

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070722\
 Data File : VD073813.D
 Acq On : 07 Jul 2022 17:28
 Operator : VA/SY
 Sample : N3593-04
 Misc : 8.11G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20220484A-2A

Quant Time: Jul 08 06:34:08 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)

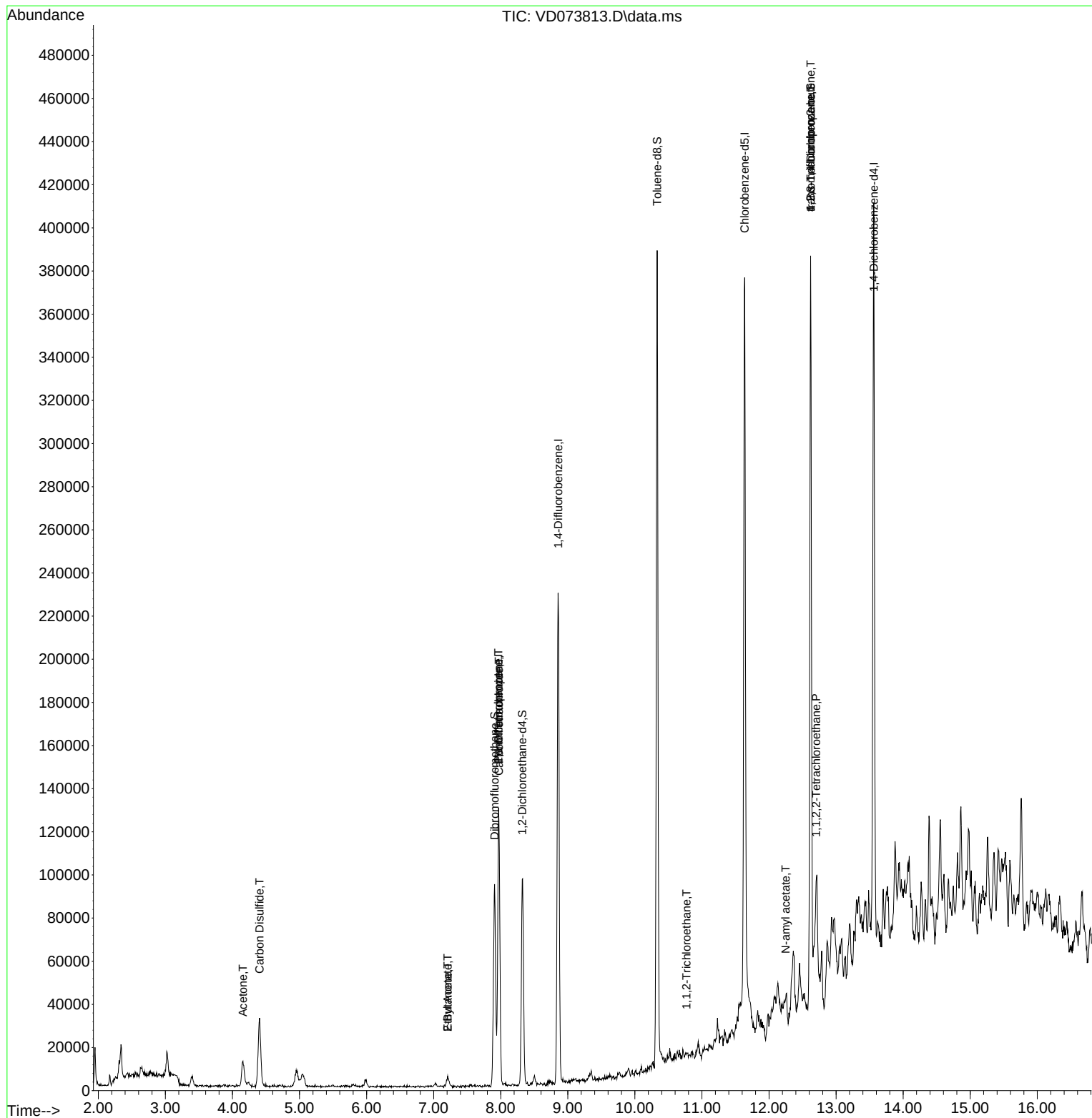
Internal Standards						
1) Pentafluorobenzene	7.967	168	82004	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	188821	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	182047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	79083	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	74927	74.261	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 148.520%			
35) Dibromofluoromethane	7.908	113	64560	55.724	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.440%			
50) Toluene-d8	10.332	98	240080	61.170	ug/l	0.00
Spiked Amount 50.000	Range 78 - 12		Recovery = 122.340%#			
62) 4-Bromofluorobenzene	12.620	95	91416	56.665	ug/l	0.00
Spiked Amount 50.000	Range 50 - 14		Recovery = 113.320%#			
Target Compounds						
3) Chloromethane	2.203	50	439	Below Cal	#	40
5) Bromomethane	2.768	94	800	Below Cal	#	49
16) Acetone	4.156	43	21069	103.428	ug/l	91
17) Carbon Disulfide	4.403	76	63484	73.294	ug/l	# 95
18) Methyl Acetate	4.709	43	855	Below Cal	#	53
20) Methylene Chloride	4.956	84	4270	Below Cal	#	86
25) 2-Butanone	7.208	43	7585	22.884	ug/l	# 79
31) Cyclohexane	7.967	56	3089	Below Cal	#	37
36) 1,1-Dichloropropene	7.967	75	9155	6.176	ug/l	# 51
37) Ethyl Acetate	7.208	43	7585	8.580	ug/l	# 70
38) Carbon Tetrachloride	7.973	117	9931	5.893	ug/l	# 15
55) 1,1,2-Trichloroethane	10.767	97	1950	1.928	ug/l	# 37
74) N-amyl acetate	12.249	43	5350	3.114	ug/l	# 45
75) 1,1,2,2-Tetrachloroethane	12.702	83	6381	5.045	ug/l	# 60
76) 1,2,3-Trichloropropane	12.620	75	50417	58.554	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.620	75	50417	130.816	ug/l	# 11

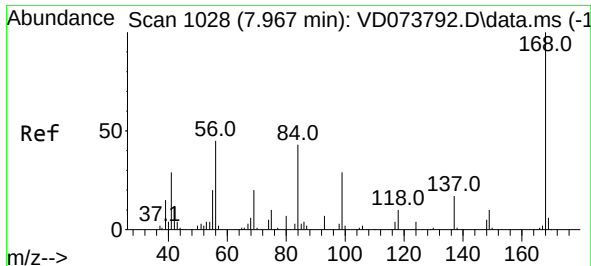
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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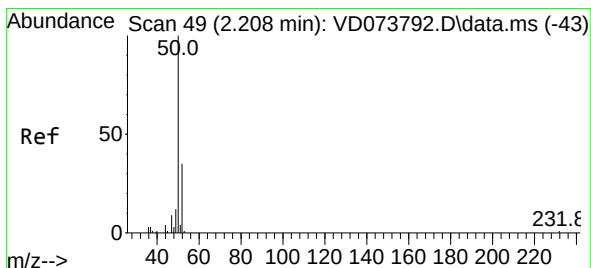
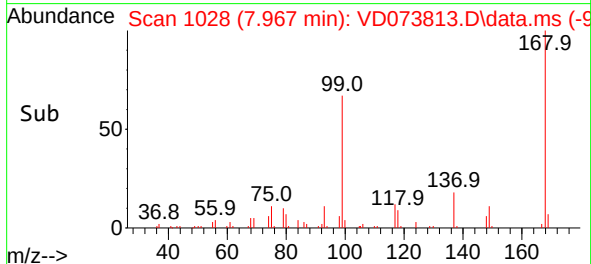
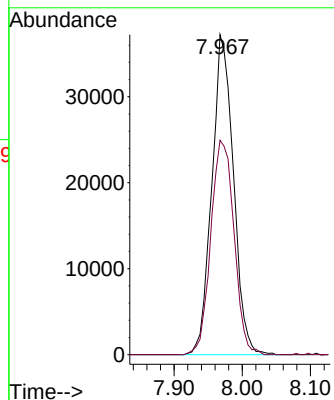
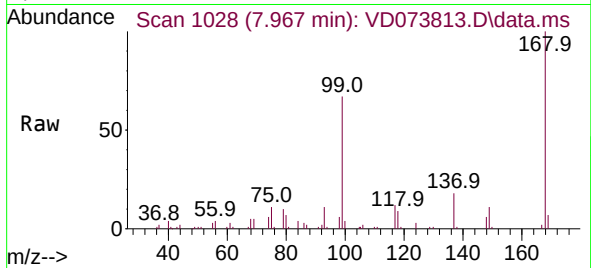




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VD073813.D
Acq: 07 Jul 2022 17:28

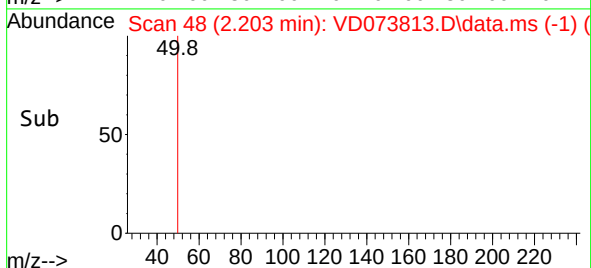
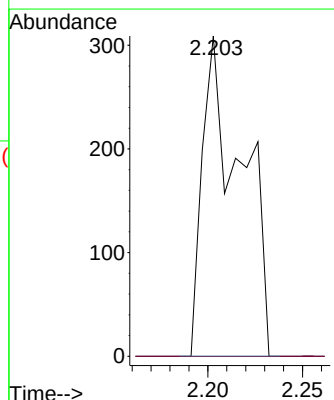
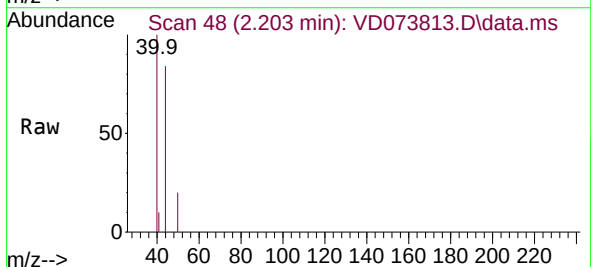
Instrument :
MSVOA_D
ClientSampleId :
20220484A-2A

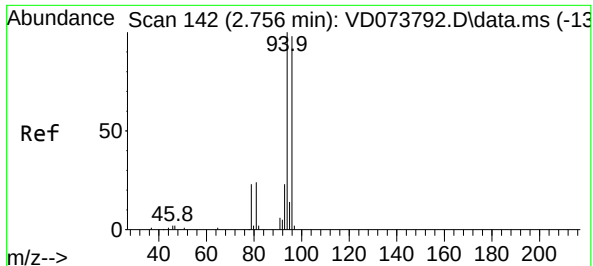
Tgt Ion:168 Resp: 82004
Ion Ratio Lower Upper
168 100
99 67.0 58.4 87.6



#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.005 min
Lab File: VD073813.D
Acq: 07 Jul 2022 17:28

Tgt Ion: 50 Resp: 439
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#

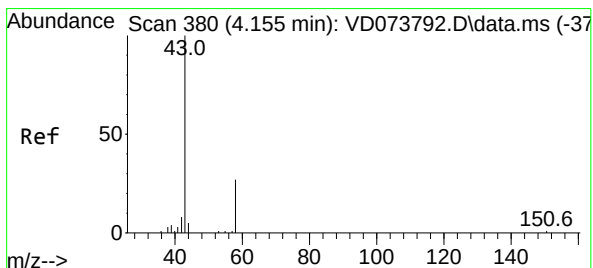
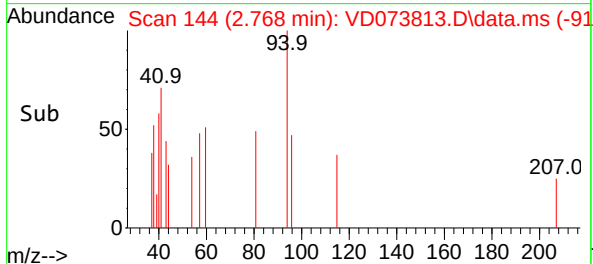
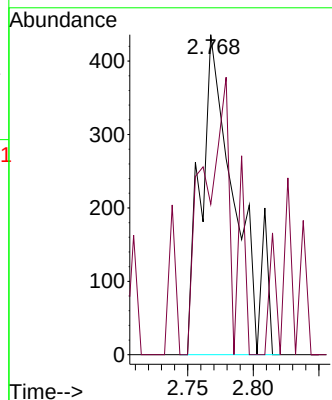
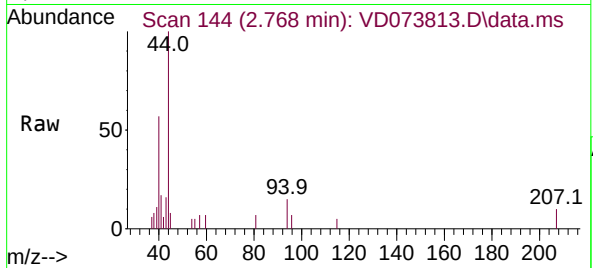




#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 142
Delta R.T. 0.012 min
Lab File: VD073813.D
Acq: 07 Jul 2022 17:28

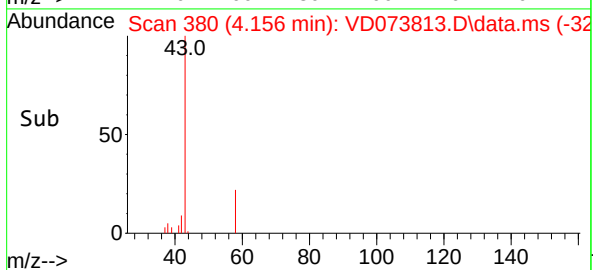
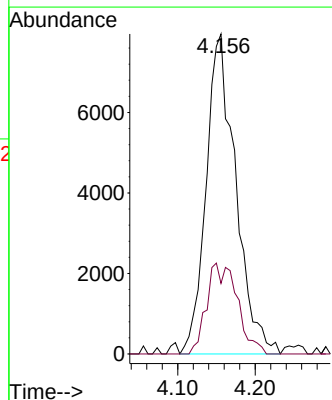
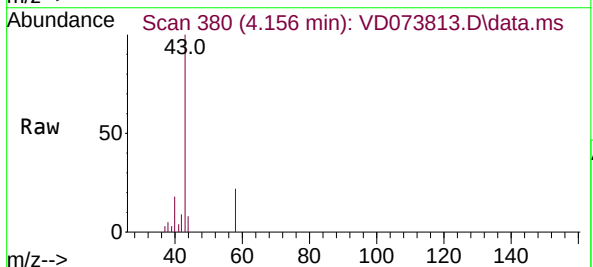
Instrument :
MSVOA_D
ClientSampleId :
20220484A-2A

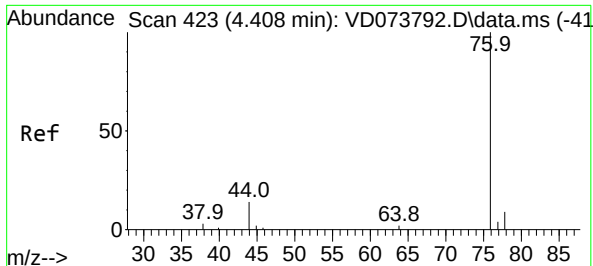
Tgt Ion: 94 Resp: 800
Ion Ratio Lower Upper
94 100
96 47.0 78.3 117.5#



#16
Acetone
Concen: 103.428 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.001 min
Lab File: VD073813.D
Acq: 07 Jul 2022 17:28

Tgt Ion: 43 Resp: 21069
Ion Ratio Lower Upper
43 100
58 22.0 21.3 31.9





#17

Carbon Disulfide

Concen: 73.294 ug/l

RT: 4.403 min Scan# 41

Delta R.T. -0.005 min

Lab File: VD073813.D

Acq: 07 Jul 2022 17:28

Instrument :

MSVOA_D

ClientSampleId :

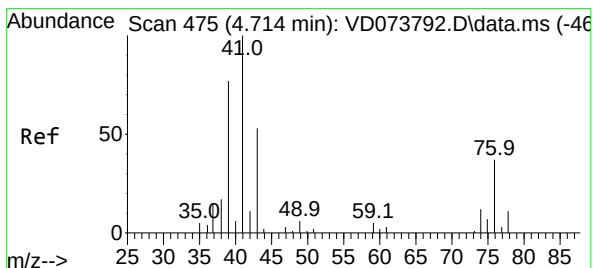
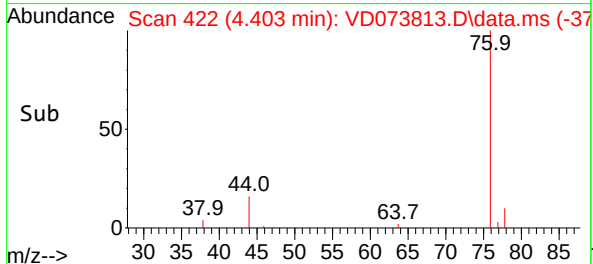
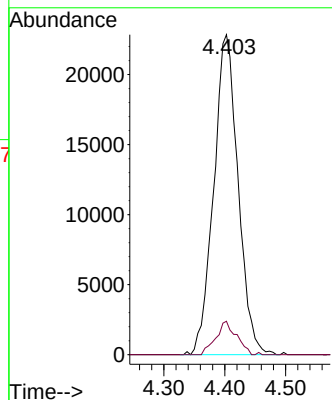
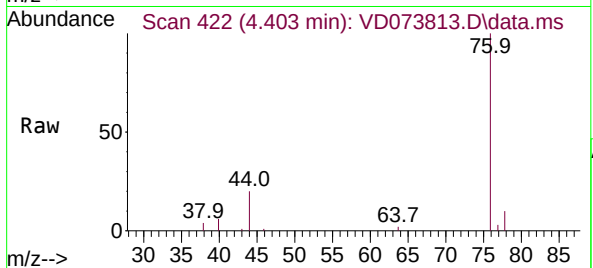
20220484A-2A

Tgt Ion: 76 Resp: 63484

Ion Ratio Lower Upper

76 100

78 10.5 6.8 10.2#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.709 min Scan# 474

Delta R.T. -0.005 min

Lab File: VD073813.D

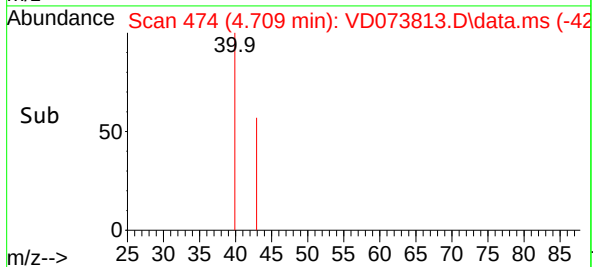
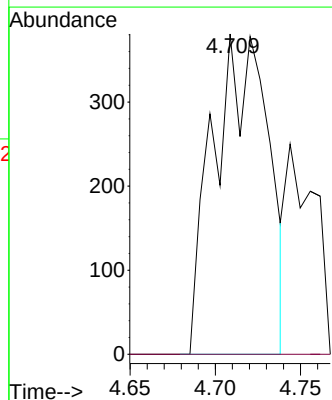
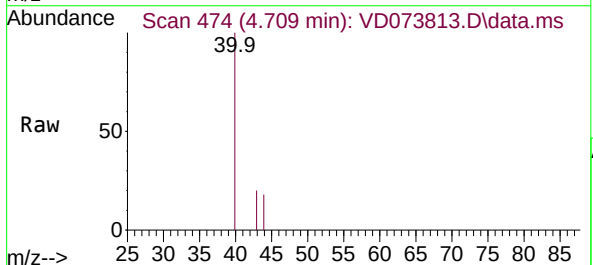
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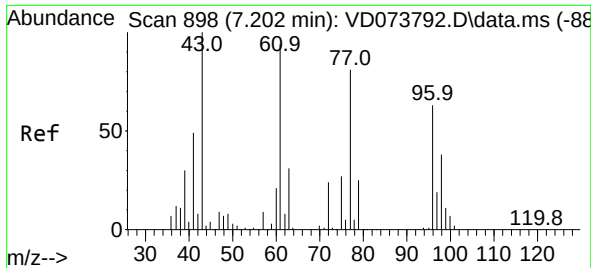
Tgt Ion: 43 Resp: 855

Ion Ratio Lower Upper

43 100

74 0.0 18.3 27.5#

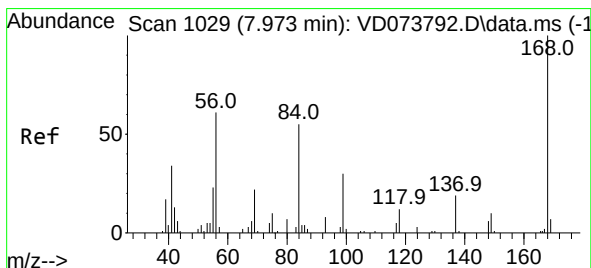
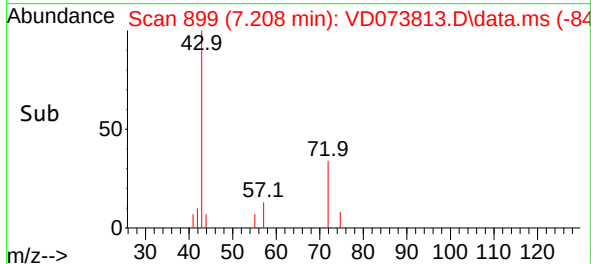
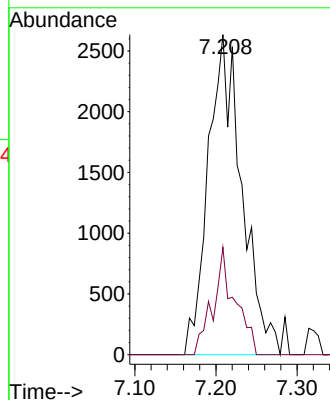
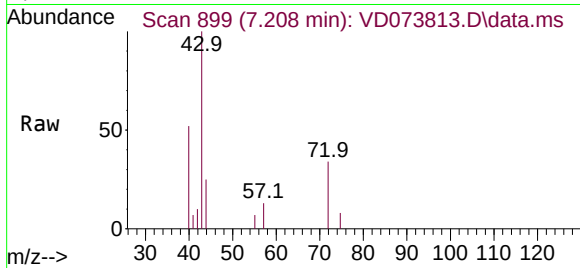




#25
2-Butanone
Concen: 22.884 ug/l
RT: 7.208 min Scan# 898
Delta R.T. 0.006 min
Lab File: VD073813.D
Acq: 07 Jul 2022 17:28

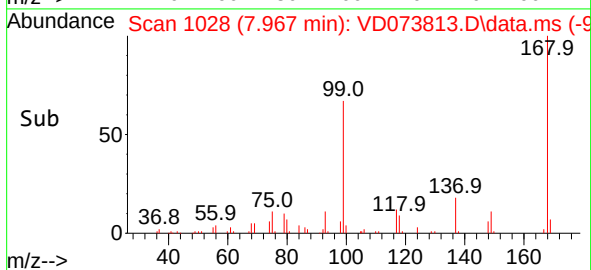
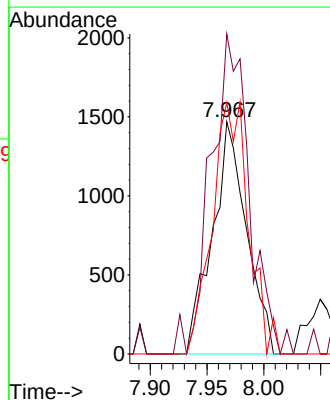
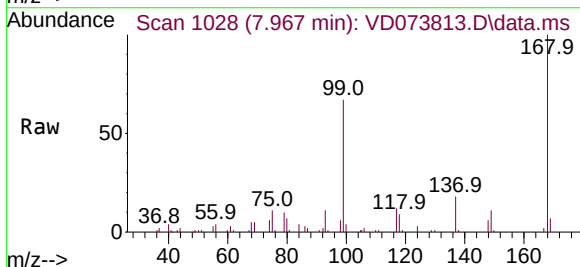
Instrument :
MSVOA_D
ClientSampleId :
20220484A-2A

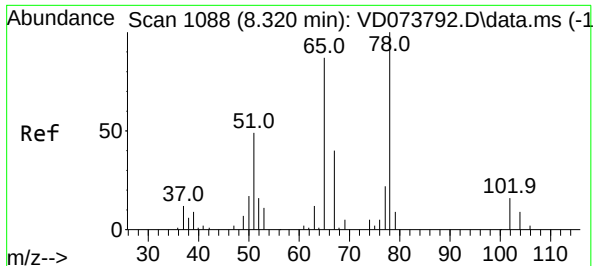
Tgt Ion: 43 Resp: 7585
Ion Ratio Lower Upper
43 100
72 33.6 18.8 28.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD073813.D
Acq: 07 Jul 2022 17:28

Tgt Ion: 56 Resp: 3089
Ion Ratio Lower Upper
56 100
69 137.8 29.4 44.2#
84 108.3 72.1 108.1#





#33

1,2-Dichloroethane-d4

Concen: 74.261 ug/l

RT: 8.320 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD073813.D

Acq: 07 Jul 2022 17:28

Instrument :

MSVOA_D

ClientSampleId :

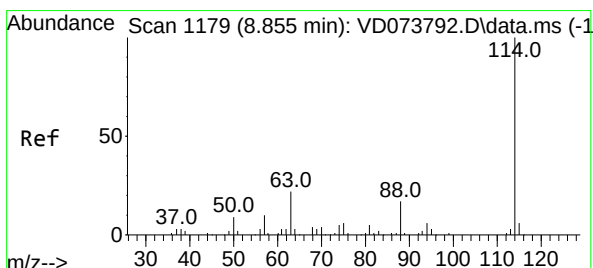
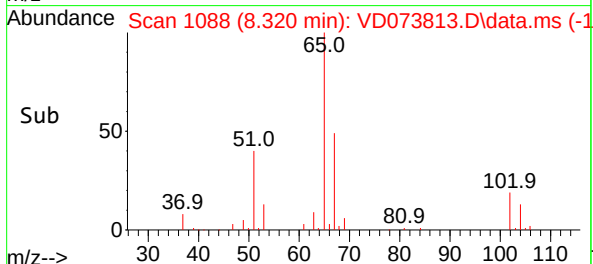
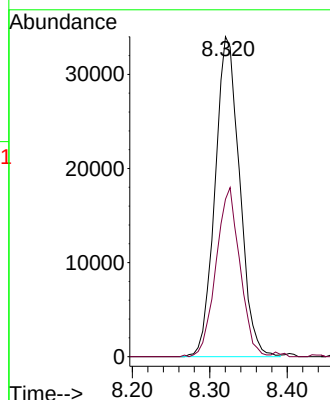
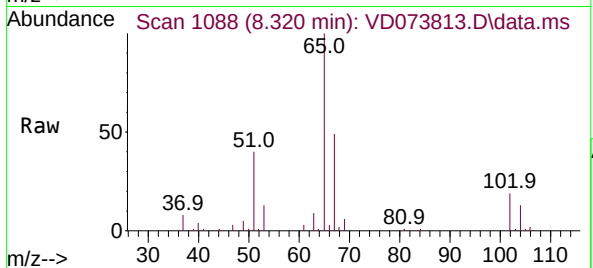
20220484A-2A

Tgt Ion: 65 Resp: 74927

Ion Ratio Lower Upper

65 100

67 51.4 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: VD073813.D

Acq: 07 Jul 2022 17:28

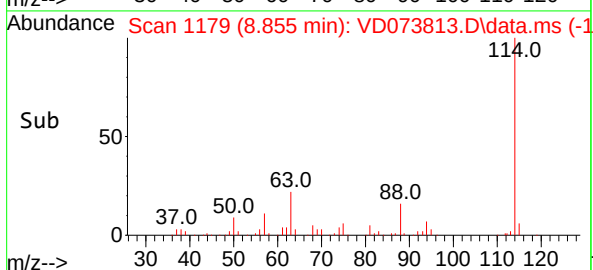
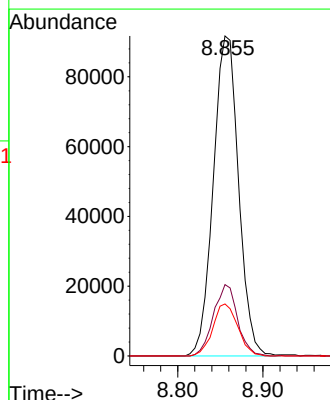
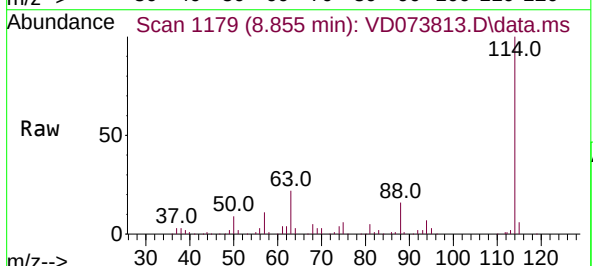
Tgt Ion: 114 Resp: 188821

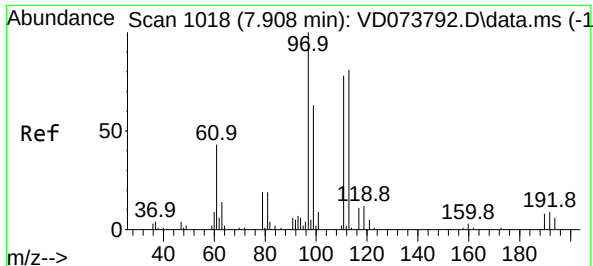
Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.2

88 16.2 0.0 33.6





#35

Dibromofluoromethane

Concen: 55.724 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073813.D

Acq: 07 Jul 2022 17:28

Instrument :

MSVOA_D

ClientSampleId :

20220484A-2A

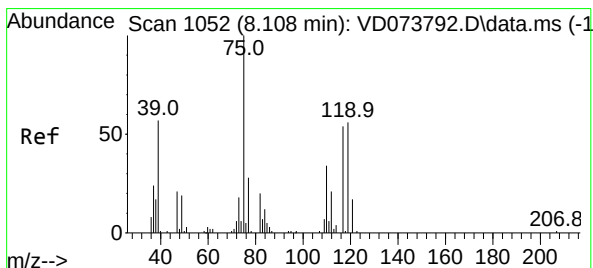
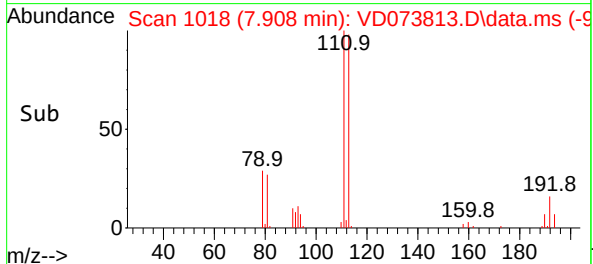
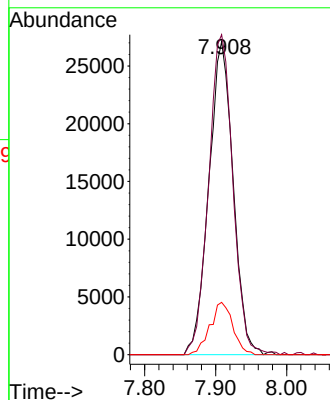
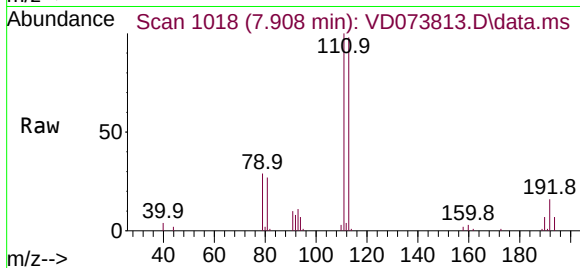
Tgt Ion:113 Resp: 64560

Ion Ratio Lower Upper

113 100

111 102.0 82.7 124.1

192 15.7 11.7 17.5



#36

1,1-Dichloropropene

Concen: 6.176 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073813.D

Acq: 07 Jul 2022 17:28

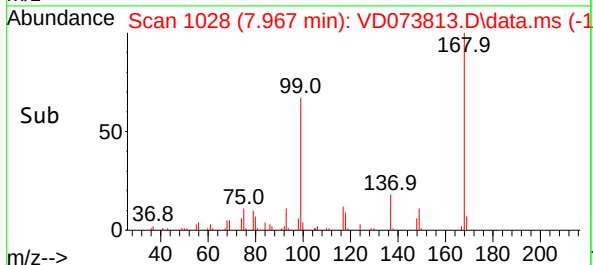
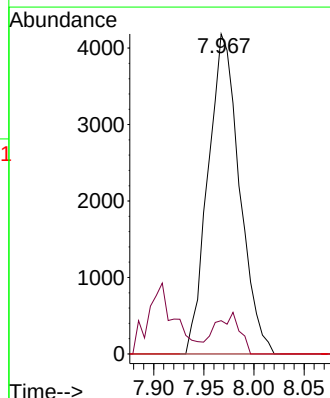
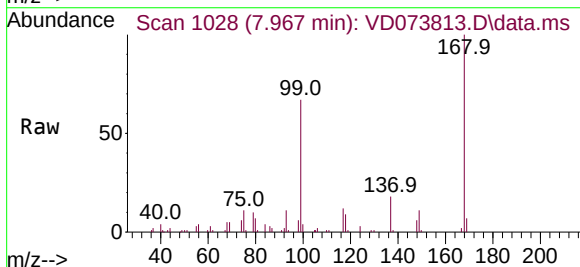
Tgt Ion: 75 Resp: 9155

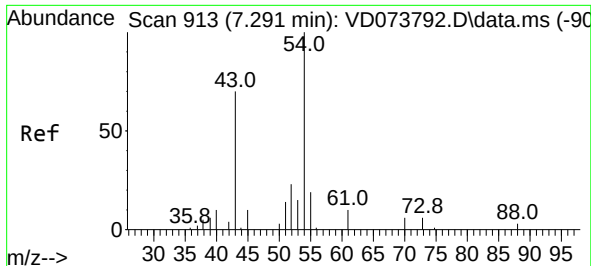
Ion Ratio Lower Upper

75 100

110 9.8 16.9 50.7#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 8.580 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.082 min

Lab File: VD073813.D

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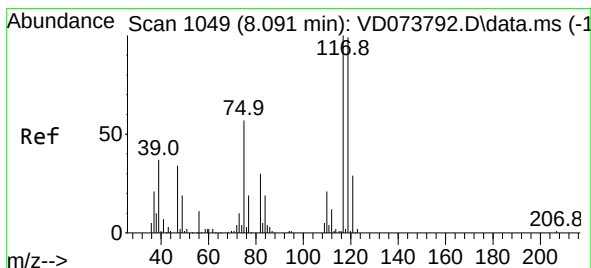
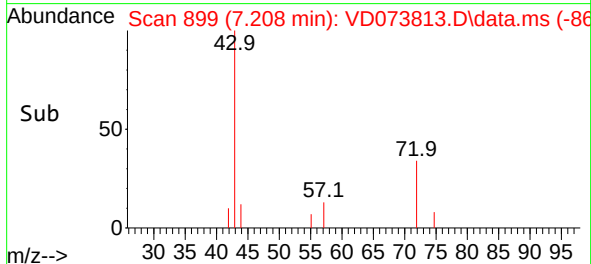
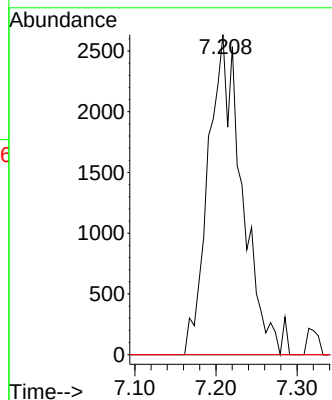
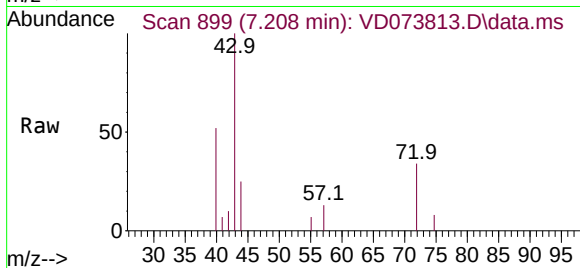
Tgt Ion: 43 Resp: 7585

Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

70 0.0 7.7 11.5#



#38

Carbon Tetrachloride

Concen: 5.893 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.117 min

Lab File: VD073813.D

Acq: 07 Jul 2022 17:28

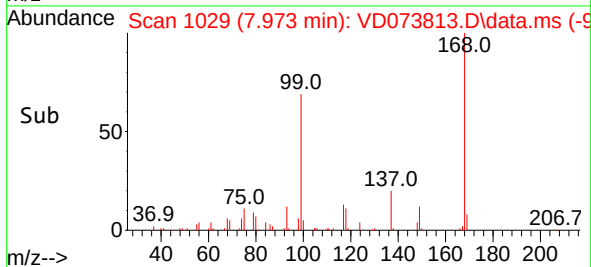
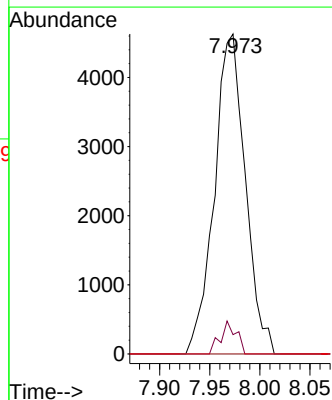
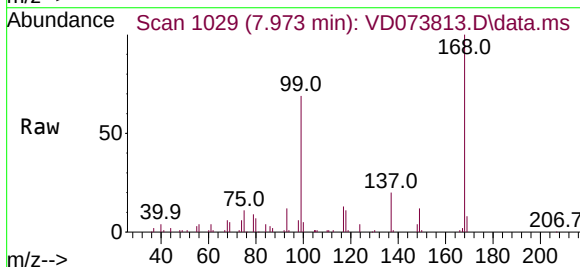
Tgt Ion: 117 Resp: 9931

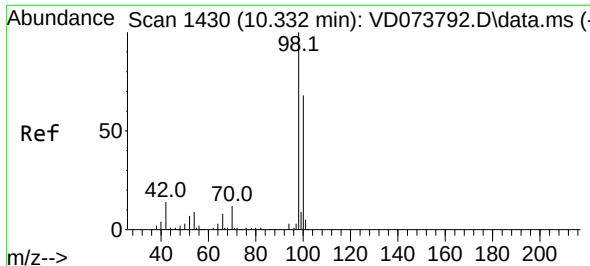
Ion Ratio Lower Upper

117 100

119 6.0 79.3 118.9#

121 0.0 22.9 34.3#

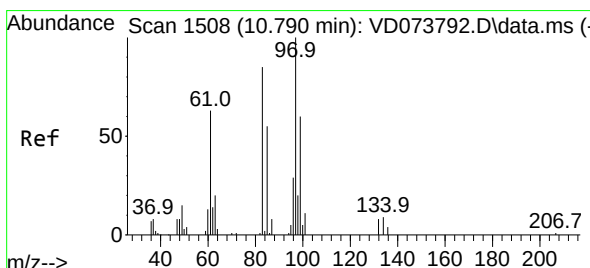
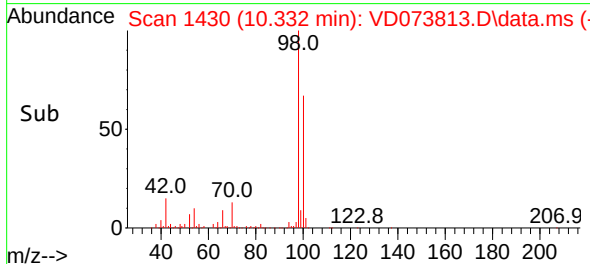
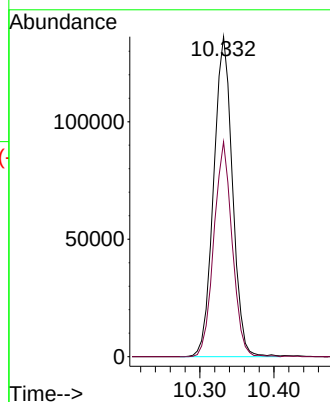
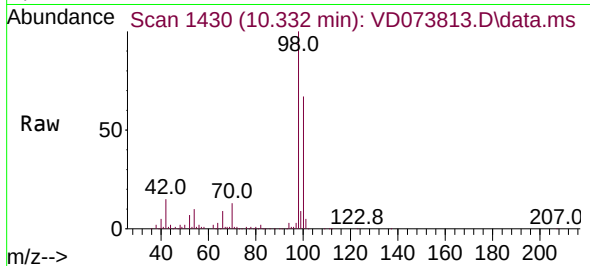




#50
Toluene-d8
Concen: 61.170 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073813.D
Acq: 07 Jul 2022 17:28

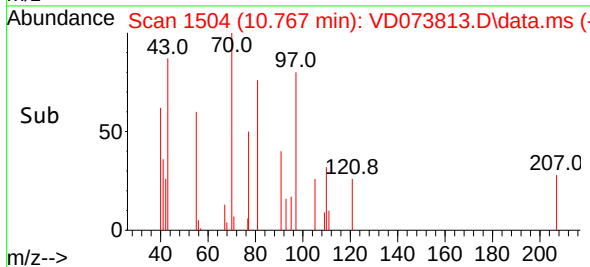
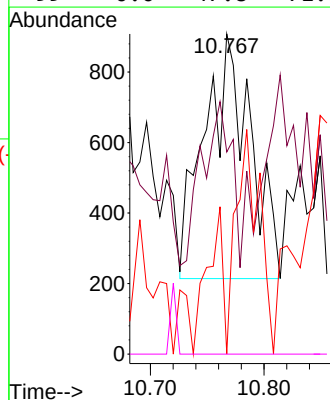
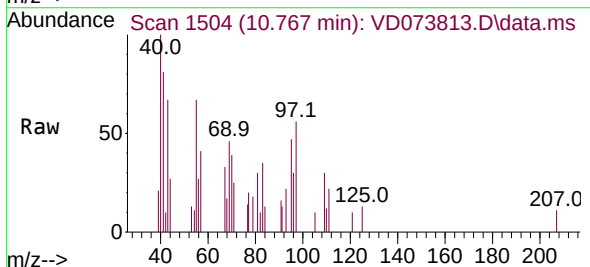
Instrument :
MSVOA_D
ClientSampleId :
20220484A-2A

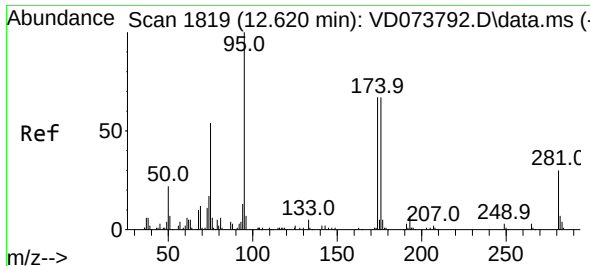
Tgt Ion: 98 Resp: 240080
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9



#55
1,1,2-Trichloroethane
Concen: 1.928 ug/l
RT: 10.767 min Scan# 1504
Delta R.T. -0.023 min
Lab File: VD073813.D
Acq: 07 Jul 2022 17:28

Tgt Ion: 97 Resp: 1950
Ion Ratio Lower Upper
97 100
83 46.4 68.2 102.2#
85 0.0 43.9 65.9#
99 0.0 47.8 71.8#

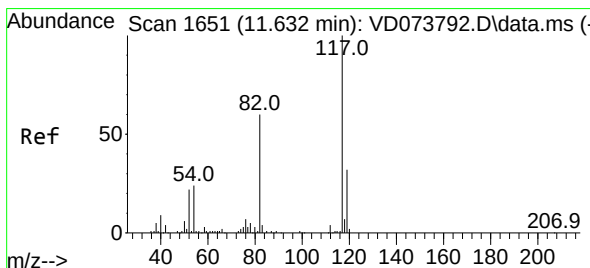
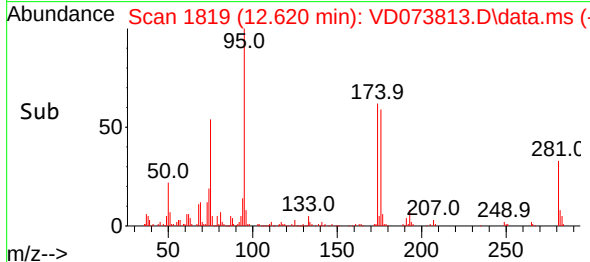
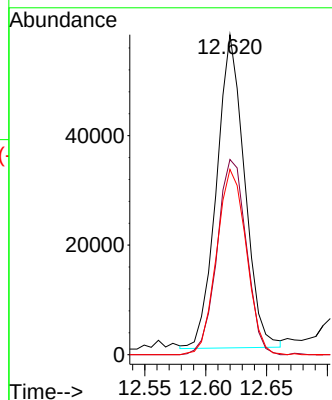
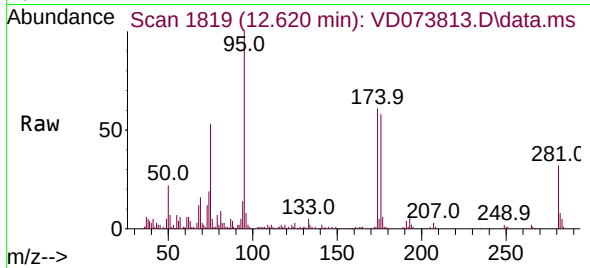




#62
4-Bromofluorobenzene
Concen: 56.665 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073813.D
Acq: 07 Jul 2022 17:28

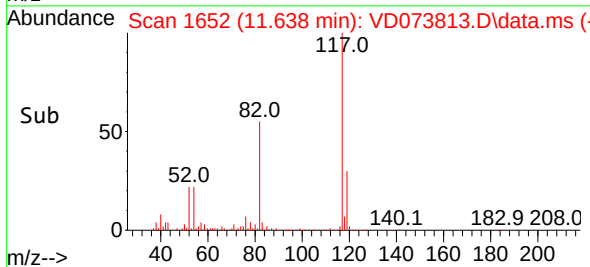
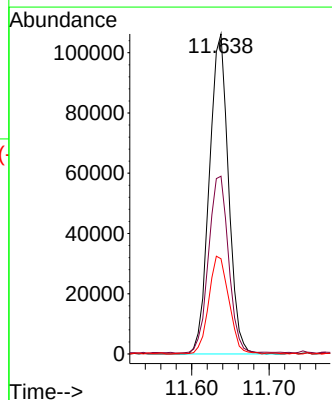
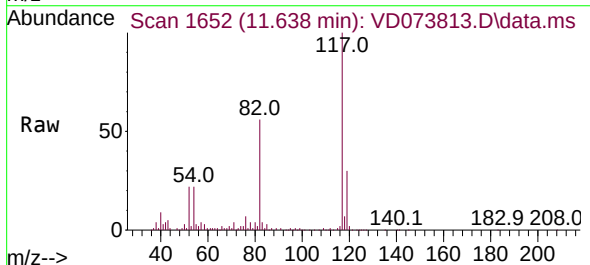
Instrument :
MSVOA_D
ClientSampleId :
20220484A-2A

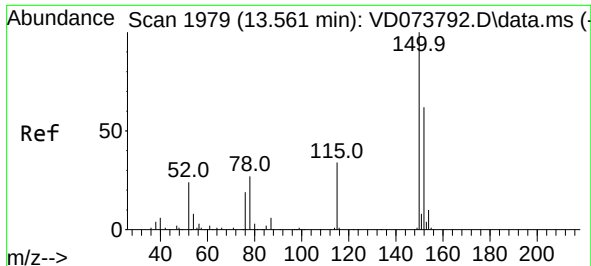
Tgt Ion: 95 Resp: 91416
Ion Ratio Lower Upper
95 100
174 65.2 0.0 132.4
176 62.7 0.0 129.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.006 min
Lab File: VD073813.D
Acq: 07 Jul 2022 17:28

Tgt Ion: 117 Resp: 182047
Ion Ratio Lower Upper
117 100
82 55.3 48.2 72.2
119 29.6 25.2 37.8

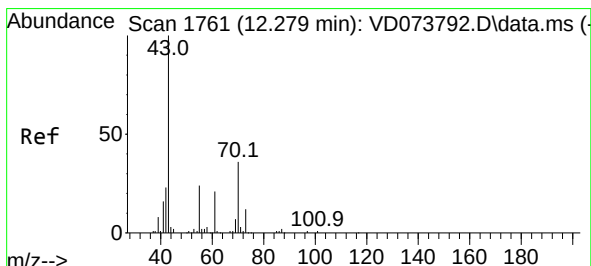
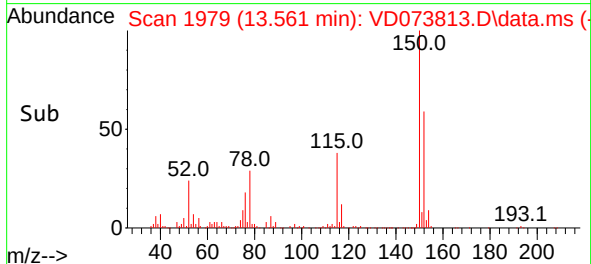
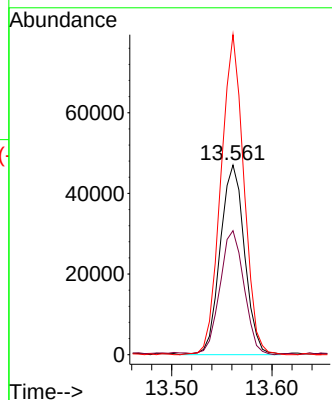
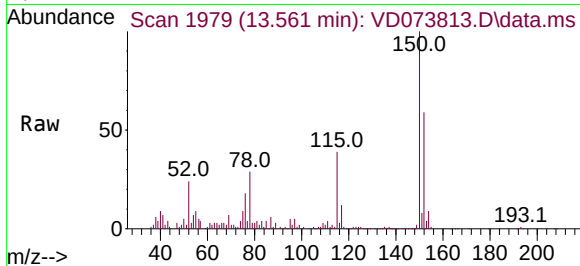




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1799
Delta R.T. 0.000 min
Lab File: VD073813.D
Acq: 07 Jul 2022 17:28

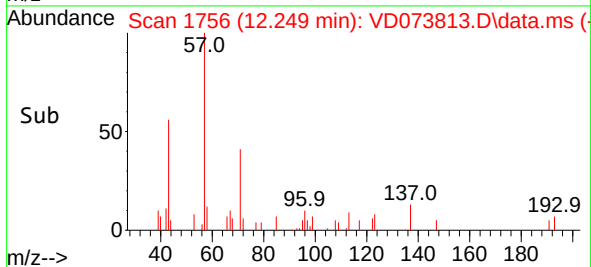
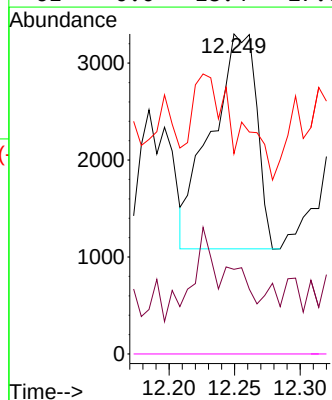
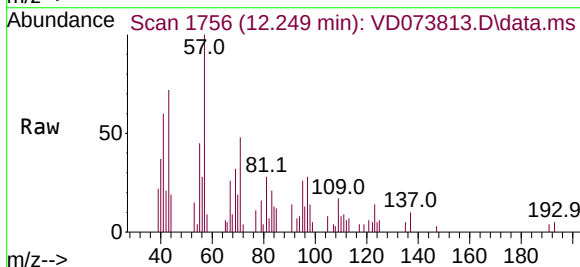
Instrument :
MSVOA_D
ClientSampleId :
20220484A-2A

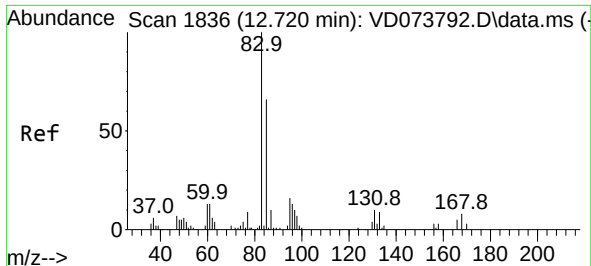
Tgt Ion:152 Resp: 79083
Ion Ratio Lower Upper
152 100
115 64.9 32.2 96.6
150 159.2 0.0 353.0



#74
N-ethyl acetate
Concen: 3.114 ug/l
RT: 12.249 min Scan# 1756
Delta R.T. -0.029 min
Lab File: VD073813.D
Acq: 07 Jul 2022 17:28

Tgt Ion: 43 Resp: 5350
Ion Ratio Lower Upper
43 100
70 0.0 31.5 47.3#
55 0.0 18.5 27.7#
61 0.0 18.4 27.6#

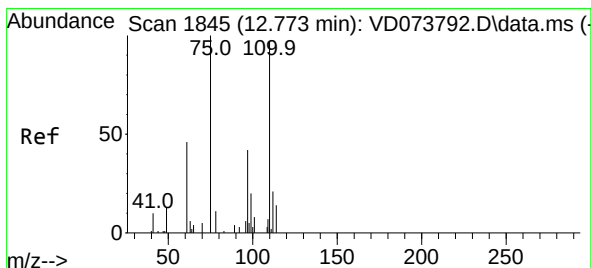
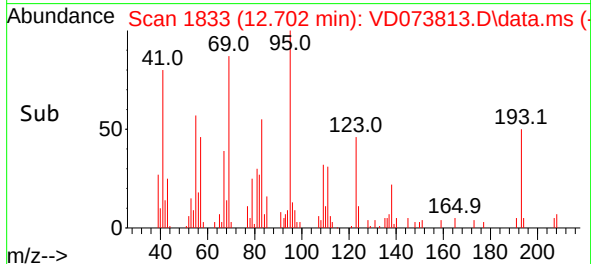
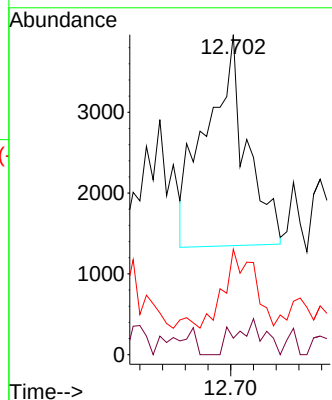
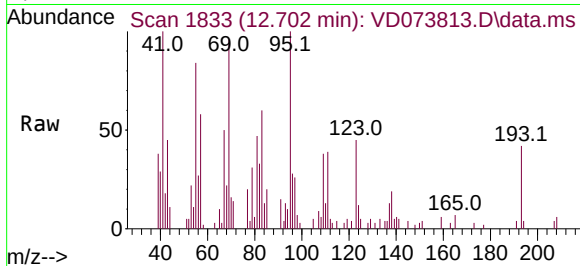




#75
1,1,2,2-Tetrachloroethane
Concen: 5.045 ug/l
RT: 12.702 min Scan# 1833
Delta R.T. -0.017 min
Lab File: VD073813.D
Acq: 07 Jul 2022 17:28

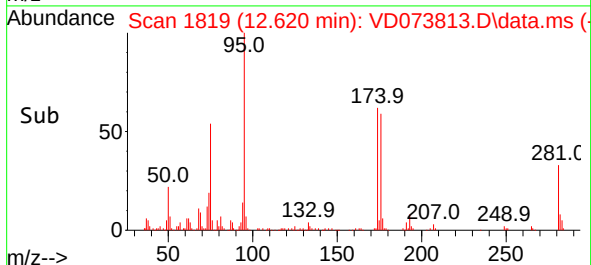
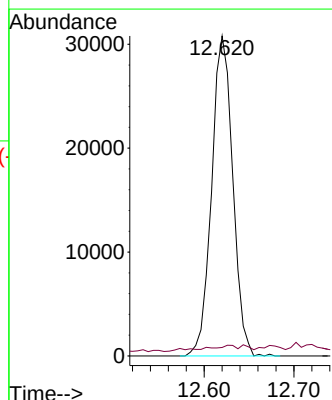
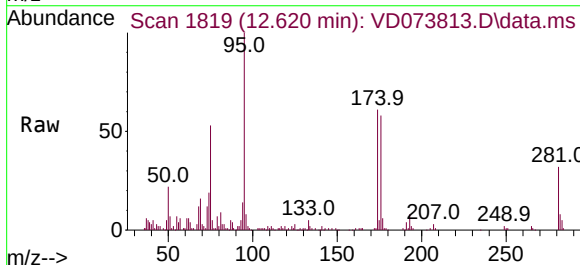
Instrument :
MSVOA_D
ClientSampleId :
20220484A-2A

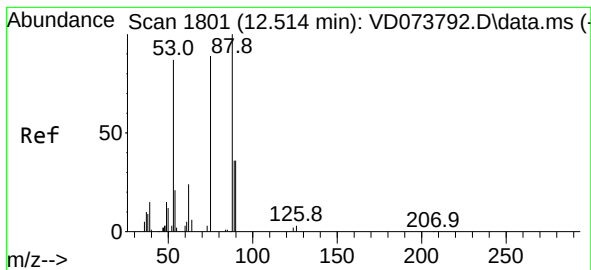
Tgt Ion: 83 Resp: 6381
Ion Ratio Lower Upper
83 100
131 12.0 5.2 15.6
85 27.9 32.0 96.0#



#76
1,2,3-Trichloropropane
Concen: 58.554 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD073813.D
Acq: 07 Jul 2022 17:28

Tgt Ion: 75 Resp: 50417
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.816 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD073813.D
 Acq: 07 Jul 2022 17:28

Instrument :
 MSVOA_D
 ClientSampleId :
 20220484A-2A

Tgt Ion: 75 Resp: 50417
 Ion Ratio Lower Upper
 75 100
 53 0.3 77.6 116.4#
 89 0.0 37.2 55.8#

