

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071222\
 Data File : VD073834.D
 Acq On : 12 Jul 2022 12:59
 Operator : VA/SY
 Sample : N3641-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-070822

Quant Time: Jul 13 04:30:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 12 07:04:44 2022
 Response via : Initial Calibration

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

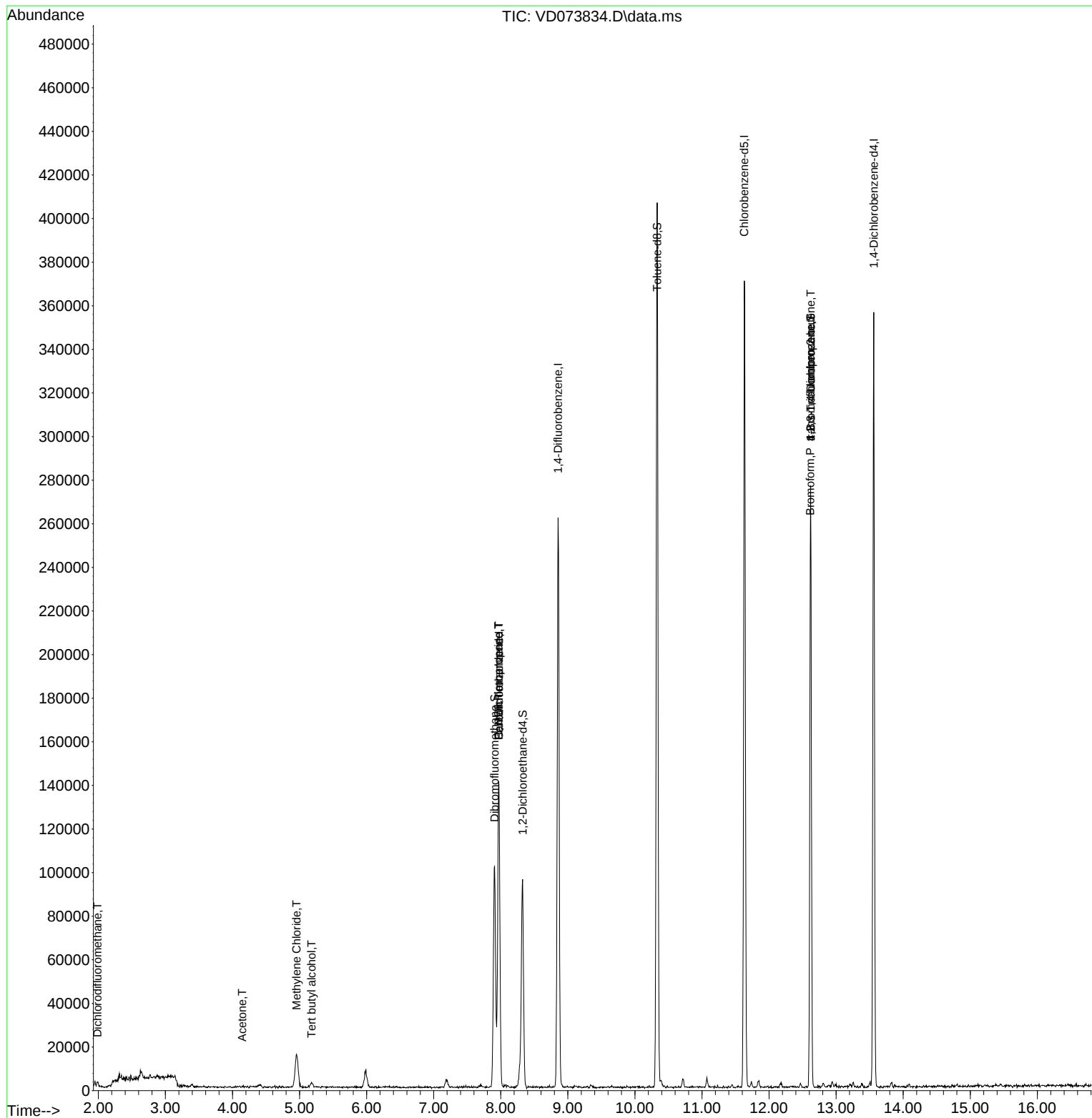
Internal Standards						
1) Pentafluorobenzene	7.973	168	90017	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	207987	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	194894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	78186	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	74468	61.762	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.520%	
35) Dibromofluoromethane	7.908	113	70693	51.379	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.760%	
50) Toluene-d8	10.332	98	264764	55.185	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 110.360%	
62) 4-Bromofluorobenzene	12.620	95	88373	43.472	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 86.940%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.985	85	1873	3.669	ug/l	79
3) Chloromethane	2.215	50	459	Below Cal	#	43
4) Vinyl Chloride	2.344	62	273	Below Cal	#	43
5) Bromomethane	2.779	94	660	Below Cal		85
11) Tert butyl alcohol	5.179	59	1755	6.592	ug/l #	100
16) Acetone	4.144	43	1028	4.977	ug/l #	69
17) Carbon Disulfide	4.385	76	2245	Below Cal	#	71
20) Methylene Chloride	4.956	84	11528	5.488	ug/l #	92
31) Cyclohexane	7.979	56	3398	Below Cal	#	63
36) 1,1-Dichloropropene	7.967	75	9783	7.027	ug/l #	50
38) Carbon Tetrachloride	7.973	117	11265	7.085	ug/l #	18
71) Bromoform	12.614	173	821	1.237	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	52865	62.500	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	52865	164.257	ug/l #	10

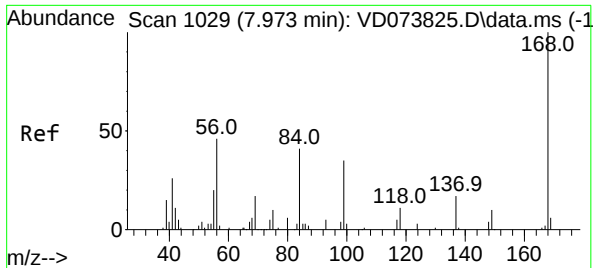
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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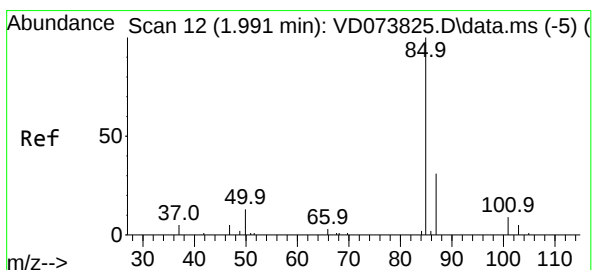
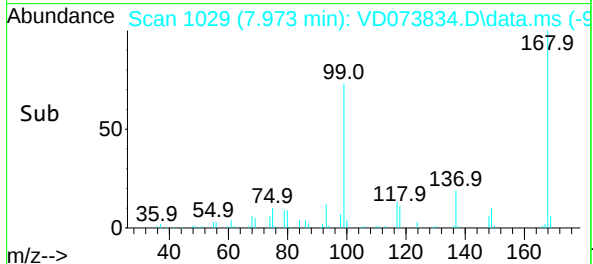
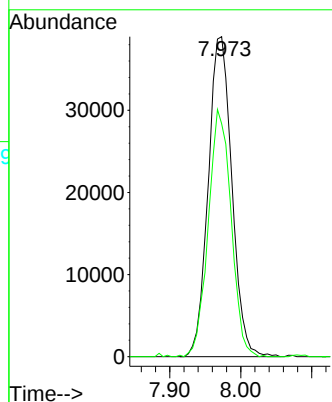
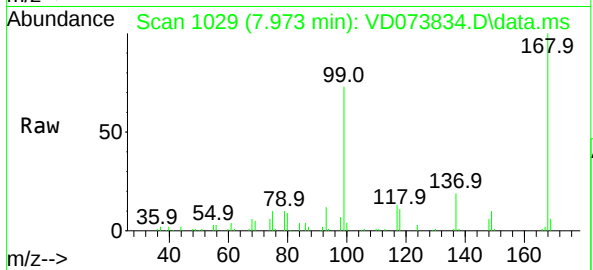




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD073834.D
Acq: 12 Jul 2022 12:59

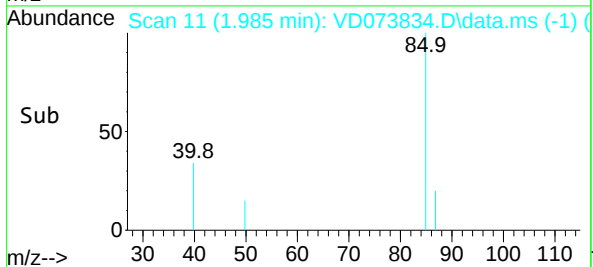
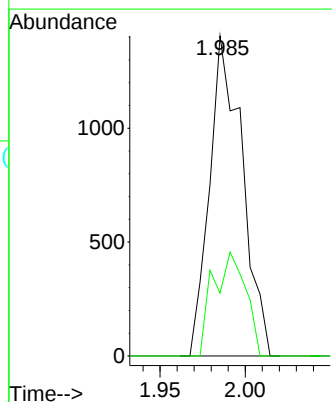
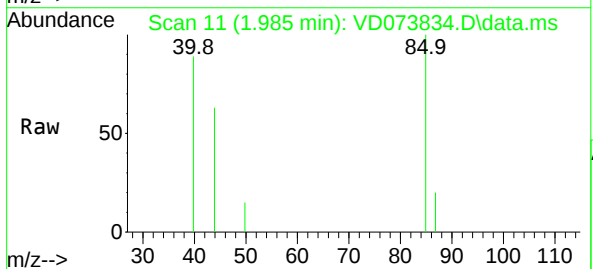
Instrument :
MSVOA_D
ClientSampleId :
CL-01-070822

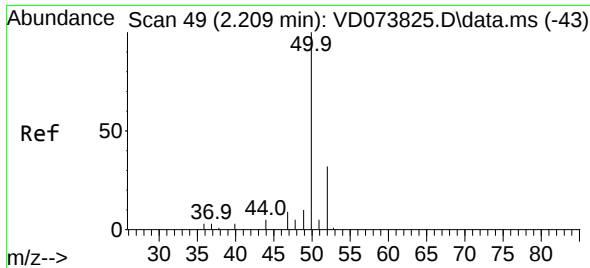
Tgt Ion:168 Resp: 90017
Ion Ratio Lower Upper
168 100
99 72.8 53.8 80.6



#2
Dichlorodifluoromethane
Concen: 3.669 ug/l
RT: 1.985 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD073834.D
Acq: 12 Jul 2022 12:59

Tgt Ion: 85 Resp: 1873
Ion Ratio Lower Upper
85 100
87 19.6 15.6 46.7

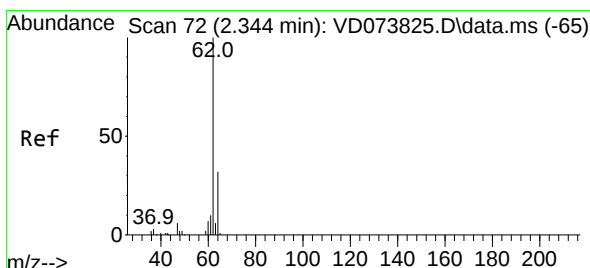
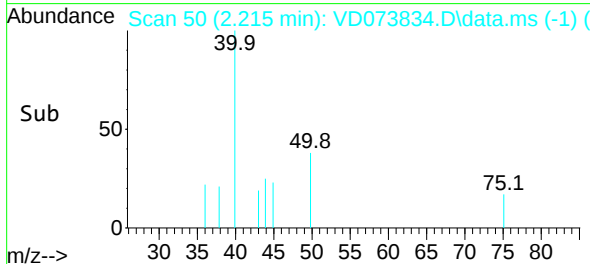
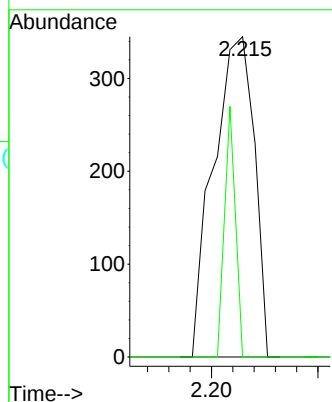
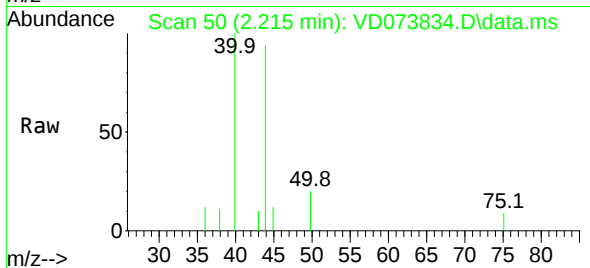




#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD073834.D
Acq: 12 Jul 2022 12:59

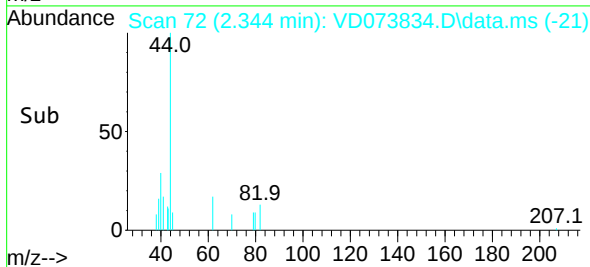
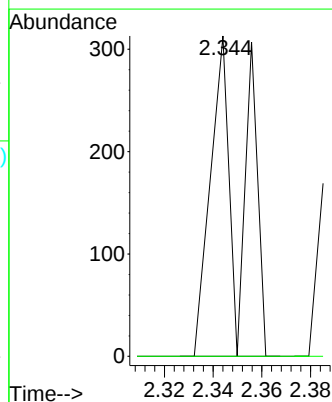
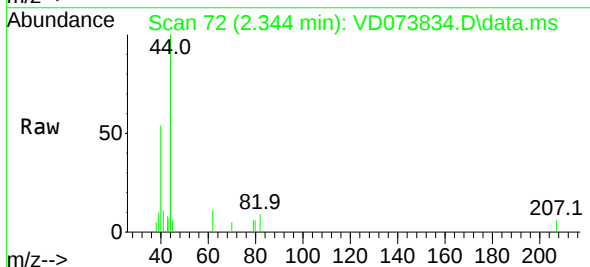
Instrument :
MSVOA_D
ClientSampleId :
CL-01-070822

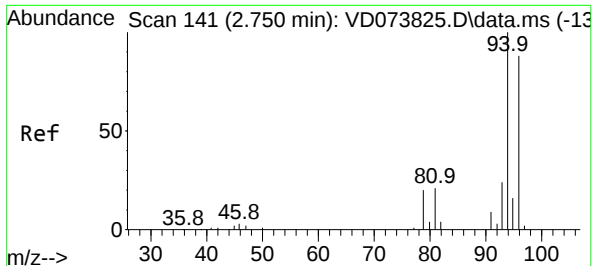
Tgt Ion: 50 Resp: 459
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.344 min Scan# 72
Delta R.T. -0.000 min
Lab File: VD073834.D
Acq: 12 Jul 2022 12:59

Tgt Ion: 62 Resp: 273
Ion Ratio Lower Upper
62 100
64 0.0 25.4 38.0#

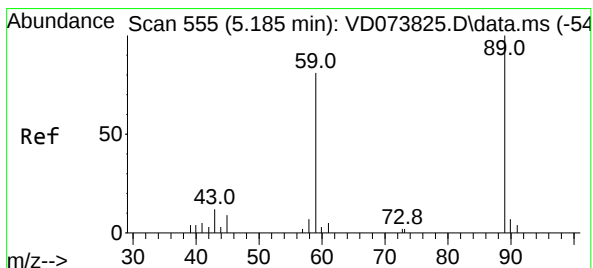
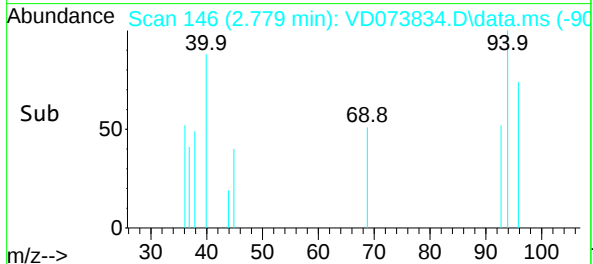
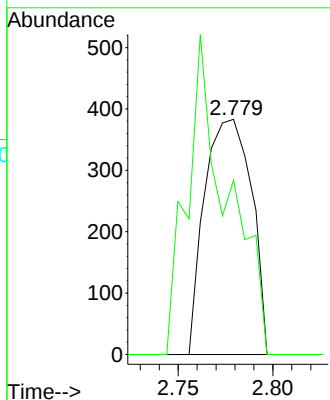
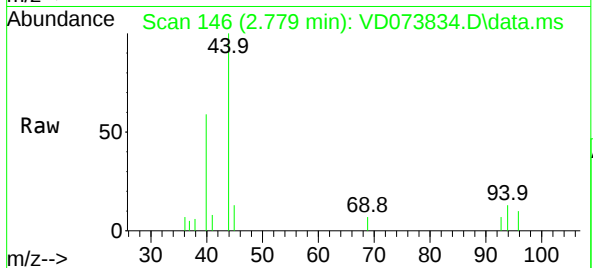




#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 141
Delta R.T. 0.029 min
Lab File: VD073834.D
Acq: 12 Jul 2022 12:59

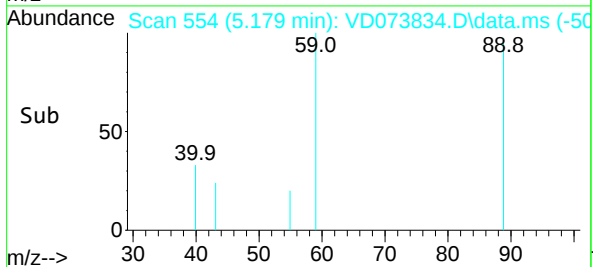
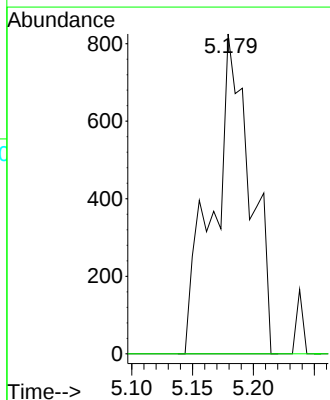
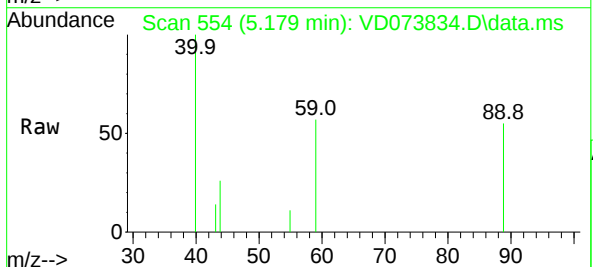
Instrument :
MSVOA_D
ClientSampleId :
CL-01-070822

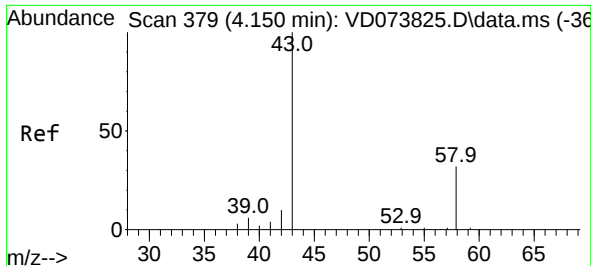
Tgt Ion: 94 Resp: 660
Ion Ratio Lower Upper
94 100
96 74.2 70.3 105.5



#11
Tert butyl alcohol
Concen: 6.592 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.006 min
Lab File: VD073834.D
Acq: 12 Jul 2022 12:59

Tgt Ion: 59 Resp: 1755
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

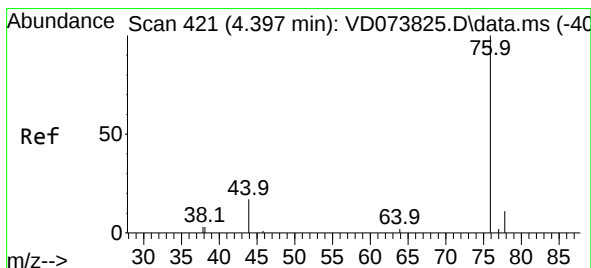
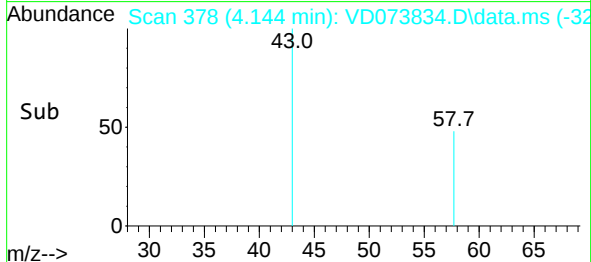
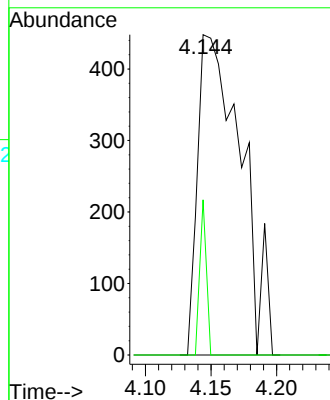
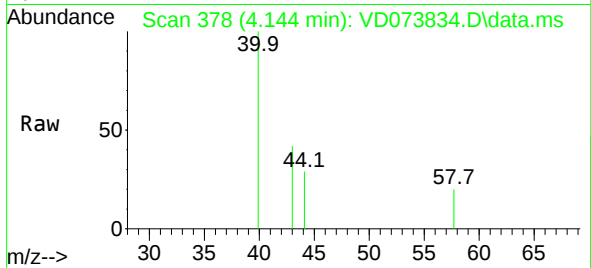




#16
Acetone
Concen: 4.977 ug/l
RT: 4.144 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD073834.D
Acq: 12 Jul 2022 12:59

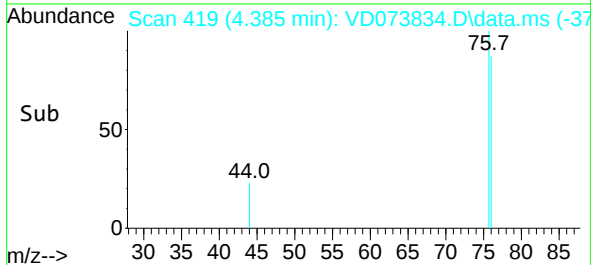
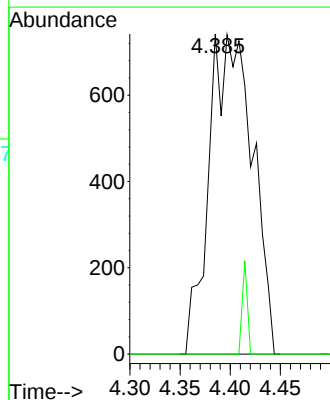
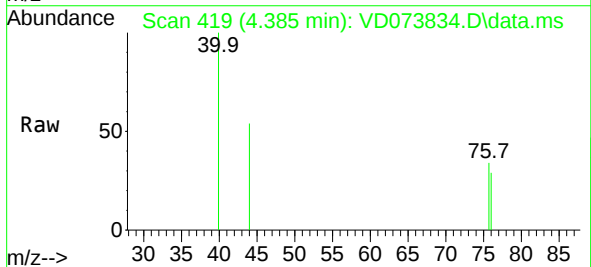
Instrument :
MSVOA_D
ClientSampleId :
CL-01-070822

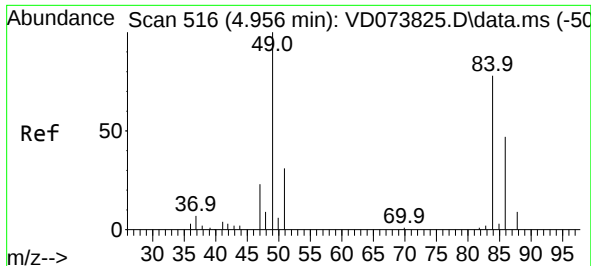
Tgt Ion: 43 Resp: 1028
Ion Ratio Lower Upper
43 100
58 48.4 25.2 37.8#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.385 min Scan# 419
Delta R.T. -0.012 min
Lab File: VD073834.D
Acq: 12 Jul 2022 12:59

Tgt Ion: 76 Resp: 2245
Ion Ratio Lower Upper
76 100
78 0.0 8.7 13.1#

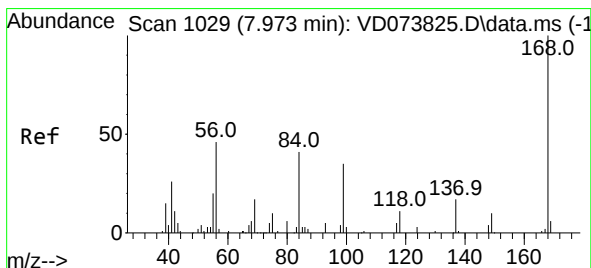
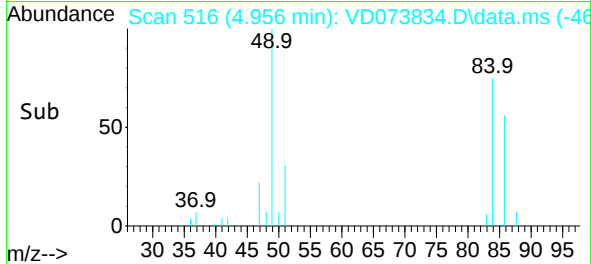
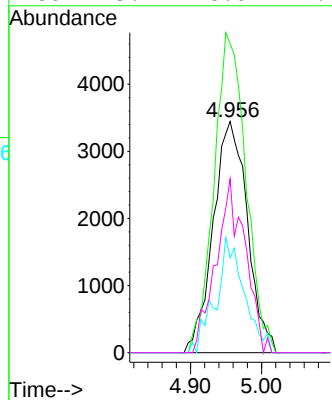
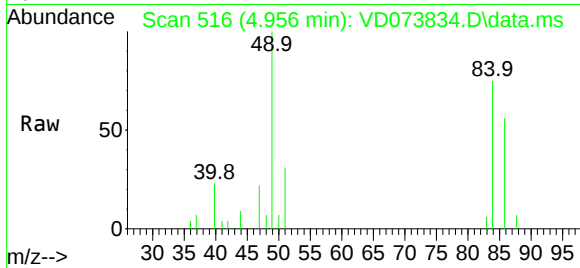




#20
Methylene Chloride
Concen: 5.488 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.000 min
Lab File: VD073834.D
Acq: 12 Jul 2022 12:59

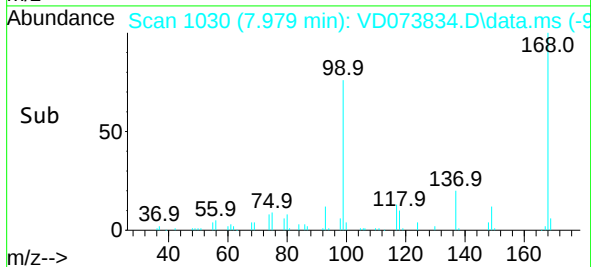
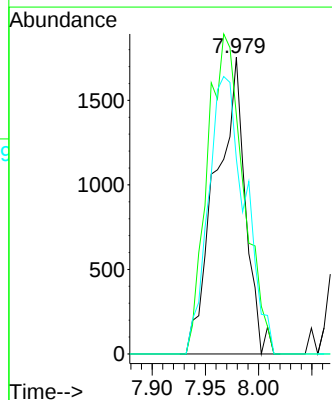
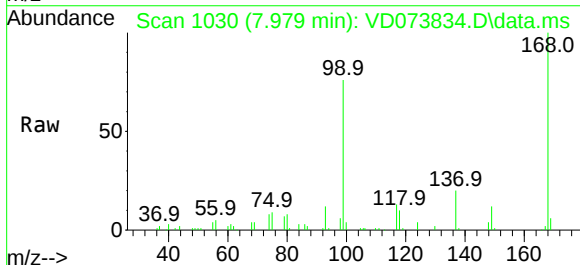
Instrument :
MSVOA_D
ClientSampleId :
CL-01-070822

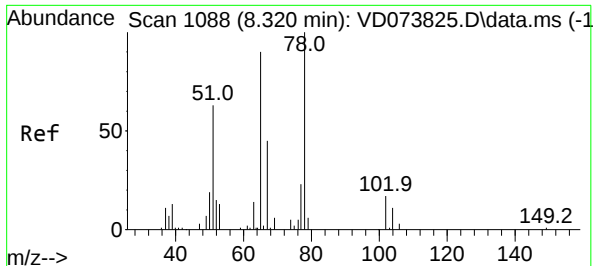
Tgt Ion:	84	Resp:	11528
Ion	Ratio	Lower	Upper
84	100		
49	133.6	102.5	153.7
51	41.0	31.4	47.0
86	75.1	48.0	72.0



#31
Cyclohexane
Concen: Below Cal
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD073834.D
Acq: 12 Jul 2022 12:59

Tgt Ion:	56	Resp:	3398
Ion	Ratio	Lower	Upper
56	100		
69	80.6	29.1	43.7
84	65.8	68.2	102.2





#33

1,2-Dichloroethane-d4

Concen: 61.762 ug/l

RT: 8.326 min Scan# 1088

Delta R.T. 0.006 min

Lab File: VD073834.D

Acq: 12 Jul 2022 12:59

Instrument :

MSVOA_D

ClientSampleId :

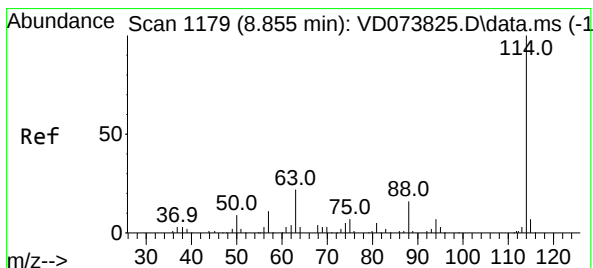
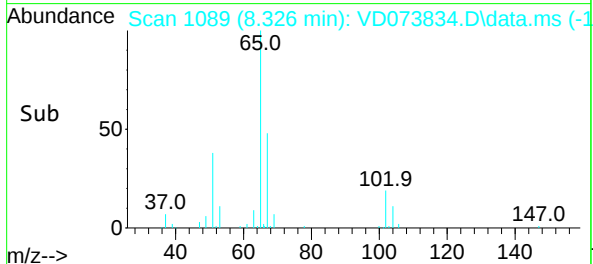
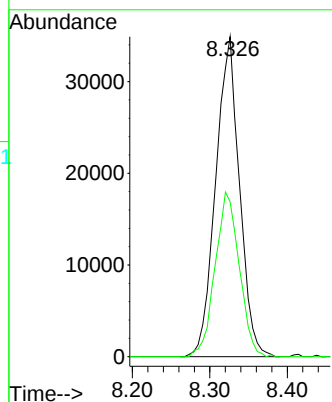
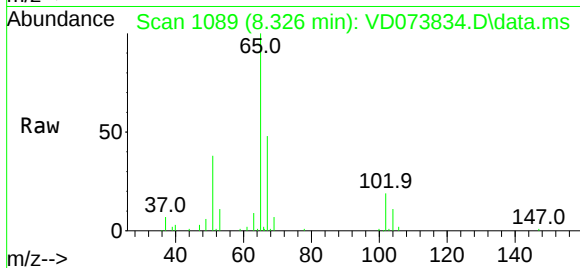
CL-01-070822

Tgt Ion: 65 Resp: 74468

Ion Ratio Lower Upper

65 100

67 52.2 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073834.D

Acq: 12 Jul 2022 12:59

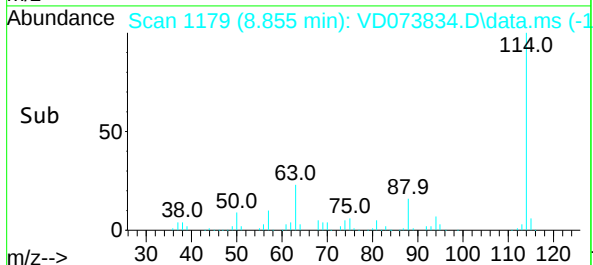
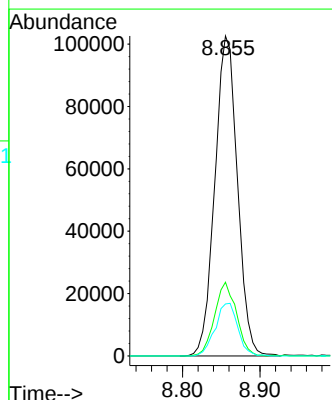
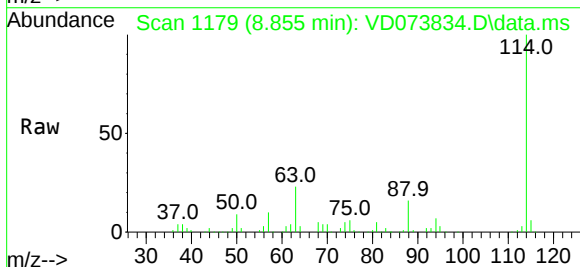
Tgt Ion: 114 Resp: 207987

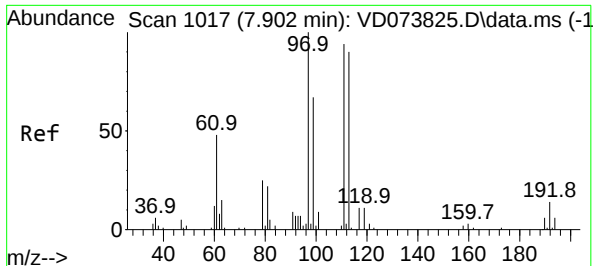
Ion Ratio Lower Upper

114 100

63 23.0 0.0 43.0

88 16.2 0.0 33.0





#35

Dibromofluoromethane

Concen: 51.379 ug/l

RT: 7.908 min Scan# 1017

Delta R.T. 0.006 min

Lab File: VD073834.D

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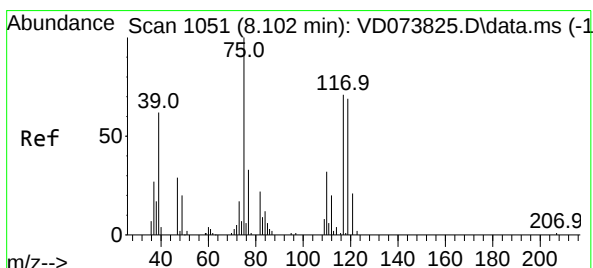
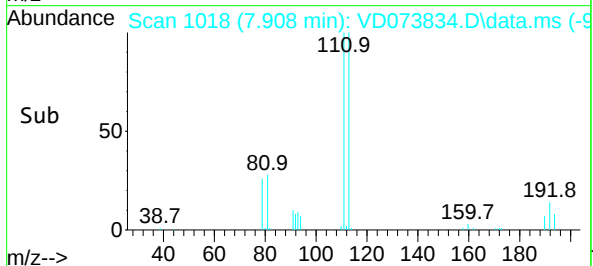
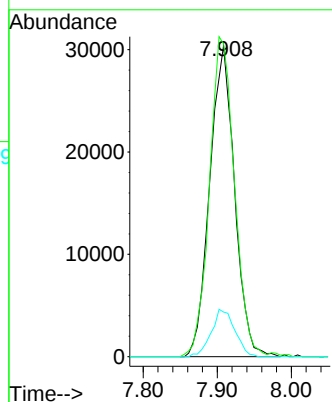
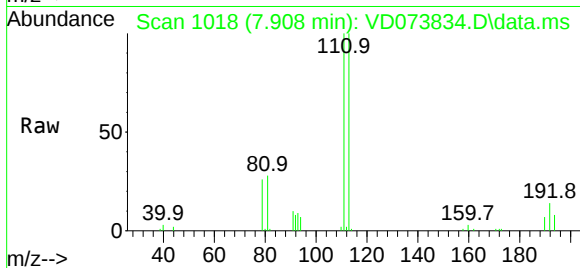
Tgt Ion:113 Resp: 70693

Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.4

192 14.4 12.3 18.5



#36

1,1-Dichloropropene

Concen: 7.027 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.135 min

Lab File: VD073834.D

Acq: 12 Jul 2022 12:59

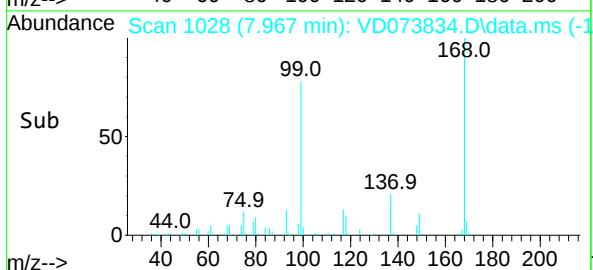
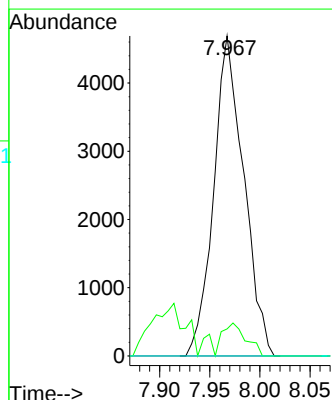
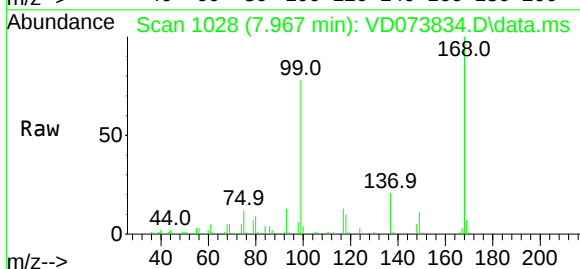
Tgt Ion: 75 Resp: 9783

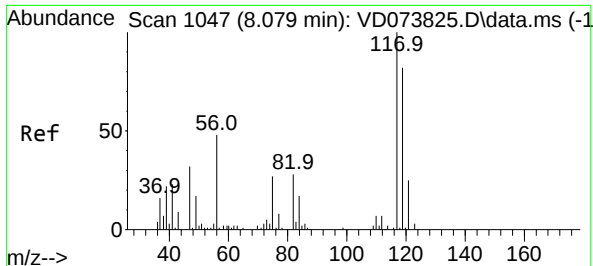
Ion Ratio Lower Upper

75 100

110 8.1 16.0 47.9#

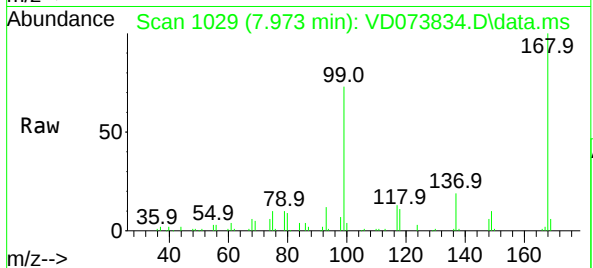
77 0.0 25.3 37.9#



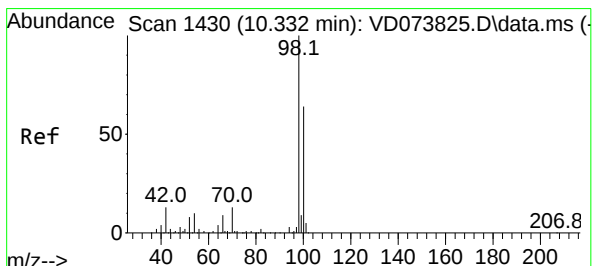
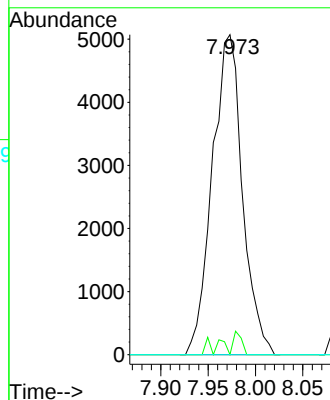
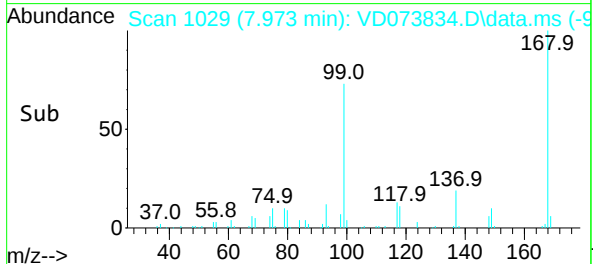


#38
Carbon Tetrachloride
Concen: 7.085 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.106 min
Lab File: VD073834.D
Acq: 12 Jul 2022 12:59

Instrument :
MSVOA_D
ClientSampleId :
CL-01-070822

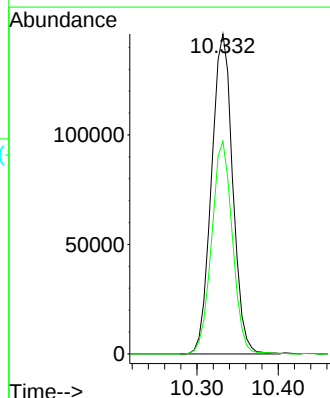
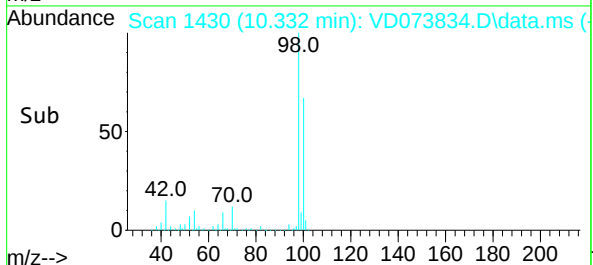
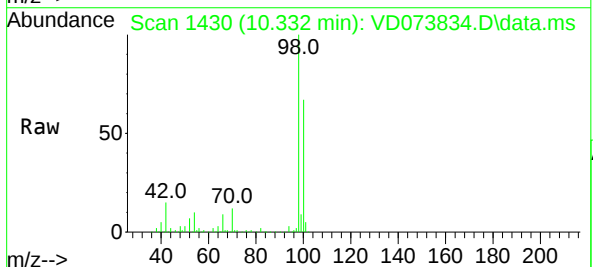


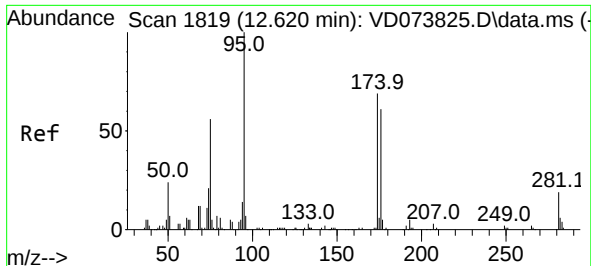
Tgt Ion:117 Resp: 11265
Ion Ratio Lower Upper
117 100
119 0.0 65.6 98.4#
121 0.0 20.1 30.1#



#50
Toluene-d8
Concen: 55.185 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073834.D
Acq: 12 Jul 2022 12:59

Tgt Ion: 98 Resp: 264764
Ion Ratio Lower Upper
98 100
100 65.2 52.9 79.3

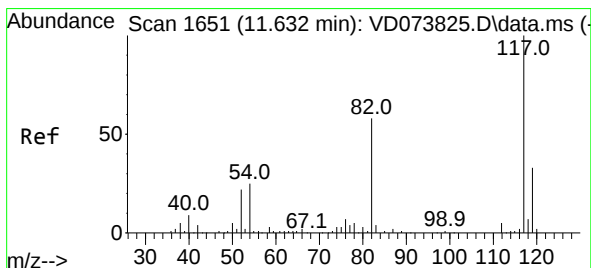
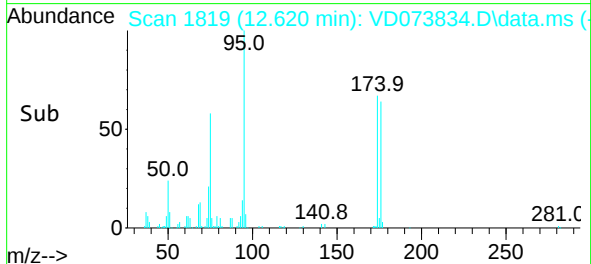
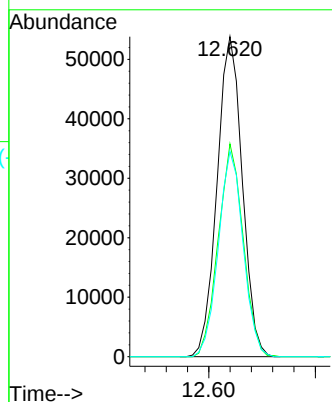
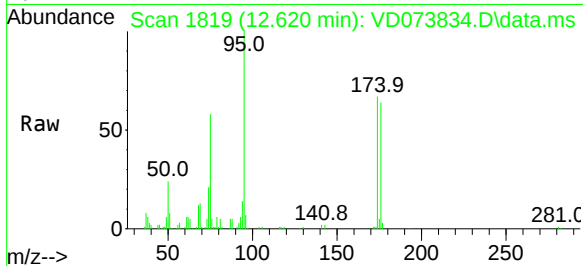




#62
4-Bromofluorobenzene
Concen: 43.472 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073834.D
Acq: 12 Jul 2022 12:59

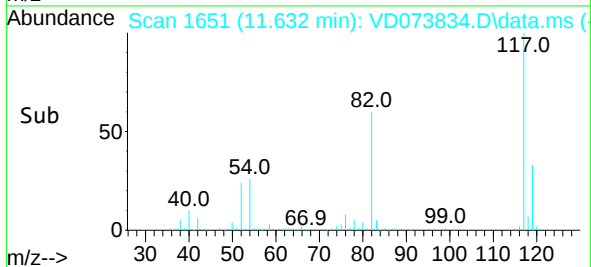
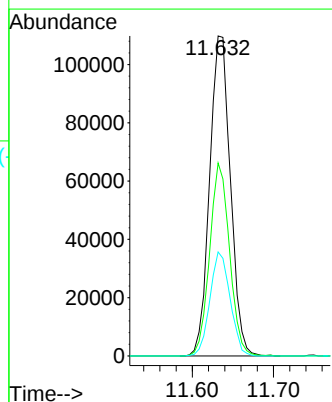
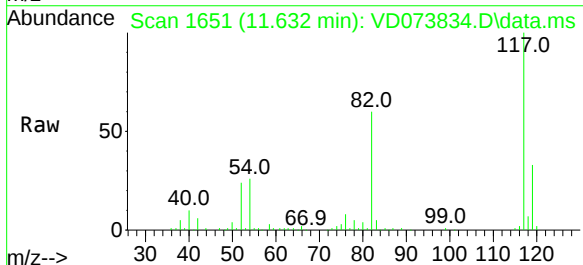
Instrument :
MSVOA_D
ClientSampleId :
CL-01-070822

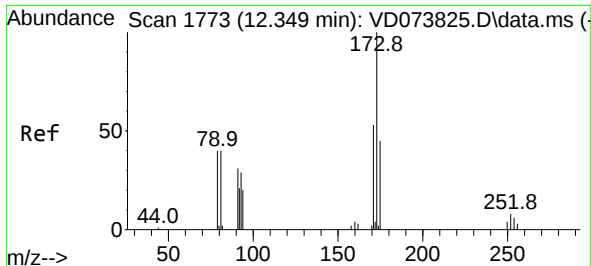
Tgt Ion: 95 Resp: 88373
Ion Ratio Lower Upper
95 100
174 65.6 0.0 131.8
176 62.9 0.0 124.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073834.D
Acq: 12 Jul 2022 12:59

Tgt Ion: 117 Resp: 194894
Ion Ratio Lower Upper
117 100
82 60.3 46.6 69.8
119 32.5 26.1 39.1

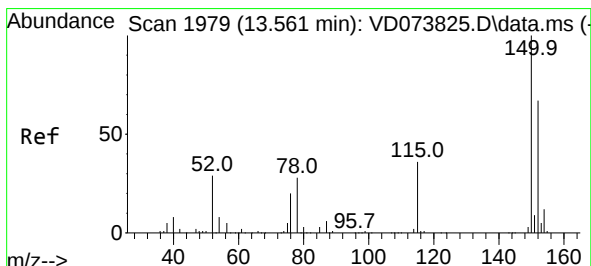
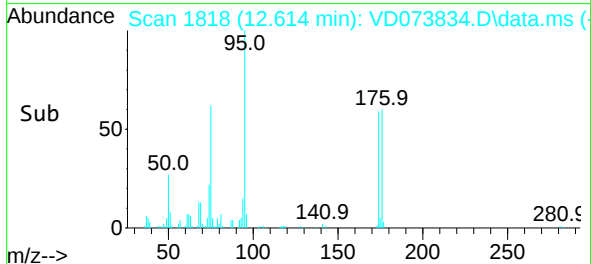
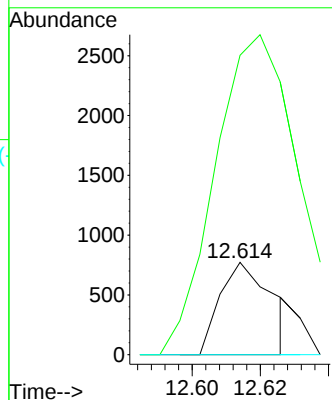
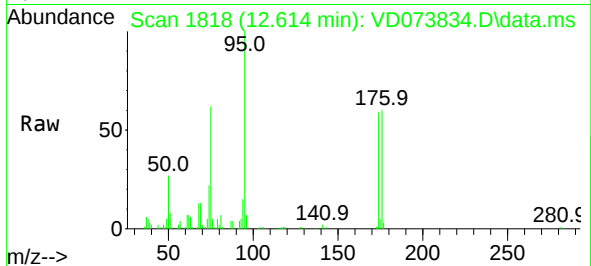




#71
Bromoform
Concen: 1.237 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.265 min
Lab File: VD073834.D
Acq: 12 Jul 2022 12:59

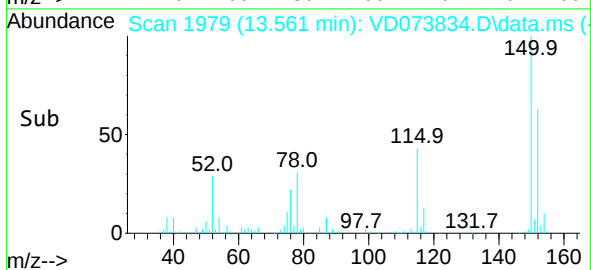
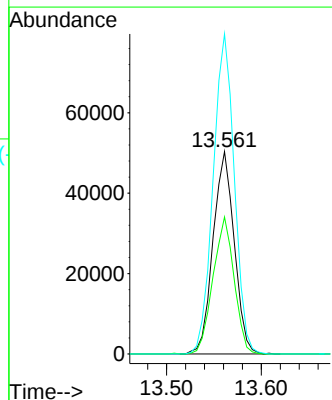
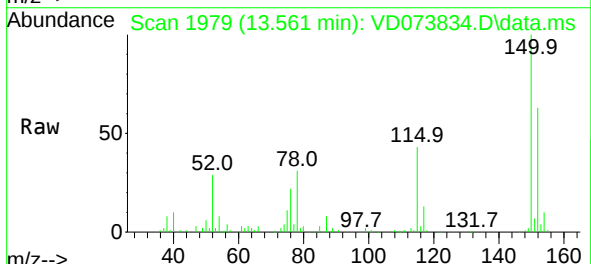
Instrument :
MSVOA_D
ClientSampleId :
CL-01-070822

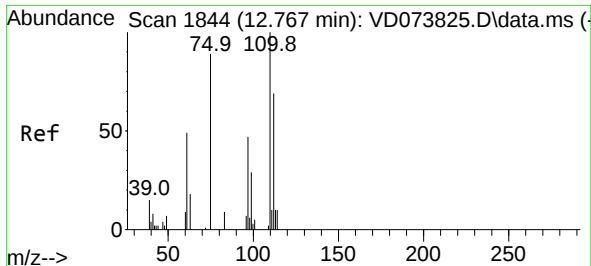
Tgt Ion:173 Resp: 821
Ion Ratio Lower Upper
173 100
175 447.0 23.4 70.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073834.D
Acq: 12 Jul 2022 12:59

Tgt Ion:152 Resp: 78186
Ion Ratio Lower Upper
152 100
115 67.3 33.5 100.5
150 158.3 0.0 343.2

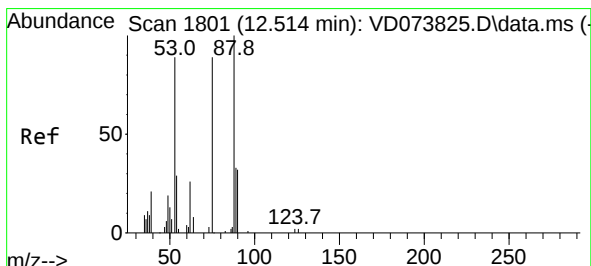
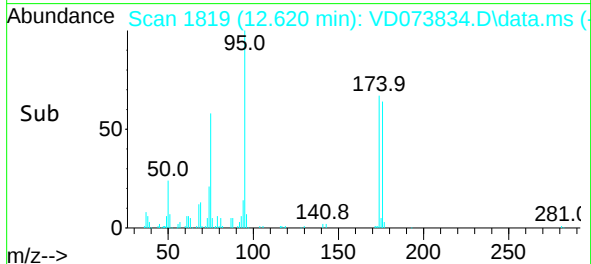
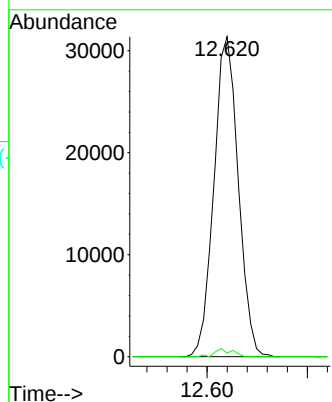
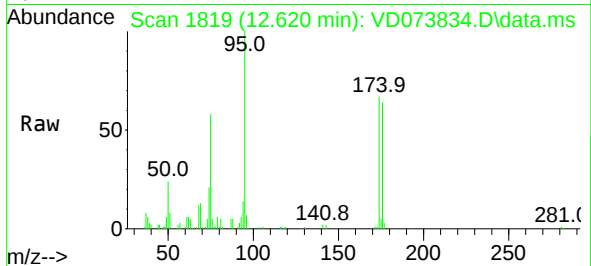




#76
1,2,3-Trichloropropane
Concen: 62.500 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073834.D
Acq: 12 Jul 2022 12:59

Instrument :
MSVOA_D
ClientSampleId :
CL-01-070822

Tgt Ion: 75 Resp: 52865
Ion Ratio Lower Upper
75 100
77 1.8 138.0 414.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 164.257 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073834.D
Acq: 12 Jul 2022 12:59

Tgt Ion: 75 Resp: 52865
Ion Ratio Lower Upper
75 100
53 0.0 79.3 118.9#
89 0.0 34.8 52.2#

