

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070722\
 Data File : VD073811.D
 Acq On : 07 Jul 2022 16:28
 Operator : VA/SY
 Sample : N3593-02
 Misc : 4.88G/5.00ml/MSVOA_D/SoIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20220483B-1B

Quant Time: Jul 08 06:33:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D070622S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 05:39:57 2022
 Response via : Initial Calibration

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

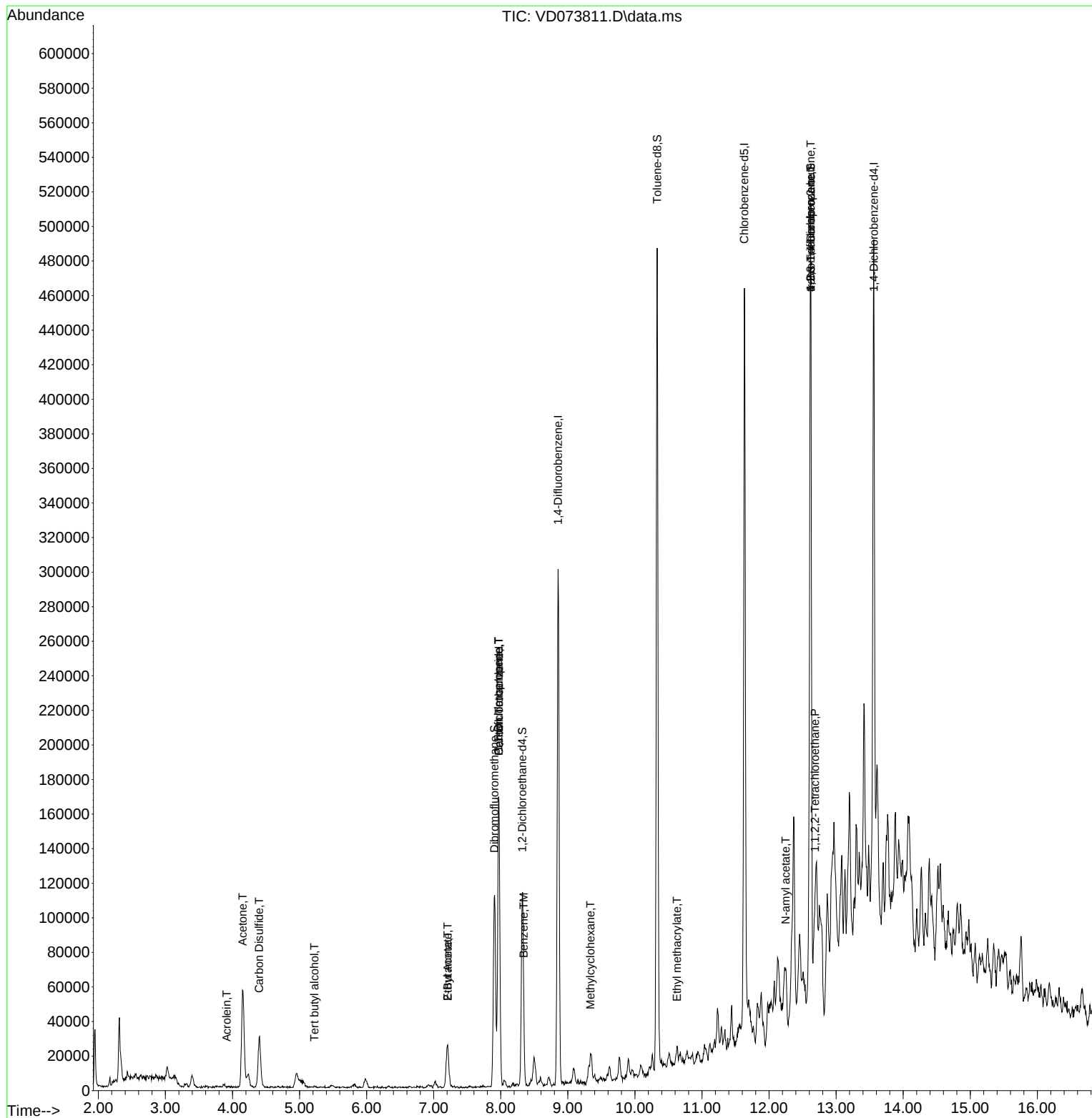
Internal Standards						
1) Pentafluorobenzene	7.973	168	106373	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	241121	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	224625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	94075	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	87873	67.140	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.280%			
35) Dibromofluoromethane	7.902	113	80071	54.121	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.240%			
50) Toluene-d8	10.332	98	306024	61.059	ug/l	0.00
Spiked Amount 50.000	Range 78 - 12		Recovery = 122.120%#			
62) 4-Bromofluorobenzene	12.620	95	107430	52.147	ug/l	0.00
Spiked Amount 50.000	Range 50 - 14		Recovery = 104.300%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	76	Below Cal	#	42
3) Chloromethane	2.209	50	347	Below Cal	#	40
4) Vinyl Chloride	2.344	62	509	Below Cal	#	45
5) Bromomethane	2.762	94	112	Below Cal	#	1
11) Tert butyl alcohol	5.220	59	740	1.657	ug/l #	91
13) Acrolein	3.914	56	190	22.702	ug/l	92
16) Acetone	4.150	43	98302	434.819	ug/l	90
17) Carbon Disulfide	4.397	76	58452	50.009	ug/l	100
18) Methyl Acetate	4.732	43	391	Below Cal	#	53
20) Methylene Chloride	4.956	84	5515	Below Cal	#	84
25) 2-Butanone	7.208	43	38217	88.885	ug/l	97
31) Cyclohexane	7.973	56	5347	Below Cal	#	60
36) 1,1-Dichloropropene	7.967	75	10629	5.615	ug/l #	49
37) Ethyl Acetate	7.208	43	38217	33.854	ug/l #	70
38) Carbon Tetrachloride	7.973	117	12160	5.651	ug/l #	11
39) Methylcyclohexane	9.338	83	6165	3.154	ug/l #	91
40) Benzene	8.344	78	6593	1.178	ug/l	95
56) Ethyl methacrylate	10.626	69	3932	2.384	ug/l #	75
64) Tetrachloroethene	10.932	164	83	Below Cal	#	1
74) N-amyl acetate	12.249	43	13925	6.814	ug/l #	63
75) 1,1,2,2-Tetrachloroethane	12.685	83	8817	5.860	ug/l #	26
76) 1,2,3-Trichloropropane	12.620	75	60505	59.072	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	60505	131.972	ug/l #	12

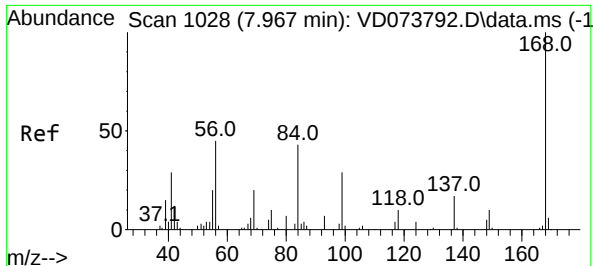
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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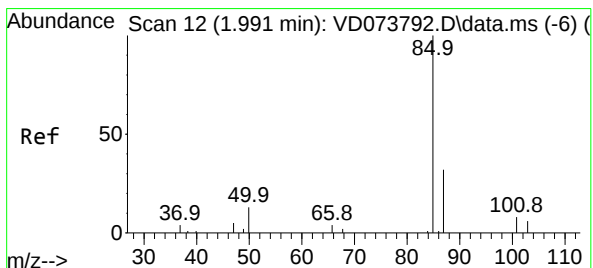
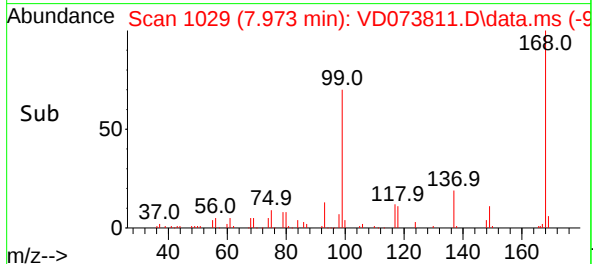
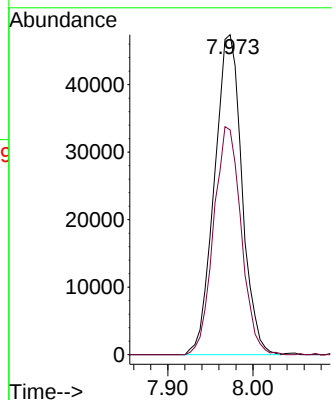
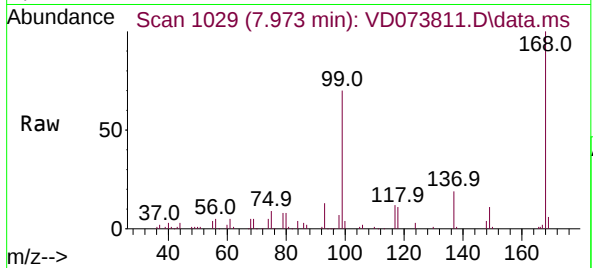




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD073811.D
Acq: 07 Jul 2022 16:28

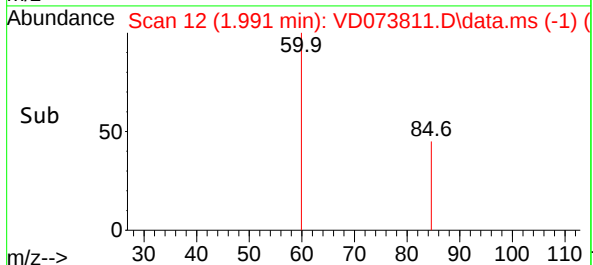
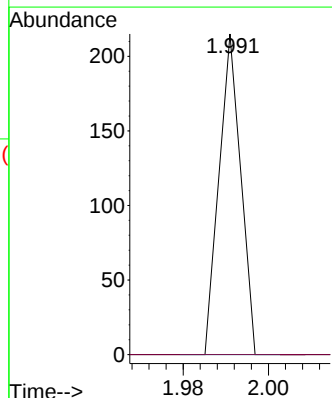
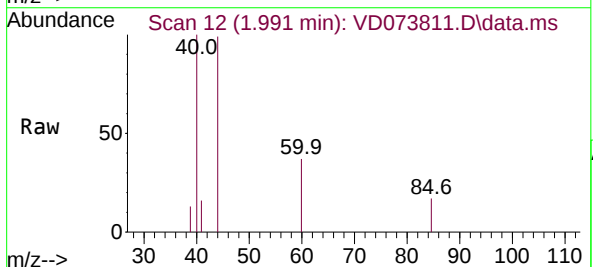
Instrument :
MSVOA_D
ClientSampleId :
20220483B-1B

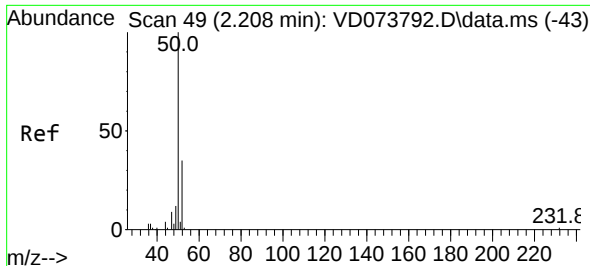
Tgt Ion:168 Resp: 106373
Ion Ratio Lower Upper
168 100
99 70.2 58.4 87.6



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. -0.000 min
Lab File: VD073811.D
Acq: 07 Jul 2022 16:28

Tgt Ion: 85 Resp: 76
Ion Ratio Lower Upper
85 100
87 0.0 16.2 48.5#

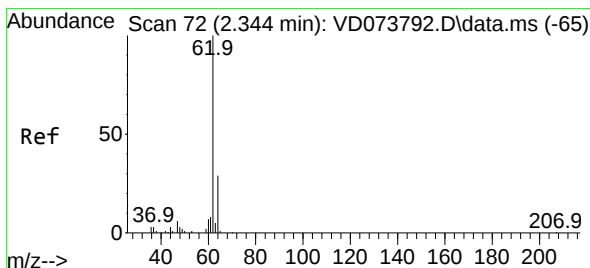
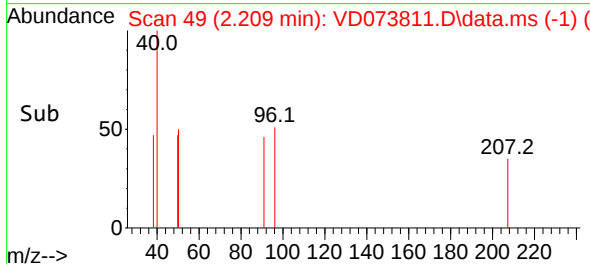
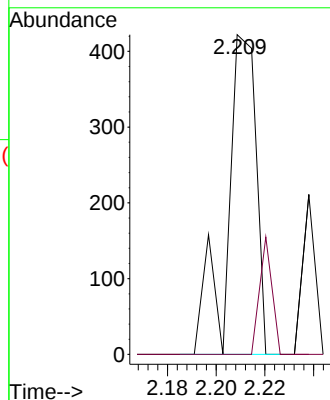
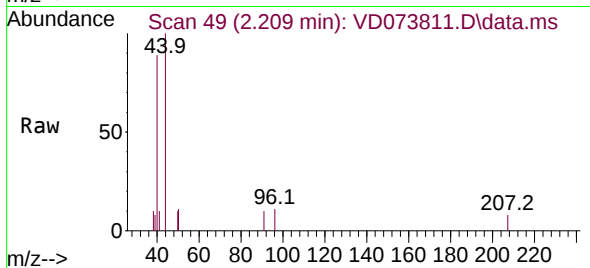




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. 0.001 min
Lab File: VD073811.D
Acq: 07 Jul 2022 16:28

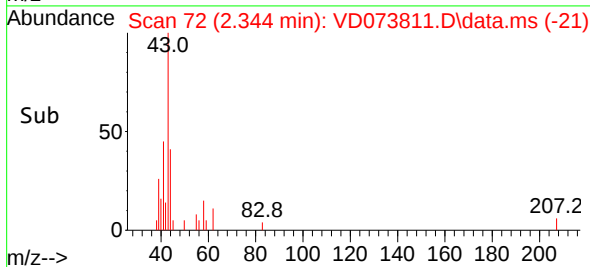
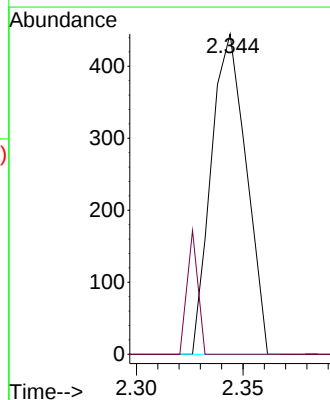
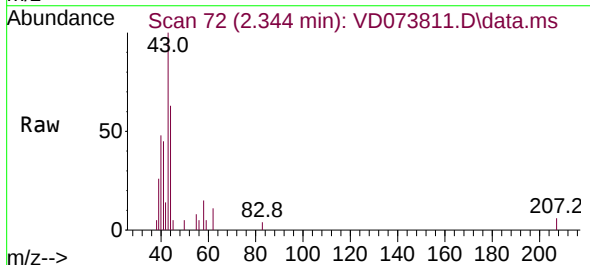
Instrument :
MSVOA_D
ClientSampleId :
20220483B-1B

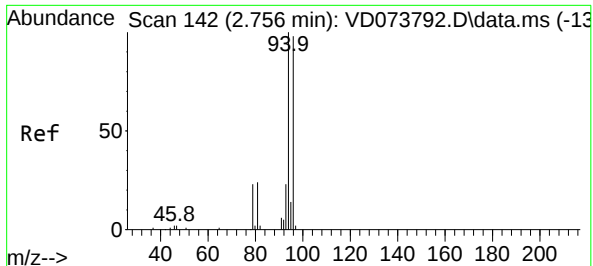
Tgt Ion: 50 Resp: 347
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.344 min Scan# 72
Delta R.T. -0.000 min
Lab File: VD073811.D
Acq: 07 Jul 2022 16:28

Tgt Ion: 62 Resp: 509
Ion Ratio Lower Upper
62 100
64 0.0 23.4 35.2#

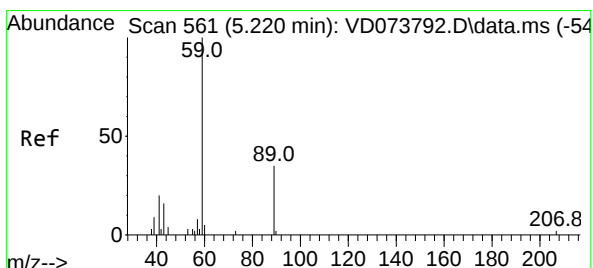
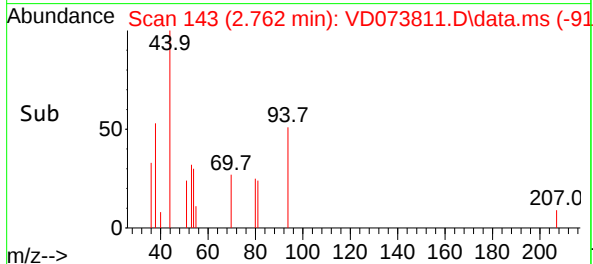
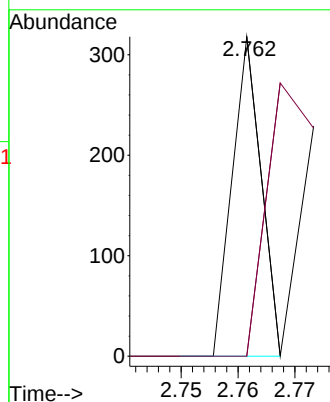
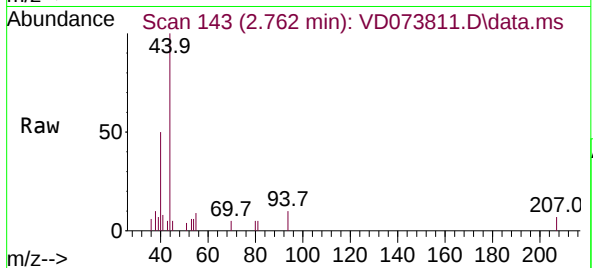




#5
Bromomethane
Concen: Below Cal
RT: 2.762 min Scan# 142
Delta R.T. 0.006 min
Lab File: VD073811.D
Acq: 07 Jul 2022 16:28

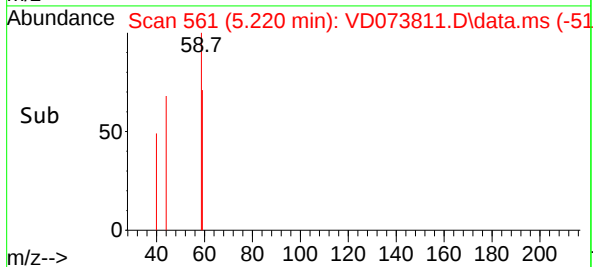
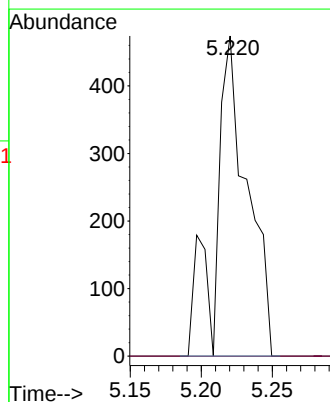
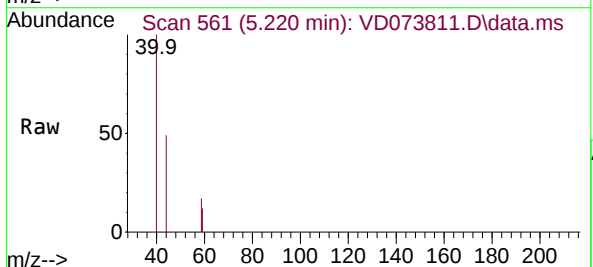
Instrument :
MSVOA_D
ClientSampleId :
20220483B-1B

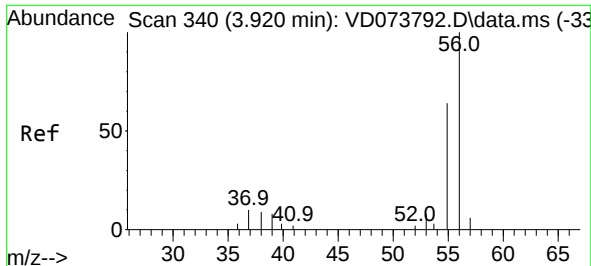
Tgt Ion: 94 Resp: 112
Ion Ratio Lower Upper
94 100
96 0.0 78.3 117.5#



#11
Tert butyl alcohol
Concen: 1.657 ug/l
RT: 5.220 min Scan# 561
Delta R.T. 0.000 min
Lab File: VD073811.D
Acq: 07 Jul 2022 16:28

Tgt Ion: 59 Resp: 740
Ion Ratio Lower Upper
59 100
57 0.0 2.4 3.6#





#13

Acrolein

Concen: 22.702 ug/l

RT: 3.914 min Scan# 31

Delta R.T. -0.006 min

Lab File: VD073811.D

Acq: 07 Jul 2022 16:28

Instrument :

MSVOA_D

ClientSampleId :

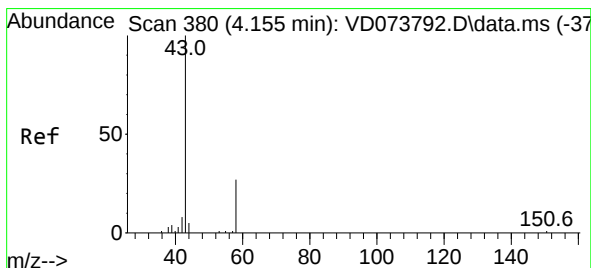
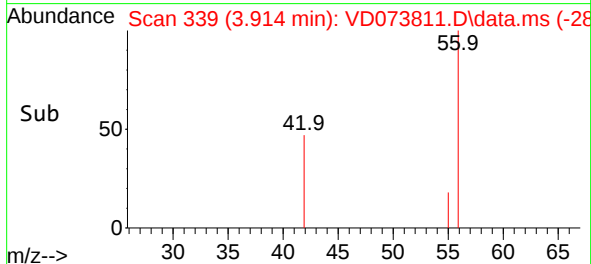
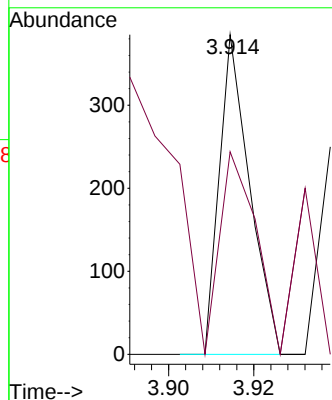
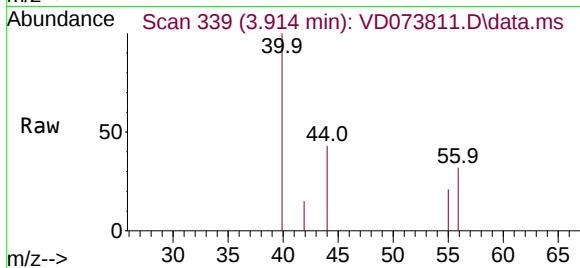
20220483B-1B

Tgt Ion: 56 Resp: 190

Ion Ratio Lower Upper

56 100

55 75.8 55.4 83.2



#16

Acetone

Concen: 434.819 ug/l

RT: 4.150 min Scan# 379

Delta R.T. -0.005 min

Lab File: VD073811.D

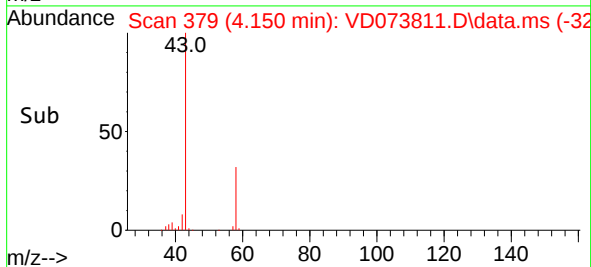
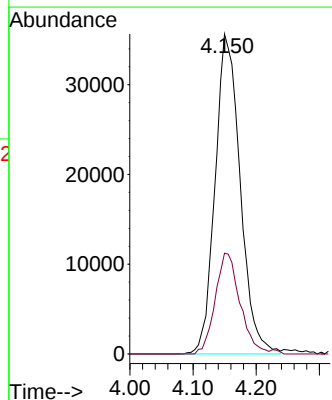
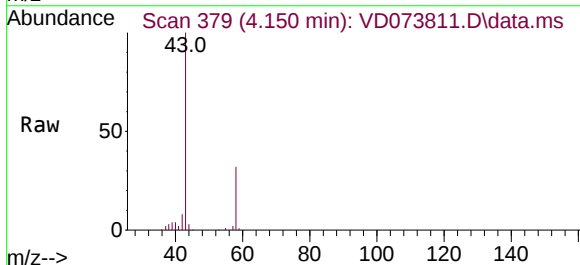
Acq: 07 Jul 2022 16:28

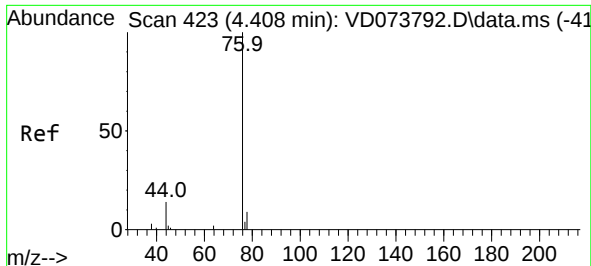
Tgt Ion: 43 Resp: 98302

Ion Ratio Lower Upper

43 100

58 31.5 21.3 31.9





#17

Carbon Disulfide

Concen: 50.009 ug/l

RT: 4.397 min Scan# 41

Delta R.T. -0.011 min

Lab File: VD073811.D

Acq: 07 Jul 2022 16:28

Instrument :

MSVOA_D

ClientSampleId :

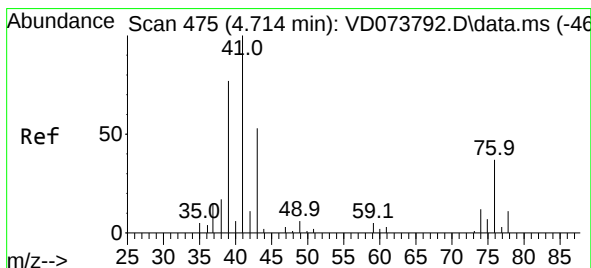
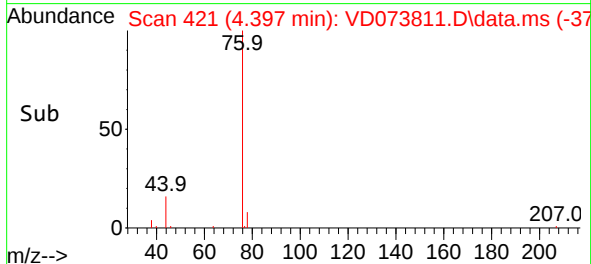
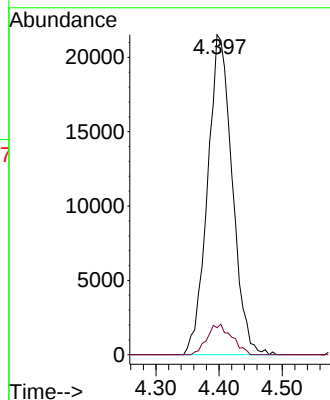
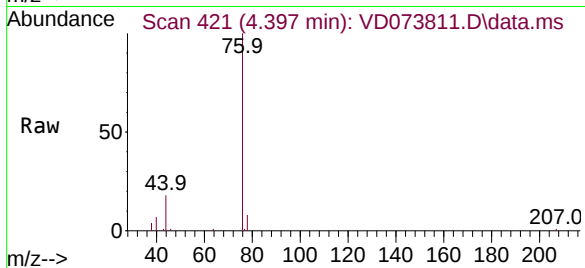
20220483B-1B

Tgt Ion: 76 Resp: 58452

Ion Ratio Lower Upper

76 100

78 8.5 6.8 10.2



#18

Methyl Acetate

Concen: Below Cal

RT: 4.732 min Scan# 478

Delta R.T. 0.018 min

Lab File: VD073811.D

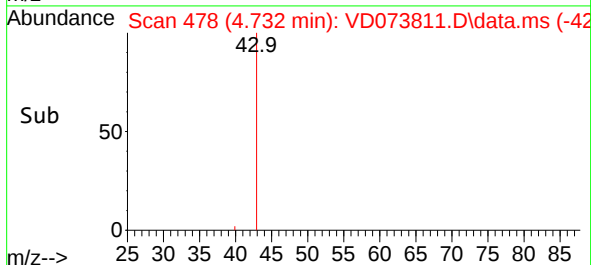
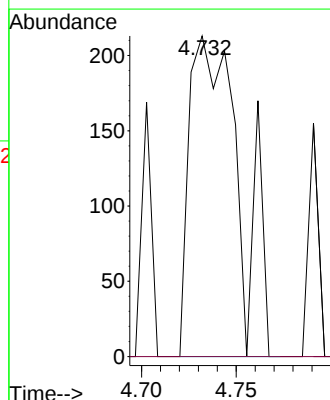
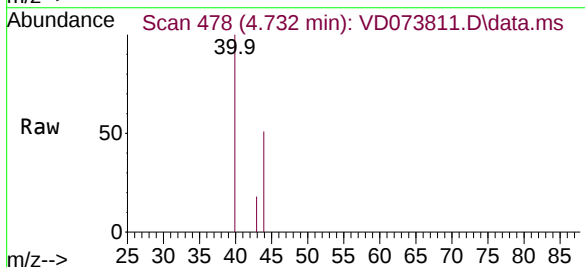
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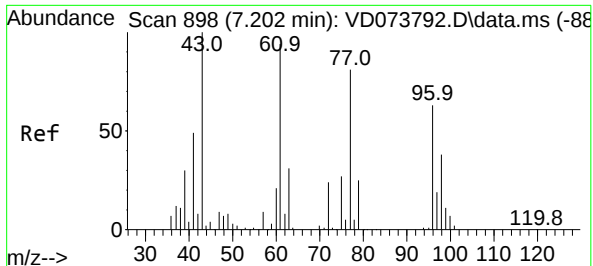
Tgt Ion: 43 Resp: 391

Ion Ratio Lower Upper

43 100

74 0.0 18.3 27.5#

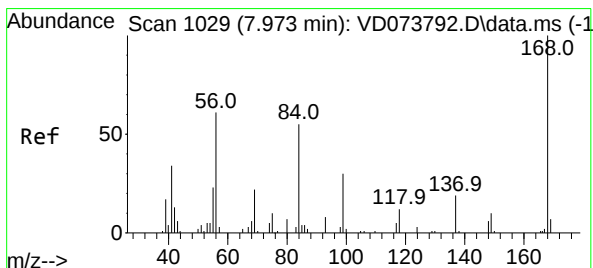
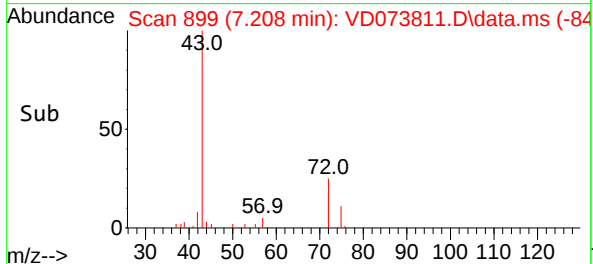
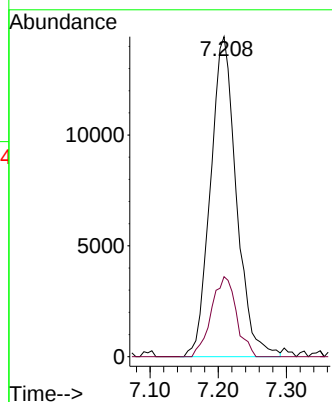
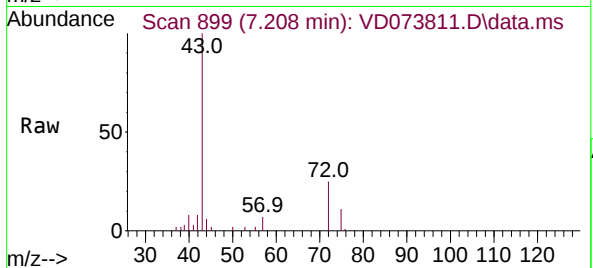




#25
2-Butanone
Concen: 88.885 ug/l
RT: 7.208 min Scan# 898
Delta R.T. 0.006 min
Lab File: VD073811.D
Acq: 07 Jul 2022 16:28

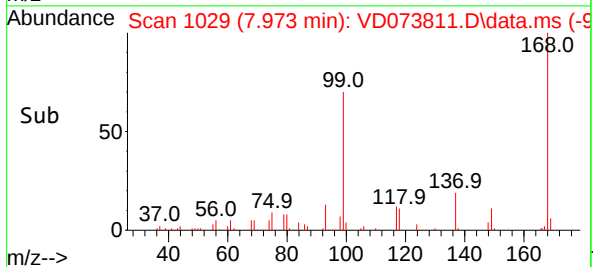
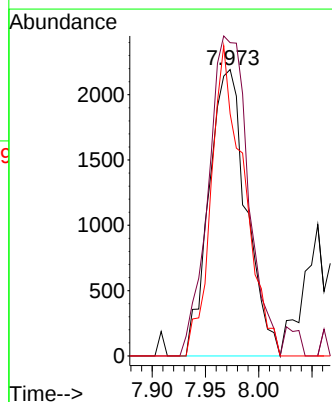
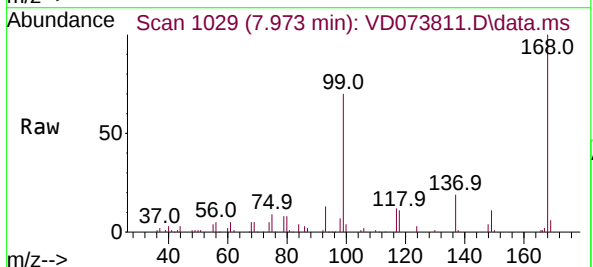
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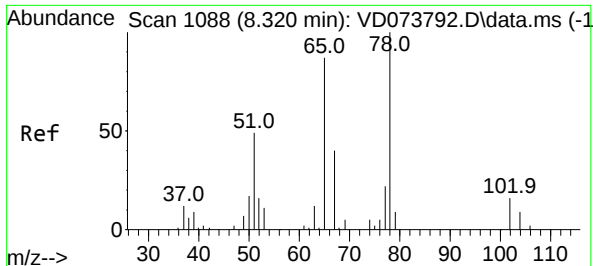
Tgt Ion: 43 Resp: 38217
Ion Ratio Lower Upper
43 100
72 25.0 18.8 28.2



#31
Cyclohexane
Concen: Below Cal
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073811.D
Acq: 07 Jul 2022 16:28

Tgt Ion: 56 Resp: 5347
Ion Ratio Lower Upper
56 100
69 109.4 29.4 44.2#
84 84.5 72.1 108.1





#33

1,2-Dichloroethane-d4

Concen: 67.140 ug/l

RT: 8.320 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD073811.D

Acq: 07 Jul 2022 16:28

Instrument :

MSVOA_D

ClientSampleId :

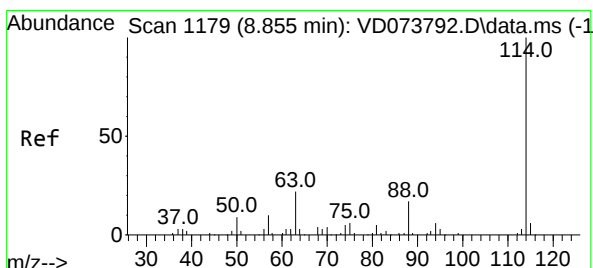
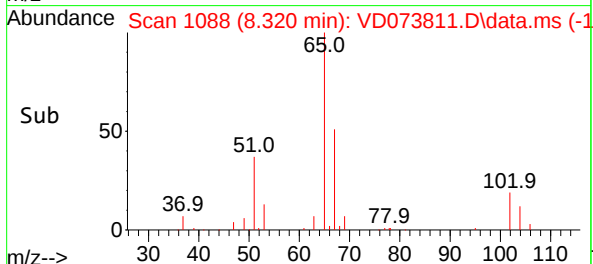
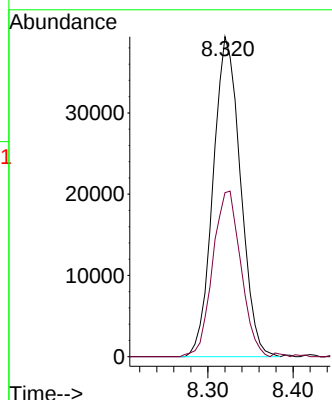
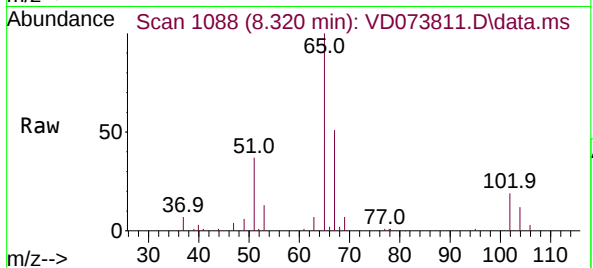
20220483B-1B

Tgt Ion: 65 Resp: 87873

Ion Ratio Lower Upper

65 100

67 53.2 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073811.D

Acq: 07 Jul 2022 16:28

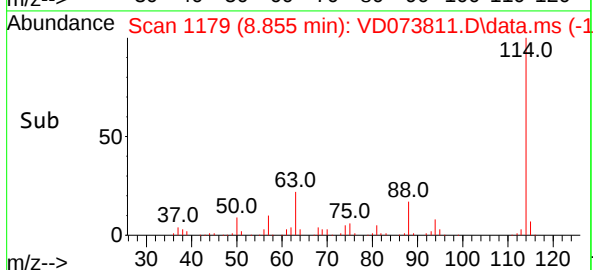
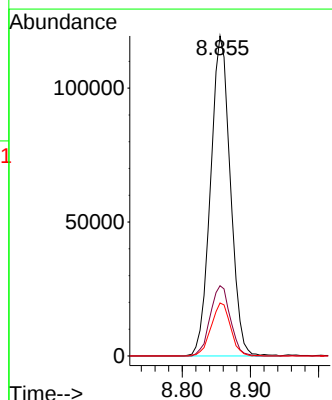
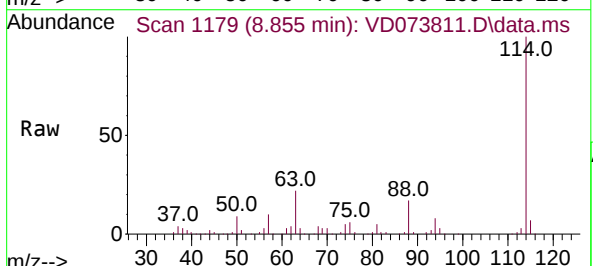
Tgt Ion: 114 Resp: 241121

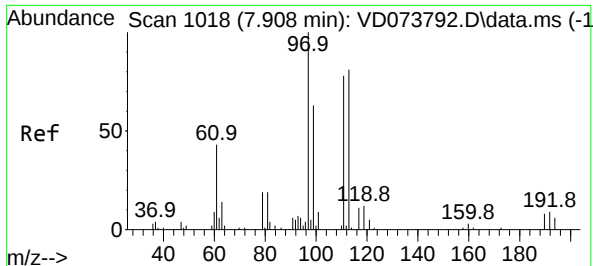
Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.2

88 16.5 0.0 33.6





#35

Dibromofluoromethane

Concen: 54.121 ug/l

RT: 7.902 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073811.D

Acq: 07 Jul 2022 16:28

Instrument :

MSVOA_D

ClientSampleId :

20220483B-1B

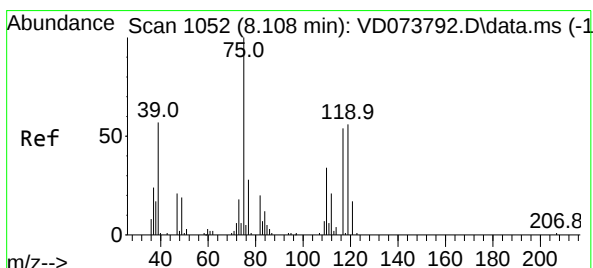
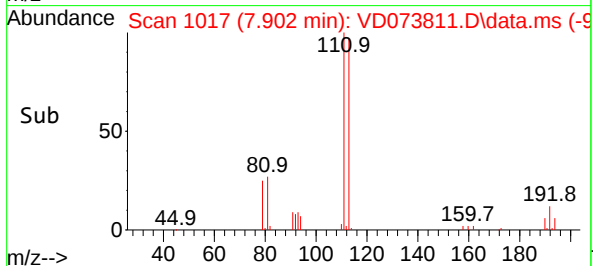
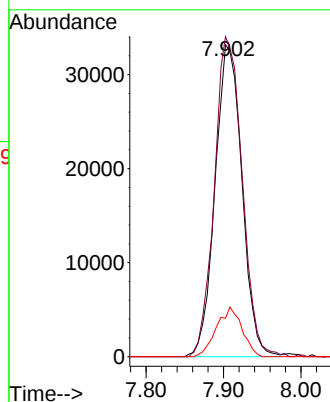
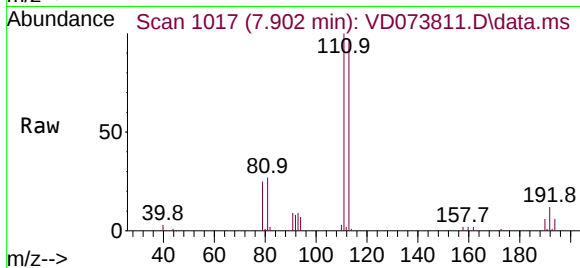
Tgt Ion:113 Resp: 80071

Ion Ratio Lower Upper

113 100

111 105.9 82.7 124.1

192 15.1 11.7 17.5



#36

1,1-Dichloropropene

Concen: 5.615 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073811.D

Acq: 07 Jul 2022 16:28

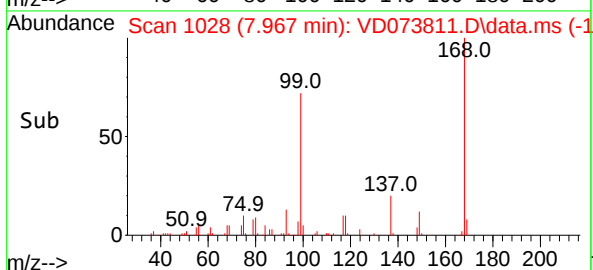
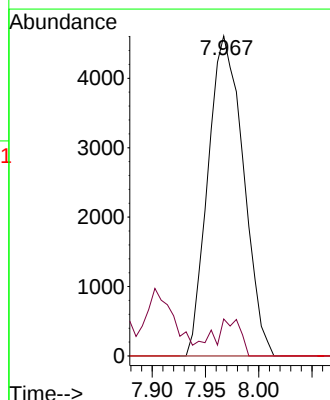
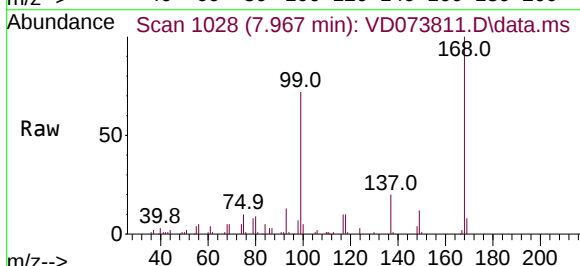
Tgt Ion: 75 Resp: 10629

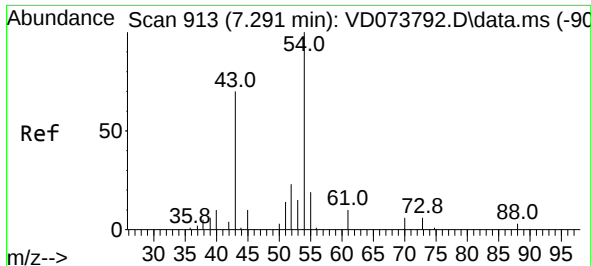
Ion Ratio Lower Upper

75 100

110 7.7 16.9 50.7#

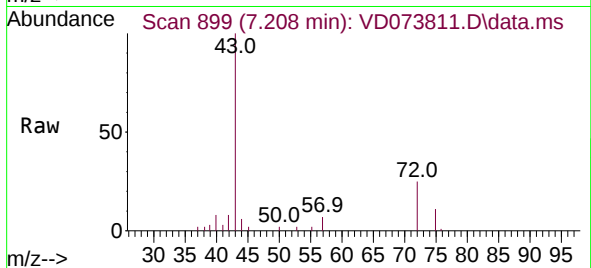
77 0.0 24.8 37.2#



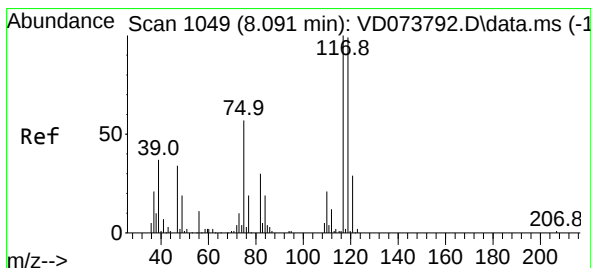
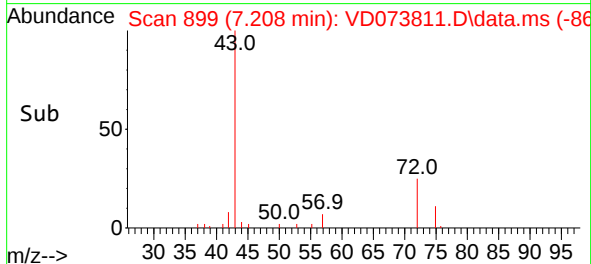
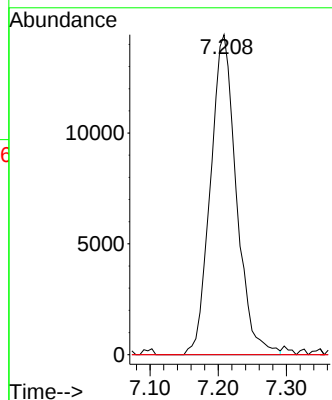


#37
Ethyl Acetate
Concen: 33.854 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.082 min
Lab File: VD073811.D
Acq: 07 Jul 2022 16:28

Instrument :
MSVOA_D
ClientSampleId :
20220483B-1B

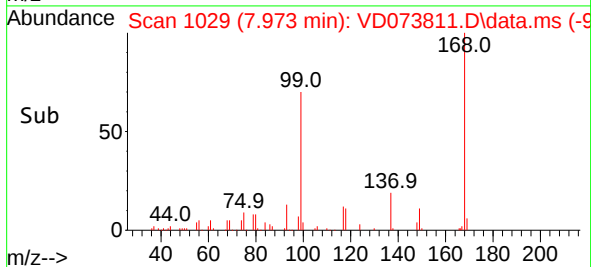
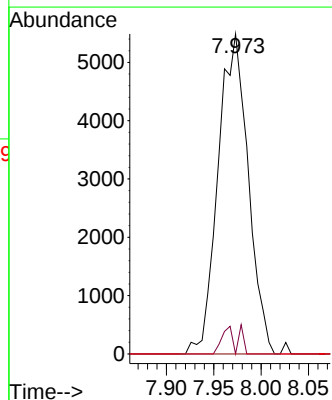
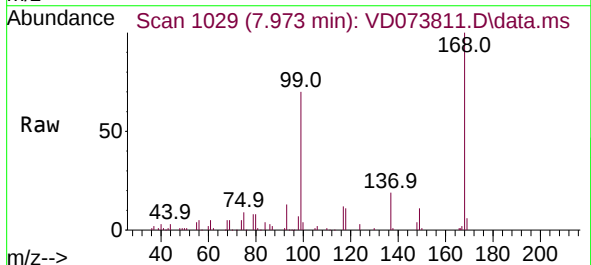


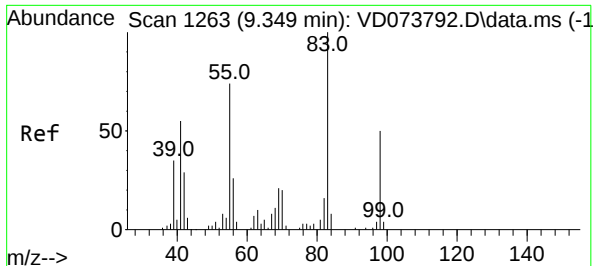
Tgt Ion: 43 Resp: 38217
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.0 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 5.651 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.117 min
Lab File: VD073811.D
Acq: 07 Jul 2022 16:28

Tgt Ion: 117 Resp: 12160
Ion Ratio Lower Upper
117 100
119 0.0 79.3 118.9#
121 0.0 22.9 34.3#





#39

Methylcyclohexane

Concen: 3.154 ug/l

RT: 9.338 min Scan# 11

Delta R.T. -0.012 min

Lab File: VD073811.D

Acq: 07 Jul 2022 16:28

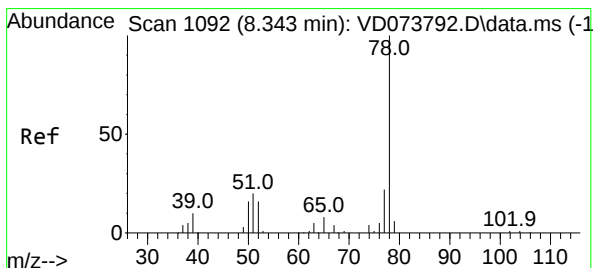
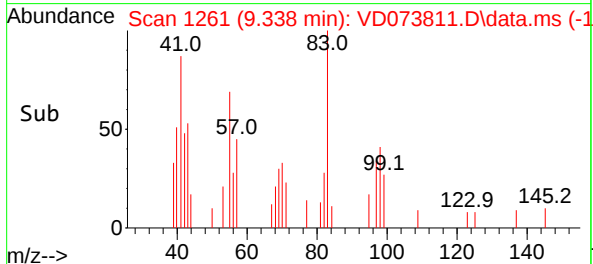
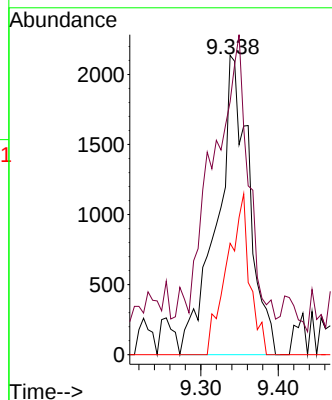
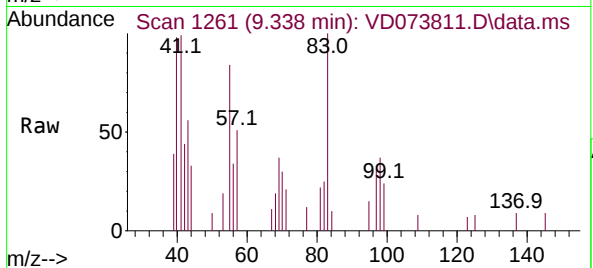
Instrument :

MSVOA_D

ClientSampleId :

20220483B-1B

Tgt Ion: 83	Resp: 6165
Ion Ratio	Lower Upper
83	100
55	71.7 59.3 88.9
98	37.2 40.4 60.6#



#40

Benzene

Concen: 1.178 ug/l

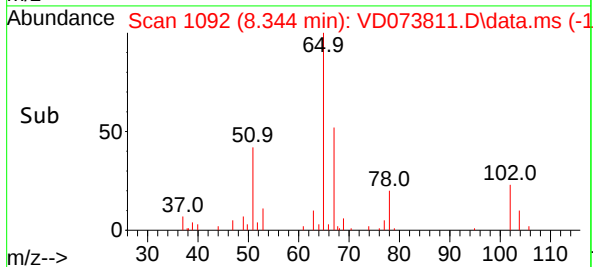
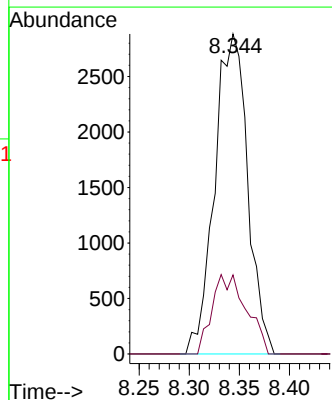
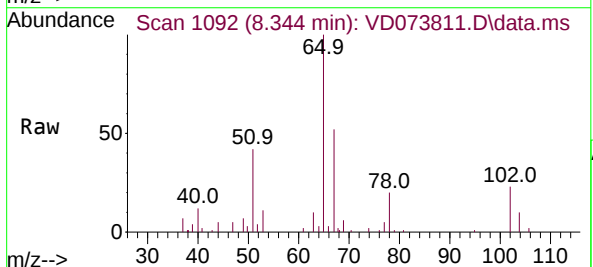
RT: 8.344 min Scan# 1092

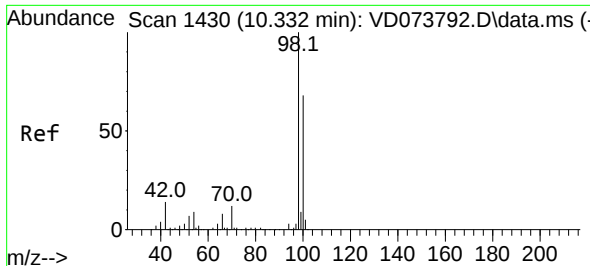
Delta R.T. 0.000 min

Lab File: VD073811.D

Acq: 07 Jul 2022 16:28

Tgt Ion: 78	Resp: 6593
Ion Ratio	Lower Upper
78	100
77	24.7 17.8 26.6

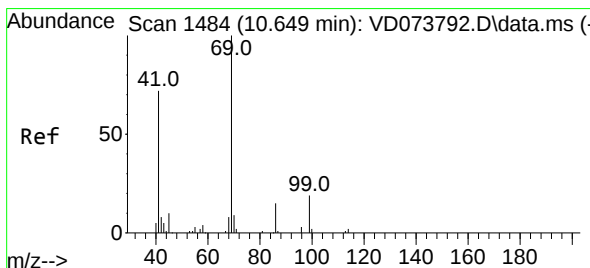
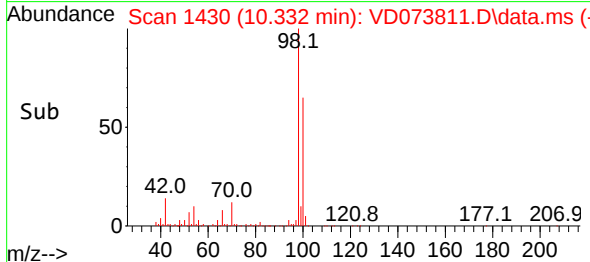
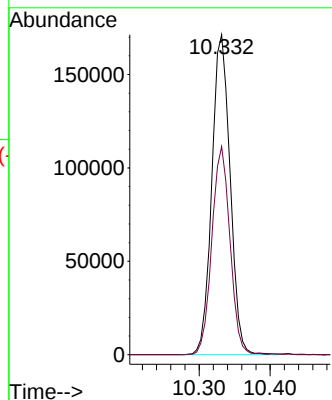
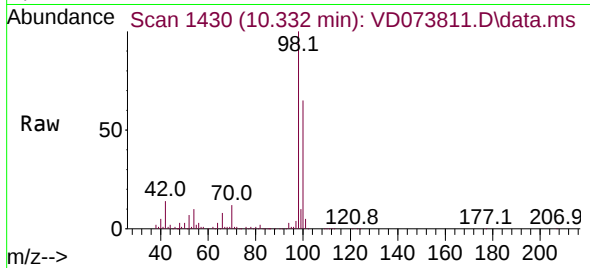




#50
Toluene-d8
Concen: 61.059 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073811.D
Acq: 07 Jul 2022 16:28

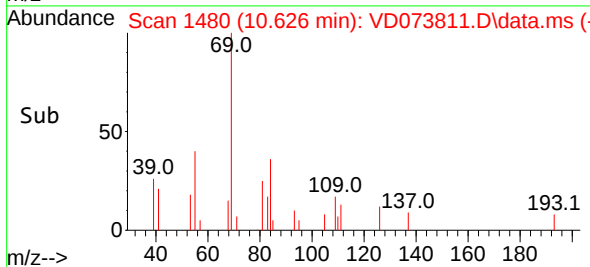
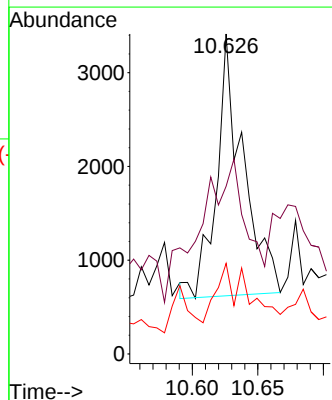
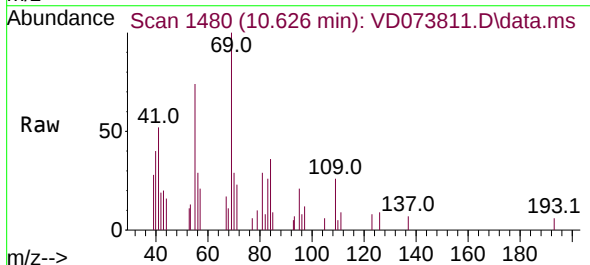
Instrument :
MSVOA_D
ClientSampleId :
20220483B-1B

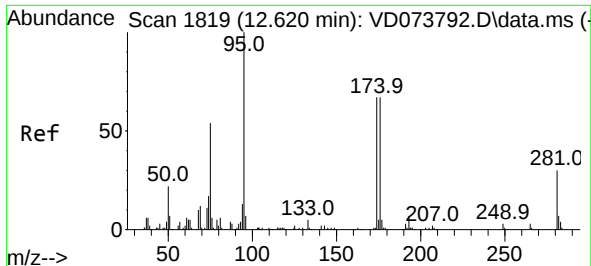
Tgt Ion: 98 Resp: 306024
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



#56
Ethyl methacrylate
Concen: 2.384 ug/l
RT: 10.626 min Scan# 1480
Delta R.T. -0.023 min
Lab File: VD073811.D
Acq: 07 Jul 2022 16:28

Tgt Ion: 69 Resp: 3932
Ion Ratio Lower Upper
69 100
41 98.2 58.1 87.1#
39 35.4 36.6 54.8#

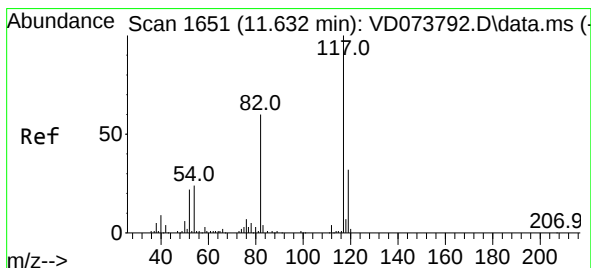
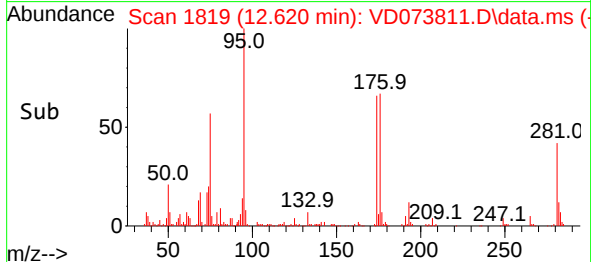
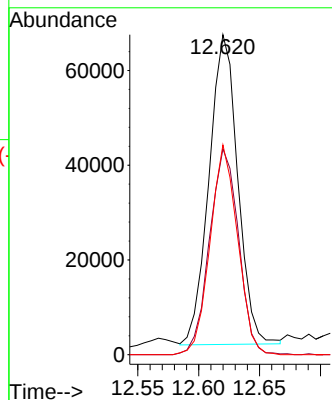
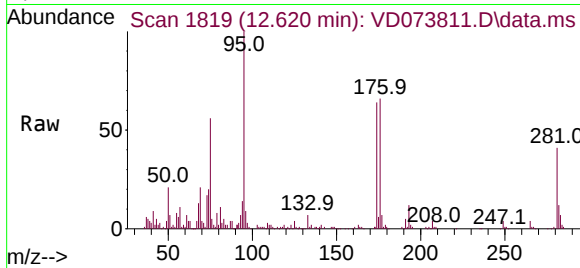




#62
4-Bromofluorobenzene
Concen: 52.147 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073811.D
Acq: 07 Jul 2022 16:28

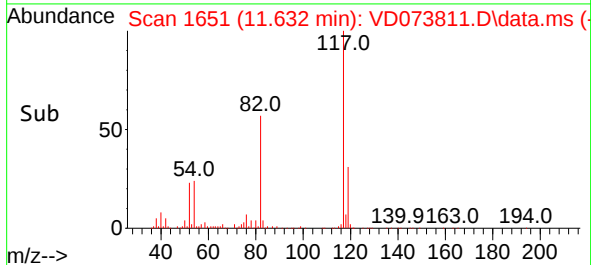
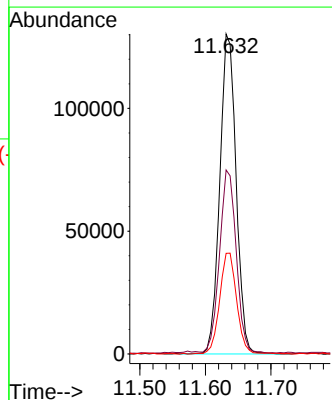
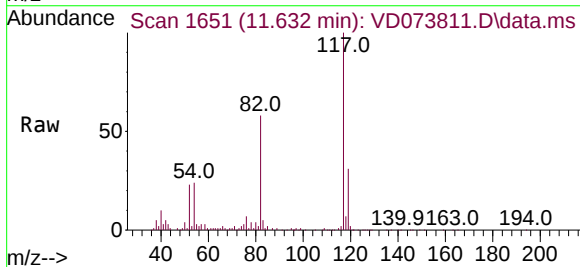
Instrument :
MSVOA_D
ClientSampleId :
20220483B-1B

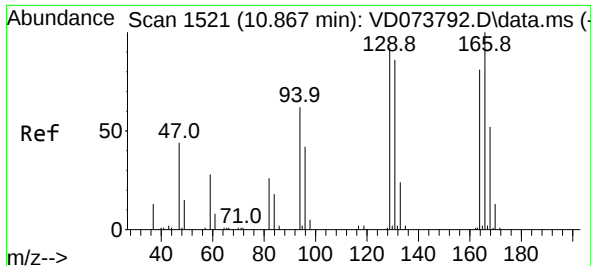
Tgt Ion: 95 Resp: 107430
Ion Ratio Lower Upper
95 100
174 67.1 0.0 132.4
176 64.7 0.0 129.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. 0.000 min
Lab File: VD073811.D
Acq: 07 Jul 2022 16:28

Tgt Ion: 117 Resp: 224625
Ion Ratio Lower Upper
117 100
82 57.1 48.2 72.2
119 31.5 25.2 37.8

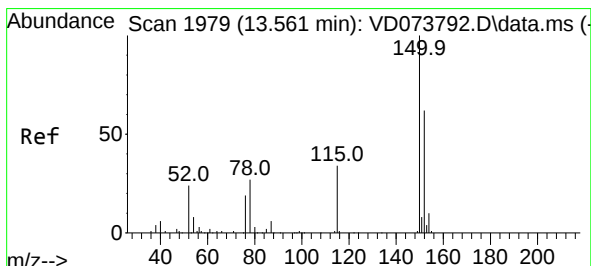
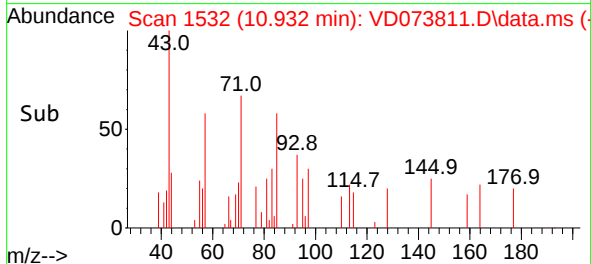
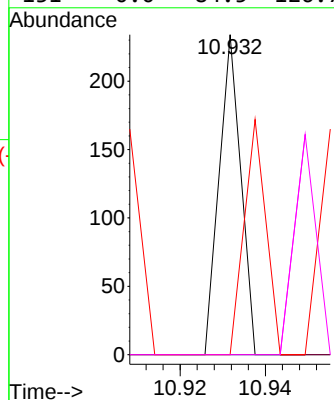
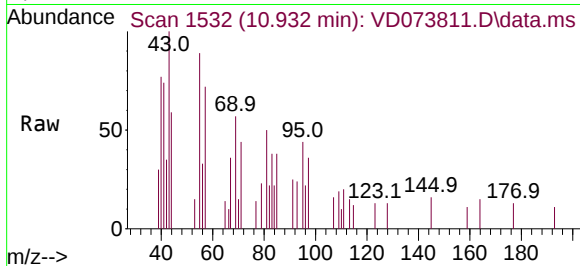




#64
Tetrachloroethene
Concen: Below Cal
RT: 10.932 min Scan# 11
Delta R.T. 0.065 min
Lab File: VD073811.D
Acq: 07 Jul 2022 16:28

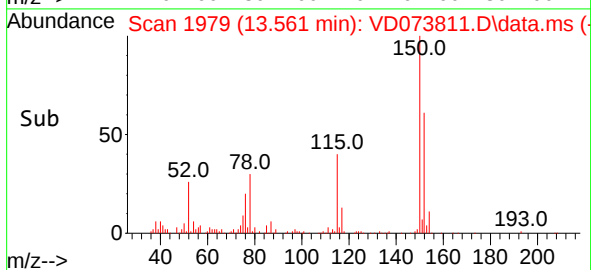
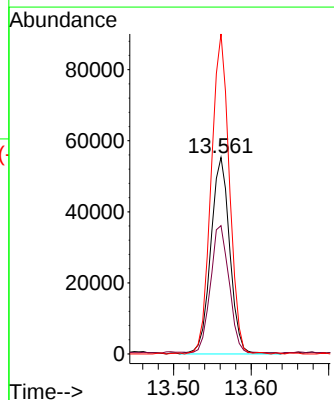
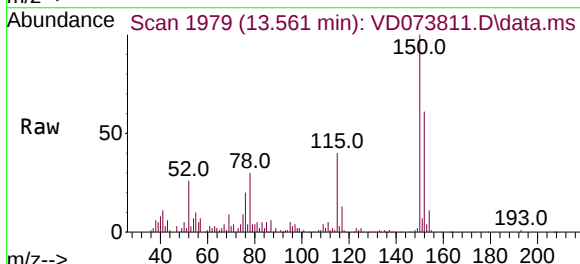
Instrument :
MSVOA_D
ClientSampleId :
20220483B-1B

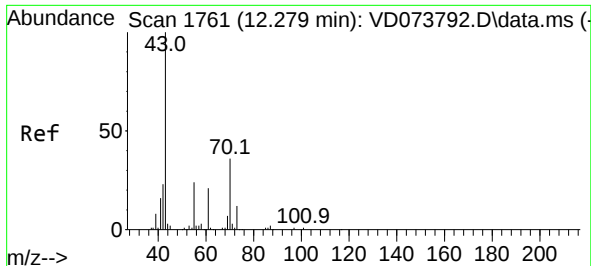
Tgt Ion:164	Resp:	83
Ion Ratio	Lower	Upper
164	100	
166	0.0	98.8 148.2#
129	0.0	91.0 136.4#
131	0.0	84.5 126.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073811.D
Acq: 07 Jul 2022 16:28

Tgt Ion:152	Resp:	94075
Ion Ratio	Lower	Upper
152	100	
115	63.5	32.2 96.6
150	155.9	0.0 353.0

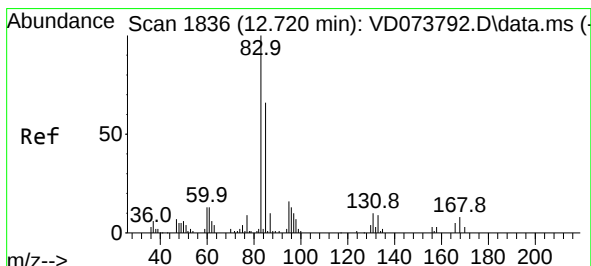
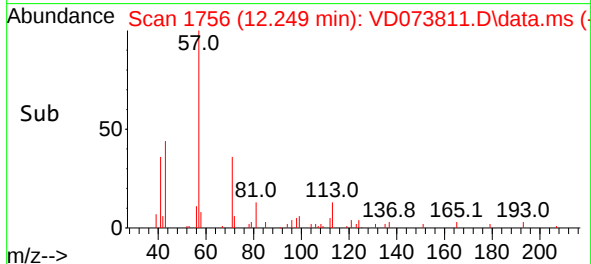
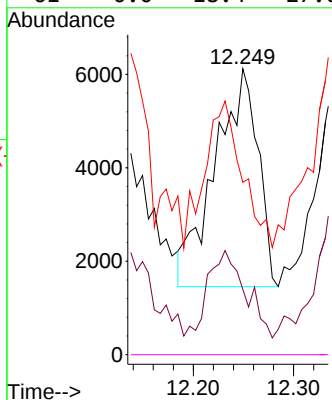
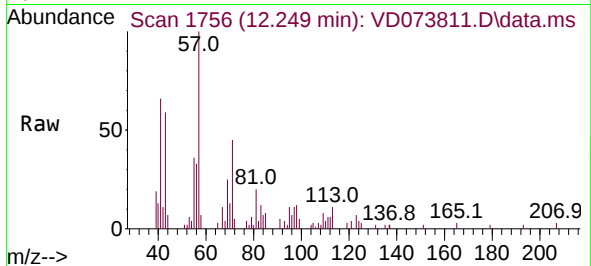




#74
N-amy1 acetate
Concen: 6.814 ug/l
RT: 12.249 min Scan# 11
Delta R.T. -0.029 min
Lab File: VD073811.D
Acq: 07 Jul 2022 16:28

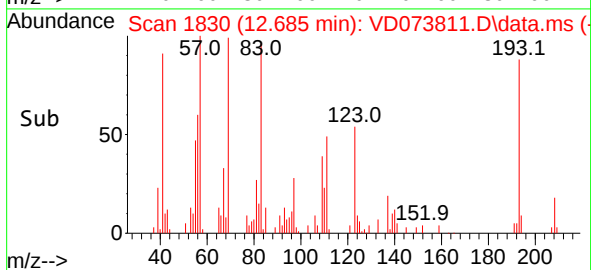
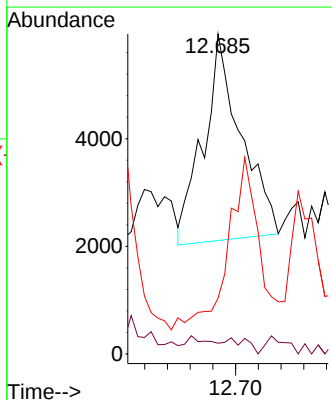
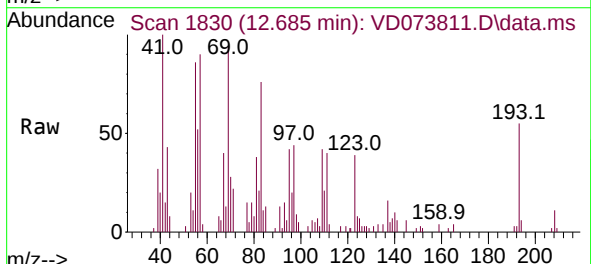
Instrument :
MSVOA_D
ClientSampleId :
20220483B-1B

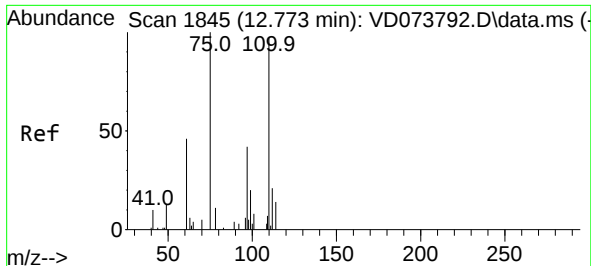
Tgt Ion:	43	Resp:	13925
Ion	Ratio	Lower	Upper
43	100		
70	33.5	31.5	47.3
55	58.2	18.5	27.7#
61	0.0	18.4	27.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 5.860 ug/l
RT: 12.685 min Scan# 1830
Delta R.T. -0.035 min
Lab File: VD073811.D
Acq: 07 Jul 2022 16:28

Tgt Ion:	83	Resp:	8817
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.2	15.6#
85	0.0	32.0	96.0#

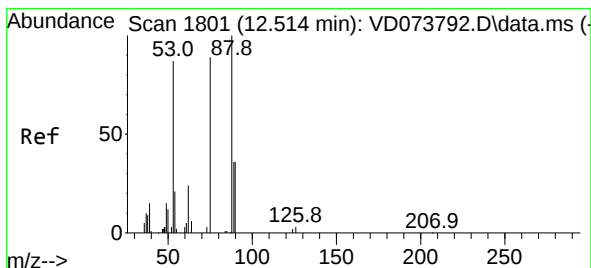
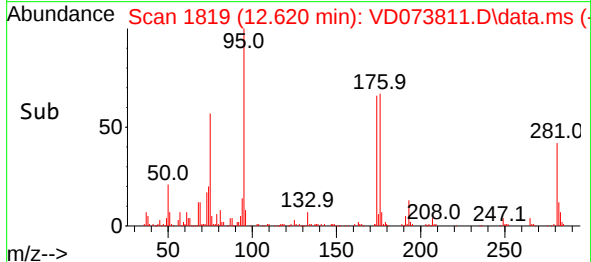
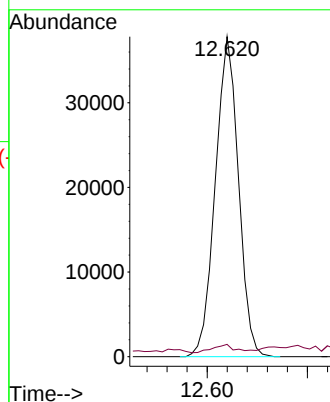
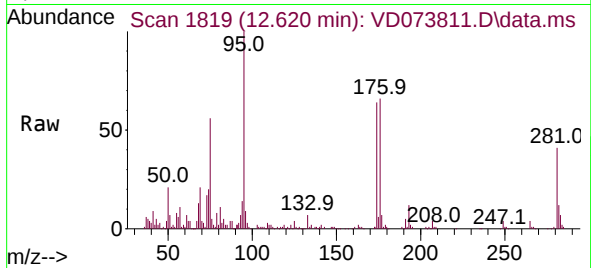




#76
1,2,3-Trichloropropane
Concen: 59.072 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD073811.D
Acq: 07 Jul 2022 16:28

Instrument :
MSVOA_D
ClientSampleId :
20220483B-1B

Tgt Ion: 75 Resp: 60505
Ion Ratio Lower Upper
75 100
77 2.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.972 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073811.D
Acq: 07 Jul 2022 16:28

Tgt Ion: 75 Resp: 60505
Ion Ratio Lower Upper
75 100
53 1.0 77.6 116.4#
89 0.8 37.2 55.8#

