

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060922\Not reviewed data\
 Data File : VD073510.D
 Acq On : 09 Jun 2022 15:22
 Operator : VA/SY
 Sample : N3170-01
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 10 17:17:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 12:33:32 2022
 Response via : Initial Calibration

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

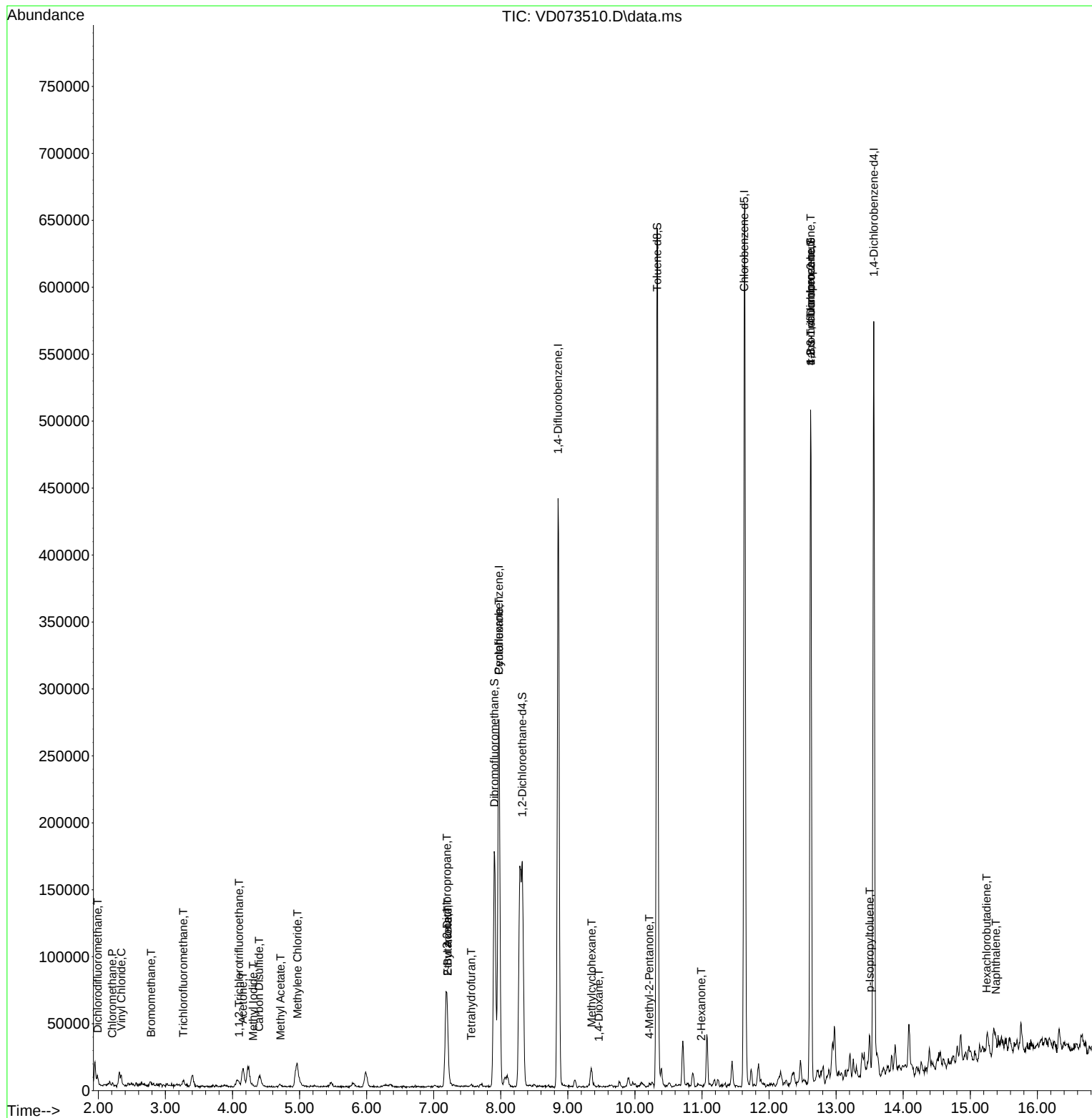
Internal Standards						
1) Pentafluorobenzene	7.973	168	199903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	376093	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	385884	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	150514	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	115669	53.919	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.840%	
35) Dibromofluoromethane	7.903	113	125723	51.985	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.980%	
50) Toluene-d8	10.332	98	452661	49.505	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.000%	
62) 4-Bromofluorobenzene	12.620	95	166799	50.249	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 100.500%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	2883	1.512	ug/l	97
3) Chloromethane	2.209	50	1989	1.017	ug/l #	84
4) Vinyl Chloride	2.344	62	1876	1.023	ug/l	93
5) Bromomethane	2.785	94	2137	1.626	ug/l	89
7) Trichlorofluoromethane	3.267	101	4833	1.345	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.097	101	2624	1.277	ug/l #	85
10) Methyl Iodide	4.309	142	2306	5.030	ug/l #	92
11) Tert butyl alcohol	5.167	59	210	Below Cal	#	74
16) Acetone	4.156	43	23933	63.361	ug/l #	80
17) Carbon Disulfide	4.397	76	17033	2.755	ug/l #	88
18) Methyl Acetate	4.714	43	256	1.603	ug/l #	55
20) Methylene Chloride	4.967	84	13466	2.592	ug/l #	77
25) 2-Butanone	7.208	43	11315	20.359	ug/l	95
26) 2,2-Dichloropropane	7.197	77	7017	1.949	ug/l #	63
29) Tetrahydrofuran	7.561	42	715	2.017	ug/l #	72
31) Cyclohexane	7.973	56	7767	2.149	ug/l #	38
37) Ethyl Acetate	7.208	43	11315	7.712	ug/l #	33
39) Methylcyclohexane	9.355	83	4376	1.034	ug/l #	82
49) 1,4-Dioxane	9.461	88	66	3.892	ug/l #	21
51) 4-Methyl-2-Pentanone	10.214	43	1524	1.067	ug/l	93
59) 2-Hexanone	10.991	43	1032	1.055	ug/l	84
76) 1,2,3-Trichloropropane	12.620	75	82147	56.181	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	82147	131.866	ug/l #	7
86) p-Isopropyltoluene	13.502	119	12083	1.272	ug/l	89
94) Hexachlorobutadiene	15.243	225	1668	1.132	ug/l	76
95) Naphthalene	15.384	128	11809	6.193	ug/l	95

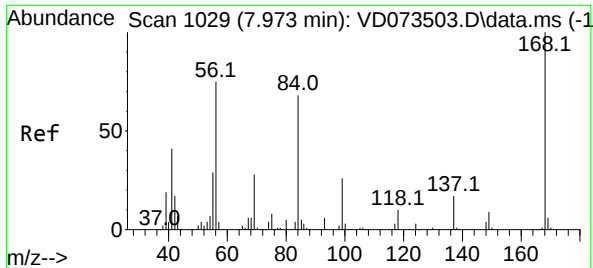
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060922\Not reviewed data\
Data File : VD073510.D
Acq On : 09 Jun 2022 15:22
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Sample : N3170-01
Misc : 5.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 10 17:17:26 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 09 12:33:32 2022
Response via : Initial Calibration

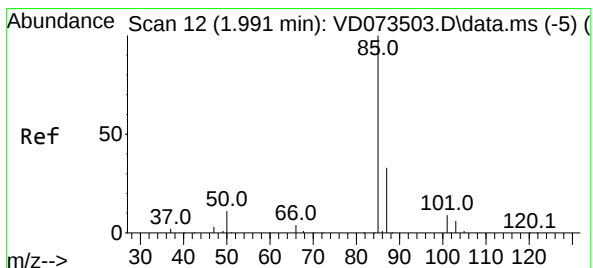
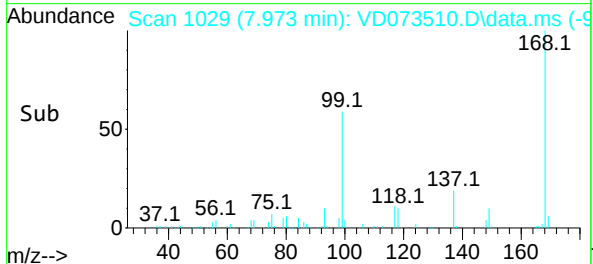
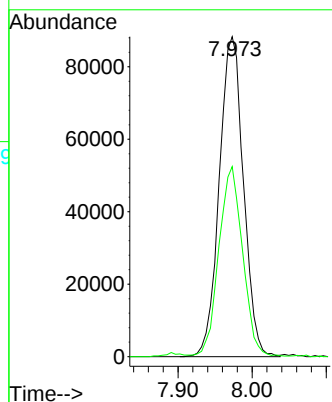
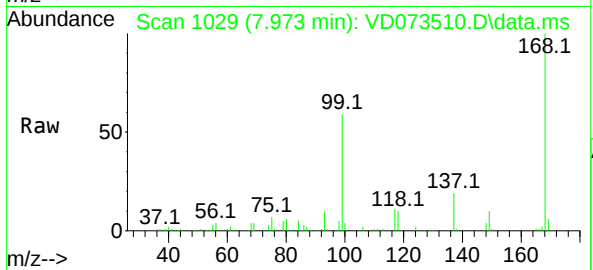




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073510.D
Acq: 09 Jun 2022 15:22

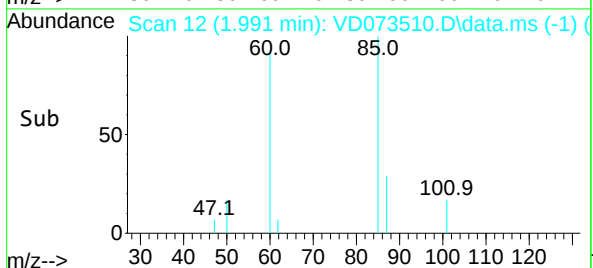
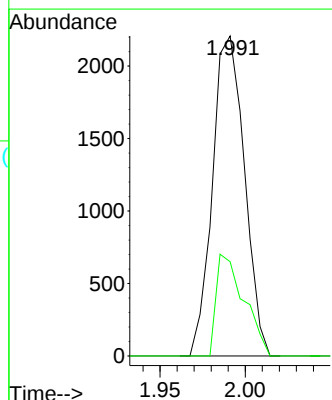
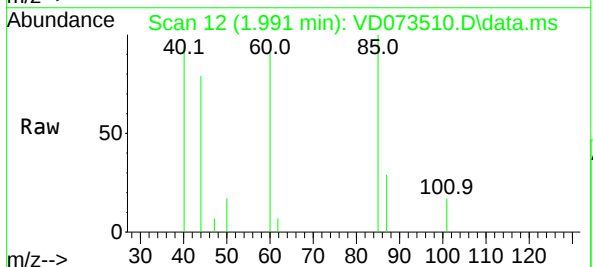
Instrument :
MSVOA_D
ClientSampleId :

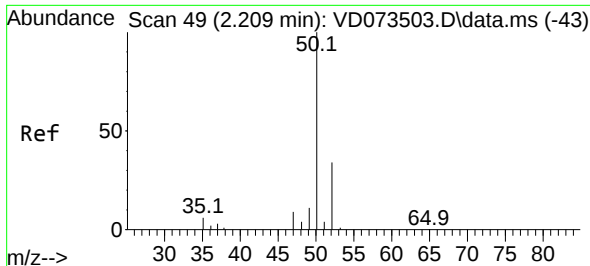
Tgt Ion:168 Resp: 199903
Ion Ratio Lower Upper
168 100
99 59.1 49.8 74.6



#2
Dichlorodifluoromethane
Concen: 1.512 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073510.D
Acq: 09 Jun 2022 15:22

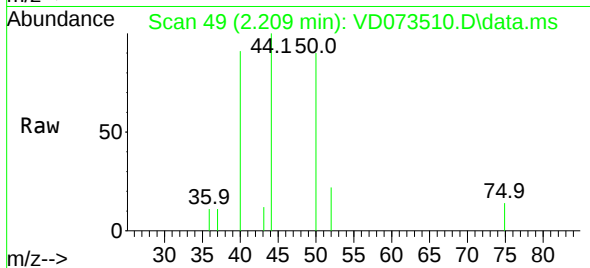
Tgt Ion: 85 Resp: 2883
Ion Ratio Lower Upper
85 100
87 29.4 15.7 47.0



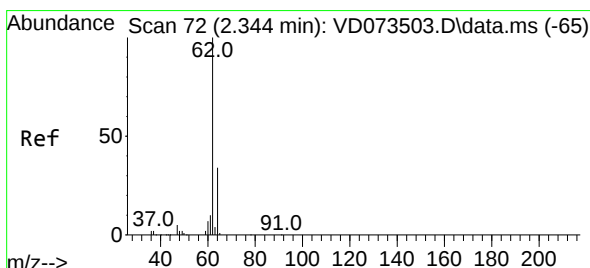
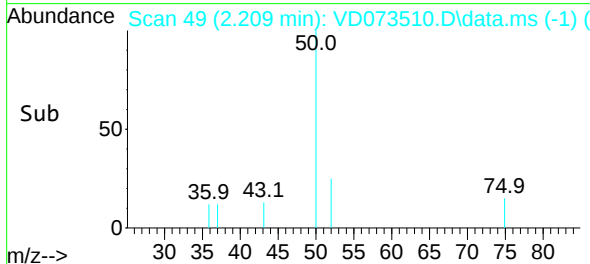
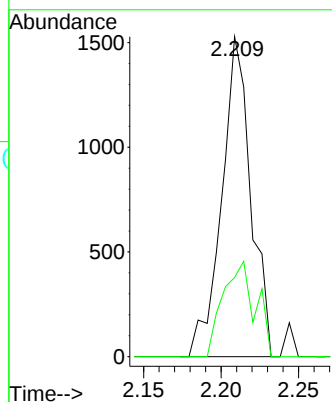


#3
Chloromethane
Concen: 1.017 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD073510.D
Acq: 09 Jun 2022 15:22

Instrument :
MSVOA_D
ClientSampleId :

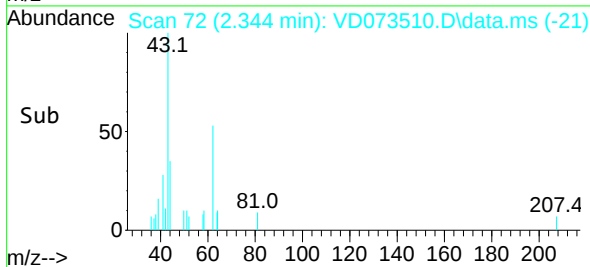
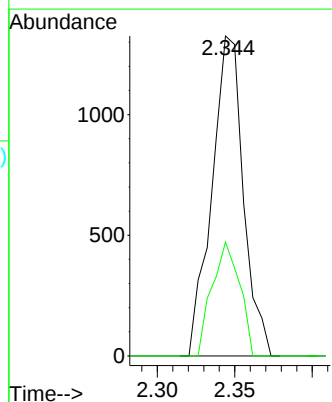
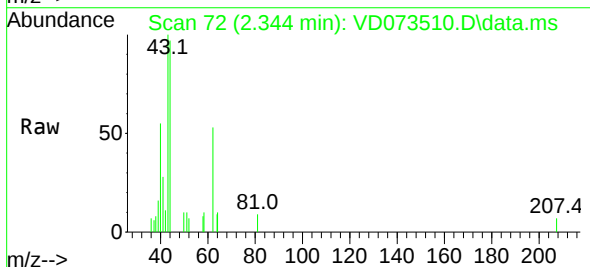


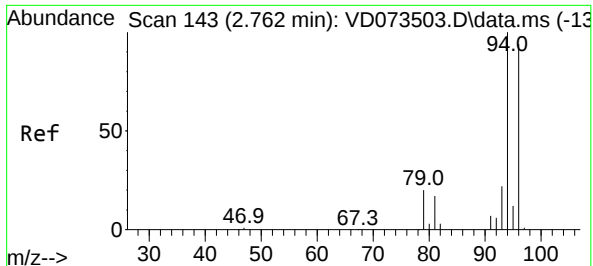
Tgt Ion: 50 Resp: 1989
Ion Ratio Lower Upper
50 100
52 24.7 27.4 41.0#



#4
Vinyl Chloride
Concen: 1.023 ug/l
RT: 2.344 min Scan# 72
Delta R.T. -0.000 min
Lab File: VD073510.D
Acq: 09 Jun 2022 15:22

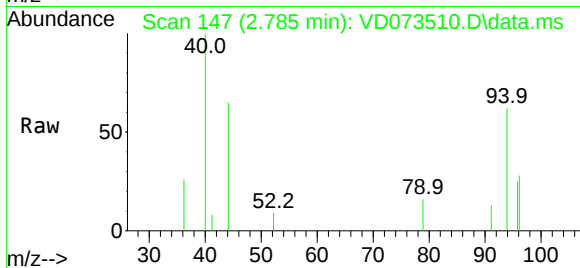
Tgt Ion: 62 Resp: 1876
Ion Ratio Lower Upper
62 100
64 35.6 25.4 38.0



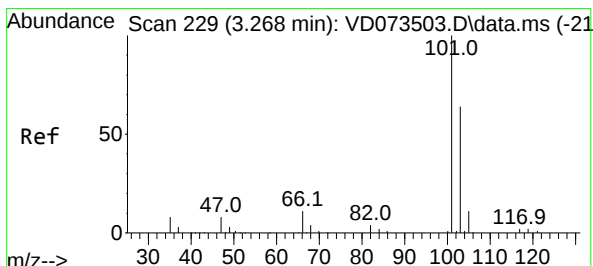
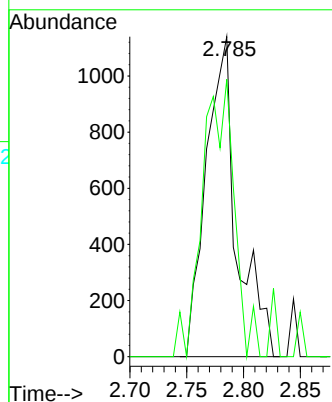
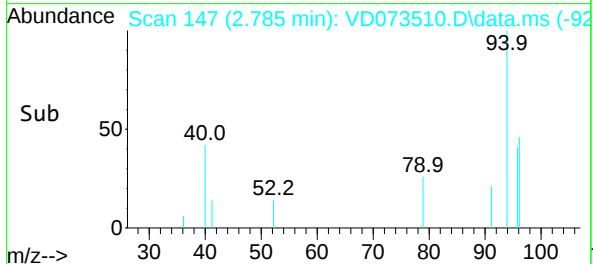


#5
Bromomethane
Concen: 1.626 ug/l
RT: 2.785 min Scan# 143
Delta R.T. 0.023 min
Lab File: VD073510.D
Acq: 09 Jun 2022 15:22

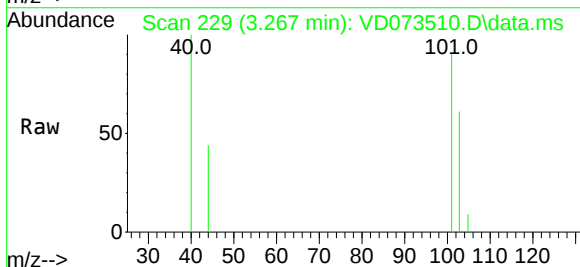
Instrument :
MSVOA_D
ClientSampleId :



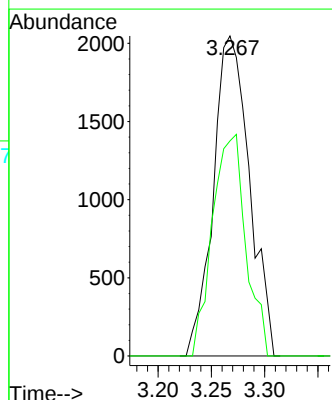
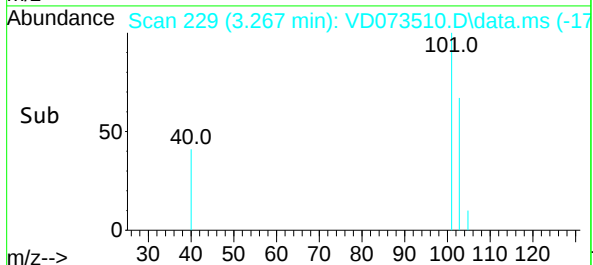
Tgt Ion: 94 Resp: 2137
Ion Ratio Lower Upper
94 100
96 86.7 77.6 116.4

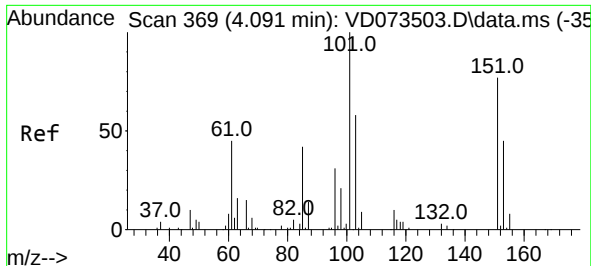


#7
Trichlorofluoromethane
Concen: 1.345 ug/l
RT: 3.267 min Scan# 229
Delta R.T. -0.001 min
Lab File: VD073510.D
Acq: 09 Jun 2022 15:22



Tgt Ion: 101 Resp: 4833
Ion Ratio Lower Upper
101 100
103 67.2 50.1 75.1

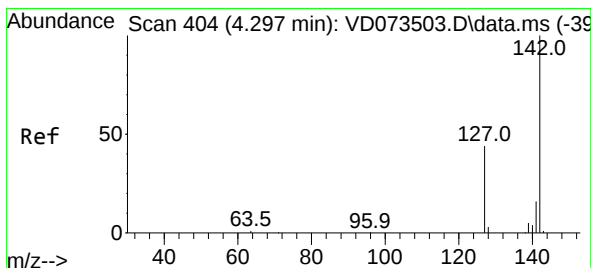
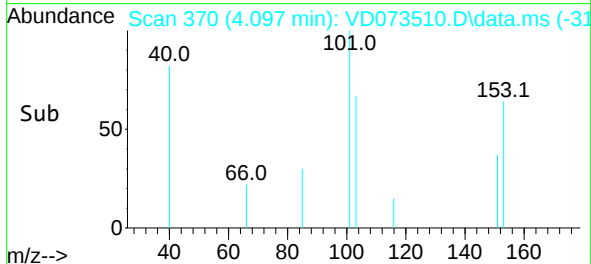
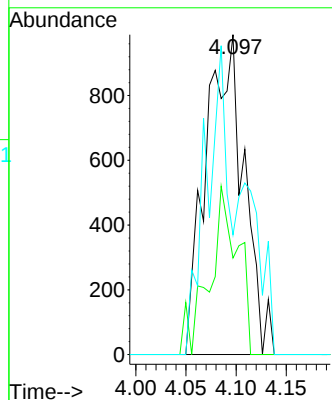
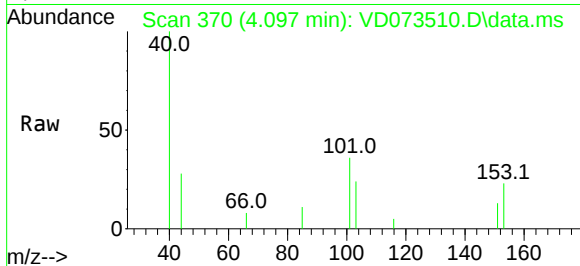




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.277 ug/l
 RT: 4.097 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: VD073510.D
 Acq: 09 Jun 2022 15:22

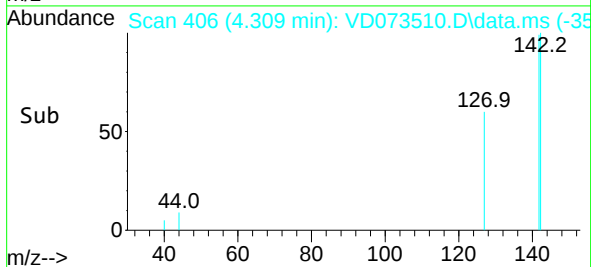
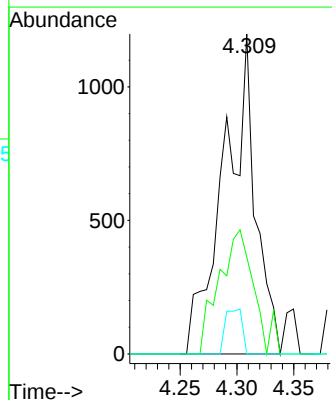
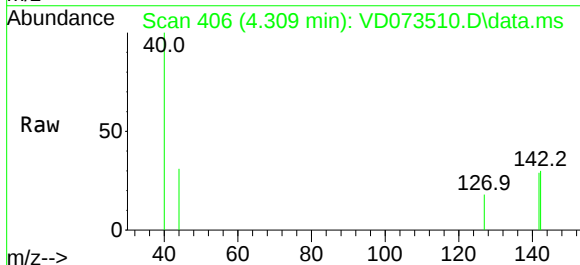
Instrument :
 MSVOA_D
 ClientSampleId :

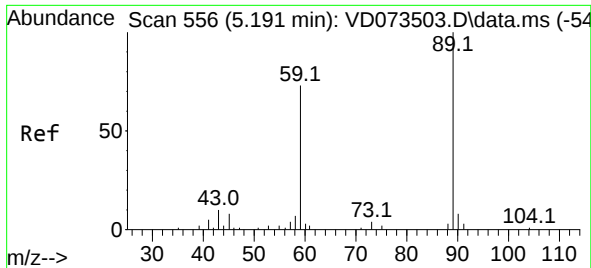
Tgt Ion:101 Resp: 2624
 Ion Ratio Lower Upper
 101 100
 85 39.3 36.4 54.6
 151 55.6 57.3 85.9#



#10
 Methyl Iodide
 Concen: 5.030 ug/l
 RT: 4.309 min Scan# 406
 Delta R.T. 0.012 min
 Lab File: VD073510.D
 Acq: 09 Jun 2022 15:22

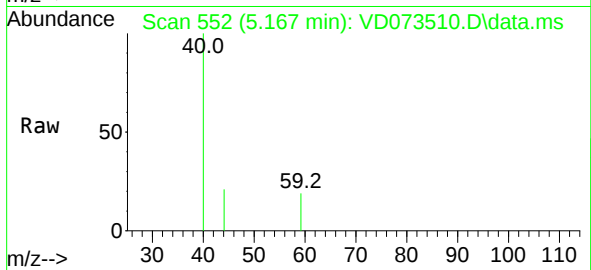
Tgt Ion:142 Resp: 2306
 Ion Ratio Lower Upper
 142 100
 127 43.3 37.3 55.9
 141 7.5 11.7 17.5#



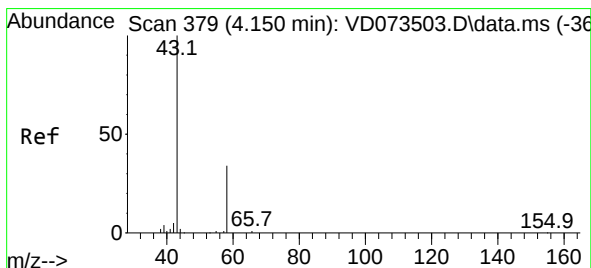
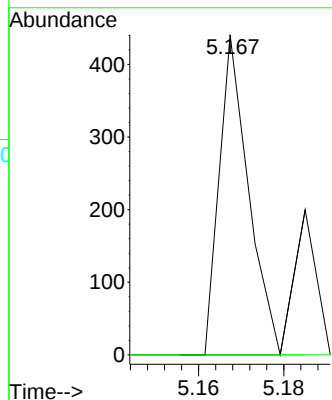


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.167 min Scan# 51
Delta R.T. -0.024 min
Lab File: VD073510.D
Acq: 09 Jun 2022 15:22

Instrument :
MSVOA_D
ClientSampleId :

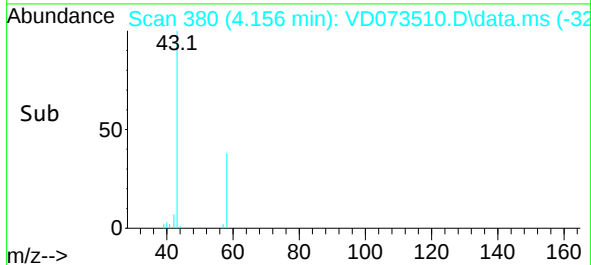
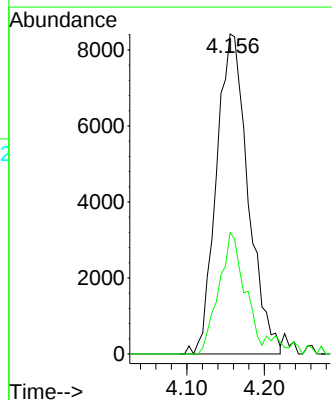
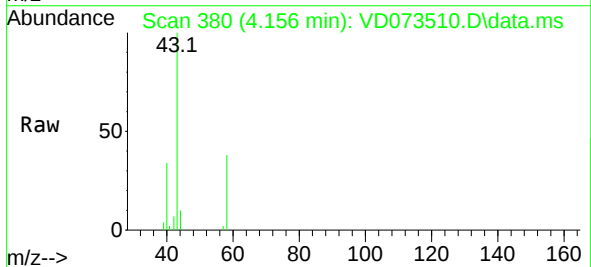


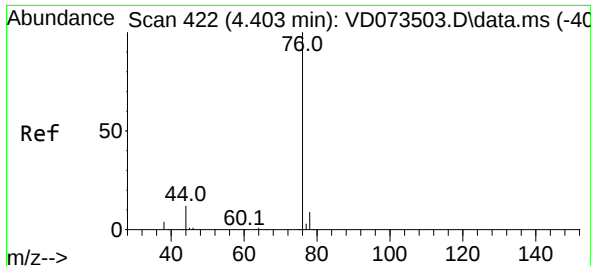
Tgt Ion: 59 Resp: 210
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 63.361 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD073510.D
Acq: 09 Jun 2022 15:22

Tgt Ion: 43 Resp: 23933
Ion Ratio Lower Upper
43 100
58 37.9 22.1 33.1#

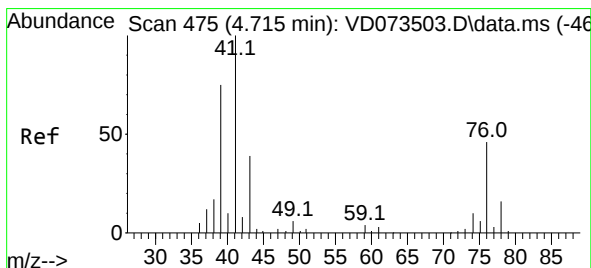
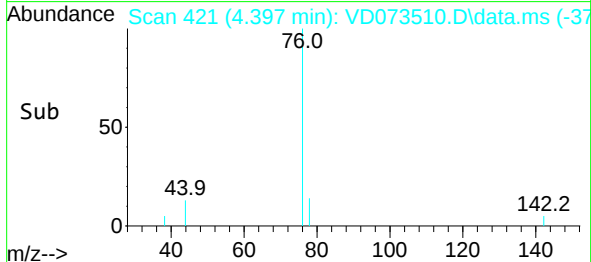
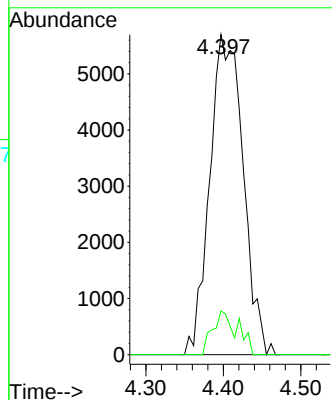
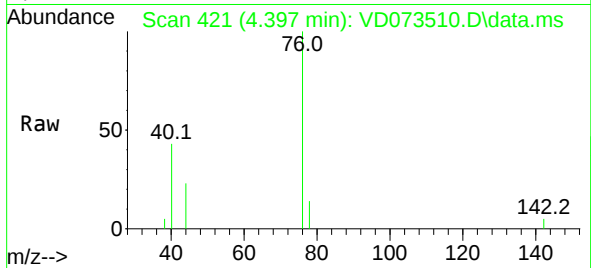




#17
Carbon Disulfide
Concen: 2.755 ug/l
RT: 4.397 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD073510.D
Acq: 09 Jun 2022 15:22

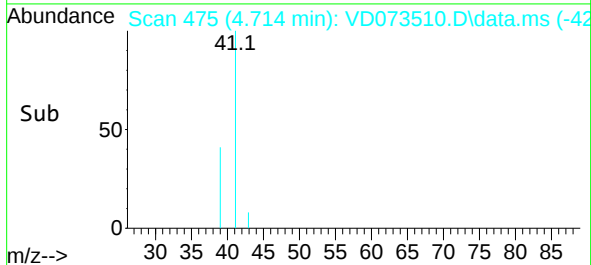
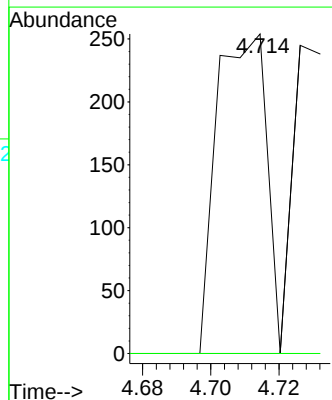
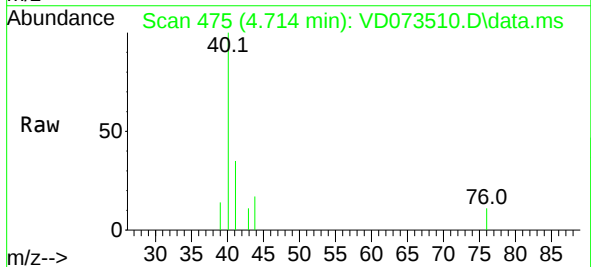
Instrument :
MSVOA_D
ClientSampleId :

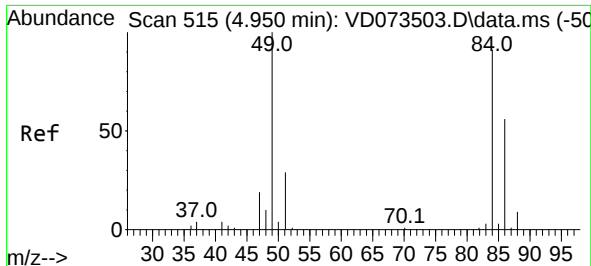
Tgt Ion: 76 Resp: 17033
Ion Ratio Lower Upper
76 100
78 13.7 7.5 11.3#



#18
Methyl Acetate
Concen: 1.603 ug/l
RT: 4.714 min Scan# 475
Delta R.T. -0.001 min
Lab File: VD073510.D
Acq: 09 Jun 2022 15:22

Tgt Ion: 43 Resp: 256
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#





#20

Methylene Chloride

Concen: 2.592 ug/l

RT: 4.967 min Scan# 515

Delta R.T. 0.017 min

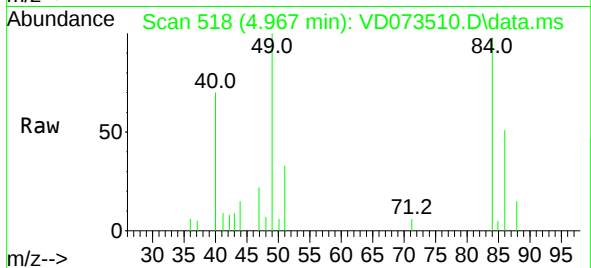
Lab File: VD073510.D

Acq: 09 Jun 2022 15:22

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 84 Resp: 13466

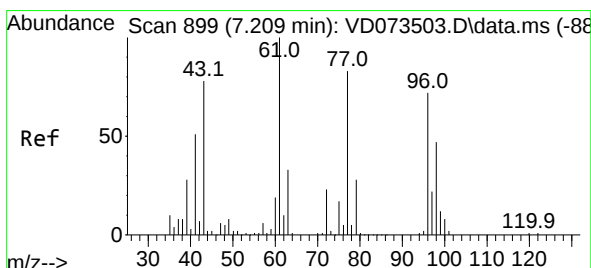
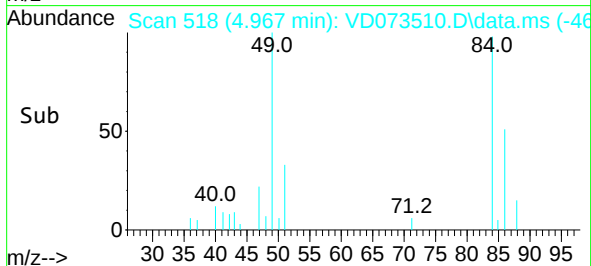
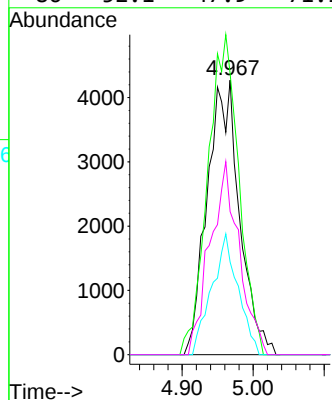
Ion Ratio Lower Upper

84 100

49 102.4 112.8 169.2#

51 33.7 32.6 48.8

86 52.1 47.9 71.9



#25

2-Butanone

Concen: 20.359 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.001 min

Lab File: VD073510.D

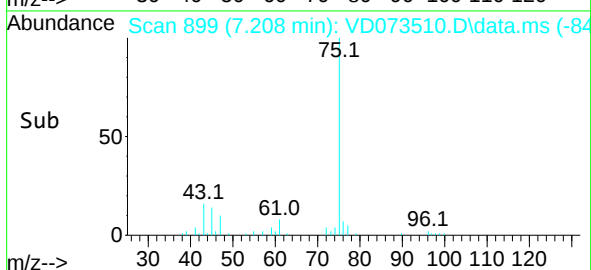
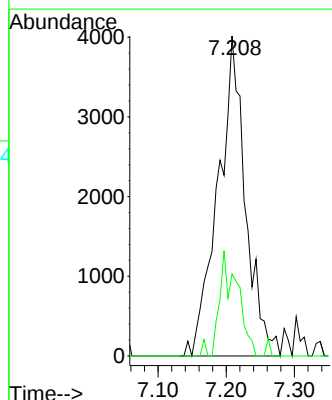
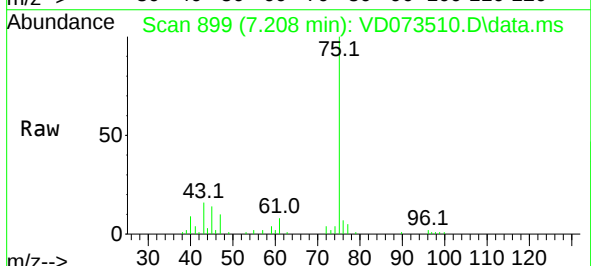
Acq: 09 Jun 2022 15:22

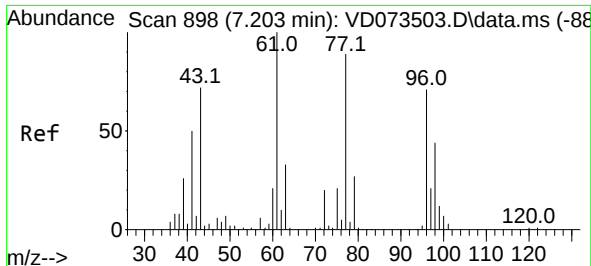
Tgt Ion: 43 Resp: 11315

Ion Ratio Lower Upper

43 100

72 25.7 18.6 27.8

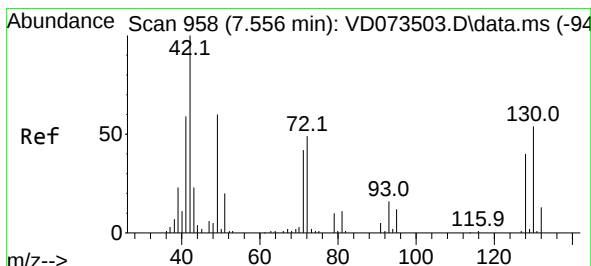
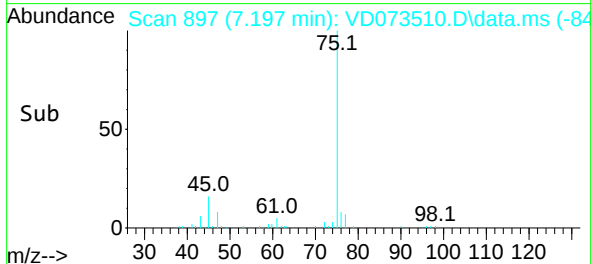
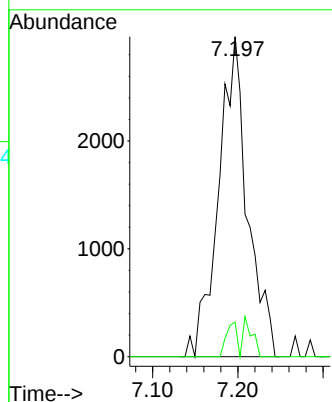
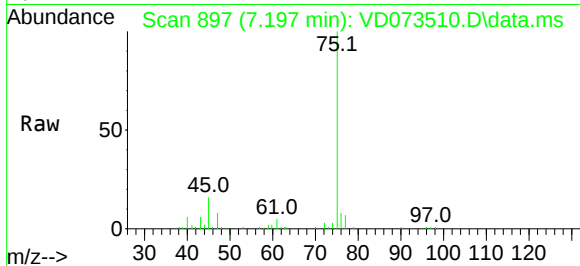




#26
2,2-Dichloropropane
Concen: 1.949 ug/l
RT: 7.197 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD073510.D
Acq: 09 Jun 2022 15:22

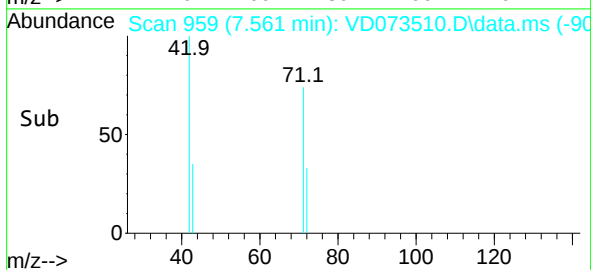
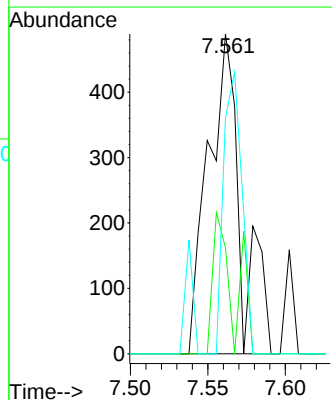
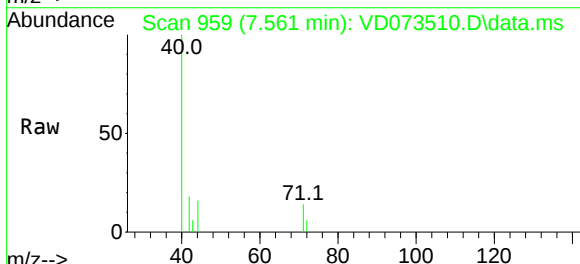
Instrument :
MSVOA_D
ClientSampleId :

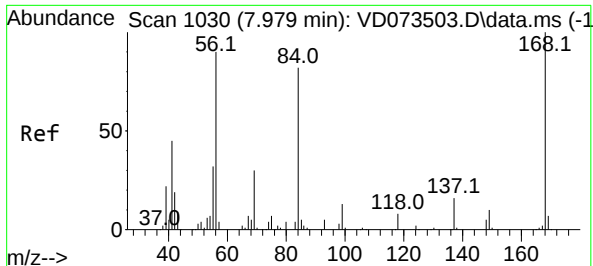
Tgt Ion: 77 Resp: 7017
Ion Ratio Lower Upper
77 100
97 3.9 10.8 32.4#



#29
Tetrahydrofuran
Concen: 2.017 ug/l
RT: 7.561 min Scan# 959
Delta R.T. 0.005 min
Lab File: VD073510.D
Acq: 09 Jun 2022 15:22

Tgt Ion: 42 Resp: 715
Ion Ratio Lower Upper
42 100
72 18.6 30.7 46.1#
71 49.8 28.6 43.0#





#31

Cyclohexane

Concen: 2.149 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

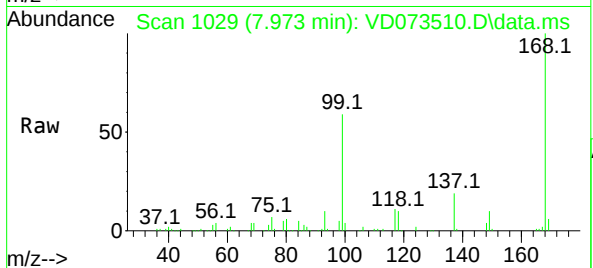
Lab File: VD073510.D

Acq: 09 Jun 2022 15:22

Instrument :

MSVOA_D

ClientSampleId :



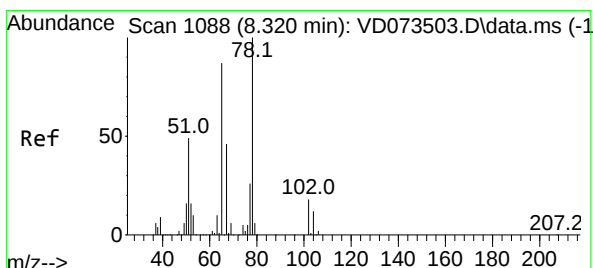
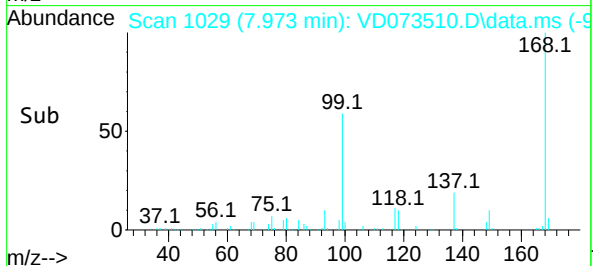
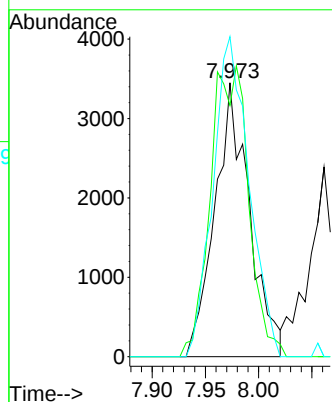
Tgt Ion: 56 Resp: 7767

Ion Ratio Lower Upper

56 100

69 91.7 25.4 38.2#

84 116.8 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 53.919 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD073510.D

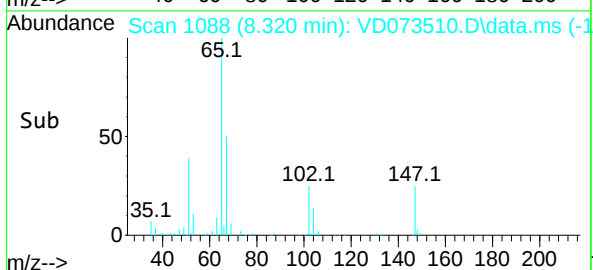
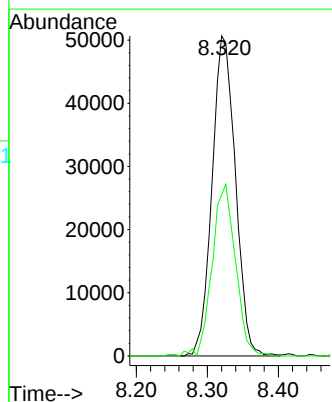
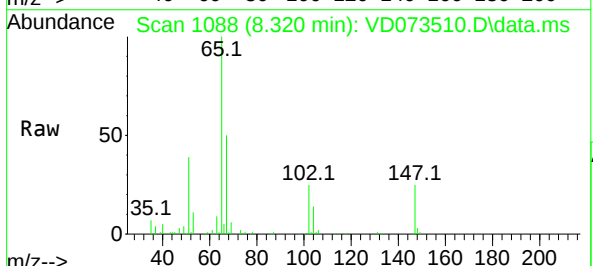
Acq: 09 Jun 2022 15:22

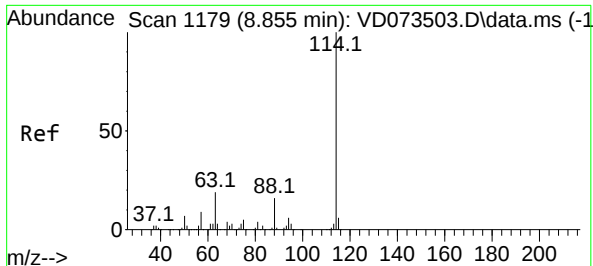
Tgt Ion: 65 Resp: 115669

Ion Ratio Lower Upper

65 100

67 53.6 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073510.D

Acq: 09 Jun 2022 15:22

Instrument :

MSVOA_D

ClientSampleId :

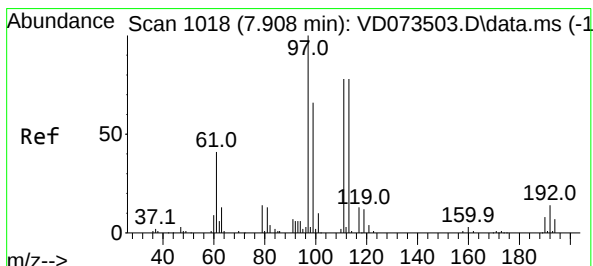
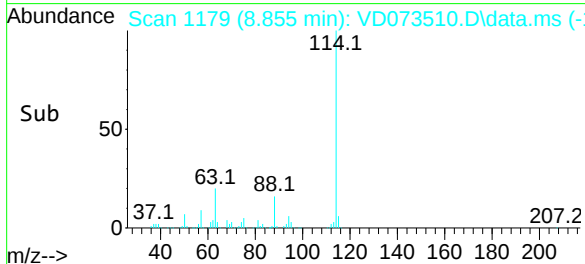
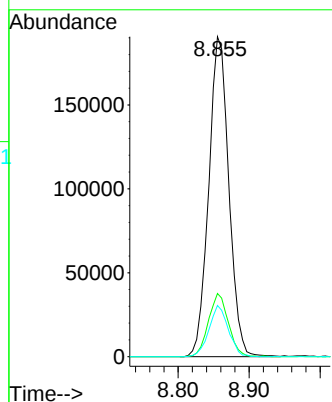
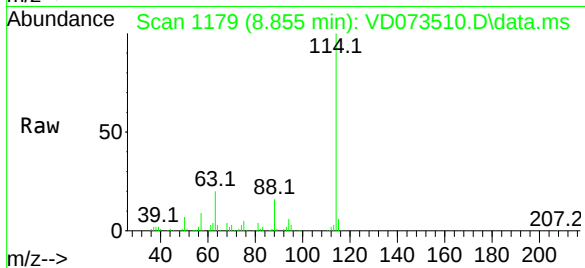
Tgt Ion:114 Resp: 376093

Ion Ratio Lower Upper

114 100

63 19.8 0.0 46.6

88 16.0 0.0 33.2



#35

Dibromofluoromethane

Concen: 51.985 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.005 min

Lab File: VD073510.D

Acq: 09 Jun 2022 15:22

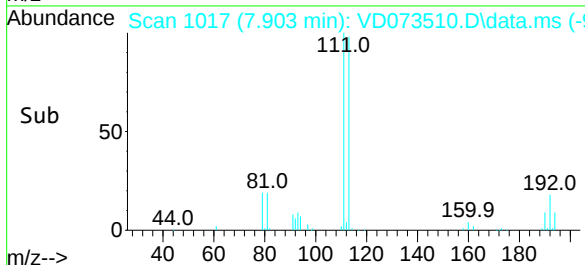
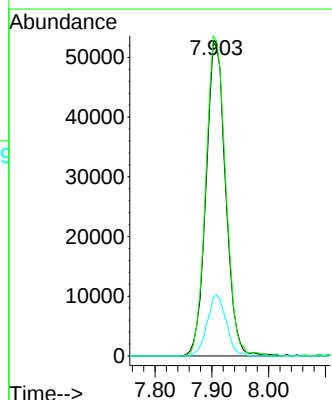
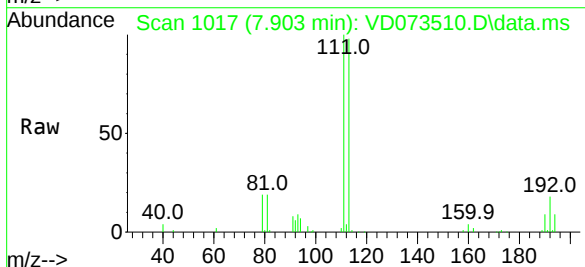
Tgt Ion:113 Resp: 125723

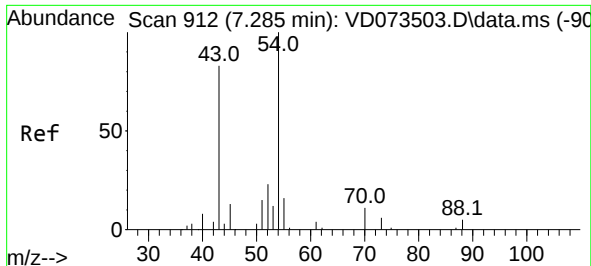
Ion Ratio Lower Upper

113 100

111 103.6 83.8 125.6

192 18.9 14.6 21.8





#37

Ethyl Acetate

Concen: 7.712 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.077 min

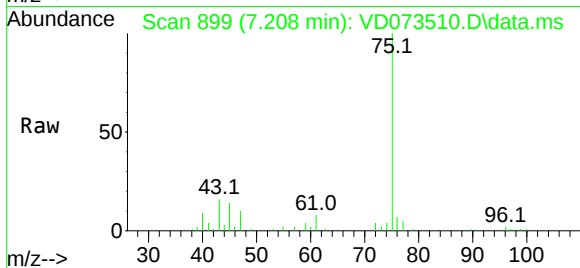
Lab File: VD073510.D

Acq: 09 Jun 2022 15:22

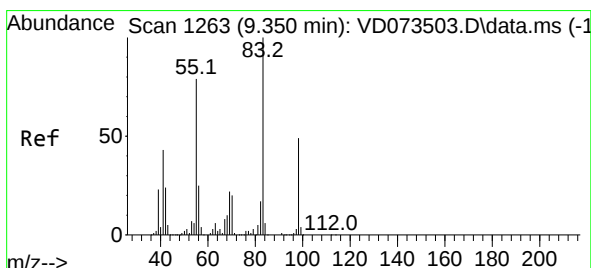
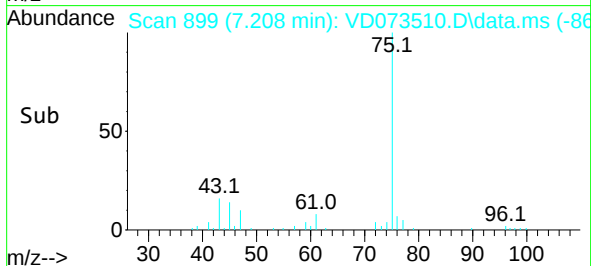
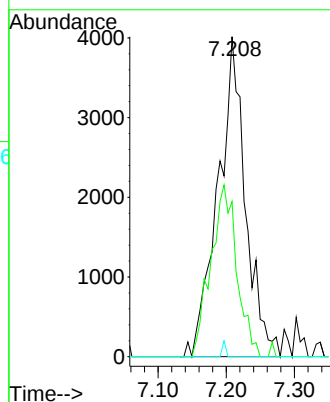
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43	Resp: 11315
Ion Ratio	Lower Upper
43	100
61	50.7 9.8 14.8#
70	0.6 6.9 10.3#



#39

Methylcyclohexane

Concen: 1.034 ug/l

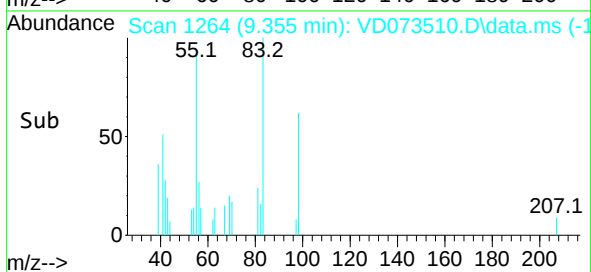
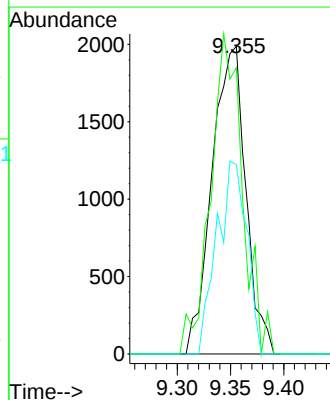
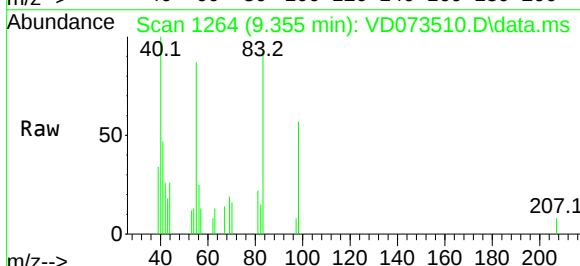
RT: 9.355 min Scan# 1264

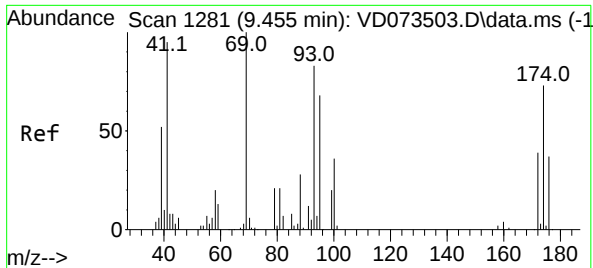
Delta R.T. 0.005 min

Lab File: VD073510.D

Acq: 09 Jun 2022 15:22

Tgt Ion: 83	Resp: 4376
Ion Ratio	Lower Upper
83	100
55	93.1 63.2 94.8
98	61.6 38.2 57.4#





#49

1,4-Dioxane

Concen: 3.892 ug/l

RT: 9.461 min Scan# 1

Delta R.T. 0.006 min

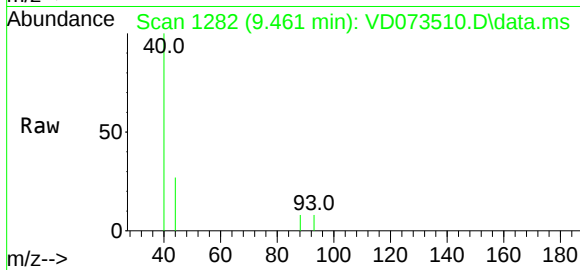
Lab File: VD073510.D

Acq: 09 Jun 2022 15:22

Instrument :

MSVOA_D

ClientSampleId :



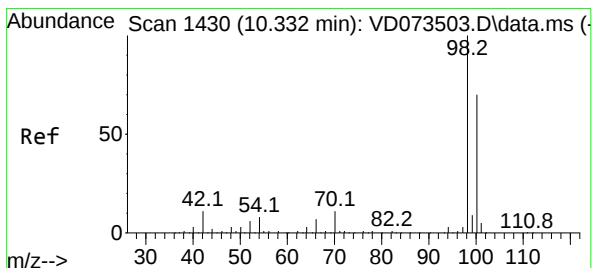
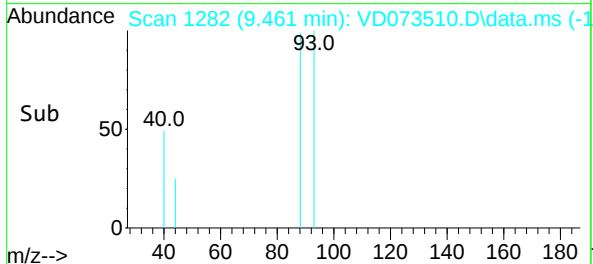
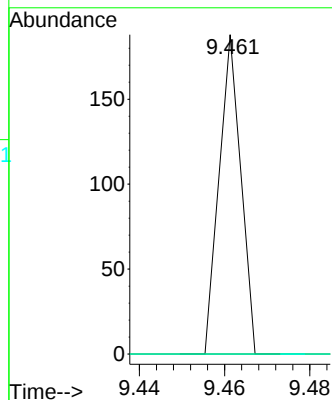
Tgt Ion: 88 Resp: 66

Ion Ratio Lower Upper

88 100

43 0.0 31.0 46.4#

58 0.0 58.1 87.1#



#50

Toluene-d8

Concen: 49.505 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073510.D

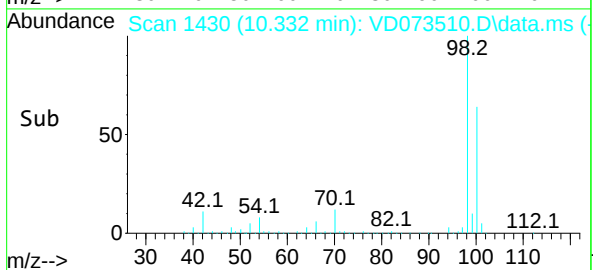
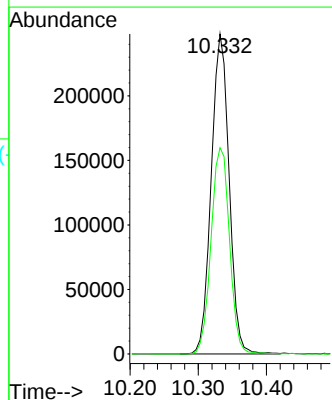
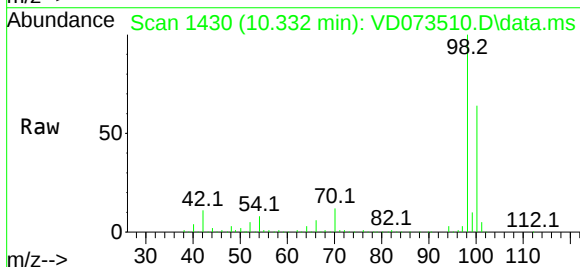
Acq: 09 Jun 2022 15:22

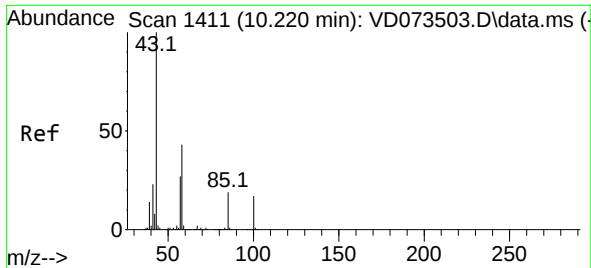
Tgt Ion: 98 Resp: 452661

Ion Ratio Lower Upper

98 100

100 66.6 52.4 78.6

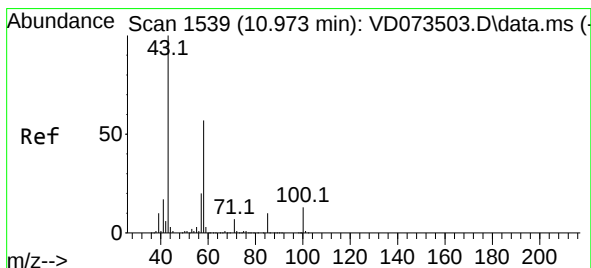
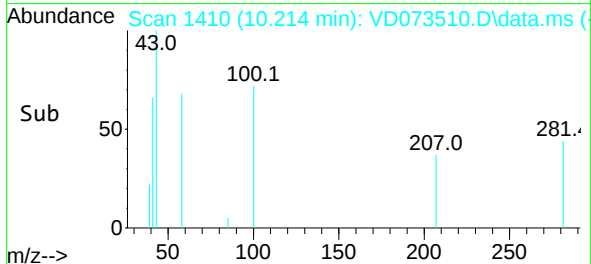
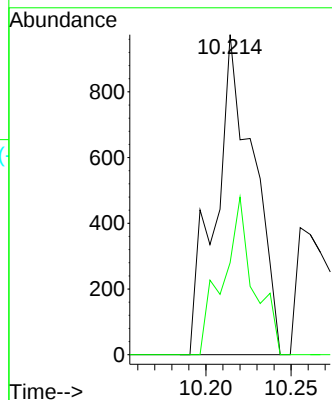
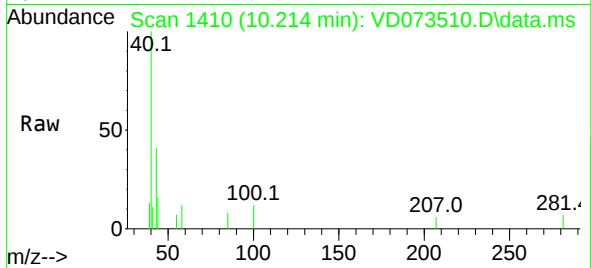




#51
4-Methyl-2-Pentanone
Concen: 1.067 ug/l
RT: 10.214 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD073510.D
Acq: 09 Jun 2022 15:22

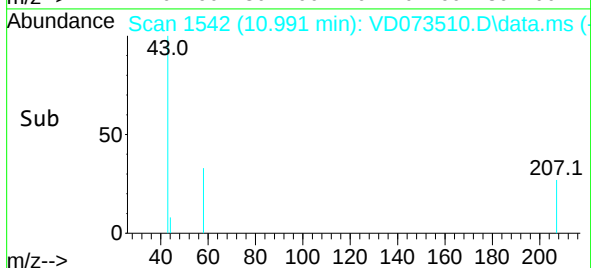
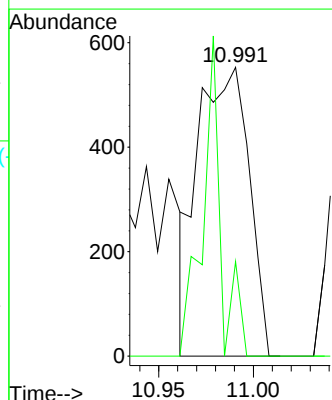
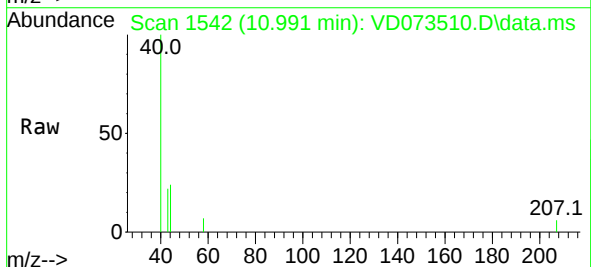
Instrument :
MSVOA_D
ClientSampleId :

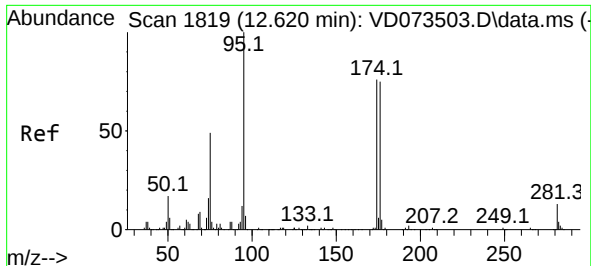
Tgt Ion: 43 Resp: 1524
Ion Ratio Lower Upper
43 100
58 39.9 28.6 43.0



#59
2-Hexanone
Concen: 1.055 ug/l
RT: 10.991 min Scan# 1542
Delta R.T. 0.018 min
Lab File: VD073510.D
Acq: 09 Jun 2022 15:22

Tgt Ion: 43 Resp: 1032
Ion Ratio Lower Upper
43 100
58 39.6 25.3 75.9

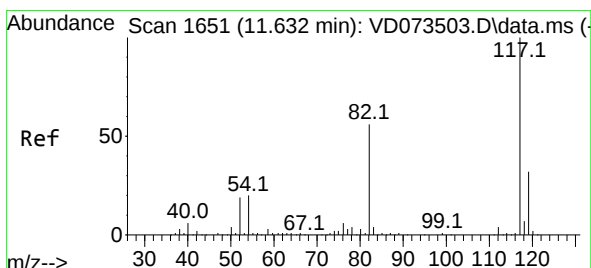
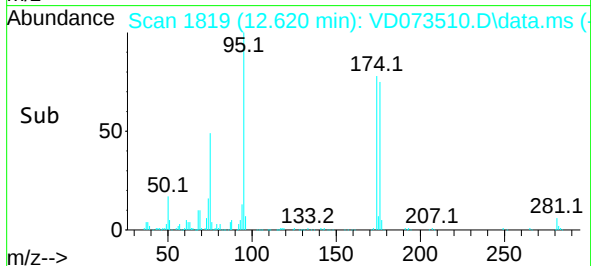
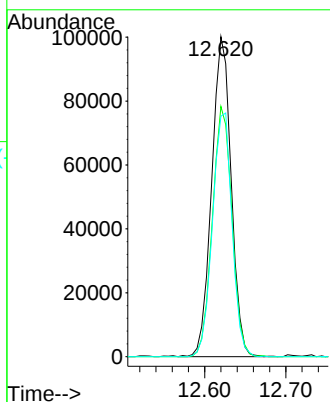
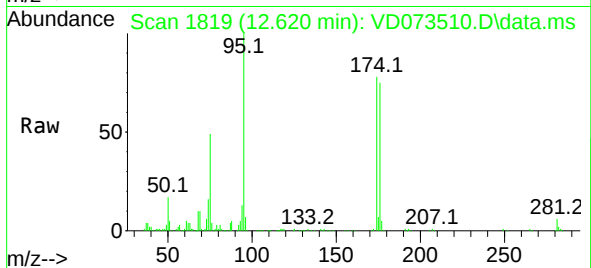




#62
4-Bromofluorobenzene
Concen: 50.249 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073510.D
Acq: 09 Jun 2022 15:22

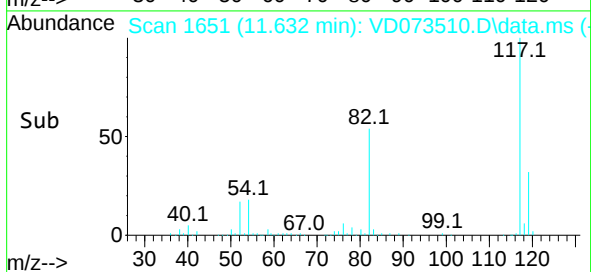
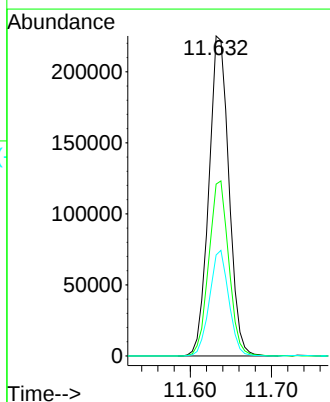
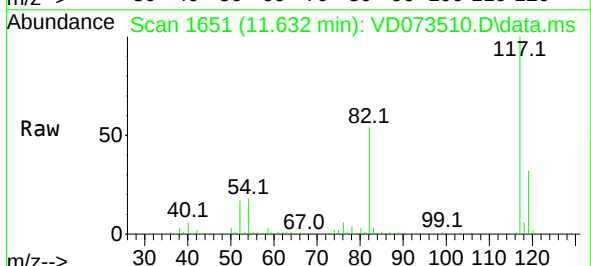
Instrument :
MSVOA_D
ClientSampleId :

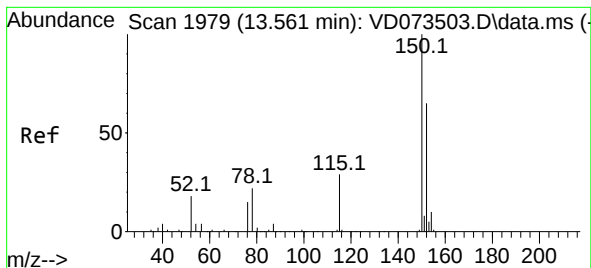
Tgt Ion: 95 Resp: 166799
Ion Ratio Lower Upper
95 100
174 78.6 0.0 152.8
176 76.6 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073510.D
Acq: 09 Jun 2022 15:22

Tgt Ion: 117 Resp: 385884
Ion Ratio Lower Upper
117 100
82 53.7 45.3 67.9
119 31.6 26.6 40.0

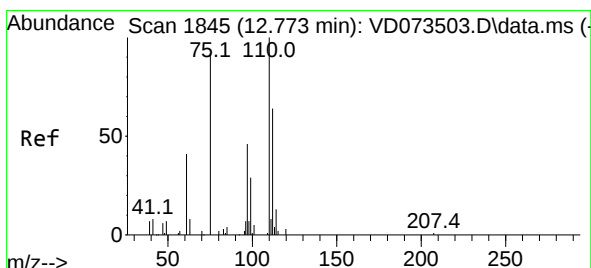
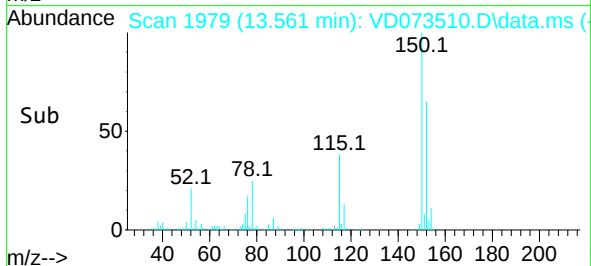
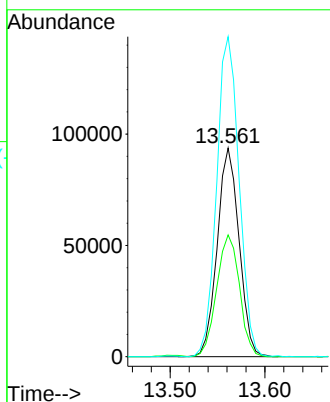
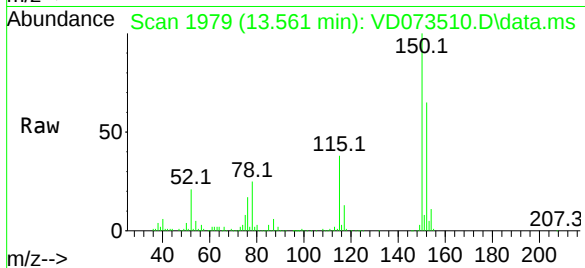




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073510.D
Acq: 09 Jun 2022 15:22

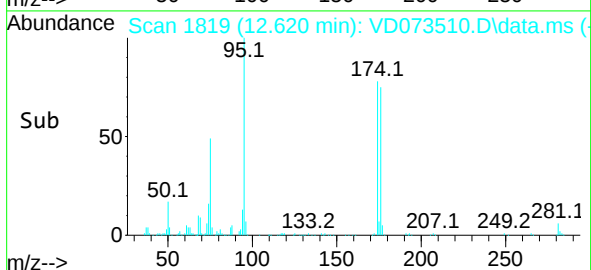
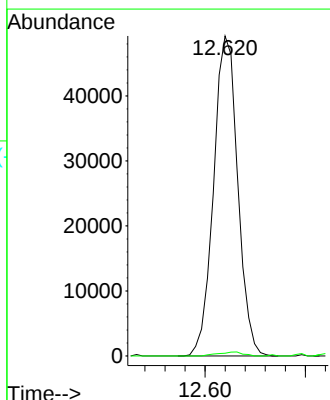
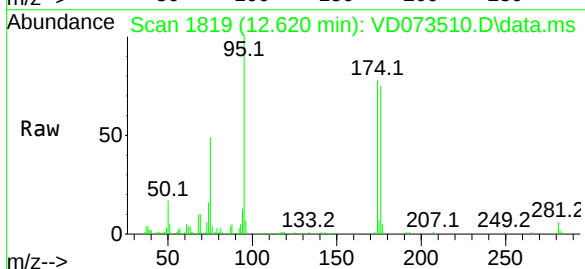
Instrument :
MSVOA_D
ClientSampleId :

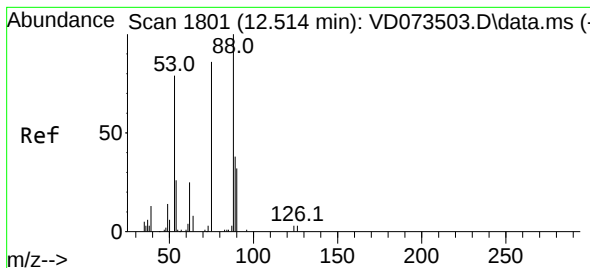
Tgt Ion:152 Resp: 150514
Ion Ratio Lower Upper
152 100
115 60.9 31.3 93.8
150 157.3 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 56.181 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD073510.D
Acq: 09 Jun 2022 15:22

Tgt Ion: 75 Resp: 82147
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

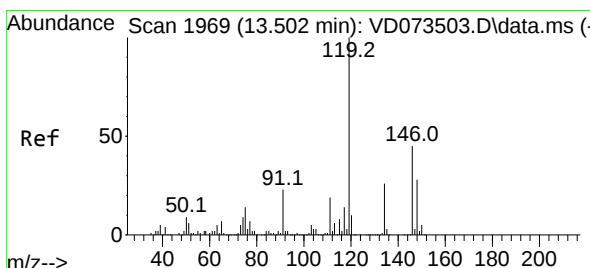
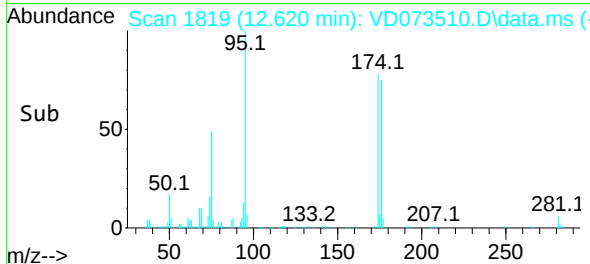
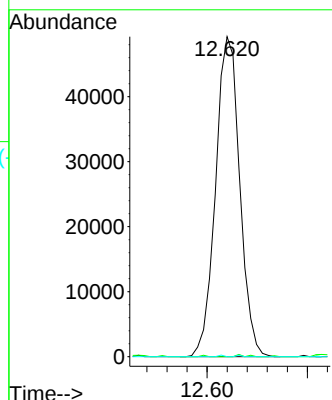
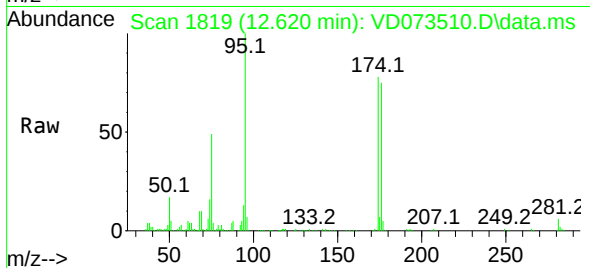




#81
trans-1,4-Dichloro-2-butene
Concen: 131.866 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073510.D
Acq: 09 Jun 2022 15:22

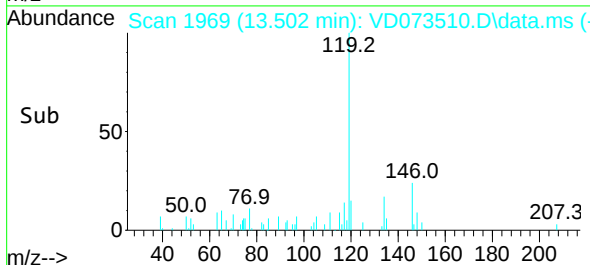
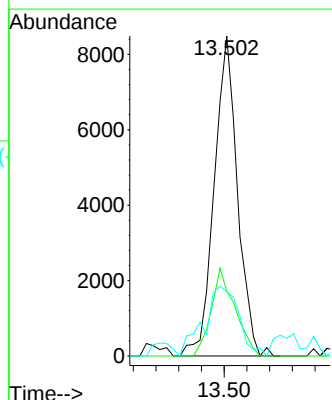
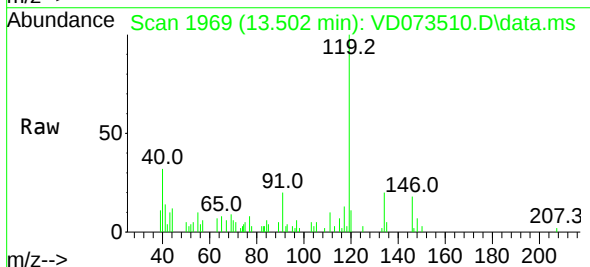
Instrument :
MSVOA_D
ClientSampleId :

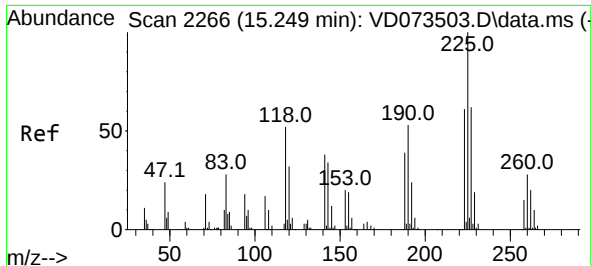
Tgt Ion: 75 Resp: 82147
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.1 33.9 50.9#



#86
p-Isopropyltoluene
Concen: 1.272 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. 0.000 min
Lab File: VD073510.D
Acq: 09 Jun 2022 15:22

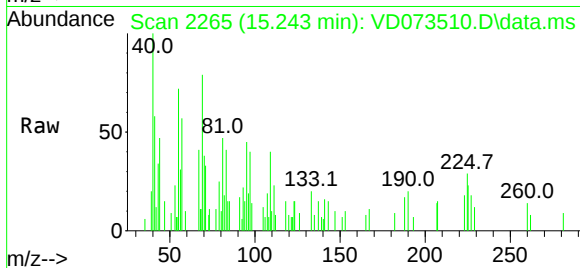
Tgt Ion: 119 Resp: 12083
Ion Ratio Lower Upper
119 100
134 28.0 12.9 38.6
91 32.5 12.1 36.3



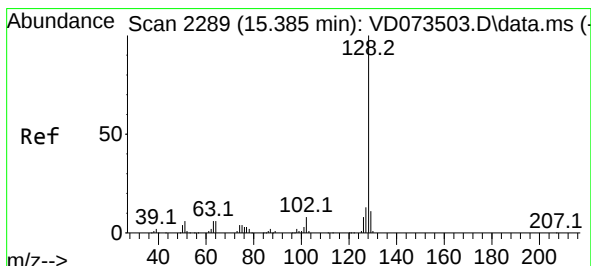
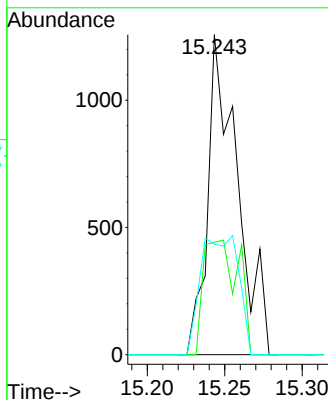
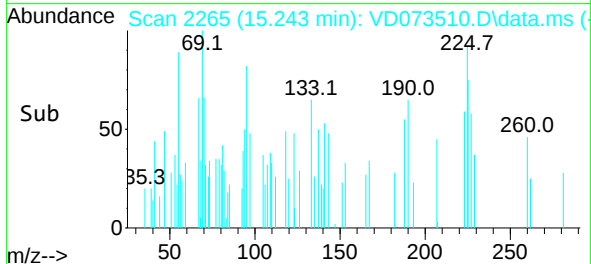


#94
Hexachlorobutadiene
Concen: 1.132 ug/l
RT: 15.243 min Scan# 2265
Delta R.T. -0.006 min
Lab File: VD073510.D
Acq: 09 Jun 2022 15:22

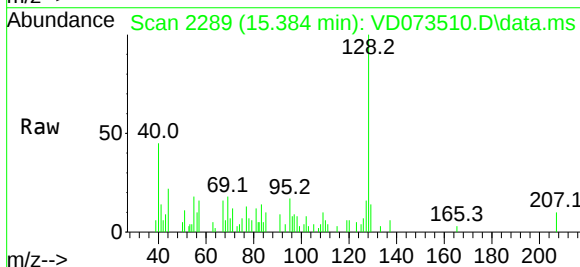
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	225	Resp:	1668
Ion Ratio	Lower	Upper	
225	100		
223	42.2	31.1	93.2
227	47.5	32.4	97.0



#95
Naphthalene
Concen: 6.193 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.001 min
Lab File: VD073510.D
Acq: 09 Jun 2022 15:22



Tgt Ion:	128	Resp:	11809
Ion Ratio	Lower	Upper	
128	100		
127	11.0	10.3	15.5
129	12.2	8.4	12.6

