

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070722\
 Data File : VD073814.D
 Acq On : 07 Jul 2022 17:58
 Operator : VA/SY
 Sample : N3593-05
 Misc : 8.40G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20220484B-2B

Quant Time: Jul 08 06:34:33 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)

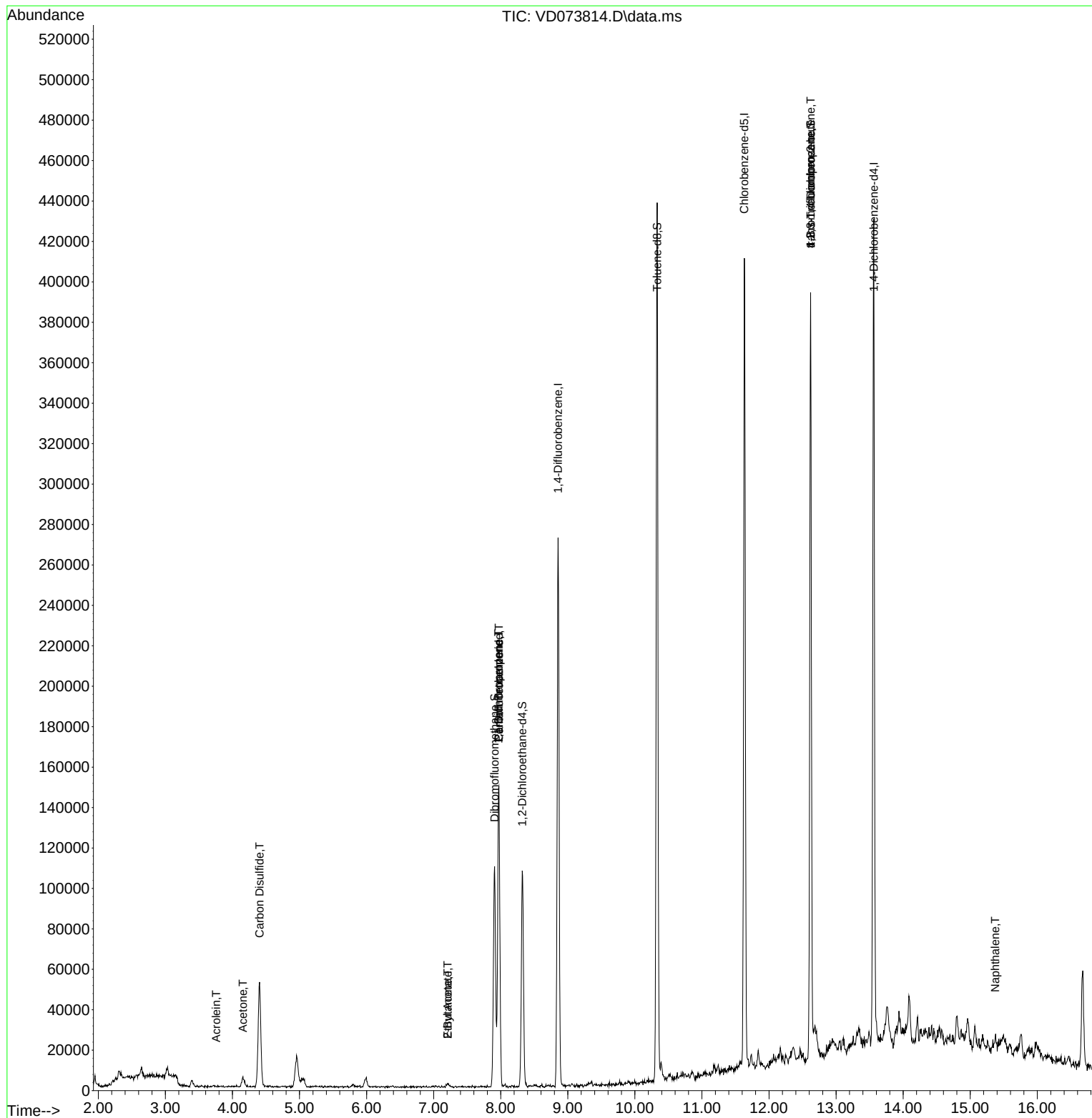
Internal Standards						
1) Pentafluorobenzene	7.973	168	98299	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	219858	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	214041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	97716	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	83369	68.931	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 137.860%			
35) Dibromofluoromethane	7.909	113	73728	54.653	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.300%			
50) Toluene-d8	10.332	98	280880	61.462	ug/l	0.00
Spiked Amount 50.000	Range 78 - 12		Recovery = 122.920%#			
62) 4-Bromofluorobenzene	12.620	95	110445	58.796	ug/l	0.00
Spiked Amount 50.000	Range 50 - 14		Recovery = 117.600%#			
Target Compounds						
					Qvalue	
3) Chloromethane	2.215	50	243	Below Cal	#	52
5) Bromomethane	2.774	94	614	Below Cal	#	67
13) Acrolein	3.756	56	62	21.542	ug/l #	15
16) Acetone	4.156	43	8738	19.967	ug/l	95
17) Carbon Disulfide	4.403	76	103304	101.980	ug/l	99
18) Methyl Acetate	4.726	43	554	Below Cal	#	53
20) Methylene Chloride	4.956	84	11073	Below Cal	#	93
25) 2-Butanone	7.209	43	2714	6.831	ug/l #	84
31) Cyclohexane	7.979	56	3674	Below Cal	#	47
36) 1,1-Dichloropropene	7.967	75	9824	5.692	ug/l #	51
37) Ethyl Acetate	7.209	43	2714	2.637	ug/l #	70
38) Carbon Tetrachloride	7.973	117	11357	5.788	ug/l #	15
76) 1,2,3-Trichloropropane	12.620	75	60014	56.410	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	60014	126.024	ug/l #	12
95) Naphthalene	15.373	128	5079	1.352	ug/l #	91

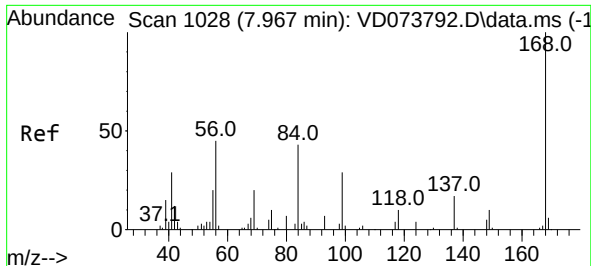
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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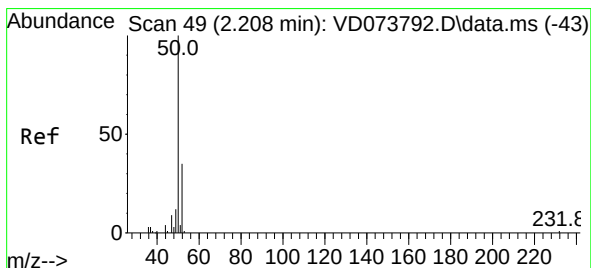
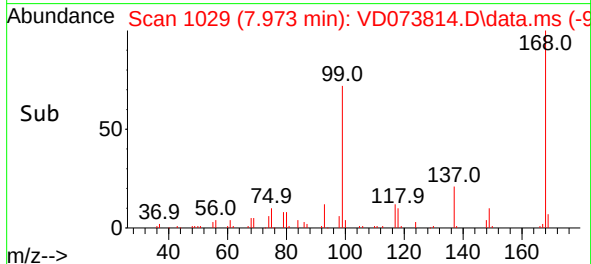
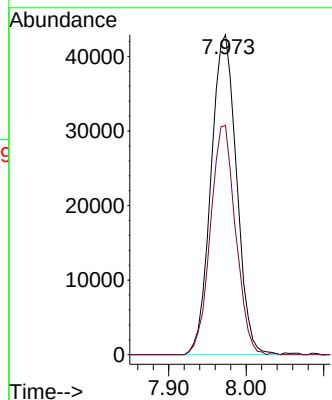
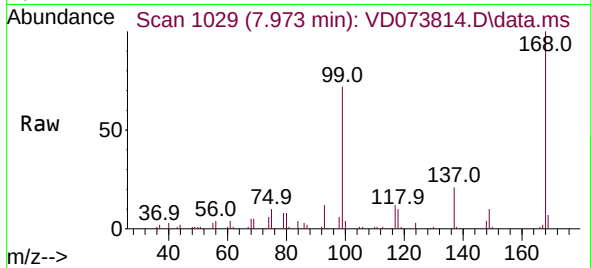




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD073814.D
Acq: 07 Jul 2022 17:58

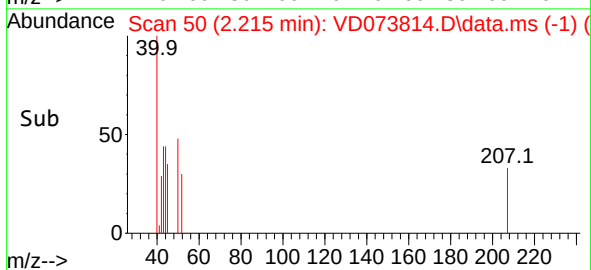
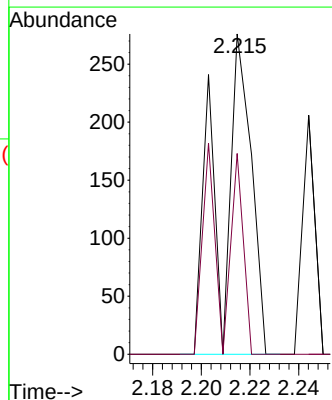
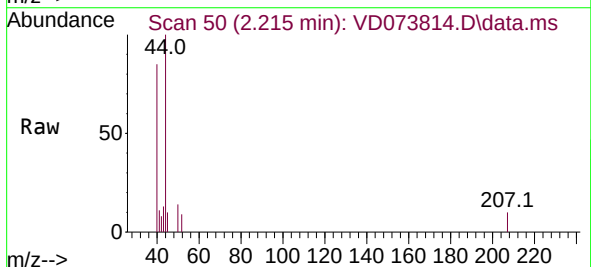
Instrument :
MSVOA_D
ClientSampleId :
20220484B-2B

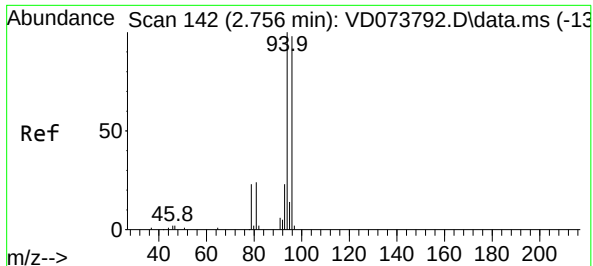
Tgt Ion:168 Resp: 98299
Ion Ratio Lower Upper
168 100
99 71.6 58.4 87.6



#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.007 min
Lab File: VD073814.D
Acq: 07 Jul 2022 17:58

Tgt Ion: 50 Resp: 243
Ion Ratio Lower Upper
50 100
52 62.7 27.8 41.6#

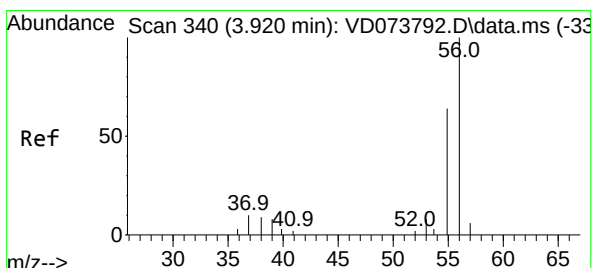
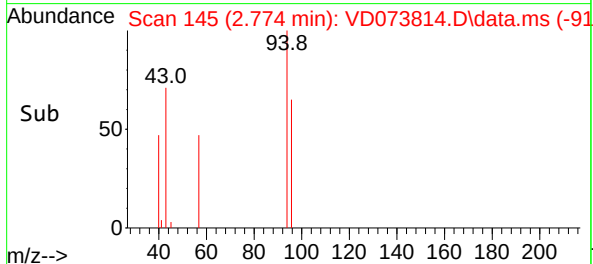
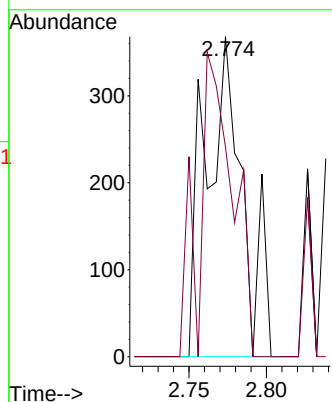
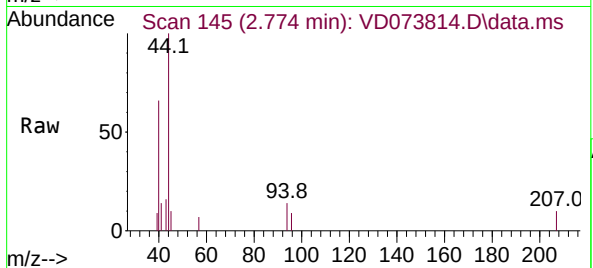




#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 14
Delta R.T. 0.018 min
Lab File: VD073814.D
Acq: 07 Jul 2022 17:58

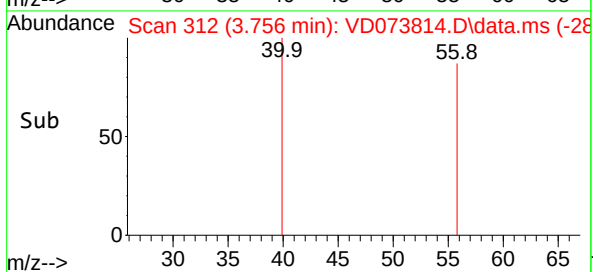
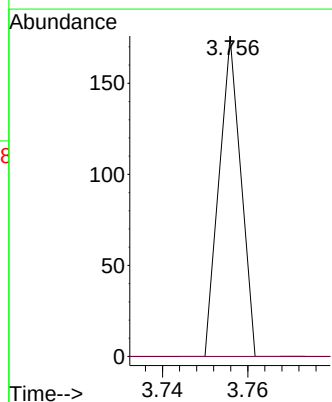
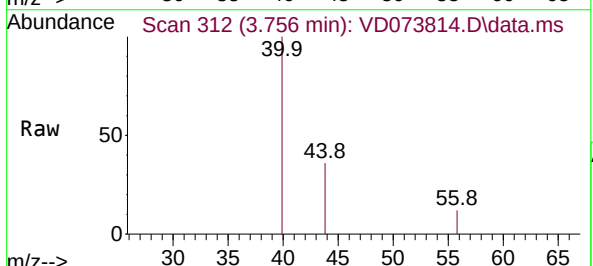
Instrument :
MSVOA_D
ClientSampleId :
20220484B-2B

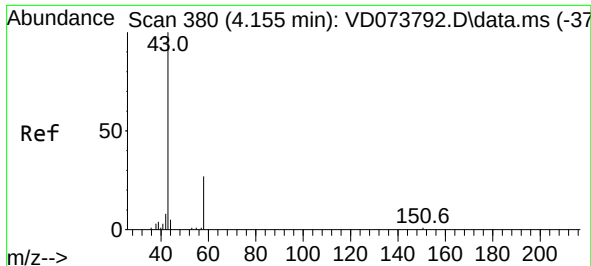
Tgt Ion: 94 Resp: 614
Ion Ratio Lower Upper
94 100
96 65.5 78.3 117.5#



#13
Acrolein
Concen: 21.542 ug/l
RT: 3.756 min Scan# 312
Delta R.T. -0.164 min
Lab File: VD073814.D
Acq: 07 Jul 2022 17:58

Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 0.0 55.4 83.2#

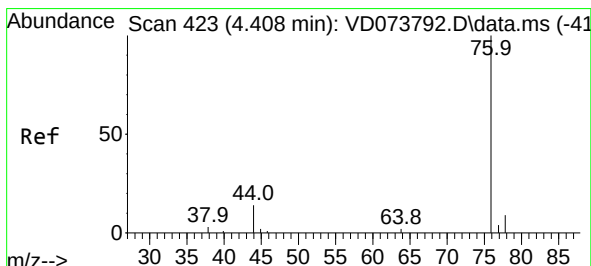
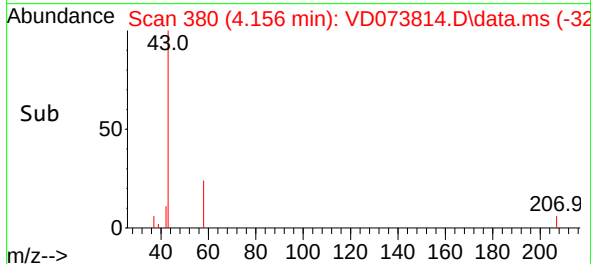
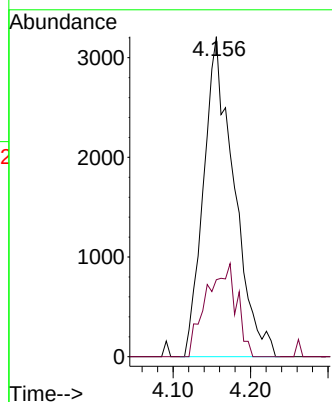
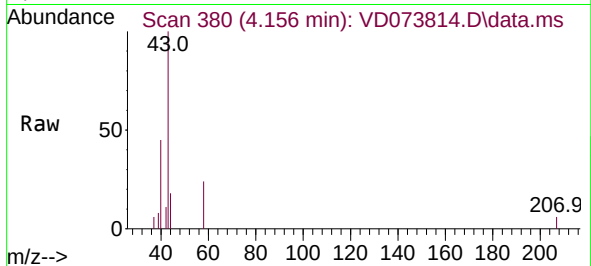




#16
Acetone
Concen: 19.967 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.001 min
Lab File: VD073814.D
Acq: 07 Jul 2022 17:58

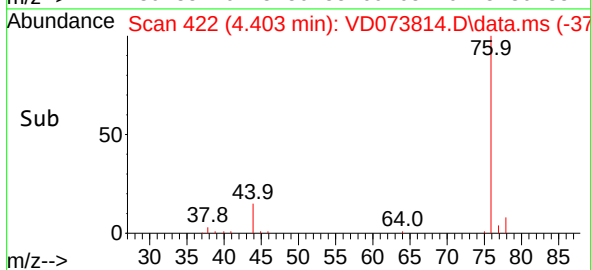
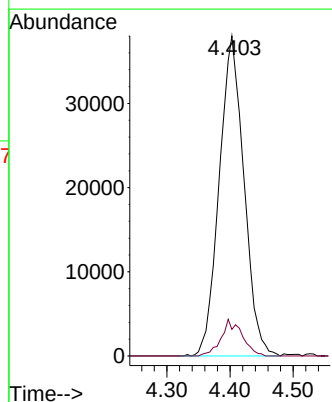
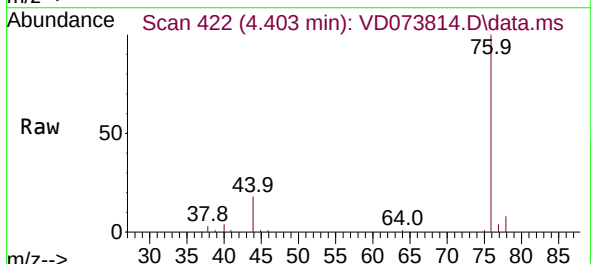
Instrument :
MSVOA_D
ClientSampleId :
20220484B-2B

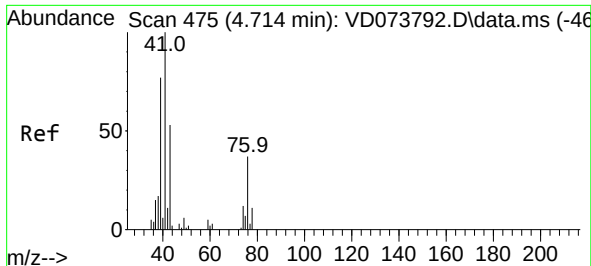
Tgt Ion: 43 Resp: 8738
Ion Ratio Lower Upper
43 100
58 24.0 21.3 31.9



#17
Carbon Disulfide
Concen: 101.980 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.005 min
Lab File: VD073814.D
Acq: 07 Jul 2022 17:58

Tgt Ion: 76 Resp: 103304
Ion Ratio Lower Upper
76 100
78 8.3 6.8 10.2





#18

Methyl Acetate

Concen: Below Cal

RT: 4.726 min Scan# 41

Delta R.T. 0.012 min

Lab File: VD073814.D

Acq: 07 Jul 2022 17:58

Instrument :

MSVOA_D

ClientSampleId :

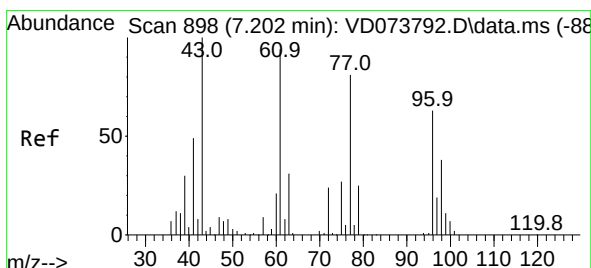
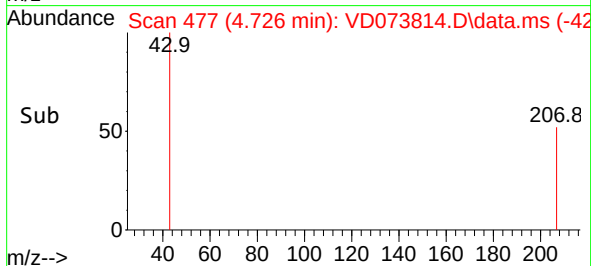
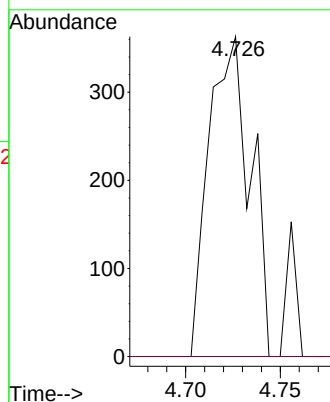
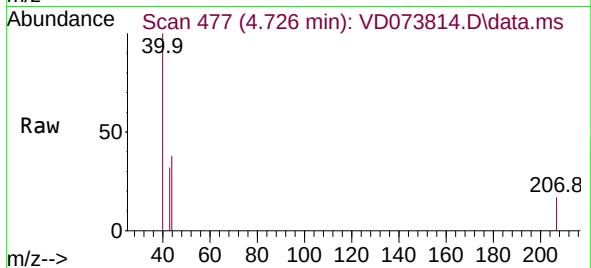
20220484B-2B

Tgt Ion: 43 Resp: 554

Ion Ratio Lower Upper

43 100

74 0.0 18.3 27.5#



#25

2-Butanone

Concen: 6.831 ug/l

RT: 7.209 min Scan# 899

Delta R.T. 0.006 min

Lab File: VD073814.D

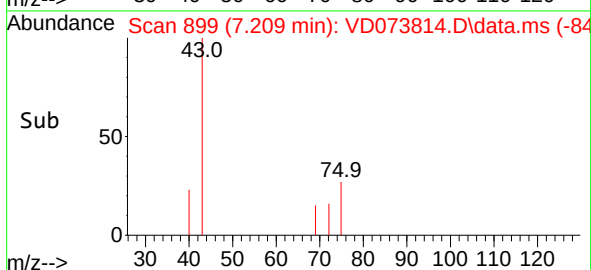
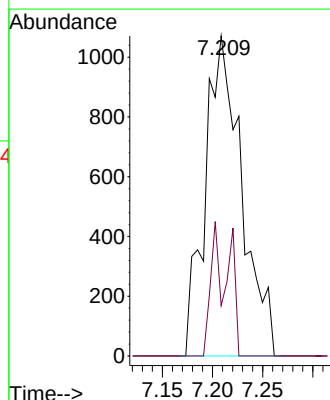
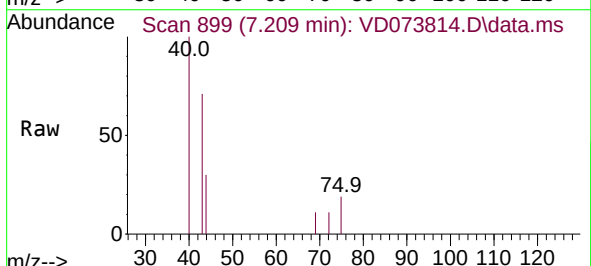
Acq: 07 Jul 2022 17:58

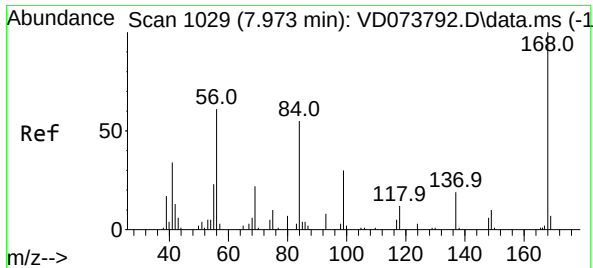
Tgt Ion: 43 Resp: 2714

Ion Ratio Lower Upper

43 100

72 15.8 18.8 28.2#

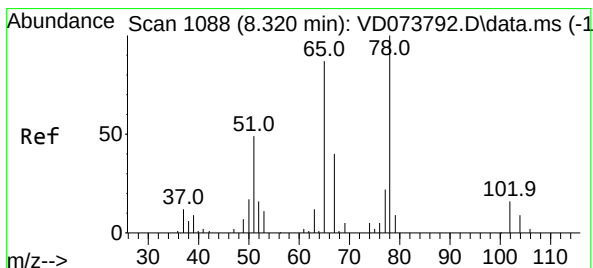
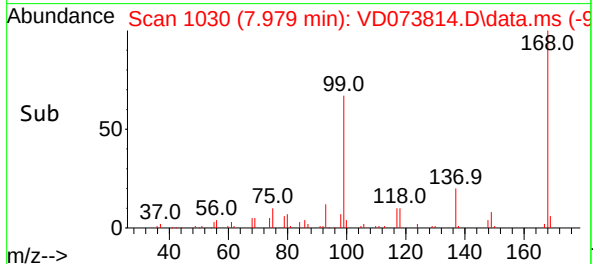
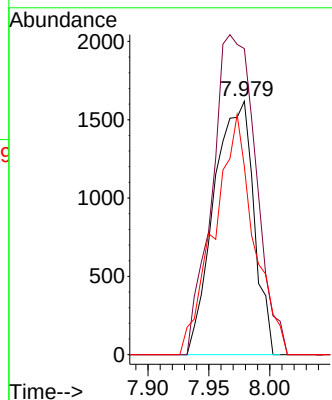
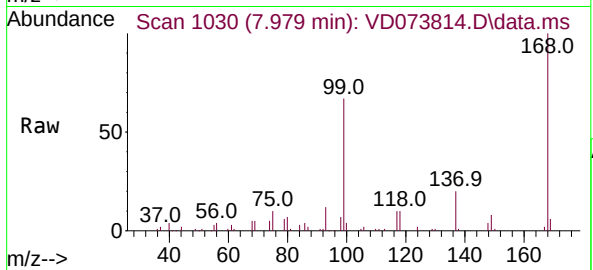




#31
Cyclohexane
Concen: Below Cal
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD073814.D
Acq: 07 Jul 2022 17:58

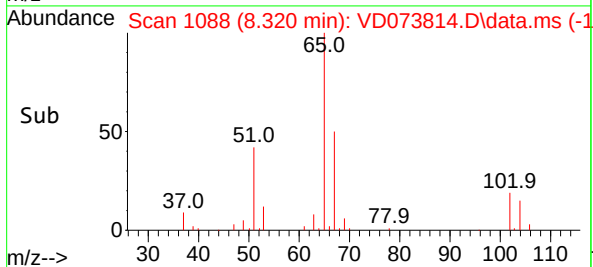
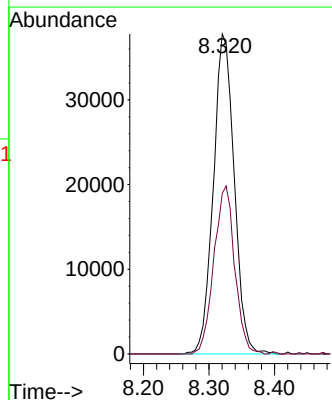
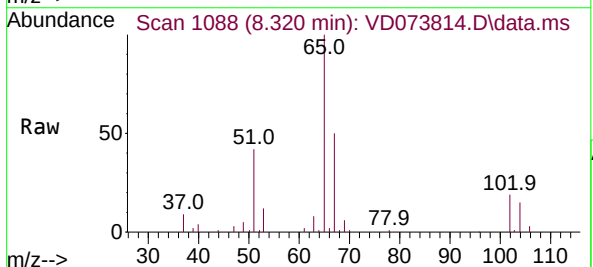
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20220484B-2B

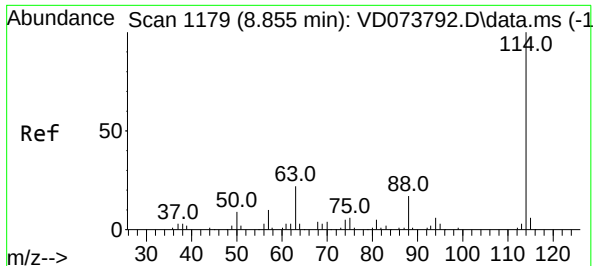
Tgt Ion: 56 Resp: 3674
Ion Ratio Lower Upper
56 100
69 120.8 29.4 44.2#
84 74.2 72.1 108.1



#33
1,2-Dichloroethane-d4
Concen: 68.931 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VD073814.D
Acq: 07 Jul 2022 17:58

Tgt Ion: 65 Resp: 83369
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VD073814.D

Acq: 07 Jul 2022 17:58

Instrument :

MSVOA_D

ClientSampleId :

20220484B-2B

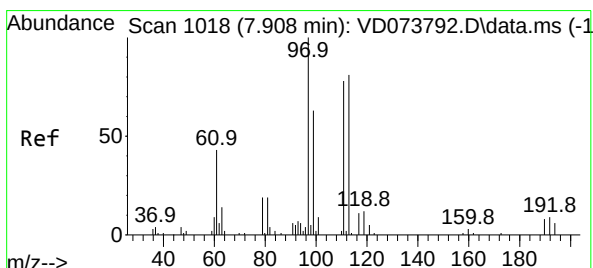
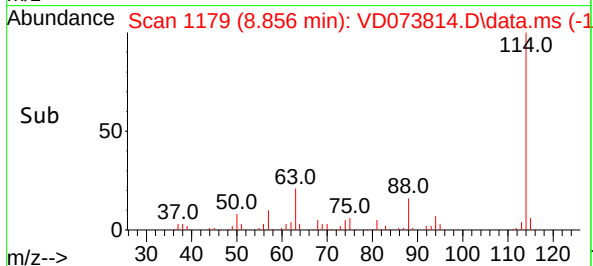
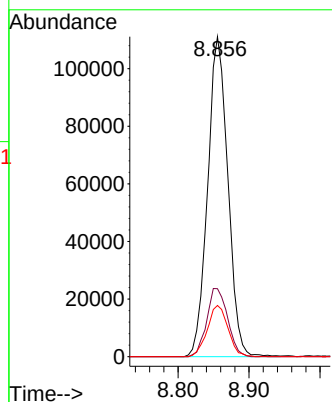
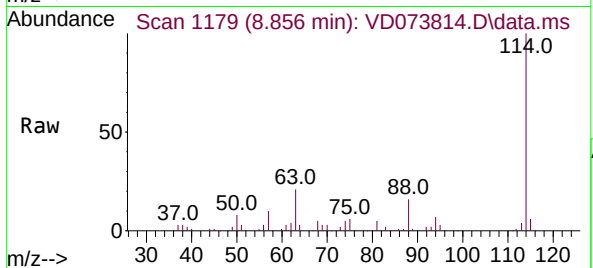
Tgt Ion:114 Resp: 219858

Ion Ratio Lower Upper

114 100

63 21.3 0.0 44.2

88 16.0 0.0 33.6



#35

Dibromofluoromethane

Concen: 54.653 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073814.D

Acq: 07 Jul 2022 17:58

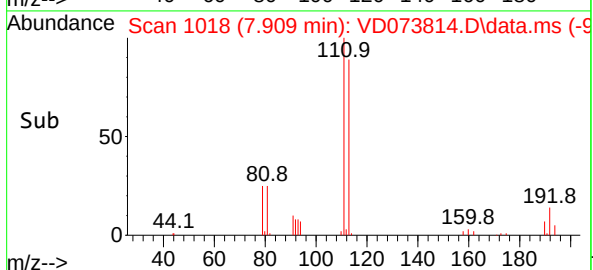
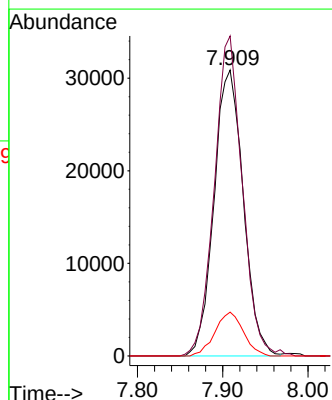
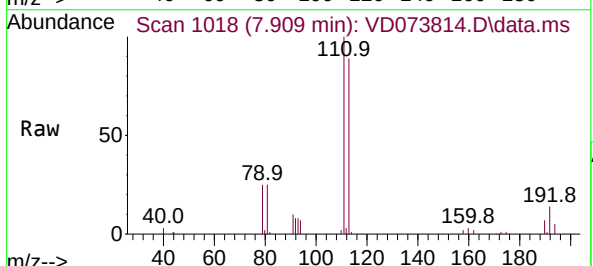
Tgt Ion:113 Resp: 73728

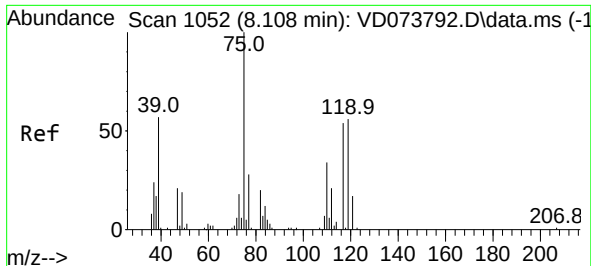
Ion Ratio Lower Upper

113 100

111 106.8 82.7 124.1

192 14.9 11.7 17.5





#36

1,1-Dichloropropene

Concen: 5.692 ug/l

RT: 7.967 min Scan# 1

Delta R.T. -0.141 min

Lab File: VD073814.D

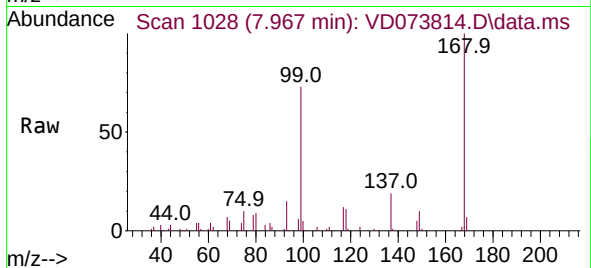
Acq: 07 Jul 2022 17:58

Instrument :

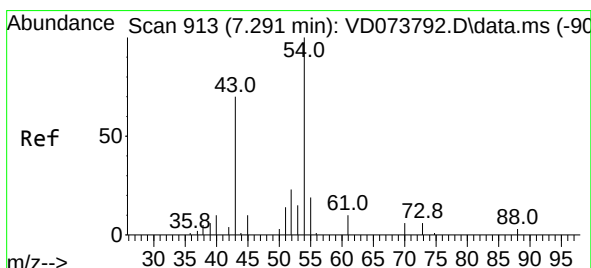
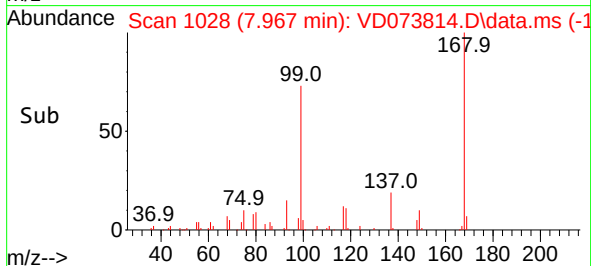
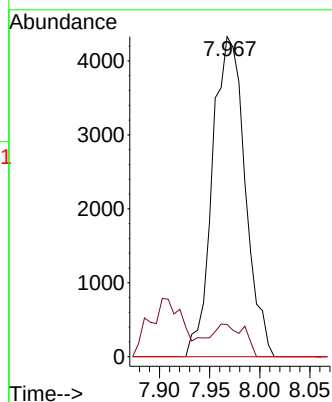
MSVOA_D

ClientSampleId :

20220484B-2B



Tgt Ion:	75	Resp:	9824
Ion	Ratio	Lower	Upper
75	100		
110	9.9	16.9	50.7#
77	0.0	24.8	37.2#



#37

Ethyl Acetate

Concen: 2.637 ug/l

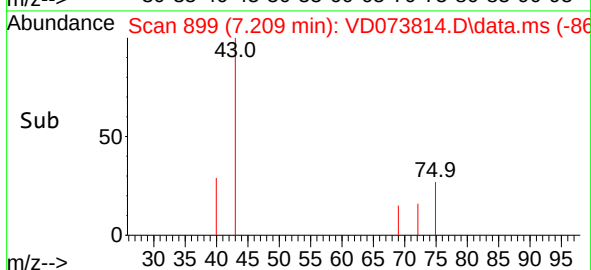
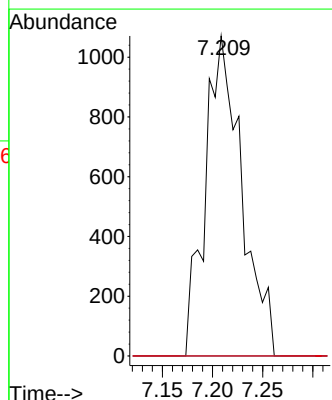
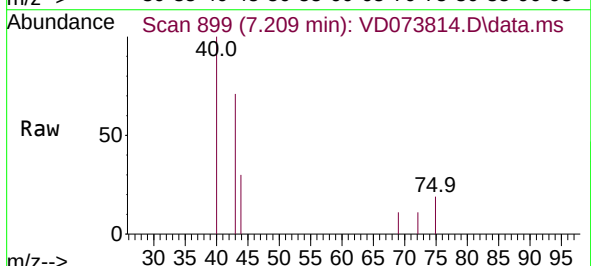
RT: 7.209 min Scan# 899

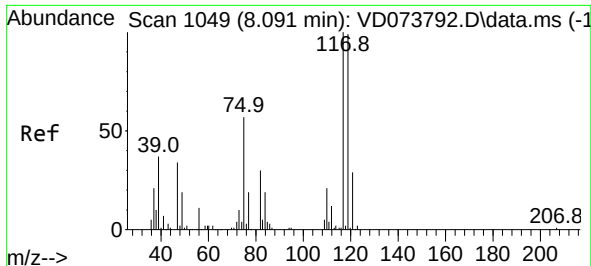
Delta R.T. -0.082 min

Lab File: VD073814.D

Acq: 07 Jul 2022 17:58

Tgt Ion:	43	Resp:	2714
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.7	16.1#
70	0.0	7.7	11.5#

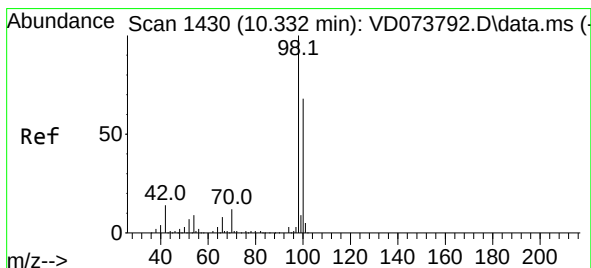
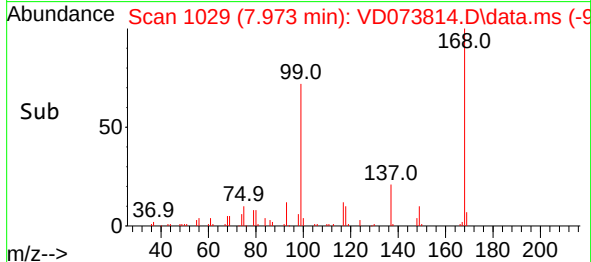
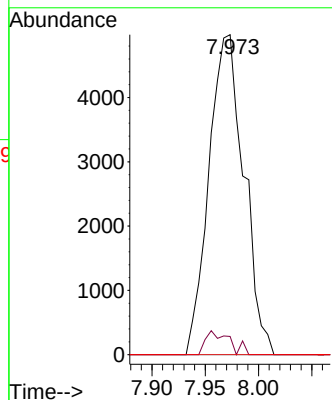
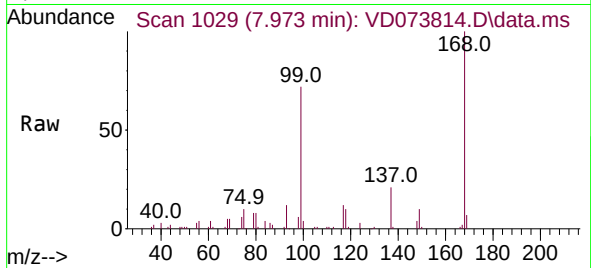




#38
Carbon Tetrachloride
Concen: 5.788 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.117 min
Lab File: VD073814.D
Acq: 07 Jul 2022 17:58

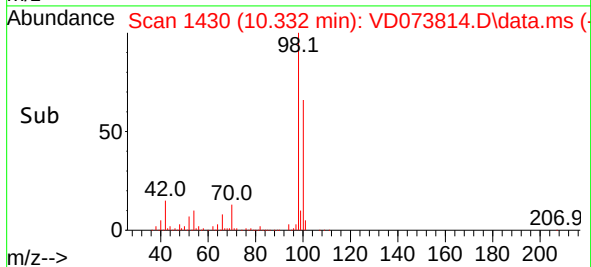
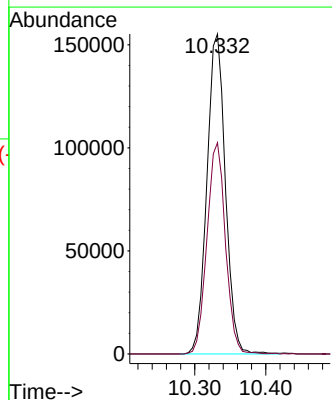
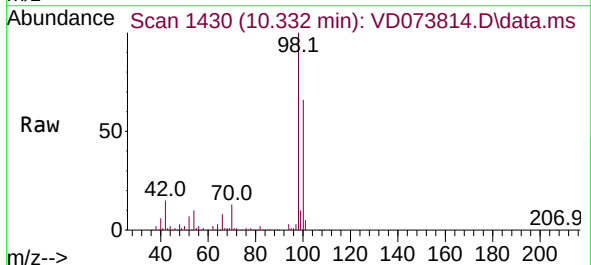
Instrument :
MSVOA_D
ClientSampleId :
20220484B-2B

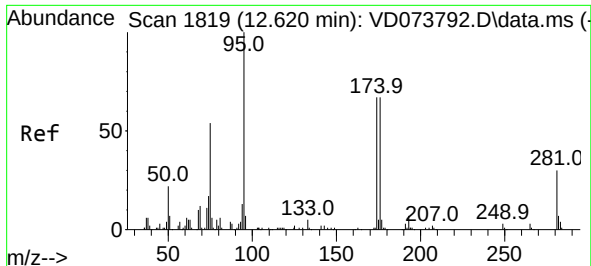
Tgt Ion:117 Resp: 11357
Ion Ratio Lower Upper
117 100
119 5.7 79.3 118.9#
121 0.0 22.9 34.3#



#50
Toluene-d8
Concen: 61.462 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073814.D
Acq: 07 Jul 2022 17:58

Tgt Ion: 98 Resp: 280880
Ion Ratio Lower Upper
98 100
100 65.9 51.9 77.9

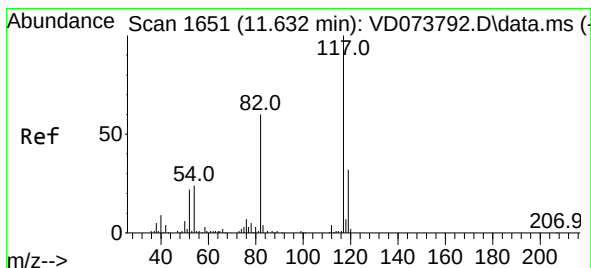
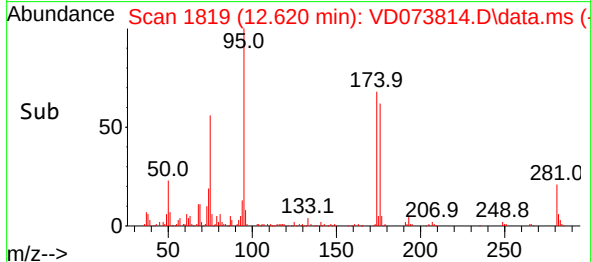
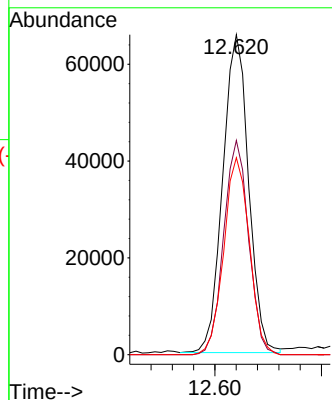
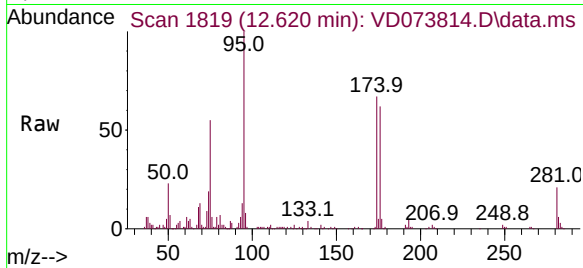




#62
4-Bromofluorobenzene
Concen: 58.796 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073814.D
Acq: 07 Jul 2022 17:58

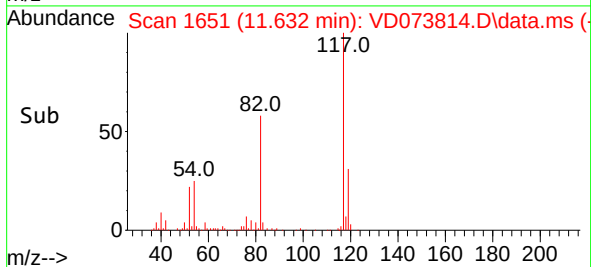
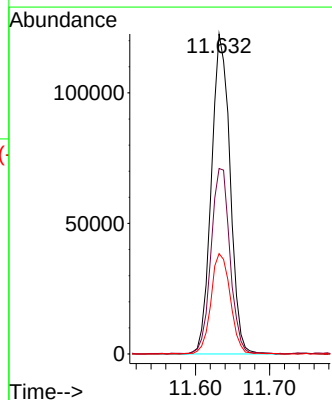
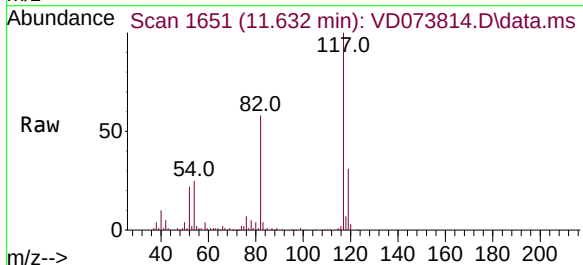
Instrument :
MSVOA_D
ClientSampleId :
20220484B-2B

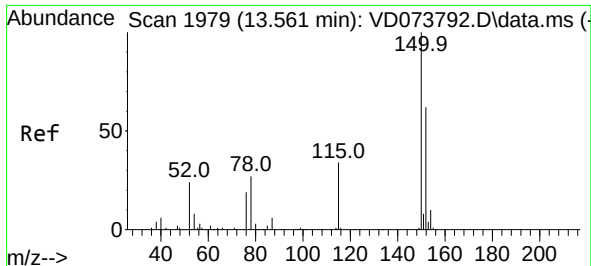
Tgt Ion: 95 Resp: 110445
Ion Ratio Lower Upper
95 100
174 64.9 0.0 132.4
176 61.4 0.0 129.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. 0.000 min
Lab File: VD073814.D
Acq: 07 Jul 2022 17:58

Tgt Ion: 117 Resp: 214041
Ion Ratio Lower Upper
117 100
82 57.7 48.2 72.2
119 31.3 25.2 37.8

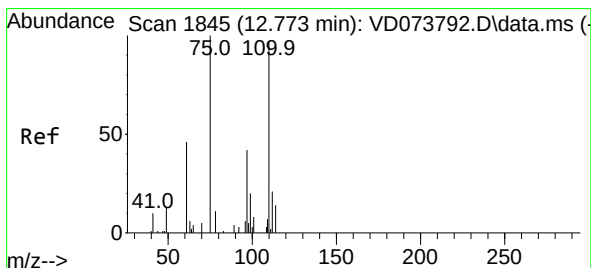
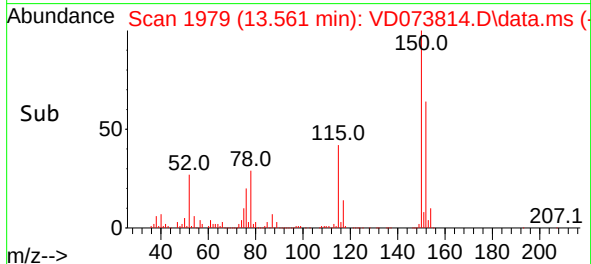
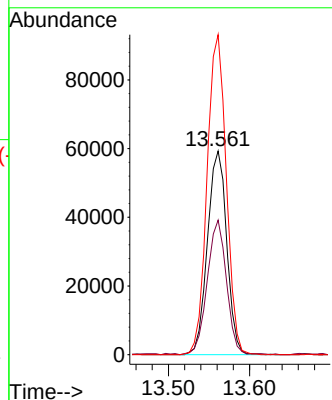
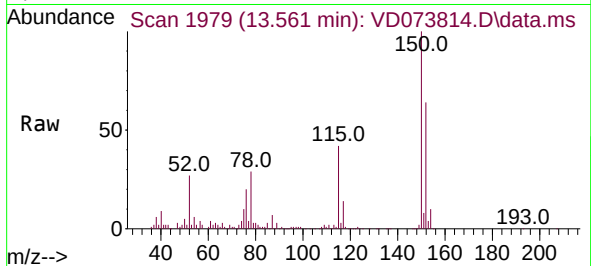




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD073814.D
 Acq: 07 Jul 2022 17:58

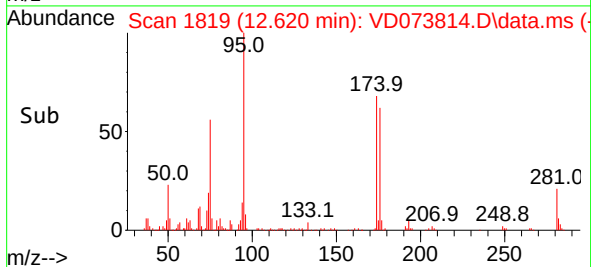
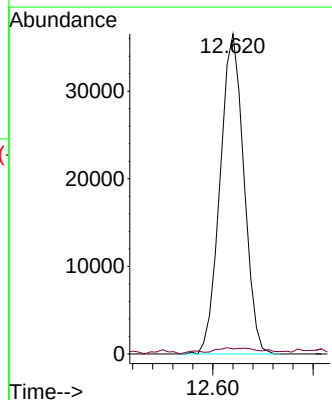
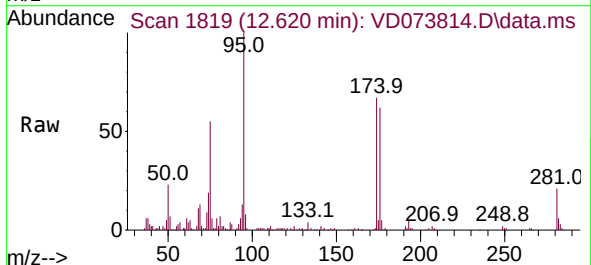
Instrument :
 MSVOA_D
 ClientSampleId :
 20220484B-2B

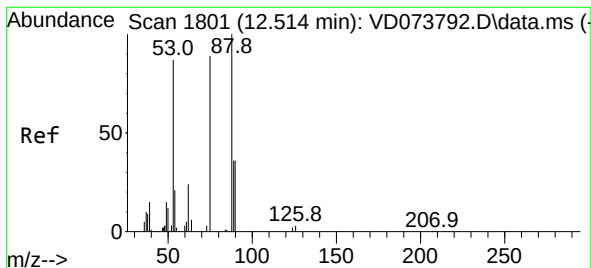
Tgt Ion:152 Resp: 97716
 Ion Ratio Lower Upper
 152 100
 115 65.8 32.2 96.6
 150 156.0 0.0 353.0



#76
 1,2,3-Trichloropropane
 Concen: 56.410 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD073814.D
 Acq: 07 Jul 2022 17:58

Tgt Ion: 75 Resp: 60014
 Ion Ratio Lower Upper
 75 100
 77 2.4 0.0 0.0#

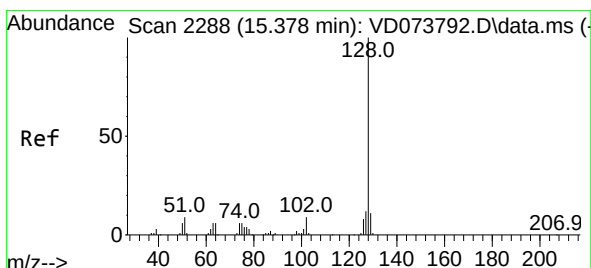
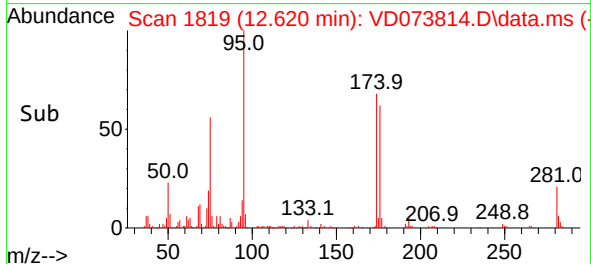
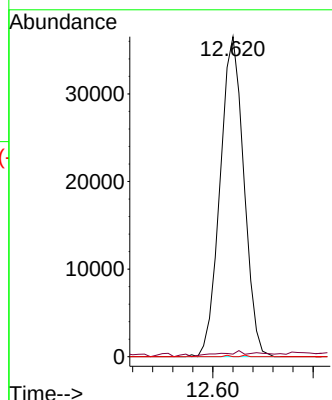
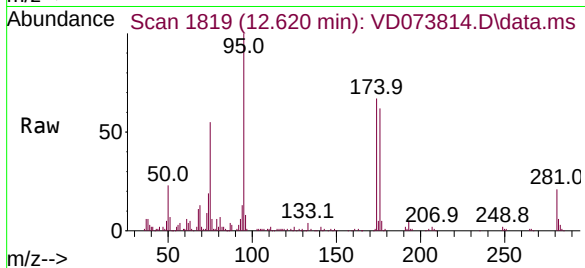




#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.024 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD073814.D
 Acq: 07 Jul 2022 17:58

Instrument :
 MSVOA_D
 ClientSampleId :
 20220484B-2B

Tgt Ion: 75 Resp: 60014
 Ion Ratio Lower Upper
 75 100
 53 2.0 77.6 116.4#
 89 0.1 37.2 55.8#



#95
 Naphthalene
 Concen: 1.352 ug/l
 RT: 15.373 min Scan# 2287
 Delta R.T. -0.005 min
 Lab File: VD073814.D
 Acq: 07 Jul 2022 17:58

Tgt Ion: 128 Resp: 5079
 Ion Ratio Lower Upper
 128 100
 127 17.4 10.4 15.6#
 129 13.3 8.8 13.2#

