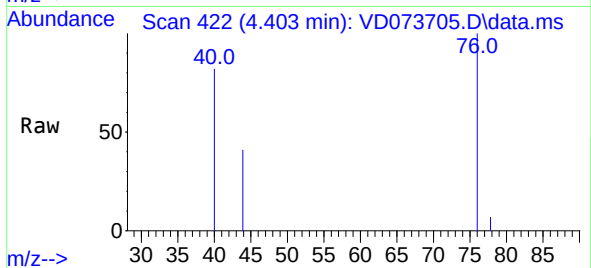




#17
Carbon Disulfide
Concen: 2.384 ug/l
RT: 4.403 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD073705.D
Acq: 25 Jun 2022 13:03

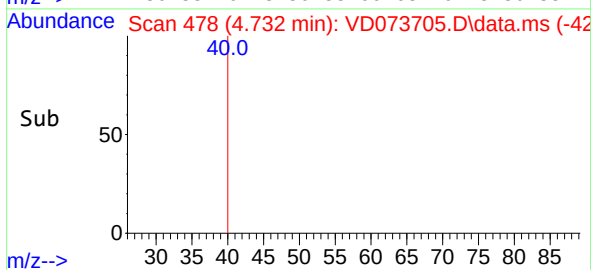
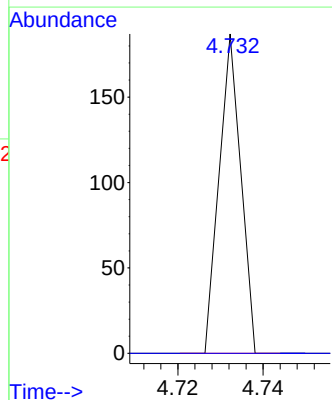
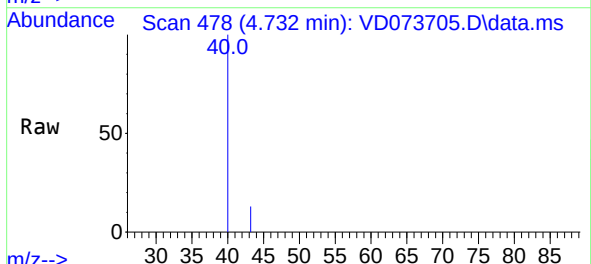
Instrument :
MSVOA_D
ClientSampleId :
D-43-UC

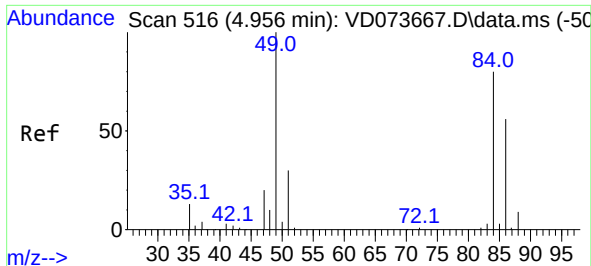
Tgt Ion: 76 Resp: 6374
Ion Ratio Lower Upper
76 100
78 6.8 7.7 11.5#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.732 min Scan# 478
Delta R.T. 0.012 min
Lab File: VD073705.D
Acq: 25 Jun 2022 13:03

Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.4#

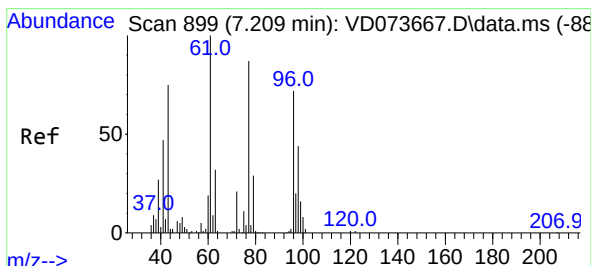
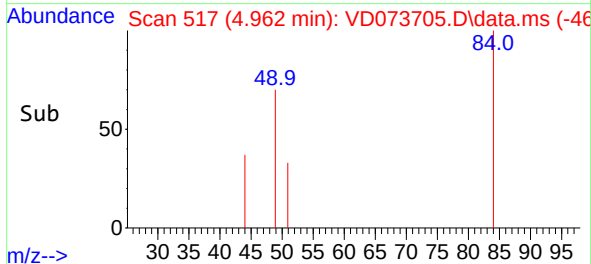
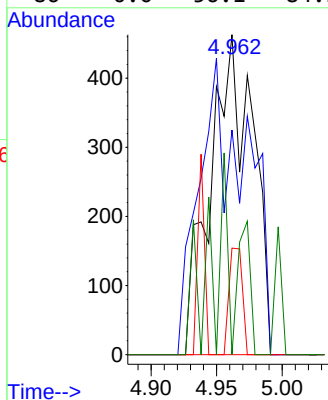
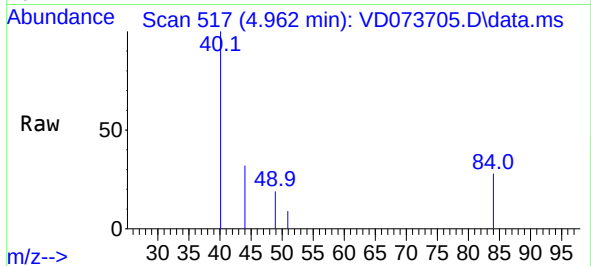




#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 516
Delta R.T. 0.006 min
Lab File: VD073705.D
Acq: 25 Jun 2022 13:03

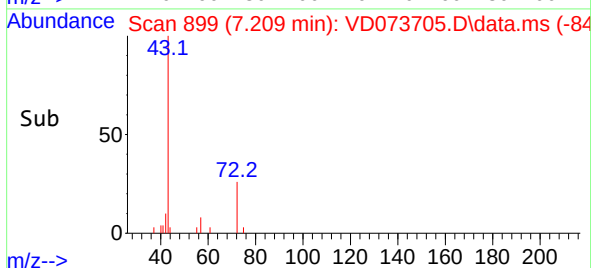
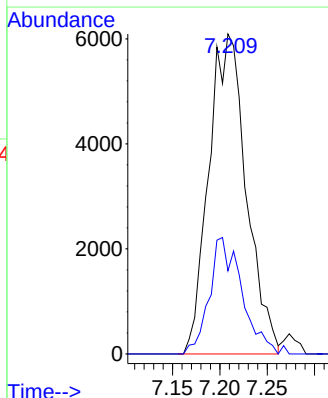
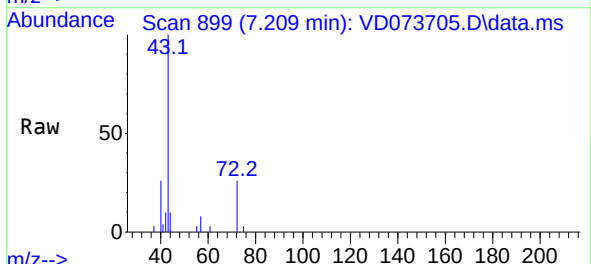
Instrument :
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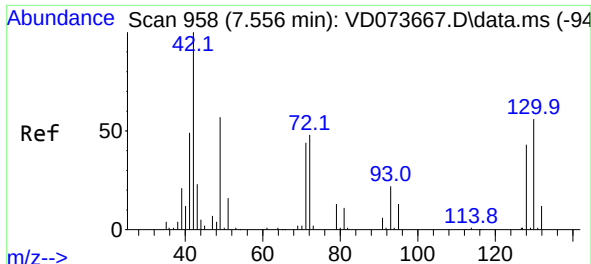
Tgt Ion:	84	Resp:	1045
Ion	Ratio	Lower	Upper
84	100		
49	70.2	100.6	150.8#
51	33.3	29.8	44.6
86	0.0	56.1	84.1#



#25
2-Butanone
Concen: 52.664 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD073705.D
Acq: 25 Jun 2022 13:03

Tgt Ion:	43	Resp:	16809
Ion	Ratio	Lower	Upper
43	100		
72	26.0	22.6	33.8





#29

Tetrahydrofuran

Concen: 10.730 ug/l

RT: 7.556 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD073705.D

Acq: 25 Jun 2022 13:03

Instrument :

MSVOA_D

ClientSampleId :

D-43-UC

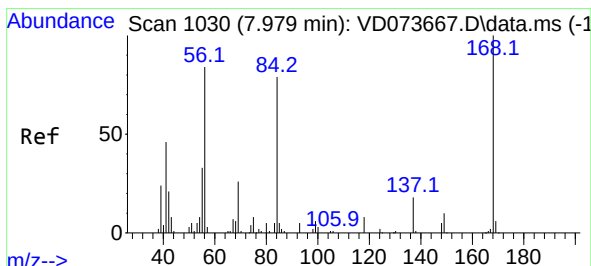
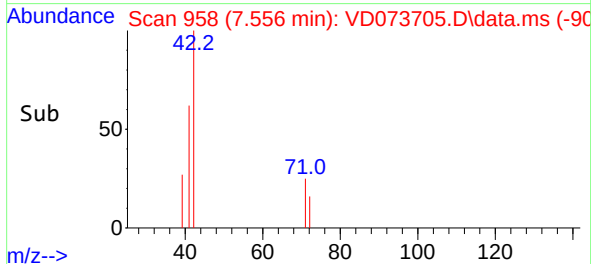
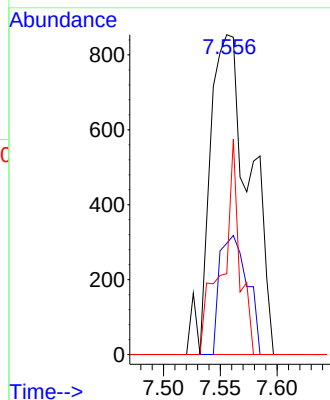
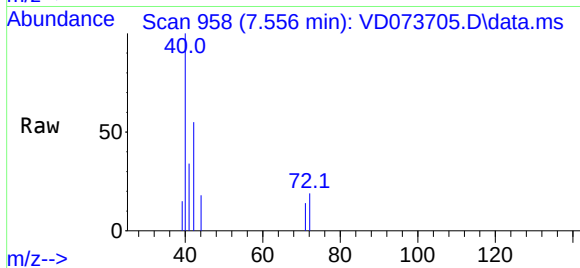
Tgt Ion: 42 Resp: 2082

Ion Ratio Lower Upper

42 100

72 25.8 37.8 56.6#

71 29.5 35.5 53.3#



#31

Cyclohexane

Concen: 1.559 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073705.D

Acq: 25 Jun 2022 13:03

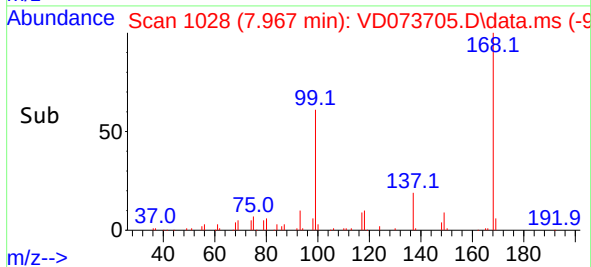
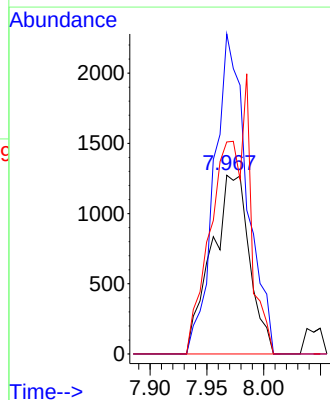
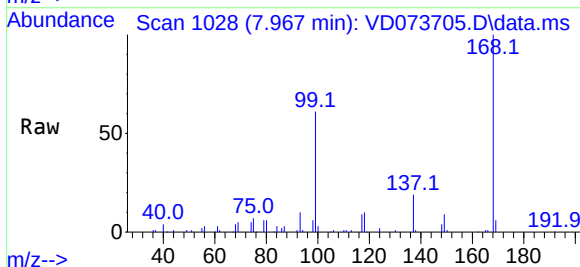
Tgt Ion: 56 Resp: 2962

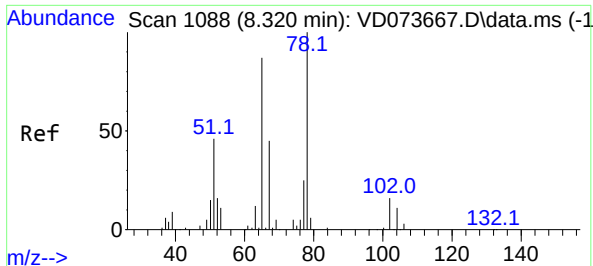
Ion Ratio Lower Upper

56 100

69 179.0 25.2 37.8#

84 118.6 75.4 113.2#

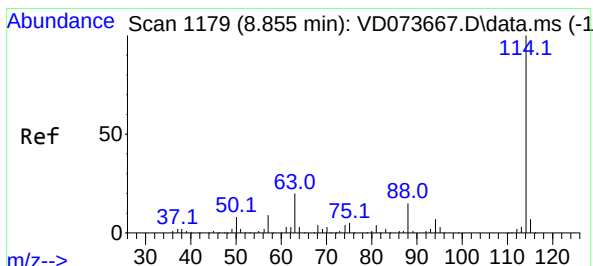
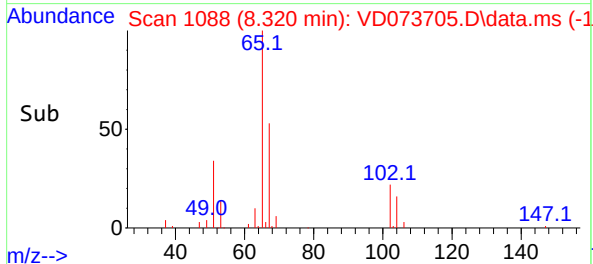
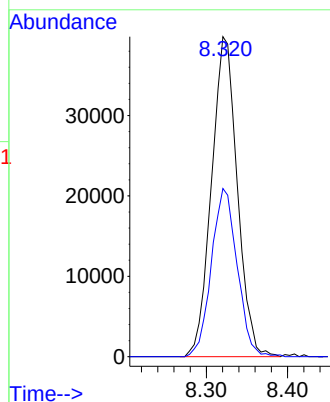
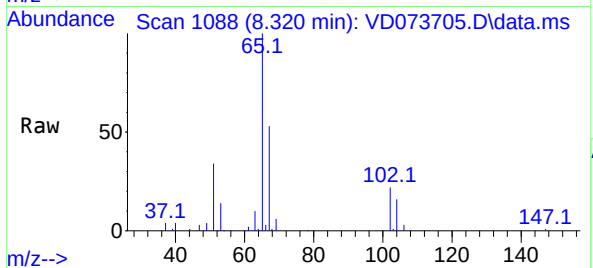




#33
1,2-Dichloroethane-d4
Concen: 69.372 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VD073705.D
Acq: 25 Jun 2022 13:03

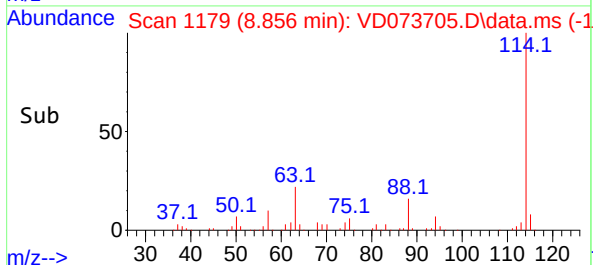
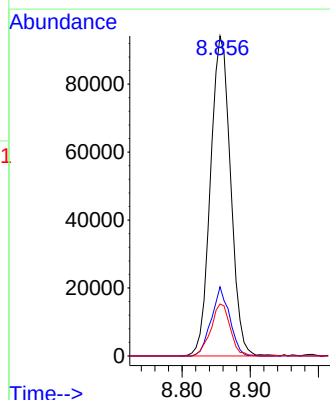
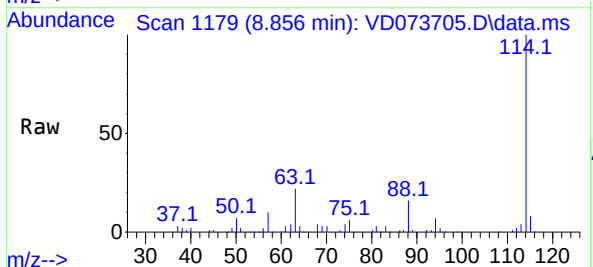
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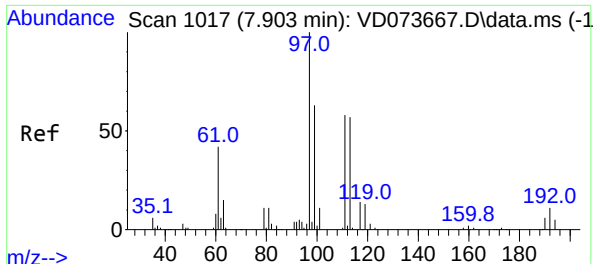
Tgt Ion: 65 Resp: 87861
Ion Ratio Lower Upper
65 100
67 52.5 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.856 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VD073705.D
Acq: 25 Jun 2022 13:03

Tgt Ion: 114 Resp: 193035
Ion Ratio Lower Upper
114 100
63 21.6 0.0 39.2
88 16.3 0.0 29.4

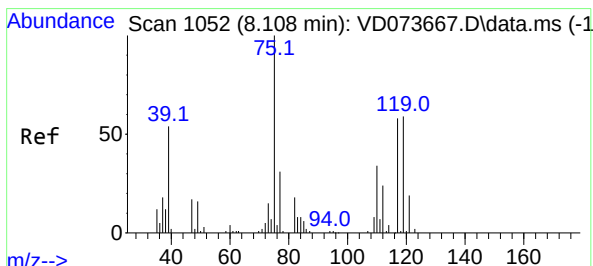
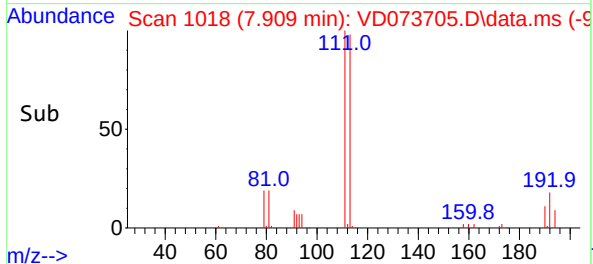
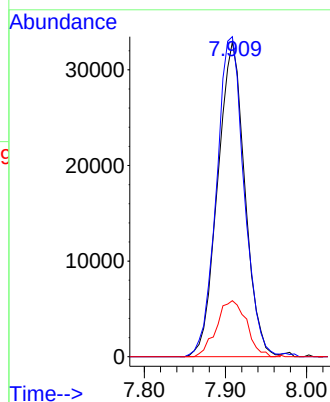
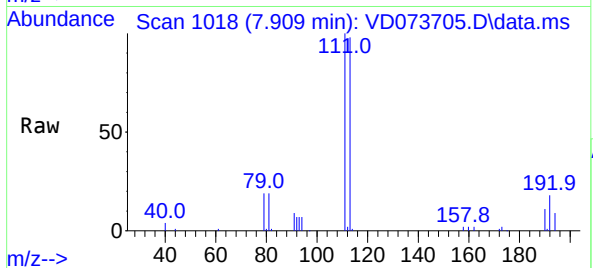




#35
Dibromofluoromethane
Concen: 50.820 ug/l
RT: 7.909 min Scan# 1017
Delta R.T. 0.006 min
Lab File: VD073705.D
Acq: 25 Jun 2022 13:03

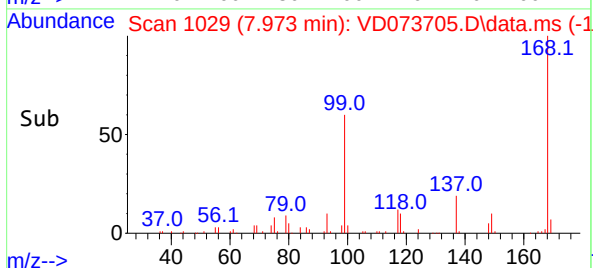
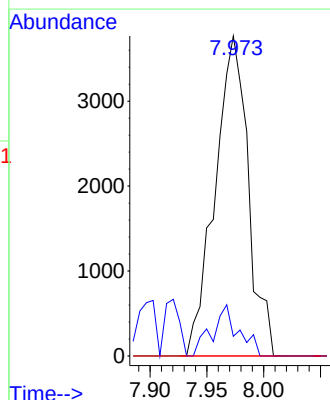
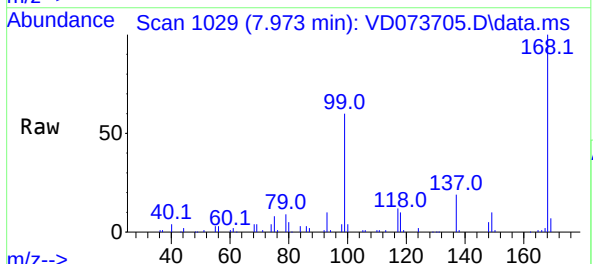
Instrument :
MSVOA_D
ClientSampleId :
D-43-UC

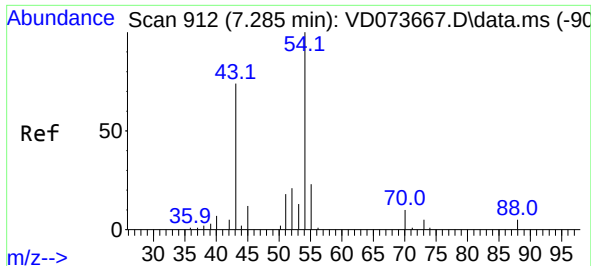
Tgt Ion:113 Resp: 76421
Ion Ratio Lower Upper
113 100
111 103.3 81.8 122.6
192 19.7 14.8 22.2



#36
1,1-Dichloropropene
Concen: 3.634 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD073705.D
Acq: 25 Jun 2022 13:03

Tgt Ion: 75 Resp: 7672
Ion Ratio Lower Upper
75 100
110 12.6 18.0 54.0#
77 0.0 25.6 38.4#

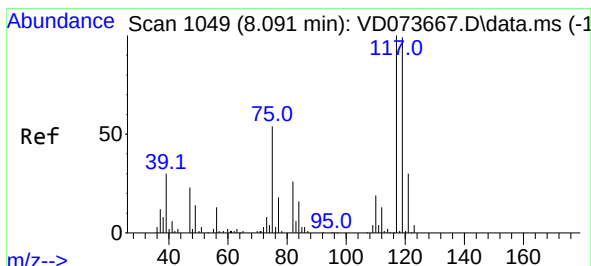
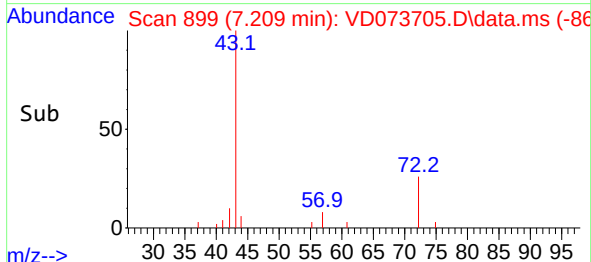
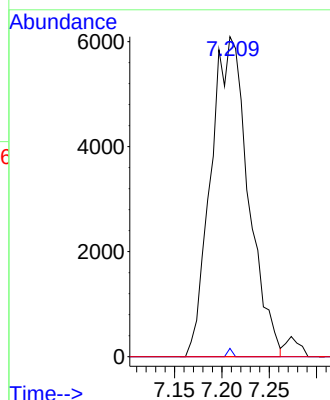
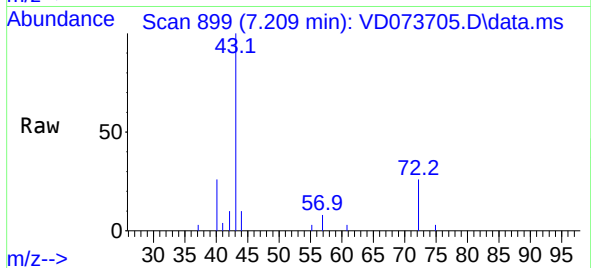




#37
Ethyl Acetate
Concen: 20.288 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.076 min
Lab File: VD073705.D
Acq: 25 Jun 2022 13:03

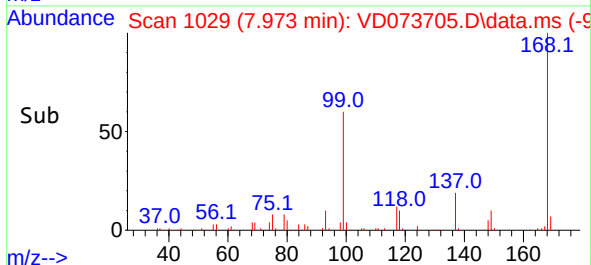
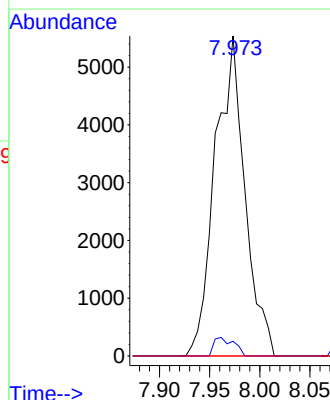
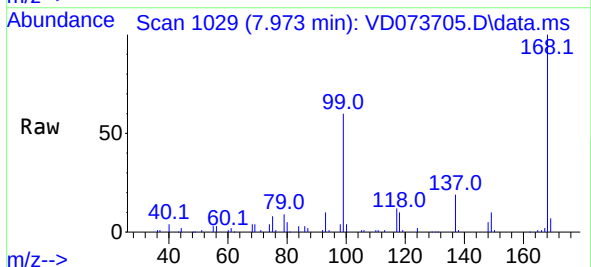
Instrument :
MSVOA_D
ClientSampleId :
D-43-UC

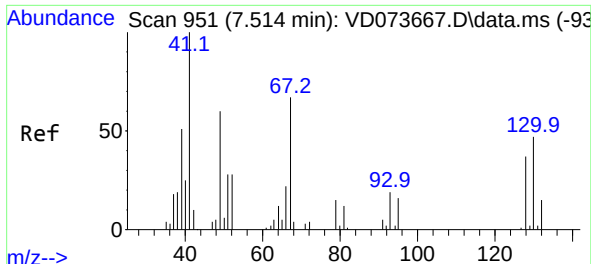
Tgt Ion: 43 Resp: 16809
Ion Ratio Lower Upper
43 100
61 0.3 10.6 16.0#
70 0.0 9.9 14.9#



#38
Carbon Tetrachloride
Concen: 4.652 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073705.D
Acq: 25 Jun 2022 13:03

Tgt Ion: 117 Resp: 11434
Ion Ratio Lower Upper
117 100
119 4.6 79.2 118.8#
121 0.0 23.8 35.8#



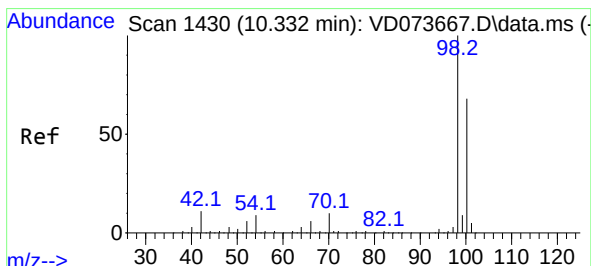
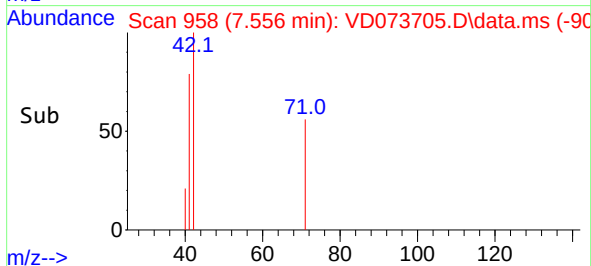
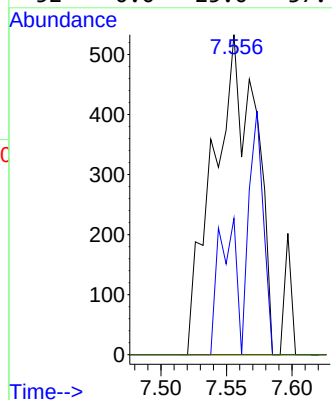
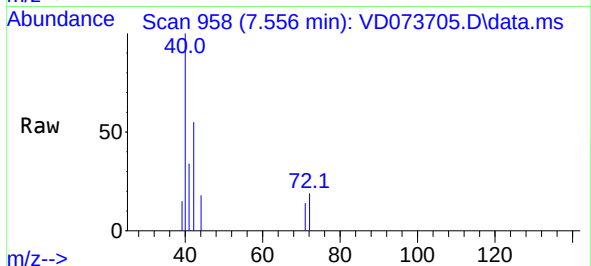


#41
Methacrylonitrile
Concen: 2.409 ug/l
RT: 7.556 min Scan# 91
Delta R.T. 0.041 min
Lab File: VD073705.D
Acq: 25 Jun 2022 13:03

Instrument :
MSVOA_D
ClientSampleId :
D-43-UC

Tgt Ion: 41 Resp: 1205

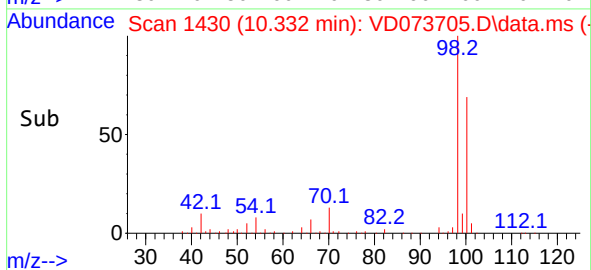
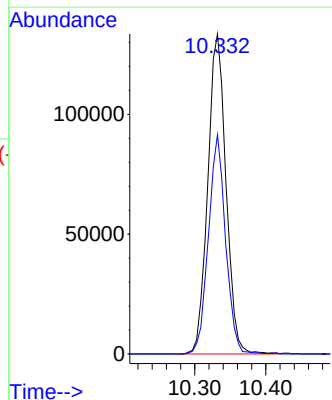
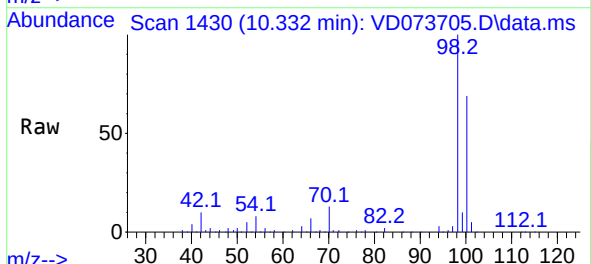
Ion	Ratio	Lower	Upper
41	100		
39	17.3	42.1	63.1#
67	0.0	58.6	87.8#
52	0.0	25.0	37.4#

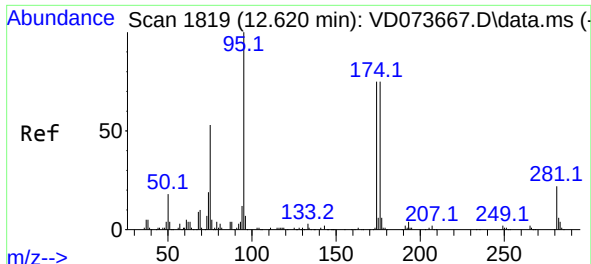


#50
Toluene-d8
Concen: 44.086 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073705.D
Acq: 25 Jun 2022 13:03

Tgt Ion: 98 Resp: 238032

Ion	Ratio	Lower	Upper
98	100		
100	64.6	54.0	81.0

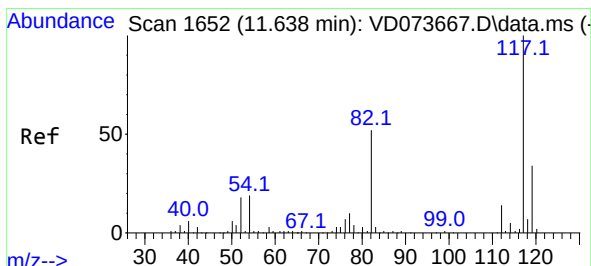
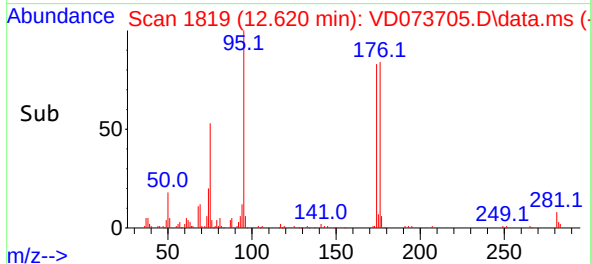
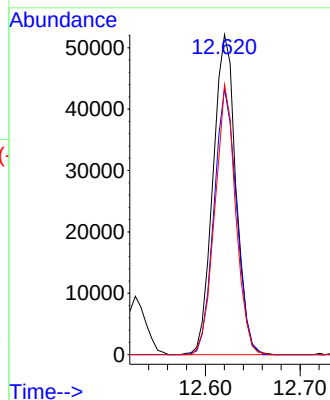
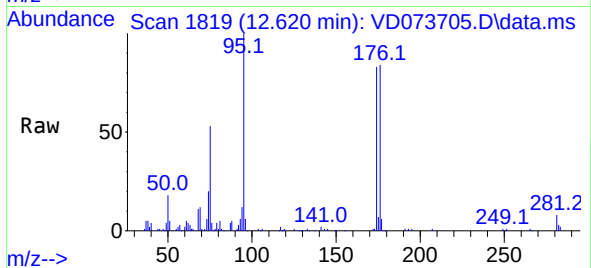




#62
4-Bromofluorobenzene
Concen: 43.186 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073705.D
Acq: 25 Jun 2022 13:03

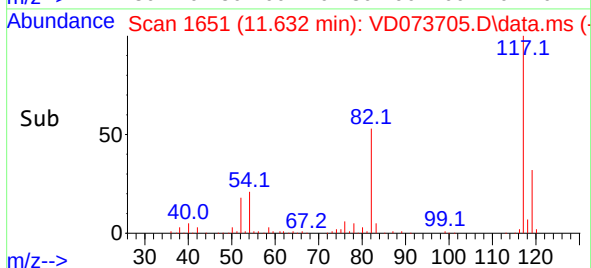
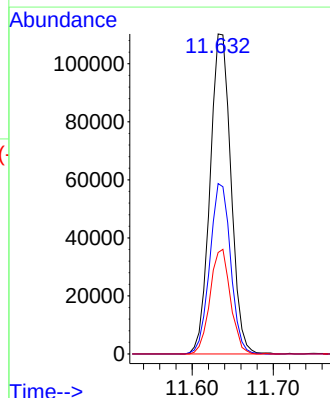
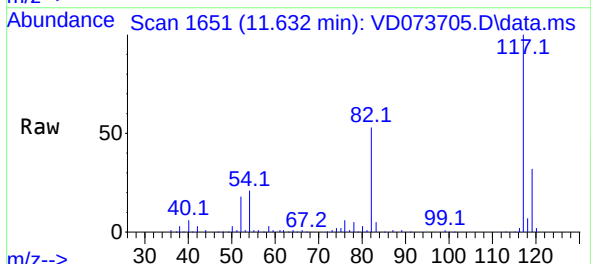
Instrument :
MSVOA_D
ClientSampleId :
D-43-UC

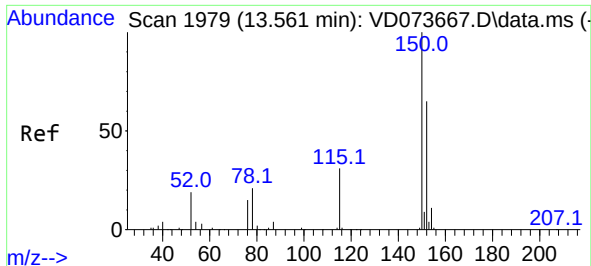
Tgt Ion: 95 Resp: 87453
Ion Ratio Lower Upper
95 100
174 81.8 0.0 158.4
176 77.4 0.0 154.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073705.D
Acq: 25 Jun 2022 13:03

Tgt Ion: 117 Resp: 196770
Ion Ratio Lower Upper
117 100
82 53.2 41.5 62.3
119 31.7 27.1 40.7

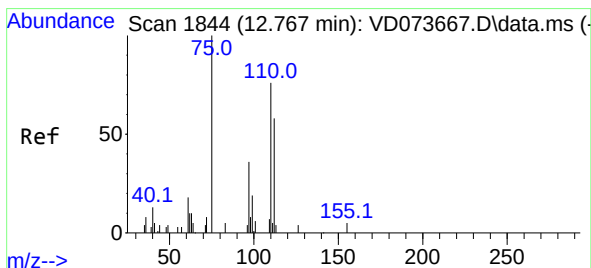
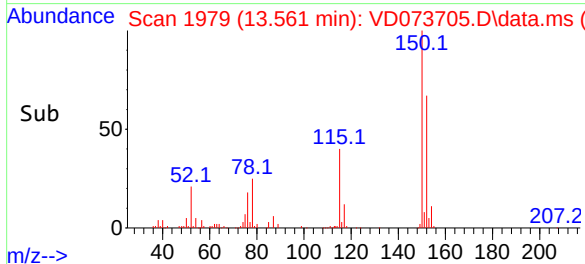
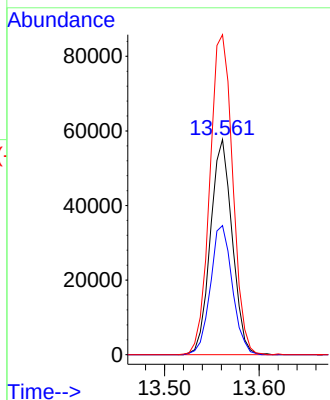
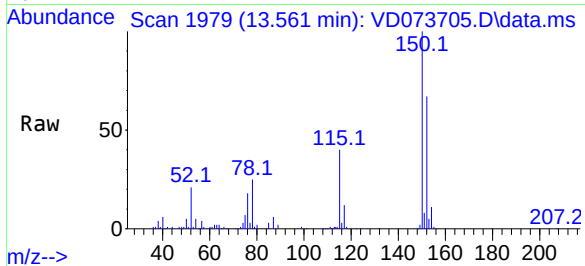




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073705.D
Acq: 25 Jun 2022 13:03

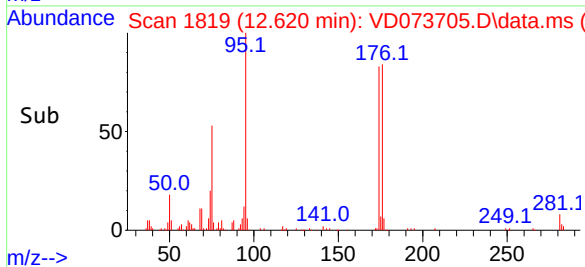
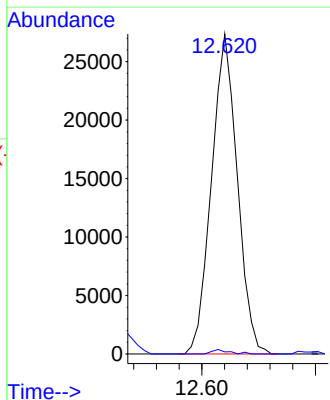
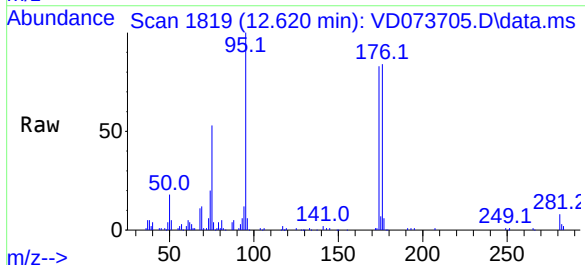
Instrument :
MSVOA_D
ClientSampleId :
D-43-UC

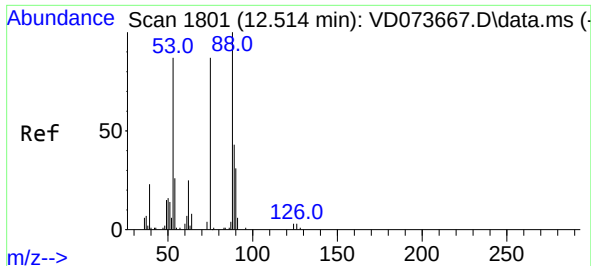
Tgt Ion:152 Resp: 92243
Ion Ratio Lower Upper
152 100
115 60.5 30.6 91.6
150 156.0 0.0 355.0



#76
1,2,3-Trichloropropane
Concen: 48.056 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073705.D
Acq: 25 Jun 2022 13:03

Tgt Ion: 75 Resp: 43138
Ion Ratio Lower Upper
75 100
77 0.9 195.3 586.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 98.109 ug/l

RT: 12.620 min Scan# 11

Delta R.T. 0.106 min

Lab File: VD073705.D

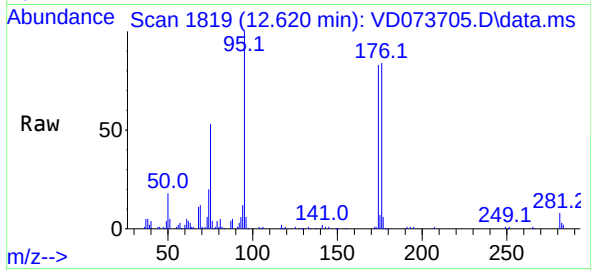
Acq: 25 Jun 2022 13:03

Instrument :

MSVOA_D

ClientSampleId :

D-43-UC



Tgt Ion: 75 Resp: 43138

Ion Ratio Lower Upper

75 100

53 0.0 77.0 115.6#

89 0.0 37.8 56.8#

