

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071922\
 Data File : VD073864.D
 Acq On : 19 Jul 2022 16:40
 Operator : VA/SY
 Sample : N3746-01
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-02-071522

Quant Time: Jul 20 01:22:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 01:56:16 2022
 Response via : Initial Calibration

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

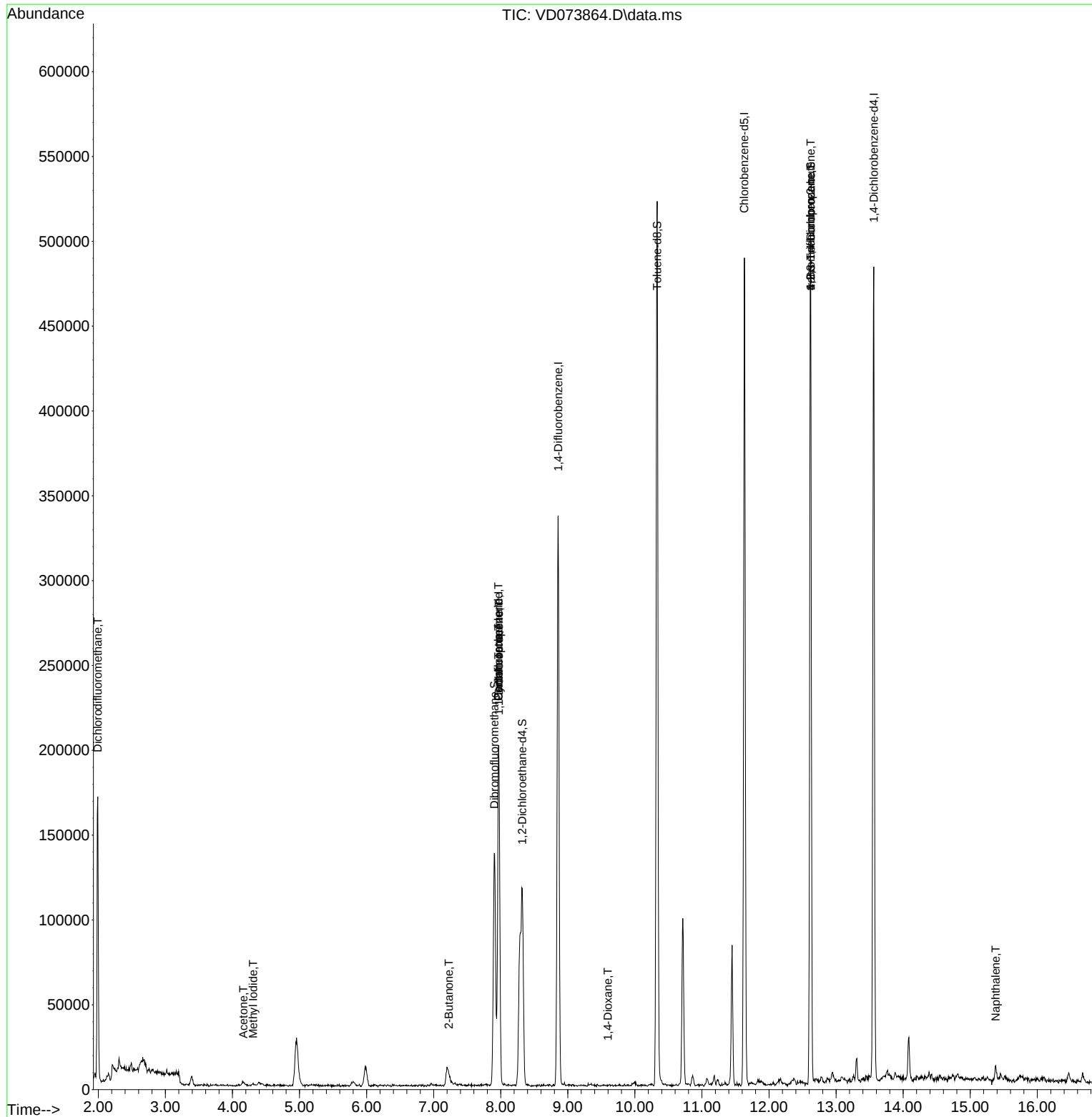
Internal Standards						
1) Pentafluorobenzene	7.967	168	143836	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	288174	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	272684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	125098	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	86437	50.325	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.660%	
35) Dibromofluoromethane	7.903	113	97666	48.040	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.080%	
50) Toluene-d8	10.332	98	353700	47.925	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.860%	
62) 4-Bromofluorobenzene	12.620	95	123348	48.610	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.220%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	121695	94.551	ug/l	95
3) Chloromethane	2.209	50	6257	Below Cal		96
10) Methyl Iodide	4.309	142	1712	1.057	ug/l #	68
11) Tert butyl alcohol	5.209	59	174	Below Cal	#	74
16) Acetone	4.162	43	4325	15.346	ug/l #	87
18) Methyl Acetate	4.726	43	571	Below Cal	#	55
20) Methylene Chloride	4.956	84	20908	Below Cal	#	82
25) 2-Butanone	7.226	43	987	2.467	ug/l #	52
31) Cyclohexane	7.967	56	3457	1.267	ug/l #	20
36) 1,1-Dichloropropene	7.973	75	11866	4.046	ug/l #	53
38) Carbon Tetrachloride	7.967	117	15163	4.527	ug/l #	16
49) 1,4-Dioxane	9.597	88	56	4.575	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	67311	50.148	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	67311	135.321	ug/l #	7
95) Naphthalene	15.379	128	7372	1.763	ug/l #	93

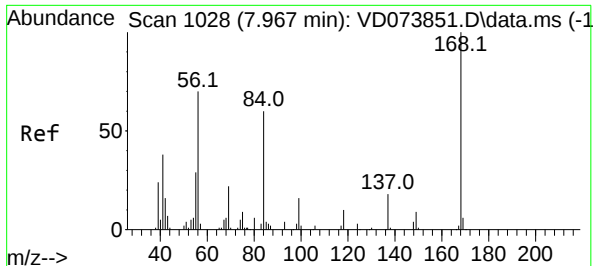
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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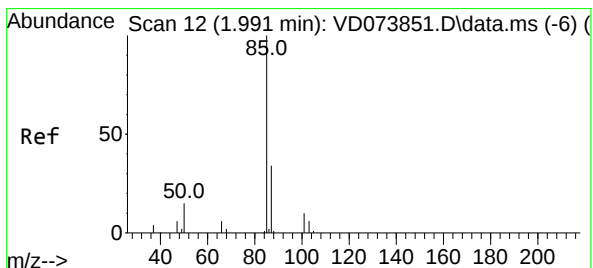
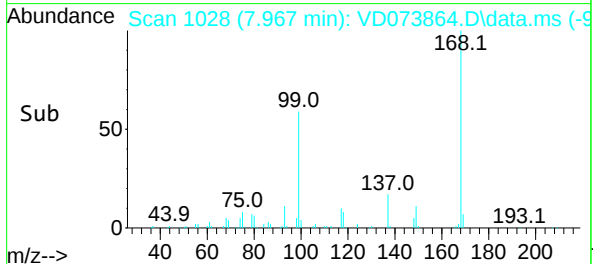
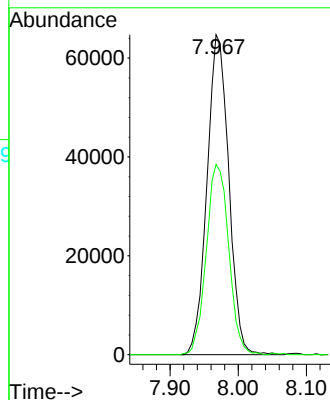
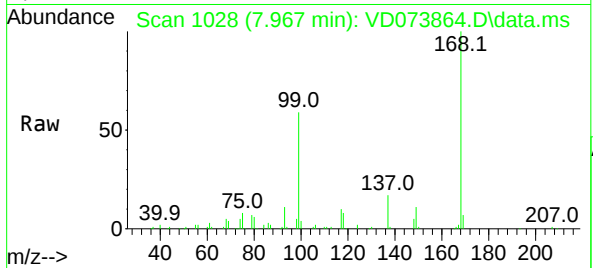




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VD073864.D
Acq: 19 Jul 2022 16:40

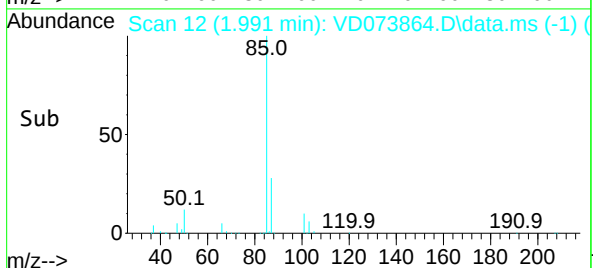
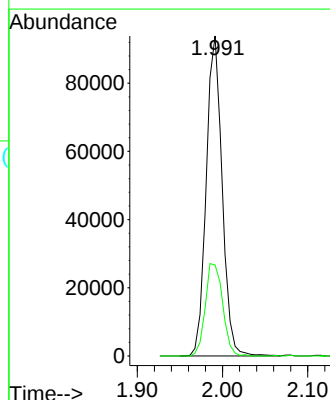
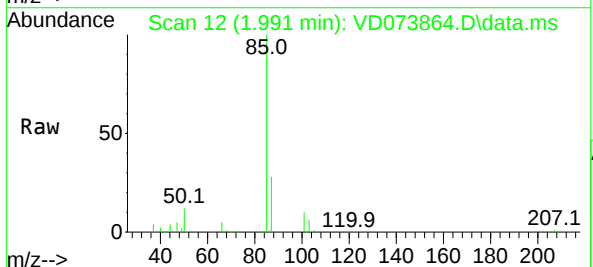
Instrument :
MSVOA_D
ClientSampleId :
CL-02-071522

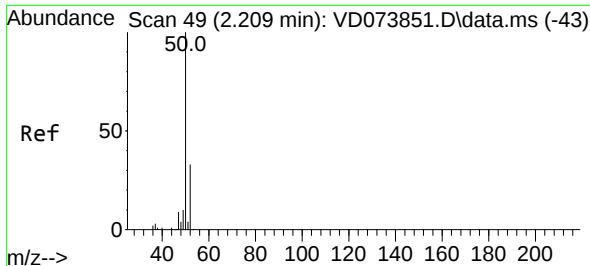
Tgt Ion:168 Resp: 143836
Ion Ratio Lower Upper
168 100
99 59.4 49.8 74.6



#2
Dichlorodifluoromethane
Concen: 94.551 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073864.D
Acq: 19 Jul 2022 16:40

Tgt Ion: 85 Resp: 121695
Ion Ratio Lower Upper
85 100
87 28.5 15.7 47.0

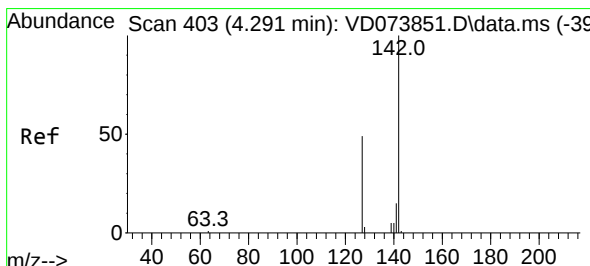
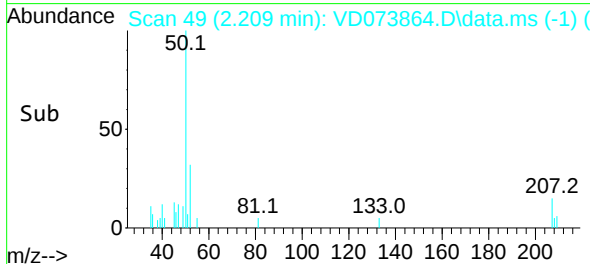
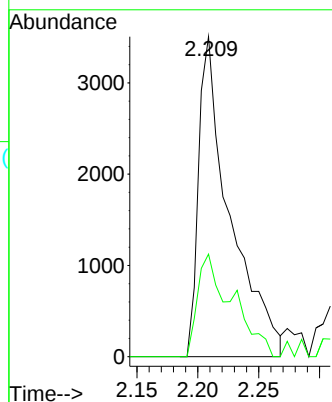
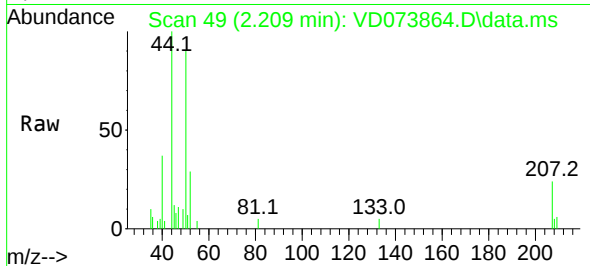




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD073864.D
Acq: 19 Jul 2022 16:40

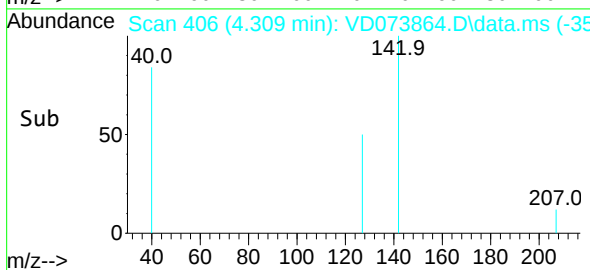
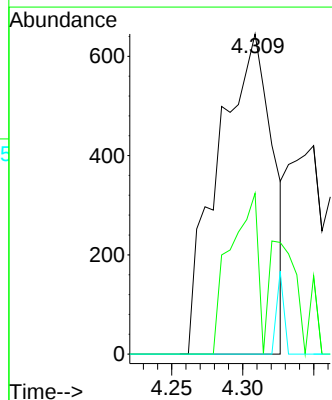
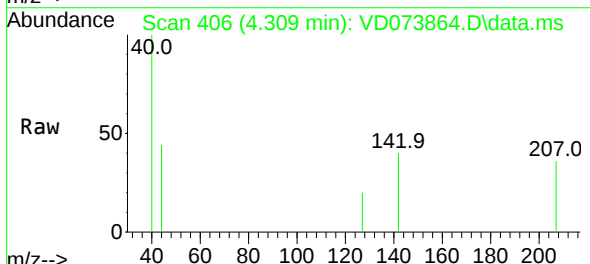
Instrument :
MSVOA_D
ClientSampleId :
CL-02-071522

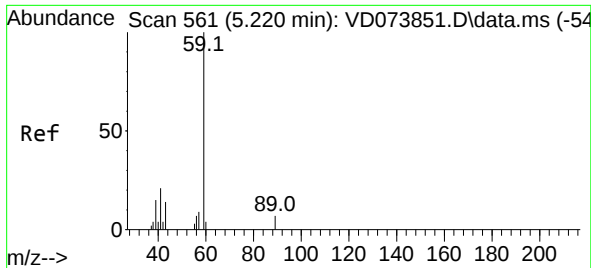
Tgt Ion: 50 Resp: 6257
Ion Ratio Lower Upper
50 100
52 32.1 27.4 41.0



#10
Methyl Iodide
Concen: 1.057 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.018 min
Lab File: VD073864.D
Acq: 19 Jul 2022 16:40

Tgt Ion: 142 Resp: 1712
Ion Ratio Lower Upper
142 100
127 25.8 37.3 55.9#
141 0.0 11.7 17.5#

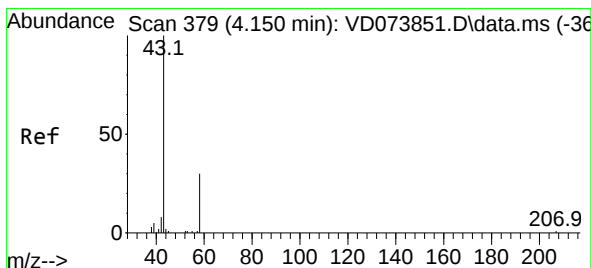
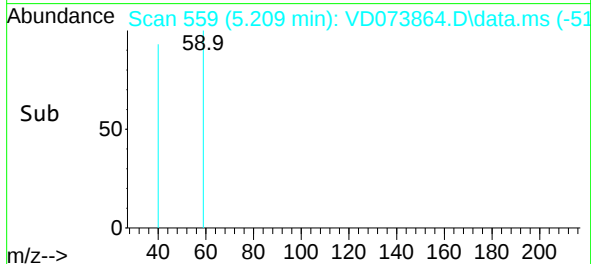
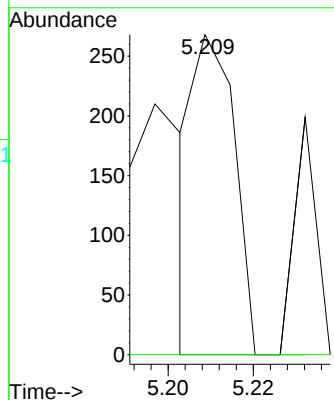
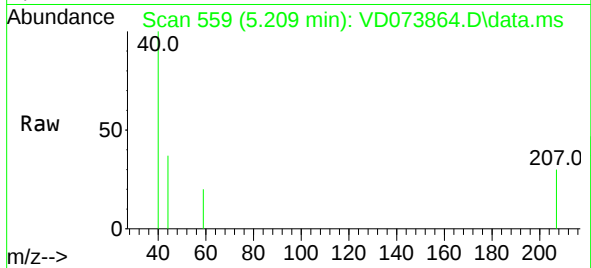




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 51
Delta R.T. -0.011 min
Lab File: VD073864.D
Acq: 19 Jul 2022 16:40

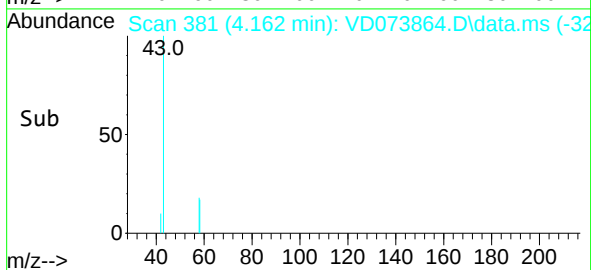
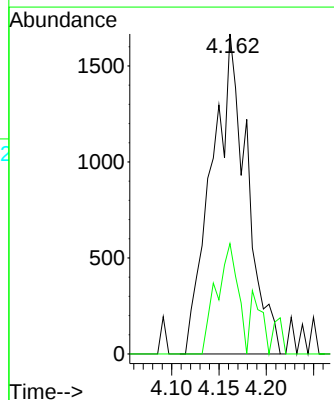
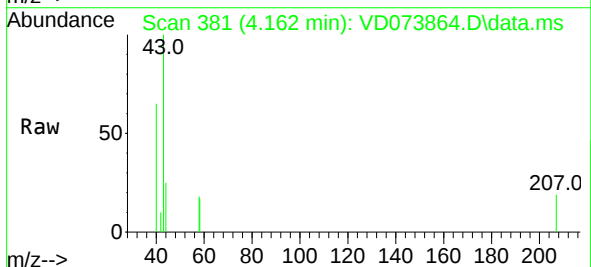
Instrument :
MSVOA_D
ClientSampleId :
CL-02-071522

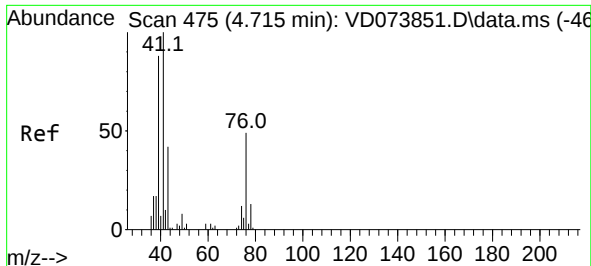
Tgt Ion: 59 Resp: 174
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 15.346 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.012 min
Lab File: VD073864.D
Acq: 19 Jul 2022 16:40

Tgt Ion: 43 Resp: 4325
Ion Ratio Lower Upper
43 100
58 34.5 22.1 33.1#

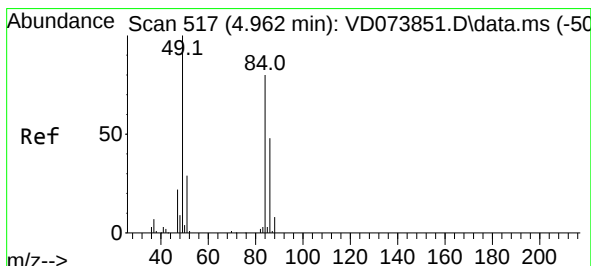
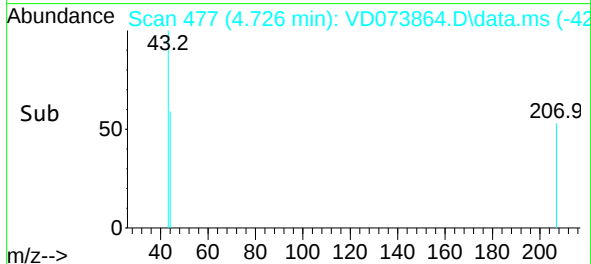
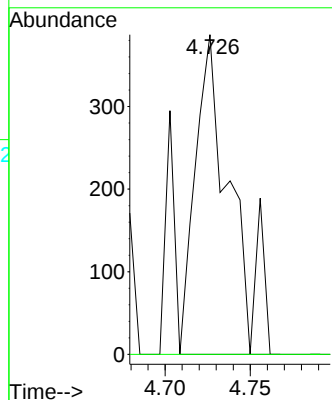
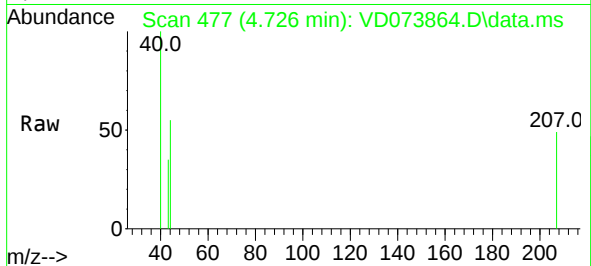




#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 41
Delta R.T. 0.011 min
Lab File: VD073864.D
Acq: 19 Jul 2022 16:40

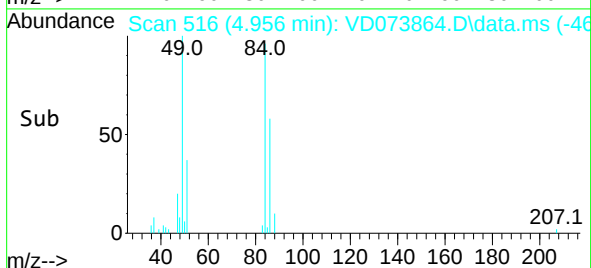
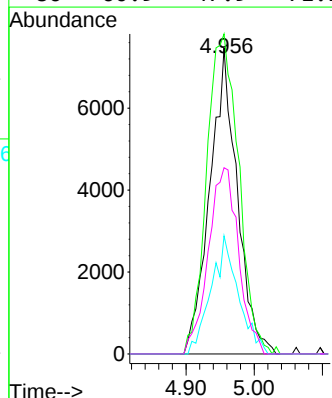
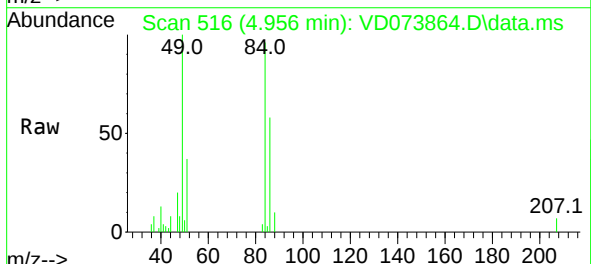
Instrument :
MSVOA_D
ClientSampleId :
CL-02-071522

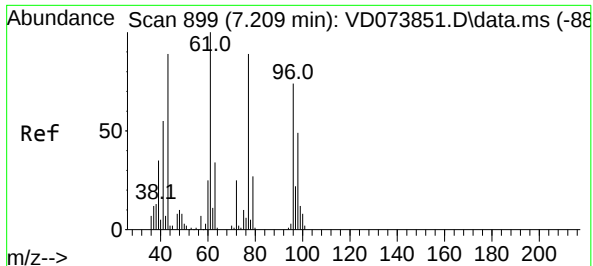
Tgt Ion: 43 Resp: 571
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD073864.D
Acq: 19 Jul 2022 16:40

Tgt Ion: 84 Resp: 20908
Ion Ratio Lower Upper
84 100
49 104.6 112.8 169.2#
51 38.6 32.6 48.8
86 60.9 47.9 71.9

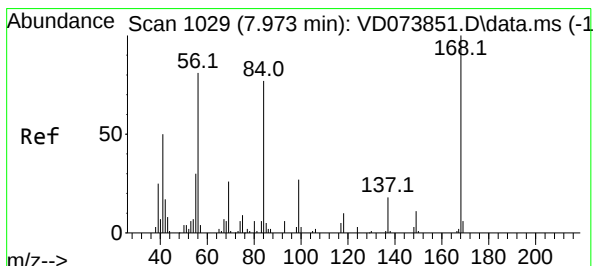
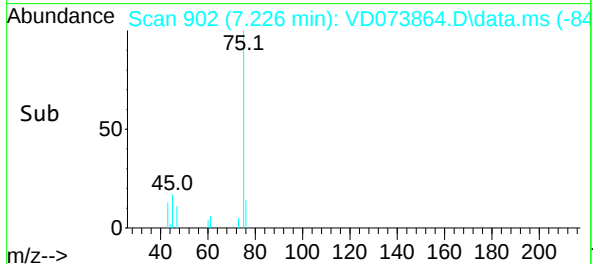
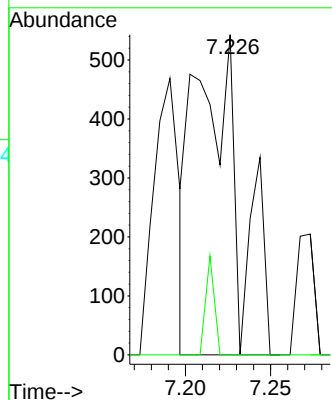
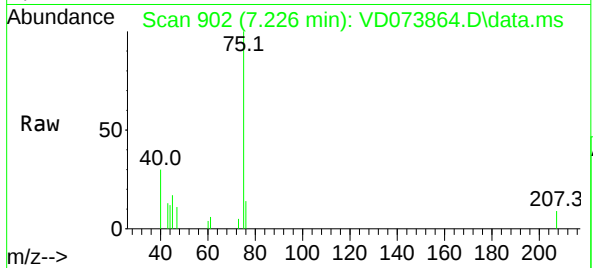




#25
2-Butanone
Concen: 2.467 ug/l
RT: 7.226 min Scan# 90
Delta R.T. 0.018 min
Lab File: VD073864.D
Acq: 19 Jul 2022 16:40

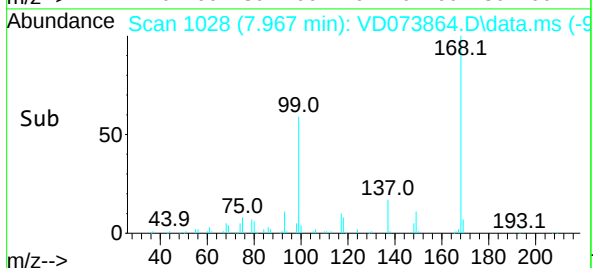
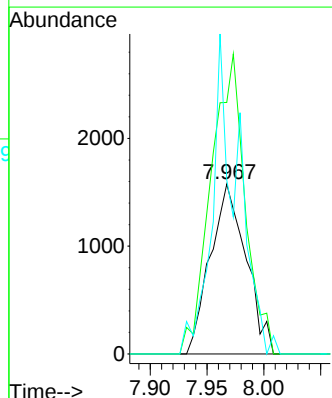
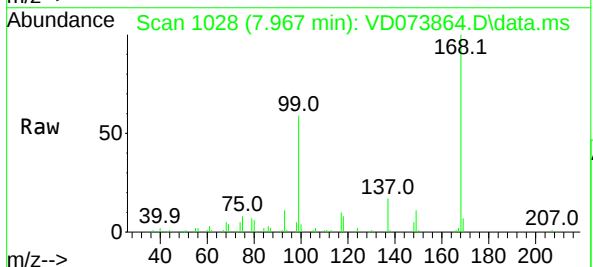
Instrument :
MSVOA_D
ClientSampleId :
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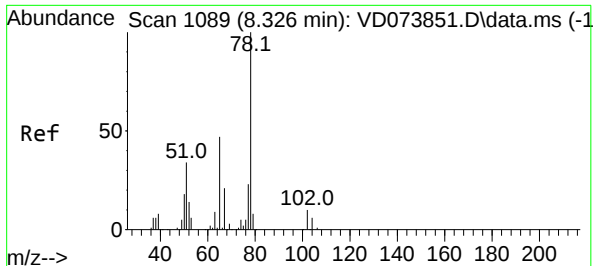
Tgt Ion: 43 Resp: 987
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.267 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD073864.D
Acq: 19 Jul 2022 16:40

Tgt Ion: 56 Resp: 3457
Ion Ratio Lower Upper
56 100
69 148.2 25.4 38.2#
84 102.5 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 50.325 ug/l

RT: 8.320 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD073864.D

Acq: 19 Jul 2022 16:40

Instrument :

MSVOA_D

ClientSampleId :

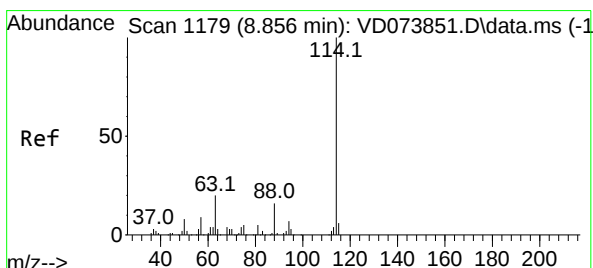
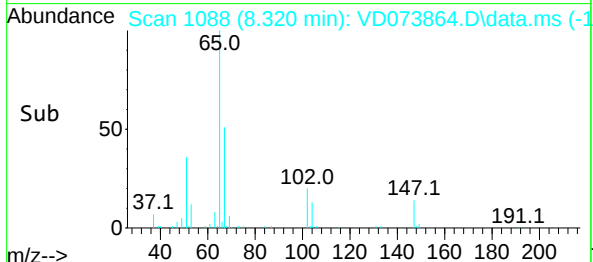
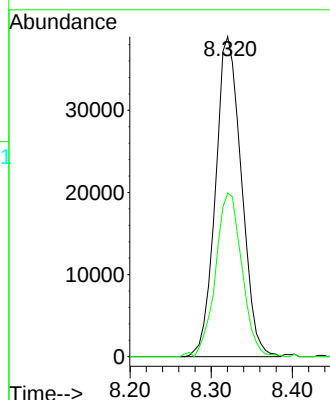
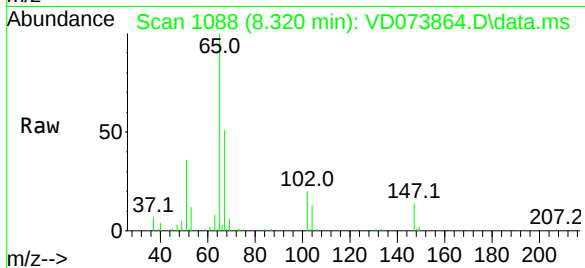
CL-02-071522

Tgt Ion: 65 Resp: 86437

Ion Ratio Lower Upper

65 100

67 52.1 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VD073864.D

Acq: 19 Jul 2022 16:40

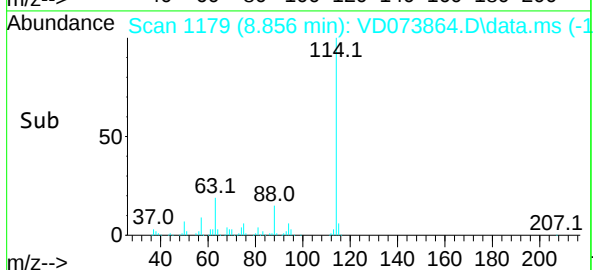
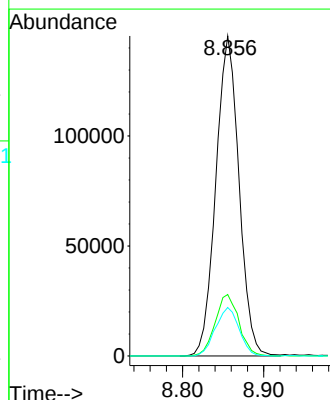
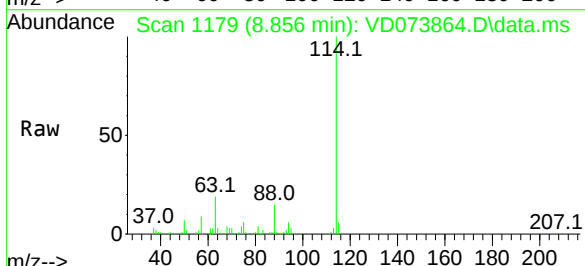
Tgt Ion: 114 Resp: 288174

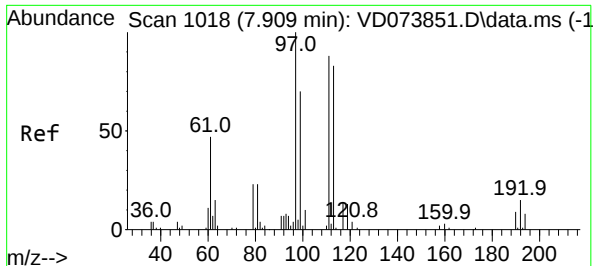
Ion Ratio Lower Upper

114 100

63 19.2 0.0 46.6

88 15.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.040 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.006 min

Lab File: VD073864.D

Acq: 19 Jul 2022 16:40

Instrument :

MSVOA_D

ClientSampleId :

CL-02-071522

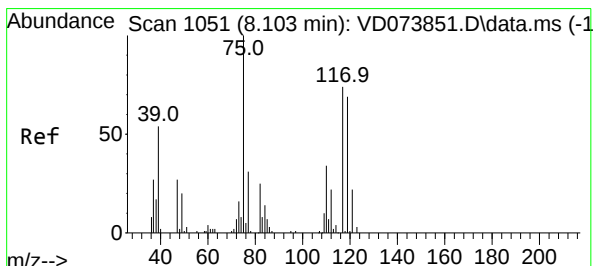
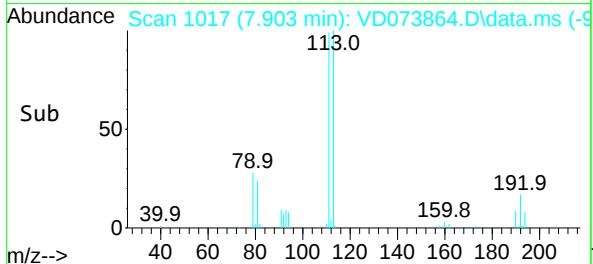
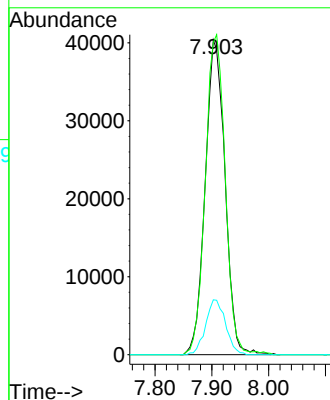
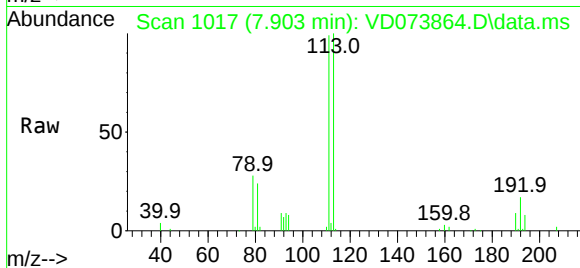
Tgt Ion:113 Resp: 97666

Ion Ratio Lower Upper

113 100

111 102.1 83.8 125.6

192 17.5 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.046 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.129 min

Lab File: VD073864.D

Acq: 19 Jul 2022 16:40

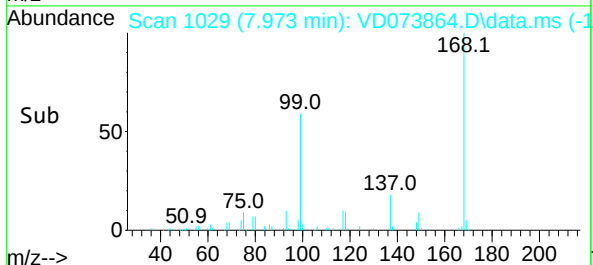
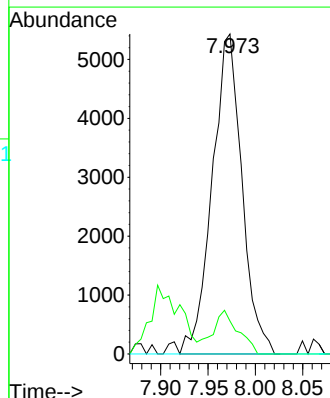
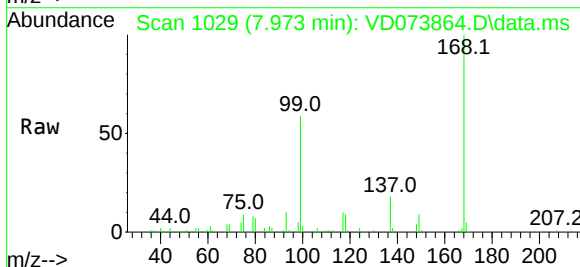
Tgt Ion: 75 Resp: 11866

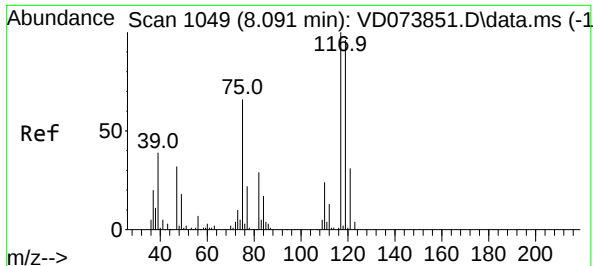
Ion Ratio Lower Upper

75 100

110 11.1 16.4 49.1#

77 0.0 24.2 36.2#

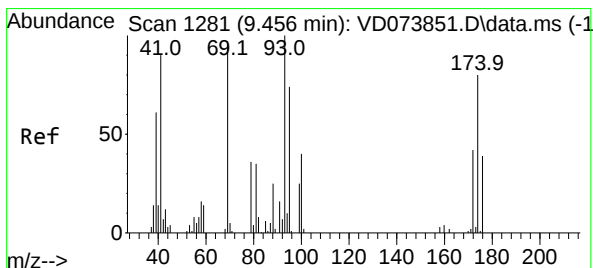
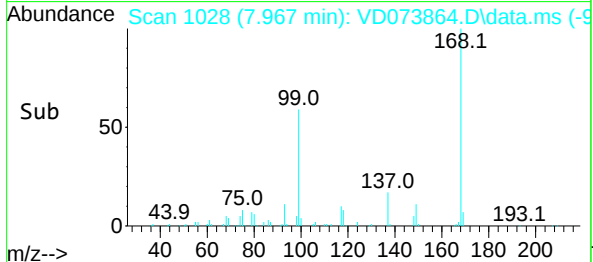
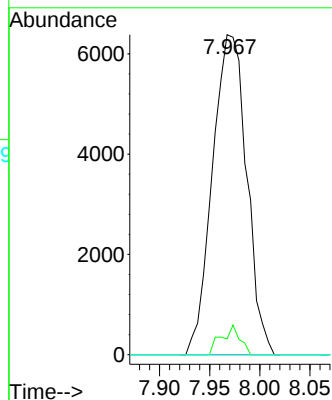
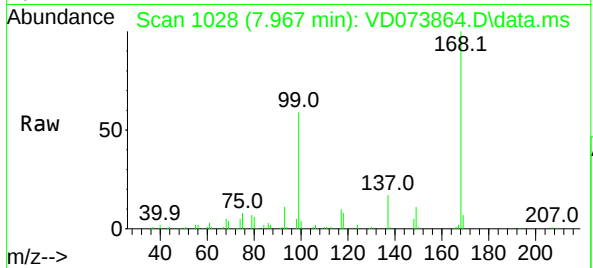




#38
Carbon Tetrachloride
Concen: 4.527 ug/l
RT: 7.967 min Scan# 117
Delta R.T. -0.124 min
Lab File: VD073864.D
Acq: 19 Jul 2022 16:40

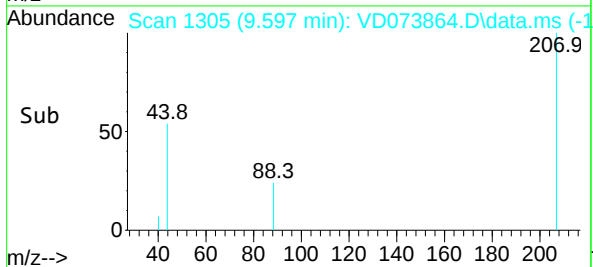
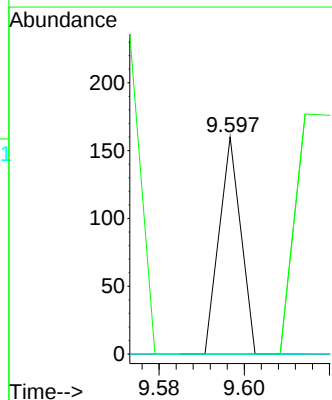
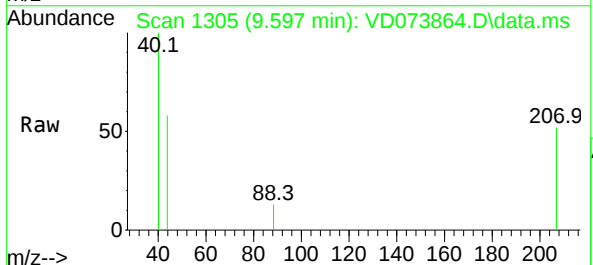
Instrument :
MSVOA_D
ClientSampleId :
CL-02-071522

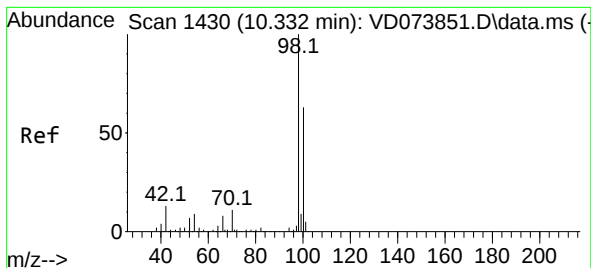
Tgt Ion:117 Resp: 15163
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.6#
121 0.0 24.5 36.7#



#49
1,4-Dioxane
Concen: 4.575 ug/l
RT: 9.597 min Scan# 1305
Delta R.T. 0.141 min
Lab File: VD073864.D
Acq: 19 Jul 2022 16:40

Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 223.2 31.0 46.4#
58 0.0 58.1 87.1#

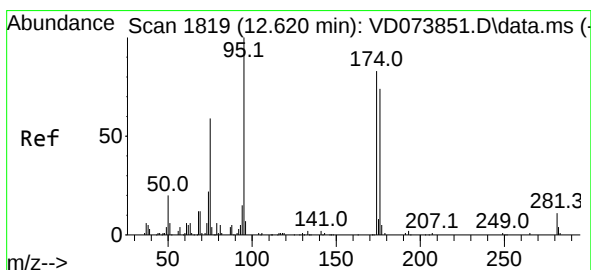
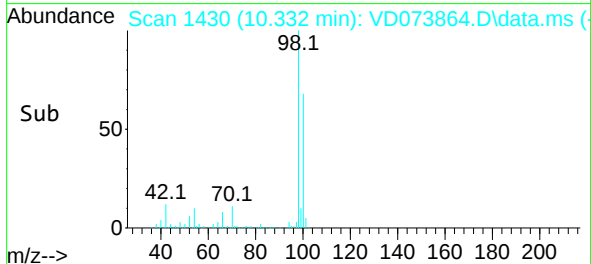
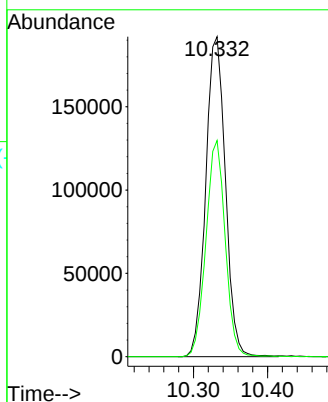
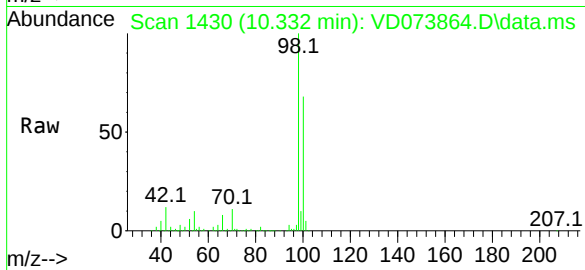




#50
Toluene-d8
Concen: 47.925 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073864.D
Acq: 19 Jul 2022 16:40

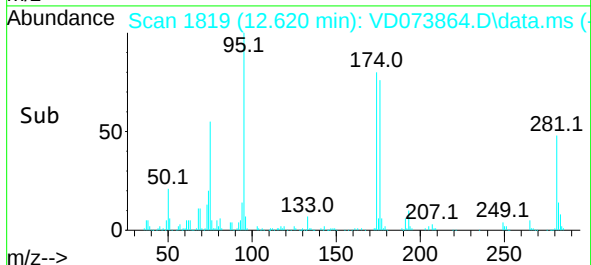
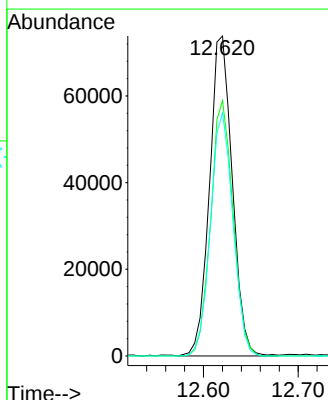
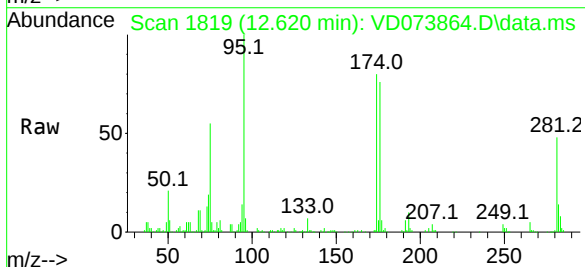
Instrument :
MSVOA_D
ClientSampleId :
CL-02-071522

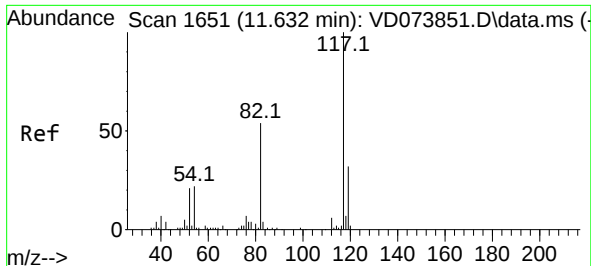
Tgt Ion: 98 Resp: 353700
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 48.610 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073864.D
Acq: 19 Jul 2022 16:40

Tgt Ion: 95 Resp: 123348
Ion Ratio Lower Upper
95 100
174 78.1 0.0 152.8
176 74.8 0.0 145.4

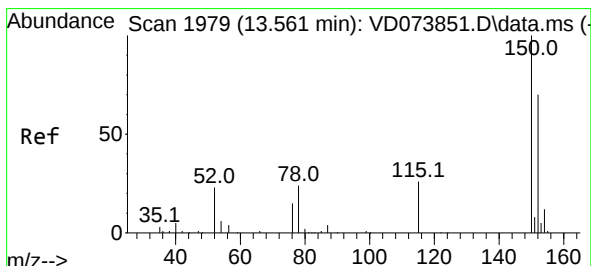
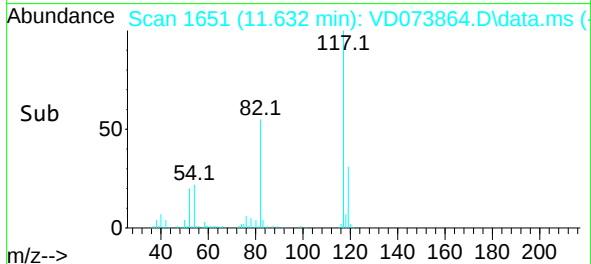
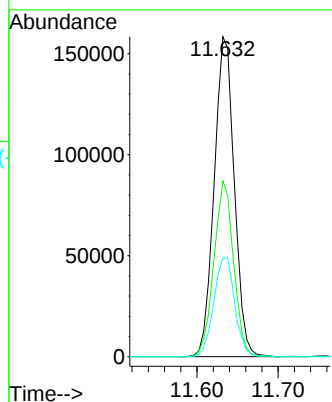
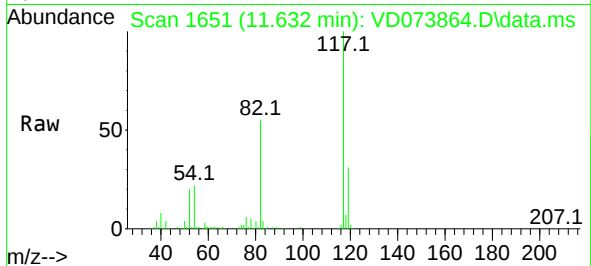




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD073864.D
Acq: 19 Jul 2022 16:40

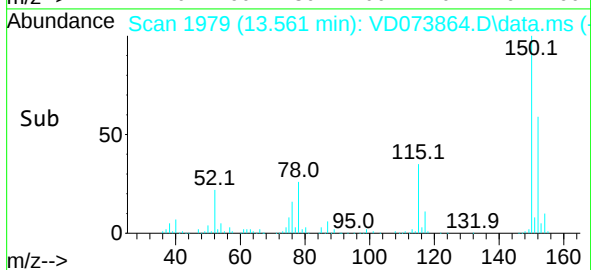
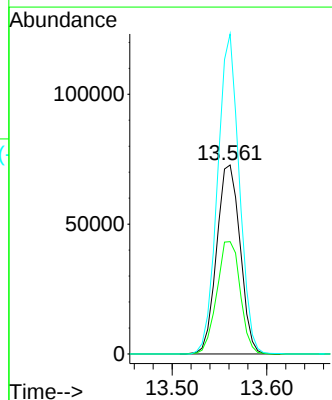
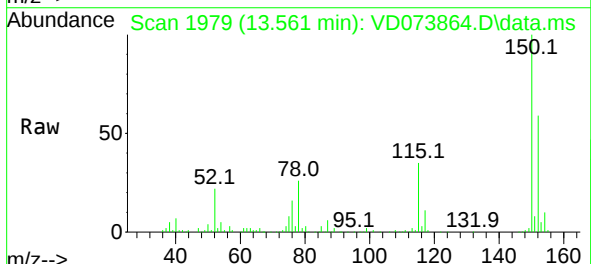
Instrument :
MSVOA_D
ClientSampleId :
CL-02-071522

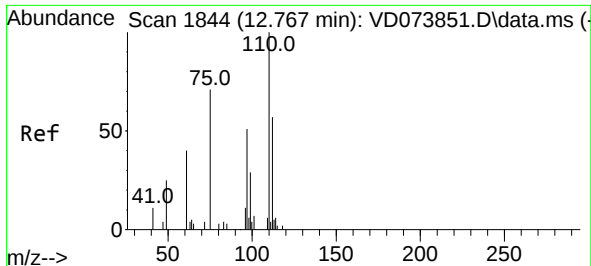
Tgt Ion:117 Resp: 272684
Ion Ratio Lower Upper
117 100
82 54.9 45.3 67.9
119 30.9 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD073864.D
Acq: 19 Jul 2022 16:40

Tgt Ion:152 Resp: 125098
Ion Ratio Lower Upper
152 100
115 59.5 31.3 93.8
150 157.0 0.0 348.6

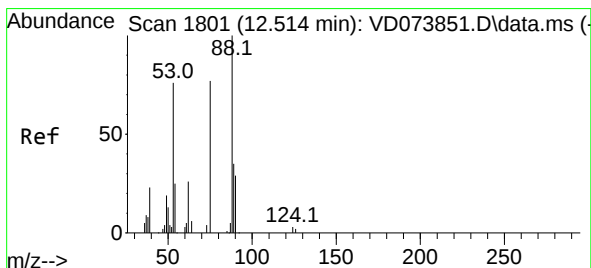
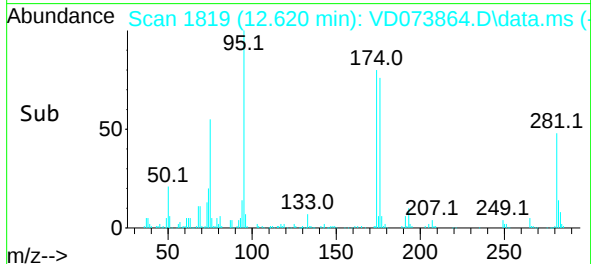
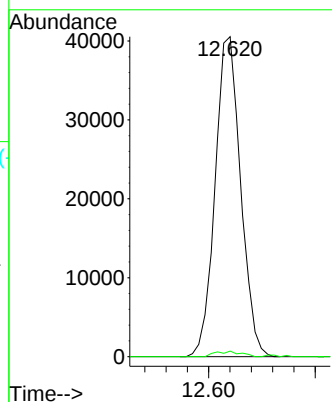
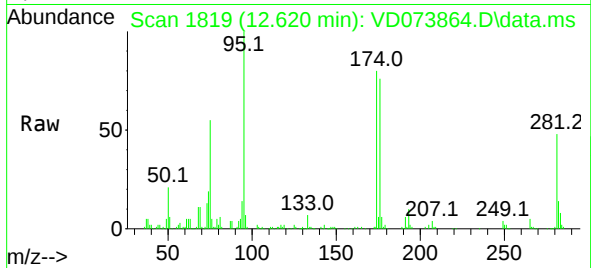




#76
1,2,3-Trichloropropane
Concen: 50.148 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073864.D
Acq: 19 Jul 2022 16:40

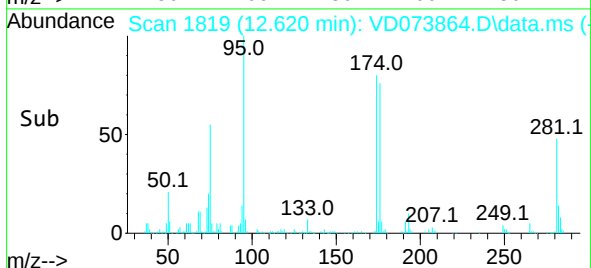
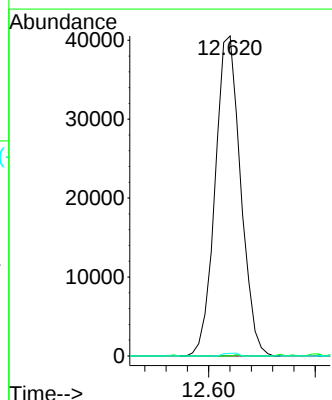
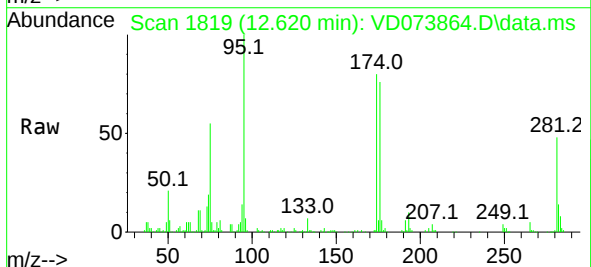
Instrument :
MSVOA_D
ClientSampleId :
CL-02-071522

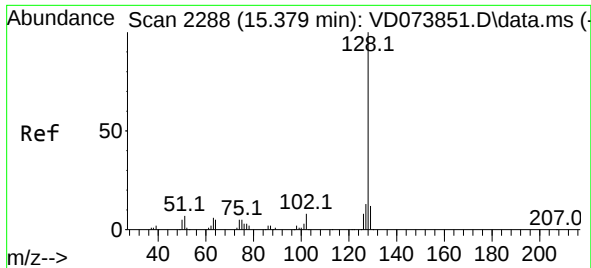
Tgt Ion: 75 Resp: 67311
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 135.321 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073864.D
Acq: 19 Jul 2022 16:40

Tgt Ion: 75 Resp: 67311
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.5 33.9 50.9#





#95

Naphthalene

Concen: 1.763 ug/l

RT: 15.379 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD073864.D

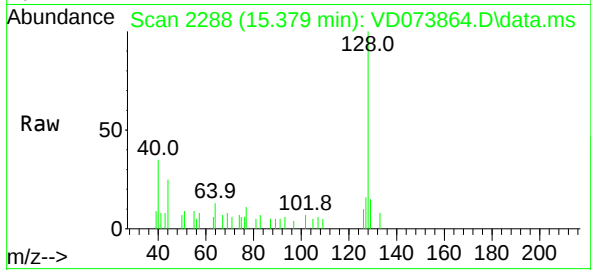
Acq: 19 Jul 2022 16:40

Instrument :

MSVOA_D

ClientSampleId :

CL-02-071522



Tgt Ion:128 Resp: 7372

Ion Ratio Lower Upper

128 100

127 16.5 10.3 15.5#

129 11.8 8.4 12.6

