

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072122\
 Data File : VD073894.D
 Acq On : 21 Jul 2022 13:57
 Operator : VA/SY
 Sample : N3810-02
 Misc : 5.52G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-2

Quant Time: Jul 22 01:19:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071822S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 20 15:29:08 2022
 Response via : Initial Calibration

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

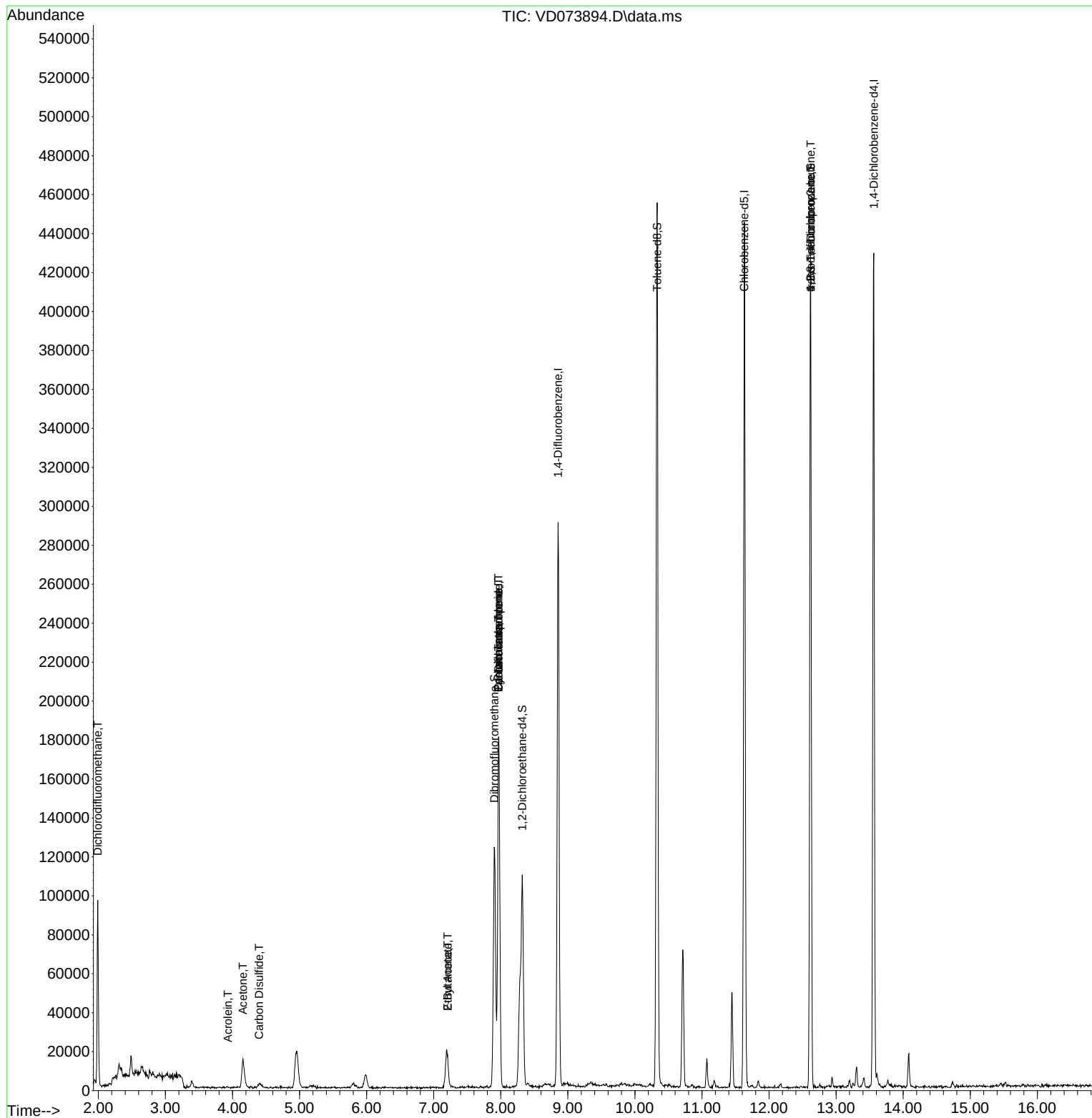
Internal Standards						
1) Pentafluorobenzene	7.967	168	128508	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	250315	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	243491	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	108578	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	80058	52.171	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.340%	
35) Dibromofluoromethane	7.902	113	86111	48.763	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.520%	
50) Toluene-d8	10.332	98	308721	48.157	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.320%	
62) 4-Bromofluorobenzene	12.620	95	107099	48.590	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.180%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	65289	55.909	ug/l	97
3) Chloromethane	2.208	50	854	Below Cal	#	68
11) Tert butyl alcohol	5.208	59	1334	Below Cal	#	74
13) Acrolein	3.932	56	127	1.783	ug/l #	14
16) Acetone	4.155	43	25511	101.314	ug/l #	88
17) Carbon Disulfide	4.397	76	4739	1.136	ug/l #	74
18) Methyl Acetate	4.714	43	139	Below Cal	#	55
20) Methylene Chloride	4.961	84	14952	Below Cal		85
25) 2-Butanone	7.208	43	6882	19.256	ug/l	97
31) Cyclohexane	7.967	56	3495	1.433	ug/l #	48
36) 1,1-Dichloropropene	7.967	75	11221	4.405	ug/l #	51
37) Ethyl Acetate	7.208	43	6882	7.513	ug/l #	87
38) Carbon Tetrachloride	7.967	117	14275	4.906	ug/l #	15
76) 1,2,3-Trichloropropane	12.620	75	60981	52.344	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	60981	141.248	ug/l #	7

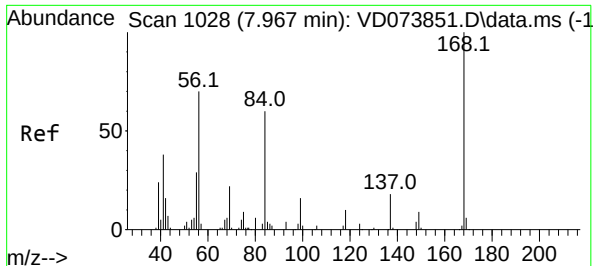
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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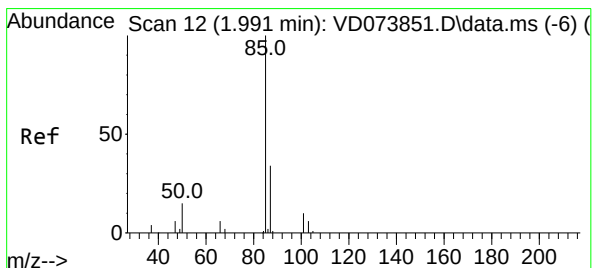
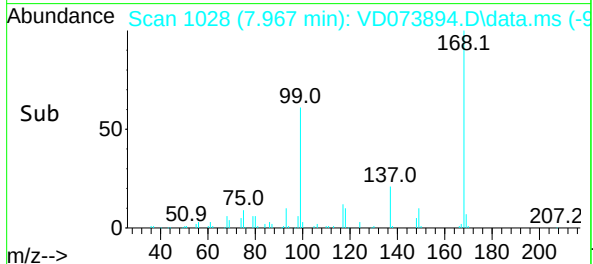
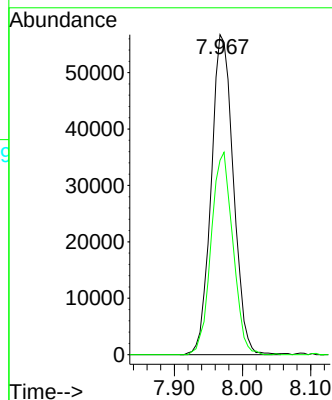
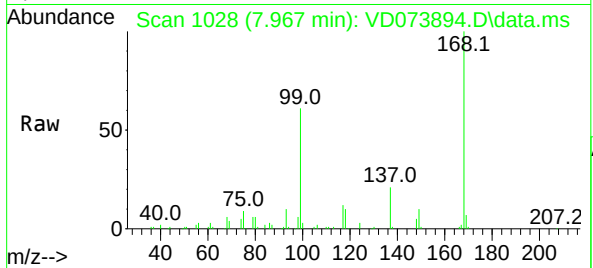




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.000 min
Lab File: VD073894.D
Acq: 21 Jul 2022 13:57

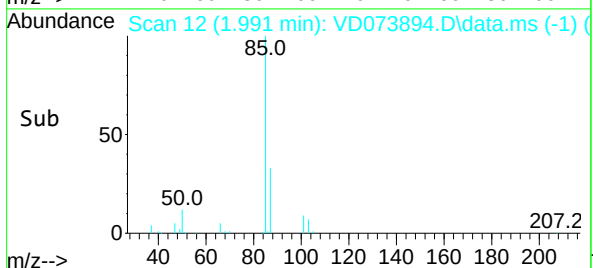
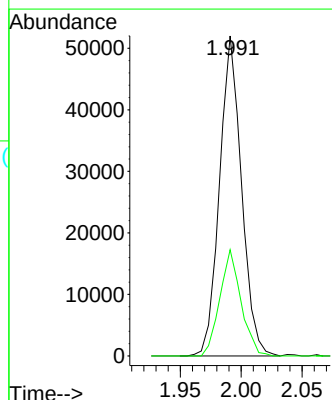
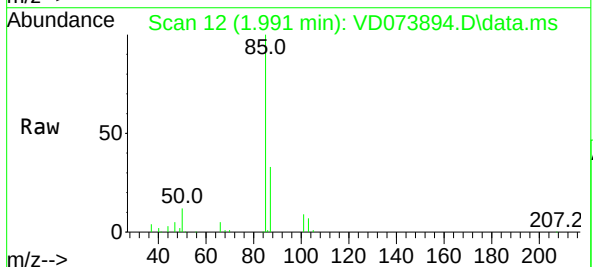
Instrument :
MSVOA_D
ClientSampleId :
COMP-2

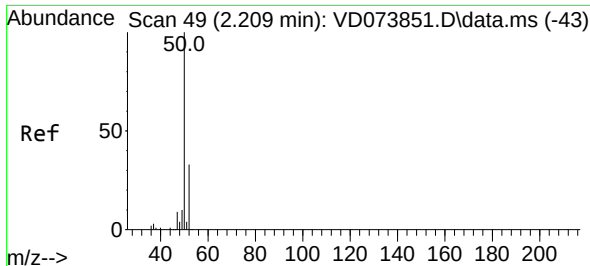
Tgt Ion:168 Resp: 128508
Ion Ratio Lower Upper
168 100
99 60.8 49.8 74.6



#2
Dichlorodifluoromethane
Concen: 55.909 ug/l
RT: 1.991 min Scan# 12
Delta R.T. -0.000 min
Lab File: VD073894.D
Acq: 21 Jul 2022 13:57

Tgt Ion: 85 Resp: 65289
Ion Ratio Lower Upper
85 100
87 33.2 15.7 47.0

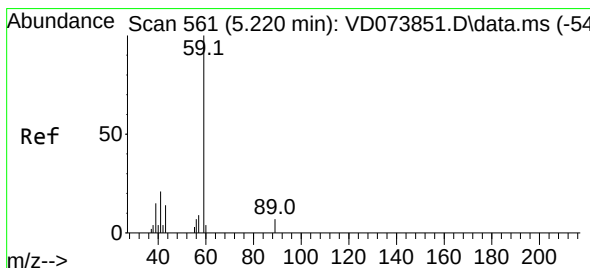
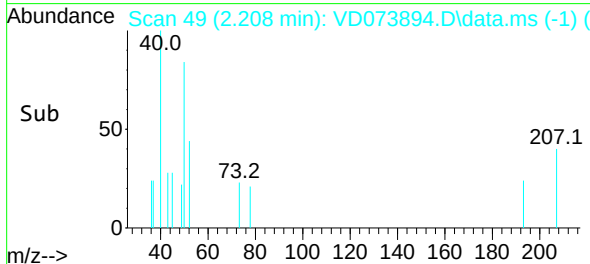
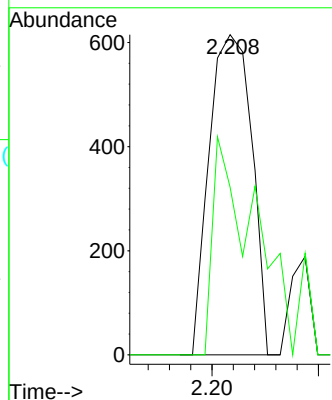
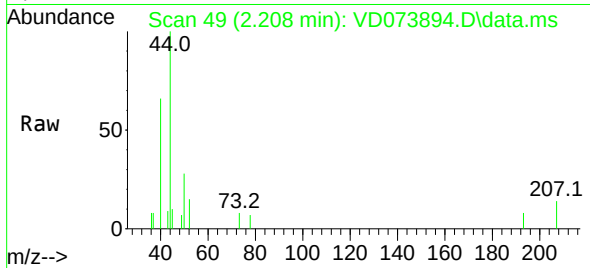




#3
Chloromethane
Concen: Below Cal
RT: 2.208 min Scan# 49
Delta R.T. -0.001 min
Lab File: VD073894.D
Acq: 21 Jul 2022 13:57

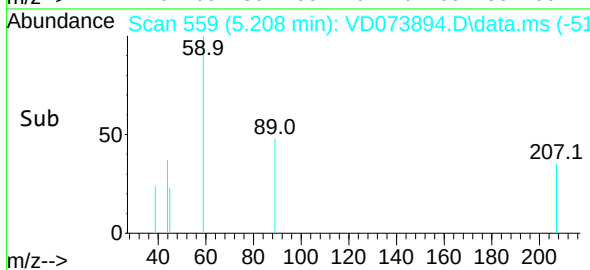
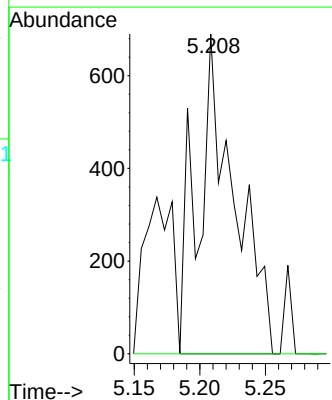
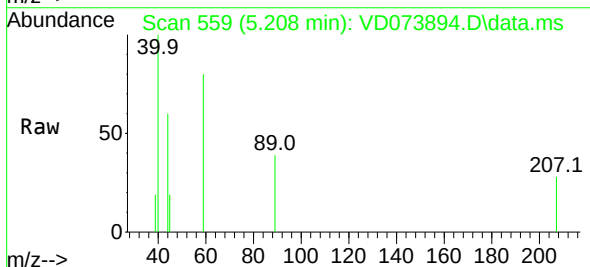
Instrument :
MSVOA_D
ClientSampleId :
COMP-2

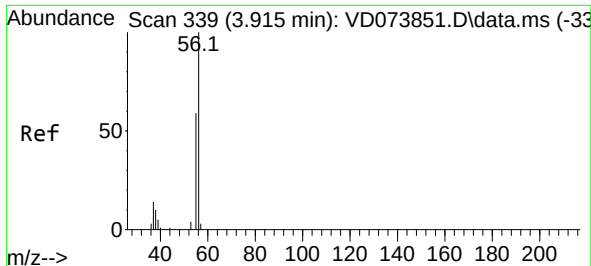
Tgt Ion: 50 Resp: 854
Ion Ratio Lower Upper
50 100
52 52.4 27.4 41.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.208 min Scan# 559
Delta R.T. -0.012 min
Lab File: VD073894.D
Acq: 21 Jul 2022 13:57

Tgt Ion: 59 Resp: 1334
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#





#13

Acrolein

Concen: 1.783 ug/l

RT: 3.932 min Scan# 34

Delta R.T. 0.017 min

Lab File: VD073894.D

Acq: 21 Jul 2022 13:57

Instrument :

MSVOA_D

ClientSampleId :

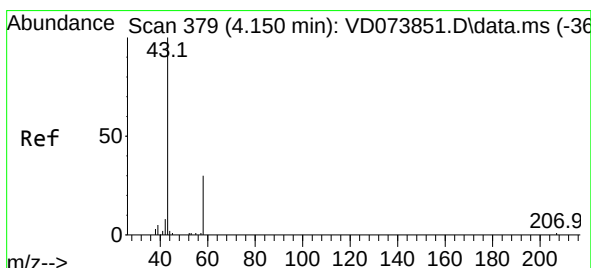
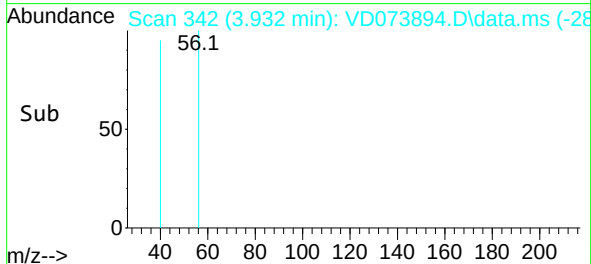
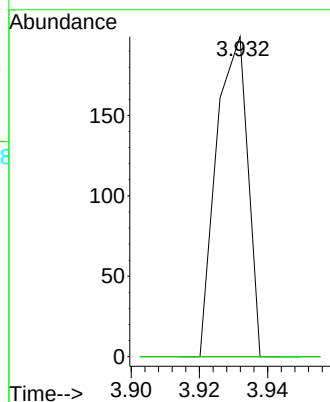
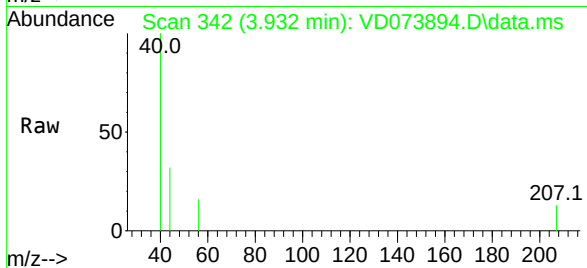
COMP-2

Tgt Ion: 56 Resp: 127

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#



#16

Acetone

Concen: 101.314 ug/l

RT: 4.155 min Scan# 380

Delta R.T. 0.006 min

Lab File: VD073894.D

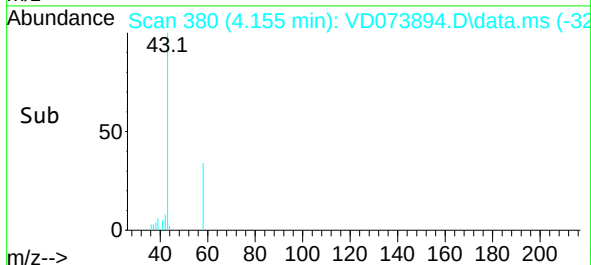
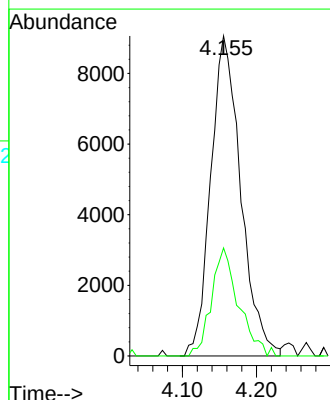
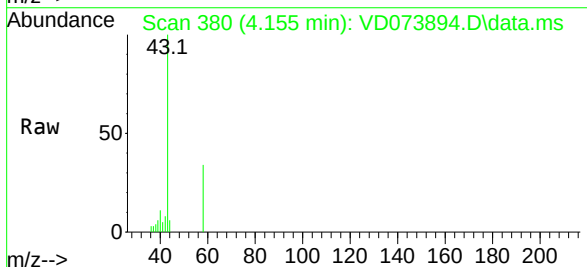
Acq: 21 Jul 2022 13:57

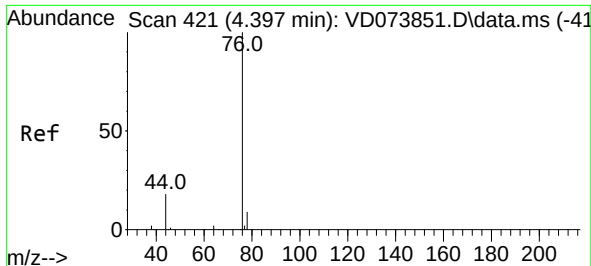
Tgt Ion: 43 Resp: 25511

Ion Ratio Lower Upper

43 100

58 33.7 22.1 33.1#

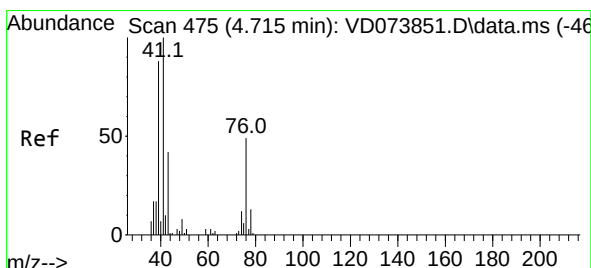
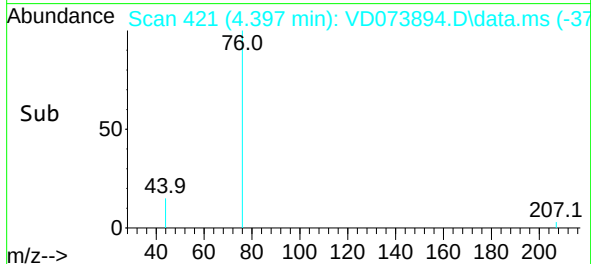
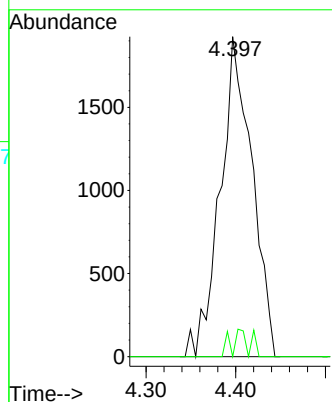
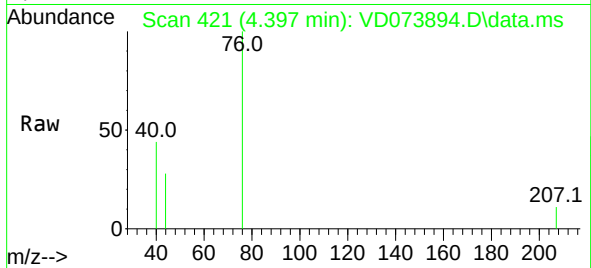




#17
Carbon Disulfide
Concen: 1.136 ug/l
RT: 4.397 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD073894.D
Acq: 21 Jul 2022 13:57

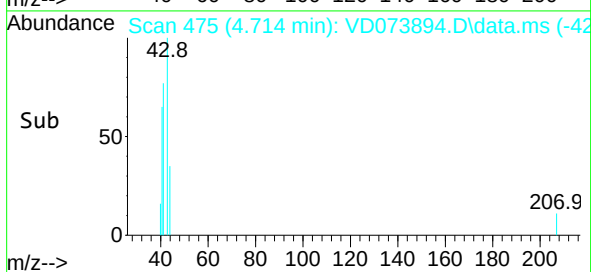
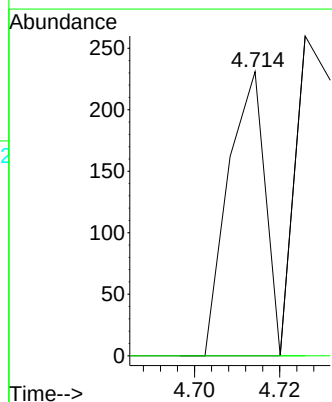
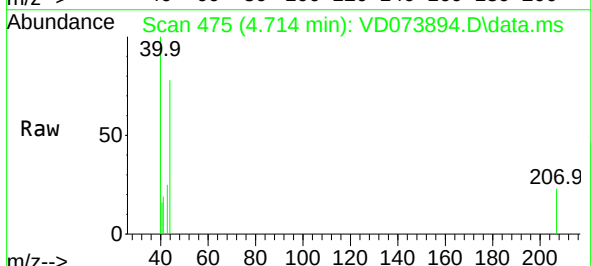
Instrument :
MSVOA_D
ClientSampleId :
COMP-2

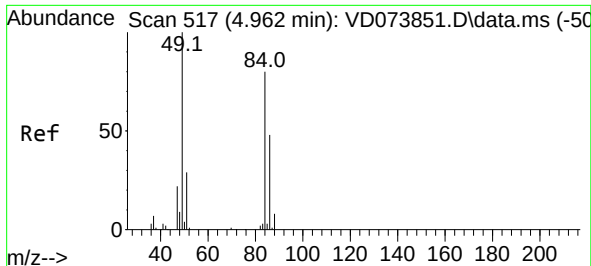
Tgt Ion: 76 Resp: 4739
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.714 min Scan# 475
Delta R.T. -0.001 min
Lab File: VD073894.D
Acq: 21 Jul 2022 13:57

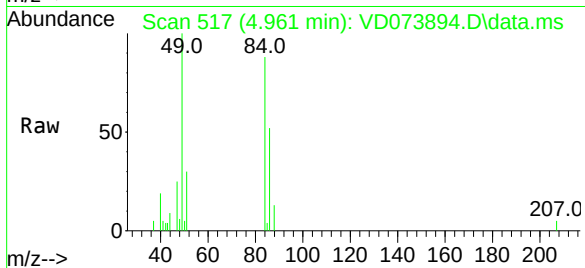
Tgt Ion: 43 Resp: 139
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



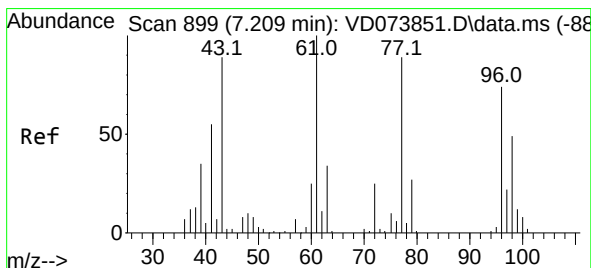
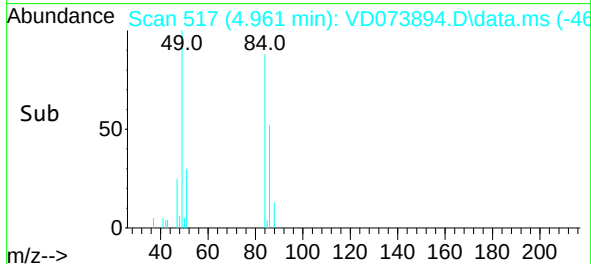
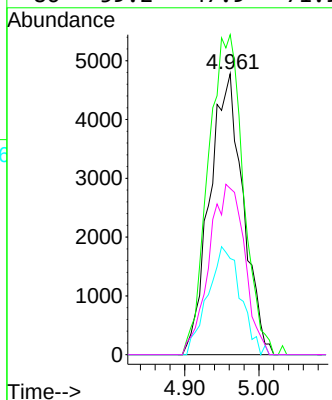


#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD073894.D
Acq: 21 Jul 2022 13:57

Instrument :
MSVOA_D
ClientSampleId :
COMP-2

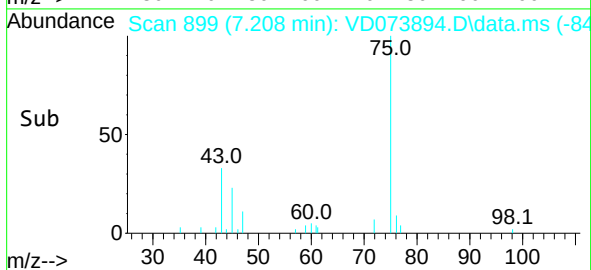
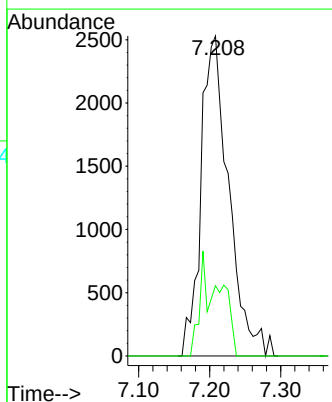
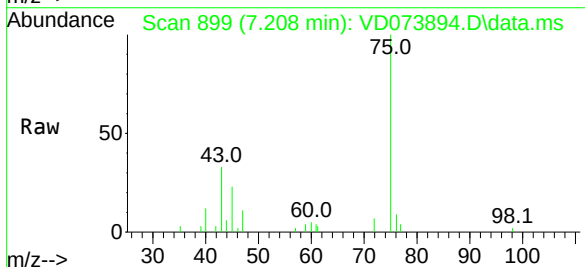


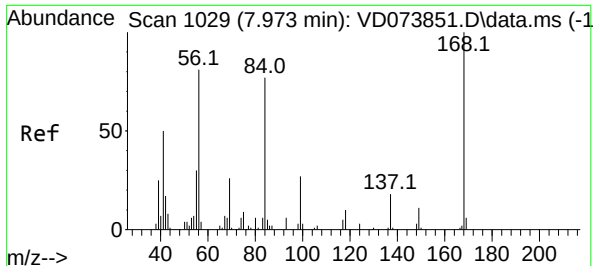
Tgt Ion:	84	Resp:	14952
Ion	Ratio	Lower	Upper
84	100		
49	113.9	112.8	169.2
51	34.3	32.6	48.8
86	59.2	47.9	71.9



#25
2-Butanone
Concen: 19.256 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD073894.D
Acq: 21 Jul 2022 13:57

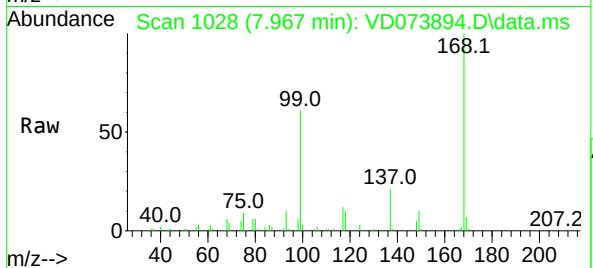
Tgt Ion:	43	Resp:	6882
Ion	Ratio	Lower	Upper
43	100		
72	21.9	18.6	27.8



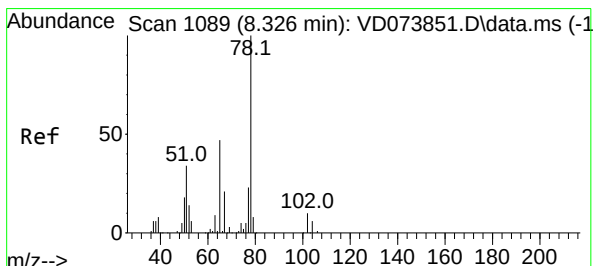
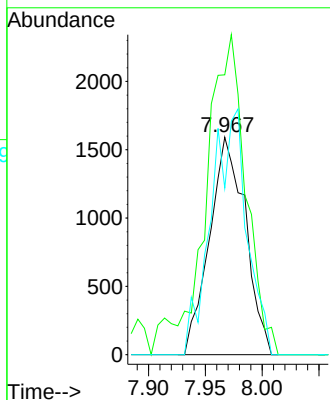
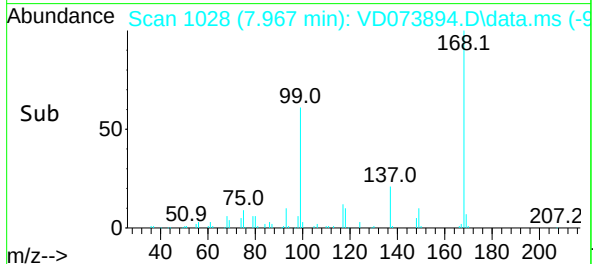


#31
Cyclohexane
Concen: 1.433 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD073894.D
Acq: 21 Jul 2022 13:57

Instrument :
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ClientSampleId :
COMP-2

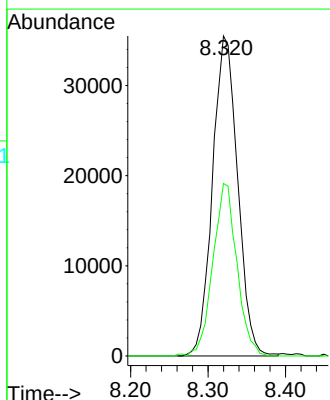
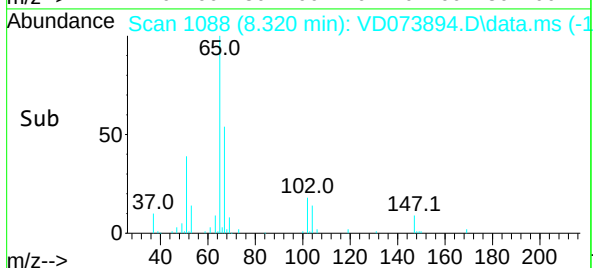
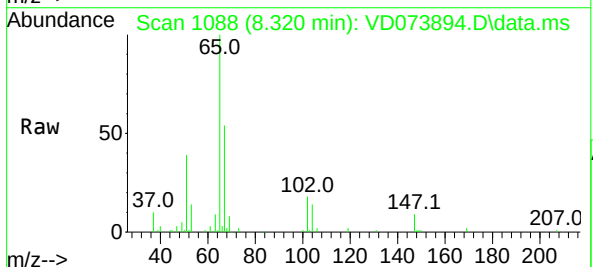


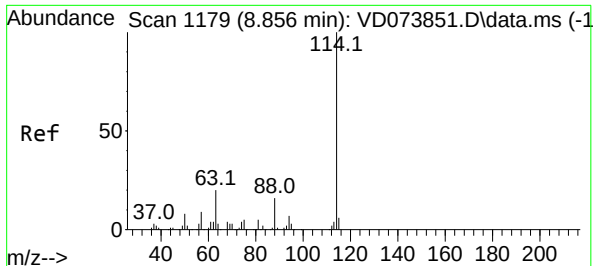
Tgt Ion: 56 Resp: 3495
Ion Ratio Lower Upper
56 100
69 128.7 25.4 38.2#
84 76.6 63.0 94.4



#33
1,2-Dichloroethane-d4
Concen: 52.171 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD073894.D
Acq: 21 Jul 2022 13:57

Tgt Ion: 65 Resp: 80058
Ion Ratio Lower Upper
65 100
67 51.6 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VD073894.D

Acq: 21 Jul 2022 13:57

Instrument :

MSVOA_D

ClientSampleId :

COMP-2

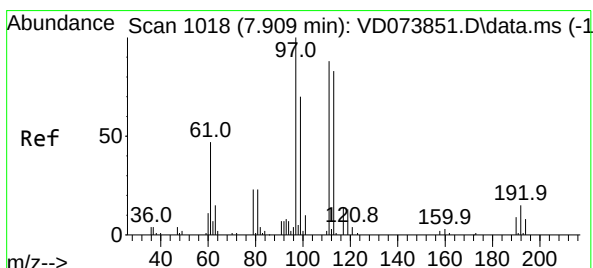
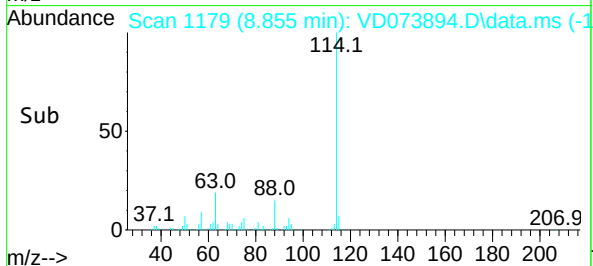
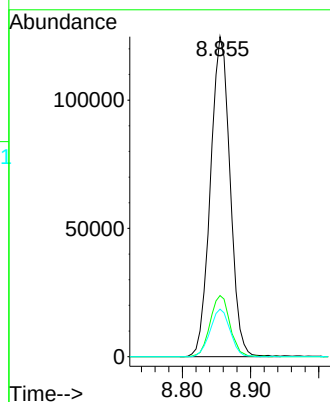
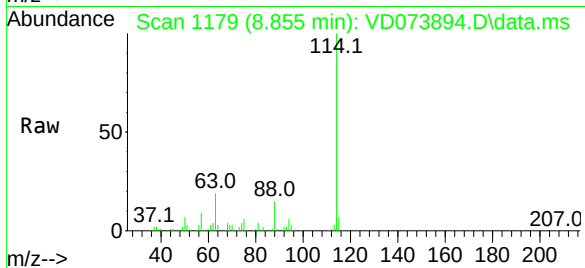
Tgt Ion:114 Resp: 250315

Ion Ratio Lower Upper

114 100

63 19.1 0.0 46.6

88 14.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 48.763 ug/l

RT: 7.902 min Scan# 1017

Delta R.T. -0.006 min

Lab File: VD073894.D

Acq: 21 Jul 2022 13:57

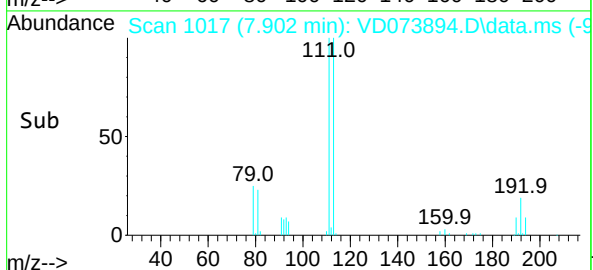
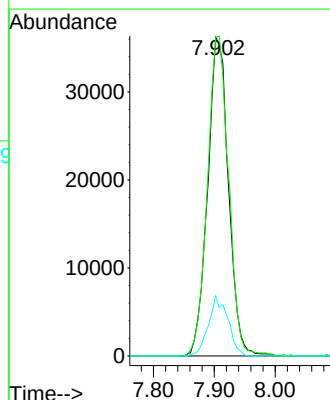
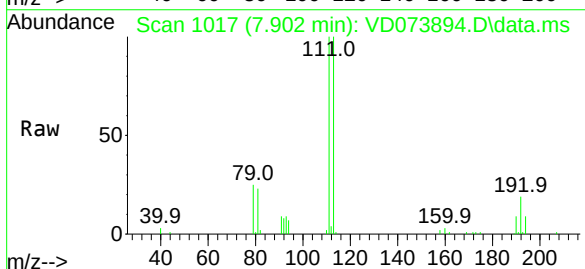
Tgt Ion:113 Resp: 86111

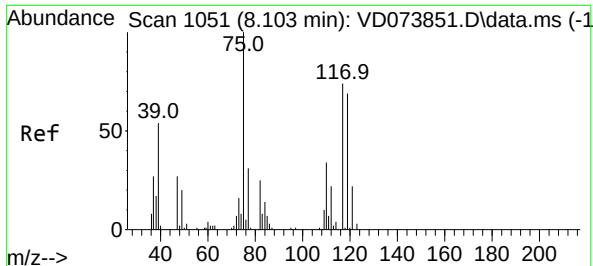
Ion Ratio Lower Upper

113 100

111 101.9 83.8 125.6

192 17.6 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.405 ug/l

RT: 7.967 min Scan# 1

Delta R.T. -0.136 min

Lab File: VD073894.D

Acq: 21 Jul 2022 13:57

Instrument :

MSVOA_D

ClientSampleId :

COMP-2

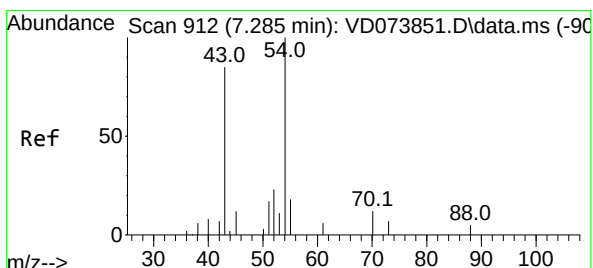
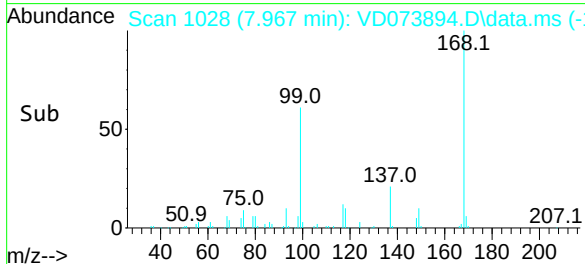
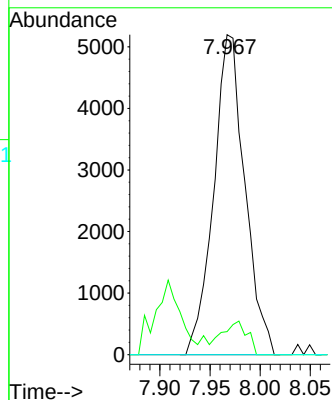
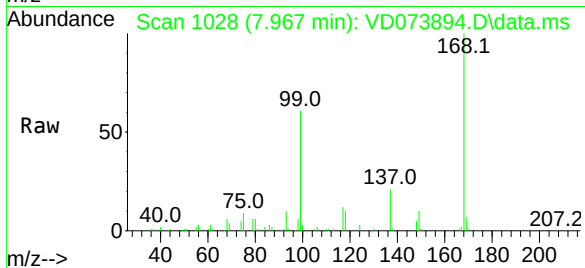
Tgt Ion: 75 Resp: 11221

Ion Ratio Lower Upper

75 100

110 8.6 16.4 49.1#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 7.513 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.077 min

Lab File: VD073894.D

Acq: 21 Jul 2022 13:57

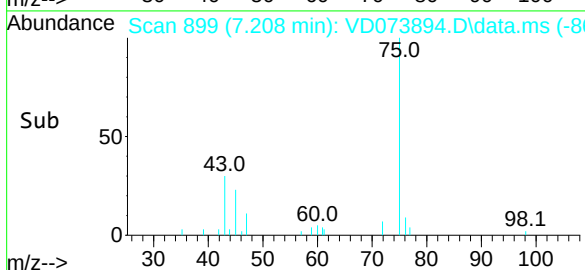
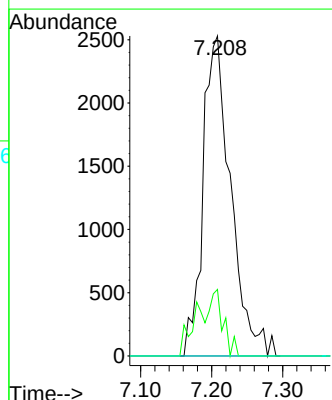
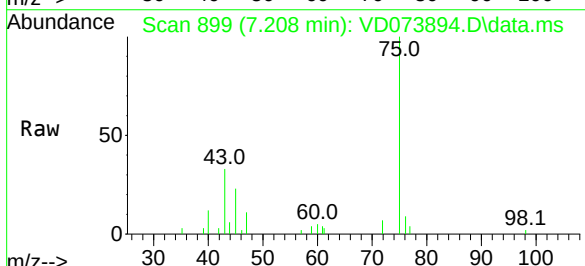
Tgt Ion: 43 Resp: 6882

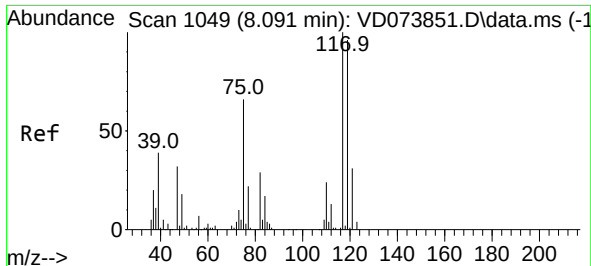
Ion Ratio Lower Upper

43 100

61 10.4 9.8 14.8

70 0.0 6.9 10.3#

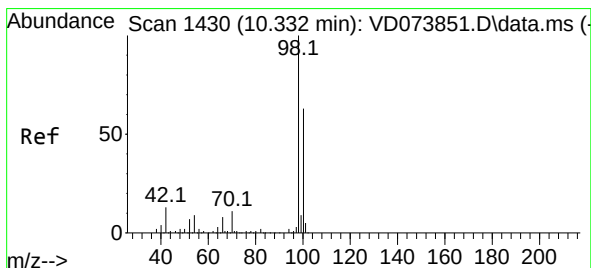
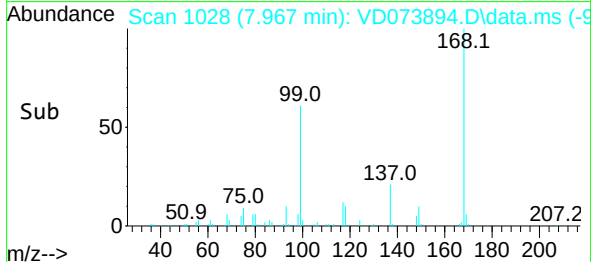
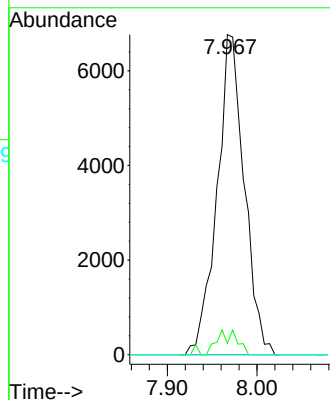
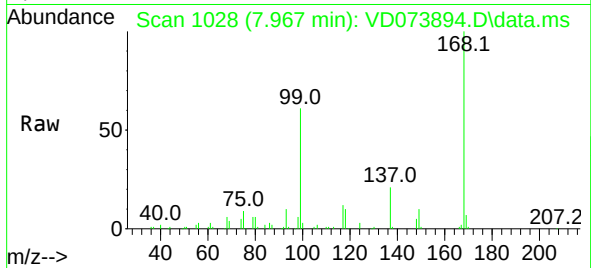




#38
Carbon Tetrachloride
Concen: 4.906 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.124 min
Lab File: VD073894.D
Acq: 21 Jul 2022 13:57

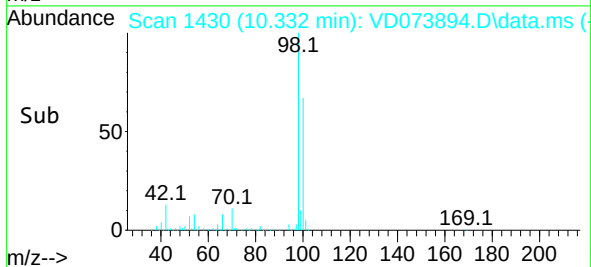
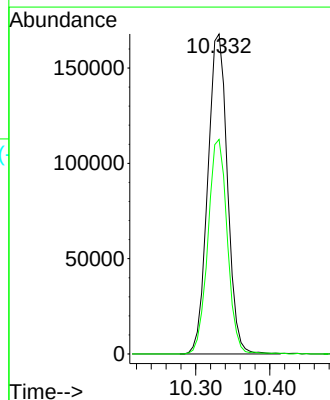
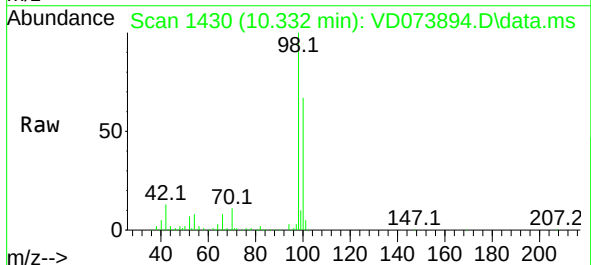
Instrument :
MSVOA_D
ClientSampleId :
COMP-2

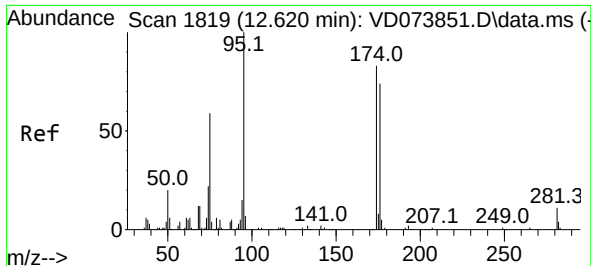
Tgt Ion:117 Resp: 14275
Ion Ratio Lower Upper
117 100
119 3.5 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.157 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073894.D
Acq: 21 Jul 2022 13:57

Tgt Ion: 98 Resp: 308721
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6

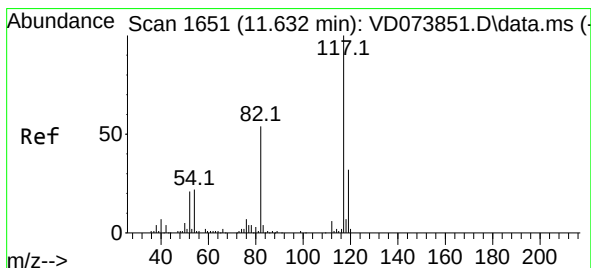
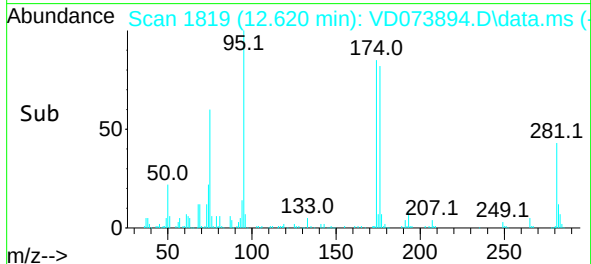
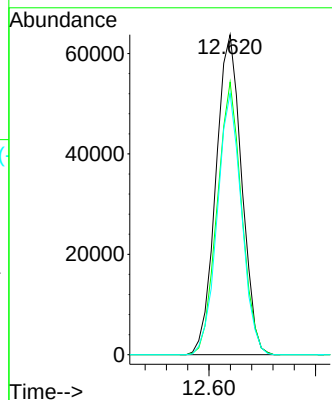
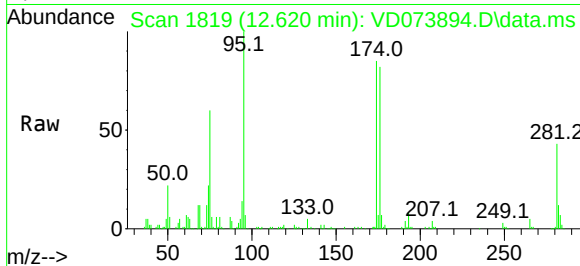




#62
4-Bromofluorobenzene
Concen: 48.590 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073894.D
Acq: 21 Jul 2022 13:57

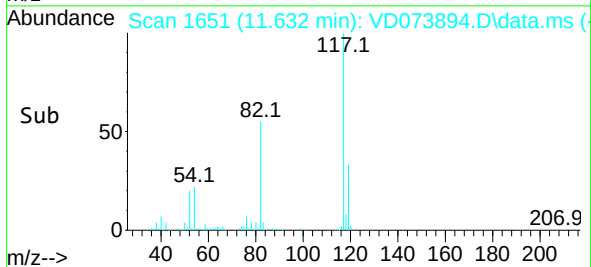
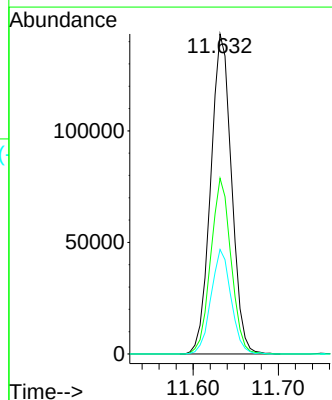
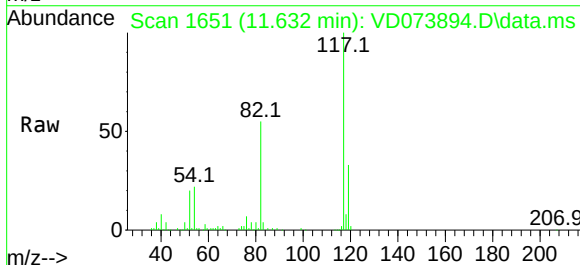
Instrument :
MSVOA_D
ClientSampleId :
COMP-2

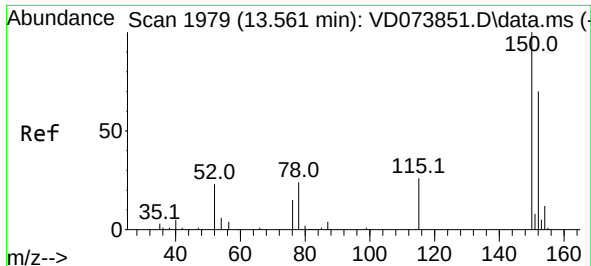
Tgt Ion: 95 Resp: 107099
Ion Ratio Lower Upper
95 100
174 80.5 0.0 152.8
176 76.5 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073894.D
Acq: 21 Jul 2022 13:57

Tgt Ion: 117 Resp: 243491
Ion Ratio Lower Upper
117 100
82 54.9 45.3 67.9
119 32.6 26.6 40.0

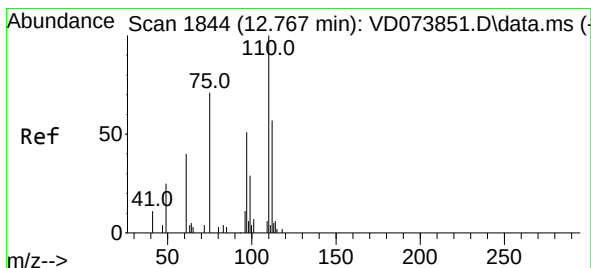
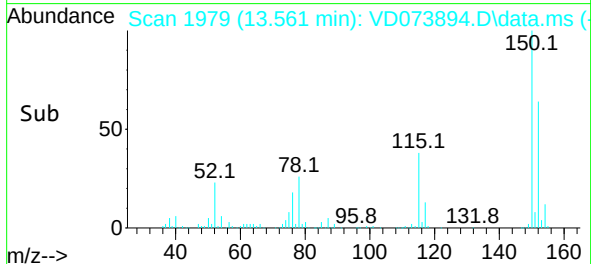
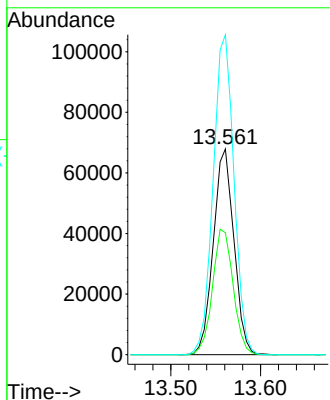
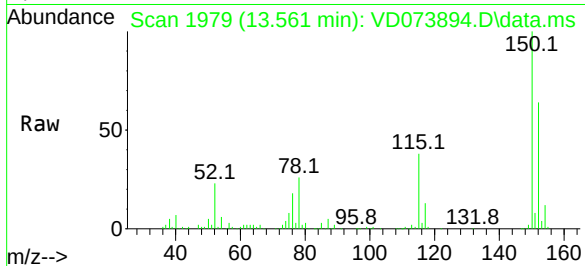




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VD073894.D
 Acq: 21 Jul 2022 13:57

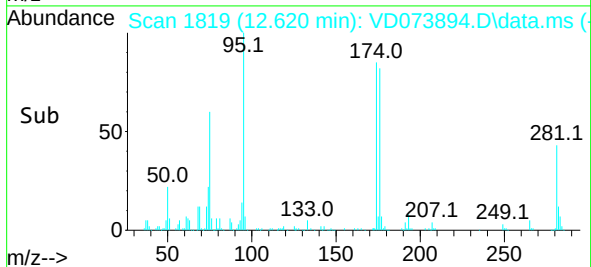
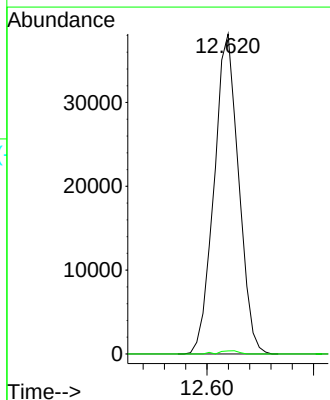
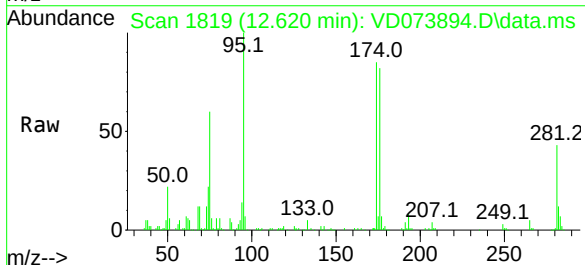
Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-2

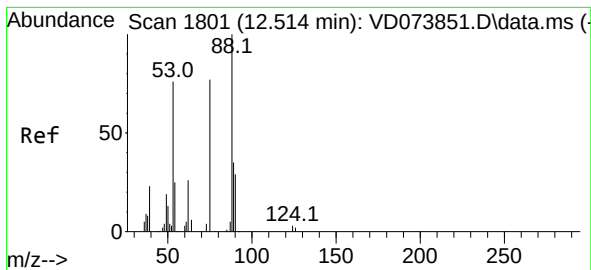
Tgt Ion:152 Resp: 108578
 Ion Ratio Lower Upper
 152 100
 115 61.1 31.3 93.8
 150 156.7 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 52.344 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073894.D
 Acq: 21 Jul 2022 13:57

Tgt Ion: 75 Resp: 60981
 Ion Ratio Lower Upper
 75 100
 77 0.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 141.248 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD073894.D
 Acq: 21 Jul 2022 13:57

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-2

Tgt Ion: 75 Resp: 60981
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.5 33.9 50.9#

