

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060922\
 Data File : VD073515.D
 Acq On : 09 Jun 2022 18:47
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 10 06:14:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 10 05:32:19 2022
 Response via : Initial Calibration

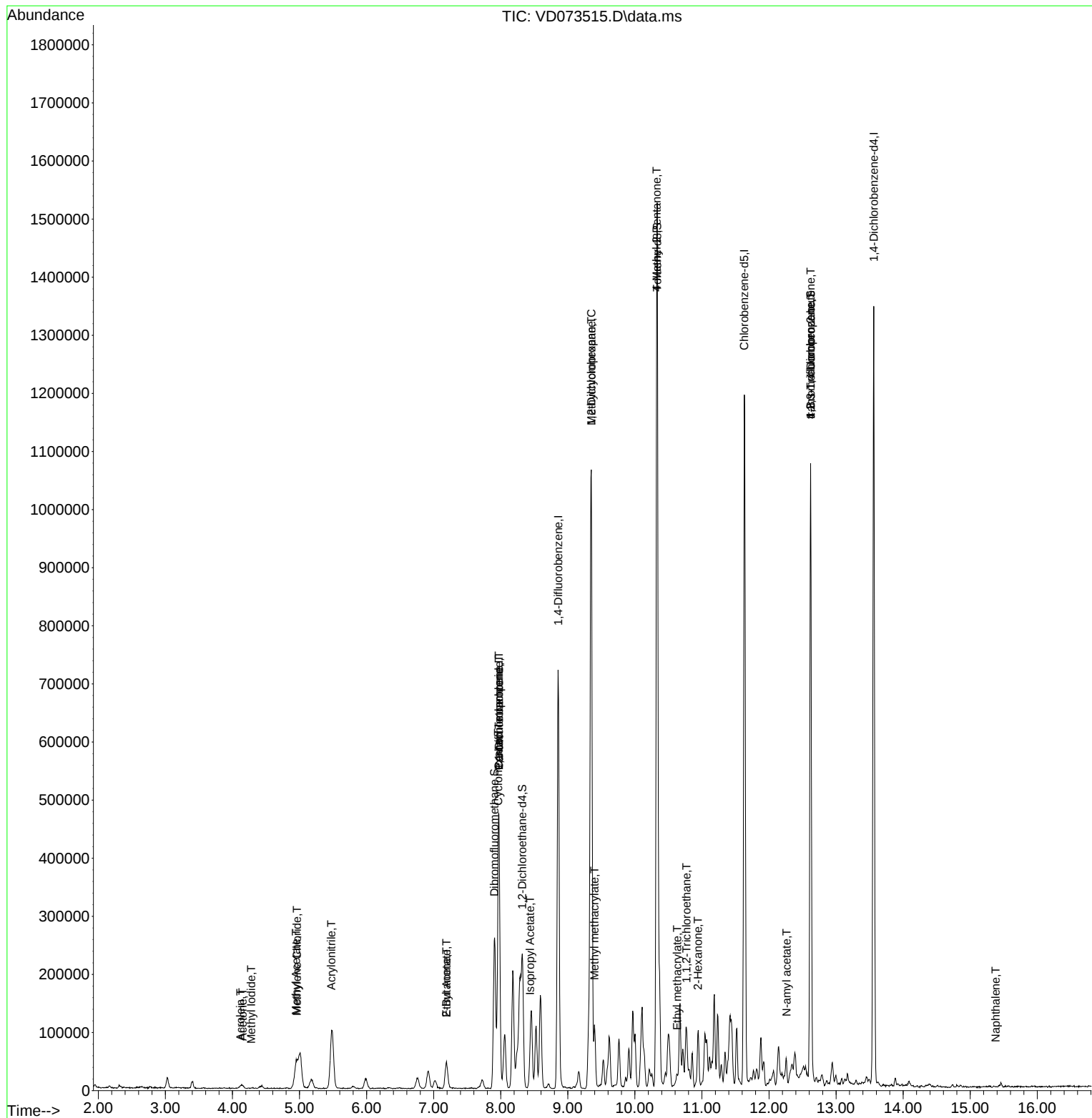
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.973	168	325128	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	626340	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	710804	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	357741	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	165292	47.374	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.740%
35) Dibromofluoromethane	7.903	113	194651	48.329	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.660%
50) Toluene-d8	10.332	98	818498	53.750	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.500%
62) 4-Bromofluorobenzene	12.620	95	351650	63.611	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	127.220%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.279	142	1379	4.488	ug/l #	66
11) Tert butyl alcohol	5.173	59	14517	Below Cal	#	74
13) Acrolein	4.120	56	742	4.829	ug/l #	36
15) Acrylonitrile	5.473	53	2122	2.826	ug/l #	30
16) Acetone	4.150	43	6036	9.825	ug/l #	47
18) Methyl Acetate	4.950	43	16406	10.583	ug/l #	55
20) Methylene Chloride	4.962	84	24527	3.322	ug/l #	79
25) 2-Butanone	7.191	43	4900	5.421	ug/l #	52
31) Cyclohexane	7.961	56	30524	5.193	ug/l #	75
36) 1,1-Dichloropropene	7.973	75	25097	4.149	ug/l #	52
37) Ethyl Acetate	7.191	43	4900	2.005	ug/l #	29
38) Carbon Tetrachloride	7.973	117	32568	5.147	ug/l #	15
39) Methylcyclohexane	9.350	83	456074	64.698	ug/l	97
43) Isopropyl Acetate	8.438	43	23063	4.906	ug/l #	54
45) 1,2-Dichloropropane	9.350	63	4787	1.098	ug/l #	1
48) Methyl methacrylate	9.397	41	17733	7.615	ug/l #	19
51) 4-Methyl-2-Pentanone	10.326	43	17581	7.391	ug/l	92
55) 1,1,2-Trichloroethane	10.767	97	38739	11.061	ug/l #	20
56) Ethyl methacrylate	10.632	69	6122	1.526	ug/l #	27
59) 2-Hexanone	10.938	43	36008	22.103	ug/l #	32
74) N-amyl acetate	12.261	43	8420	1.526	ug/l #	63
76) 1,2,3-Trichloropropane	12.620	75	172028	49.500	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	172028	116.185	ug/l #	7
95) Naphthalene	15.379	128	494	4.239	ug/l #	70

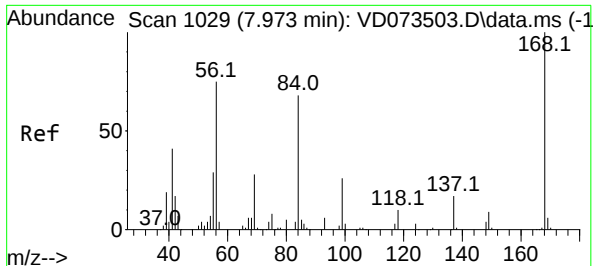
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060922\
Data File : VD073515.D
Acq On : 09 Jun 2022 18:47
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 10 06:14:33 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 10 05:32:19 2022
Response via : Initial Calibration

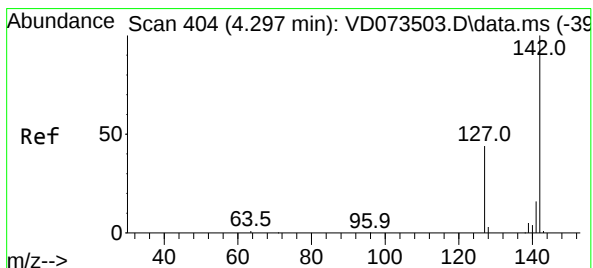
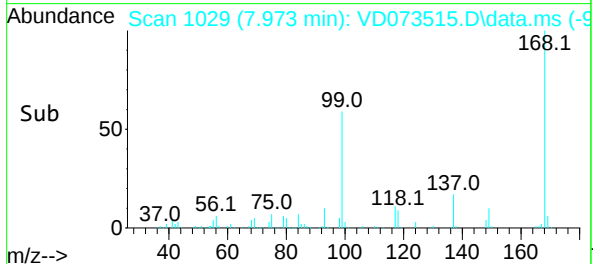
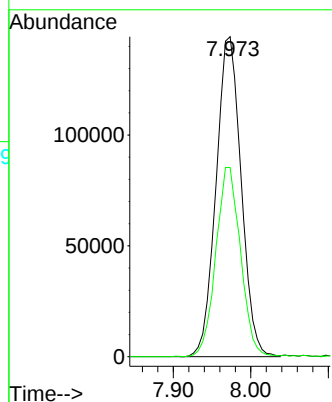
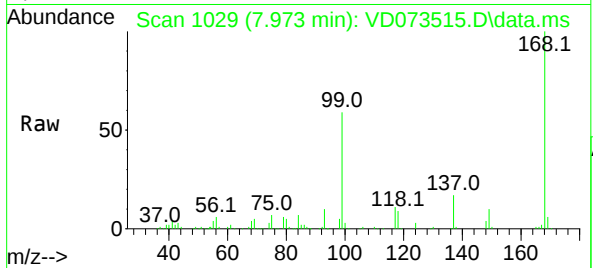




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073515.D
Acq: 09 Jun 2022 18:47

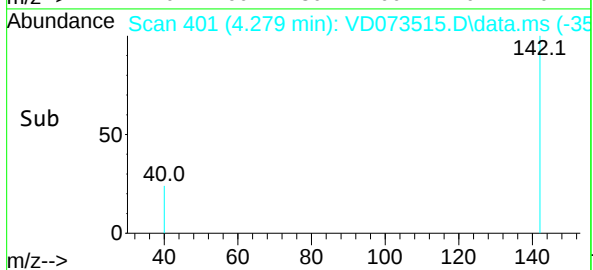
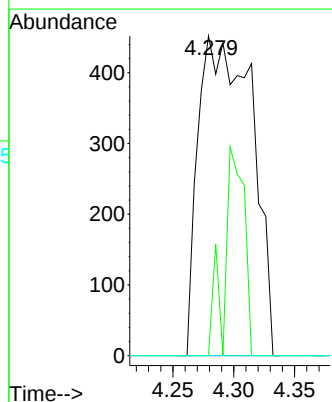
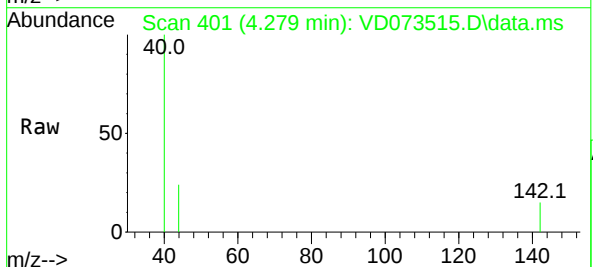
Instrument :
MSVOA_D
ClientSampleId :

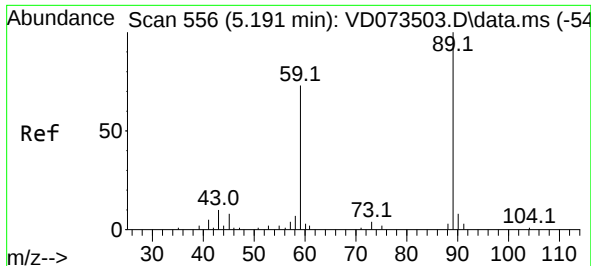
Tgt Ion:168 Resp: 325128
Ion Ratio Lower Upper
168 100
99 59.0 49.8 74.6



#10
Methyl Iodide
Concen: 4.488 ug/l
RT: 4.279 min Scan# 401
Delta R.T. -0.018 min
Lab File: VD073515.D
Acq: 09 Jun 2022 18:47

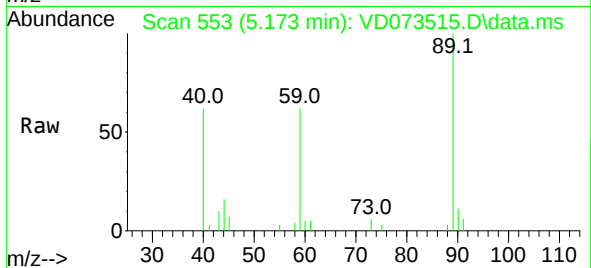
Tgt Ion:142 Resp: 1379
Ion Ratio Lower Upper
142 100
127 24.4 37.3 55.9#
141 0.0 11.7 17.5#



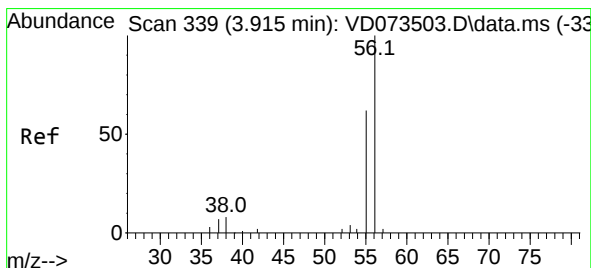
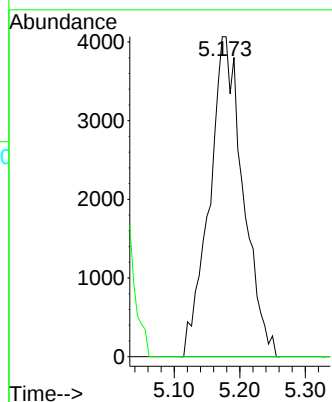


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.173 min Scan# 51
Delta R.T. -0.018 min
Lab File: VD073515.D
Acq: 09 Jun 2022 18:47

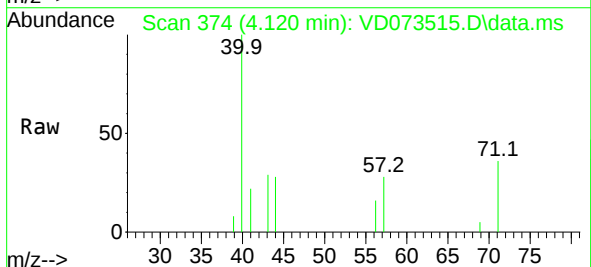
Instrument :
MSVOA_D
ClientSampleId :



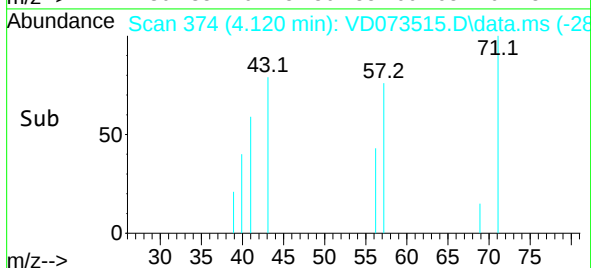
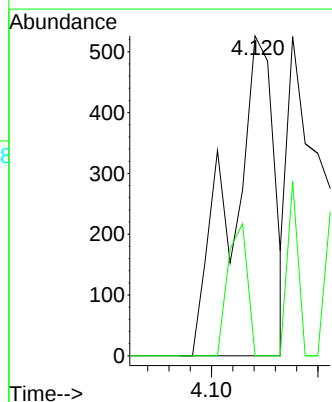
Tgt Ion: 59 Resp: 14517
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

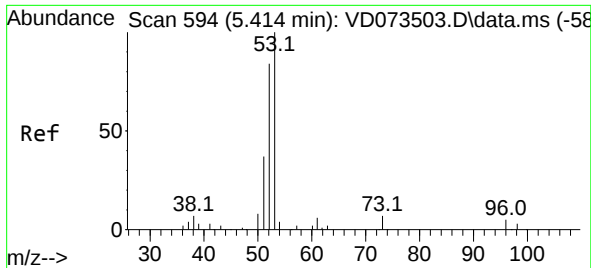


#13
Acrolein
Concen: 4.829 ug/l
RT: 4.120 min Scan# 374
Delta R.T. 0.205 min
Lab File: VD073515.D
Acq: 09 Jun 2022 18:47



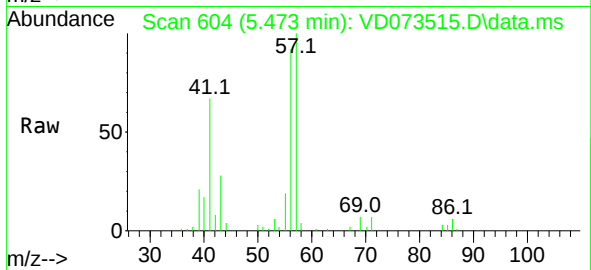
Tgt Ion: 56 Resp: 742
Ion Ratio Lower Upper
56 100
55 18.7 57.1 85.7#



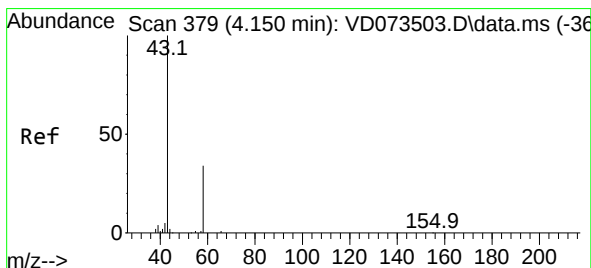
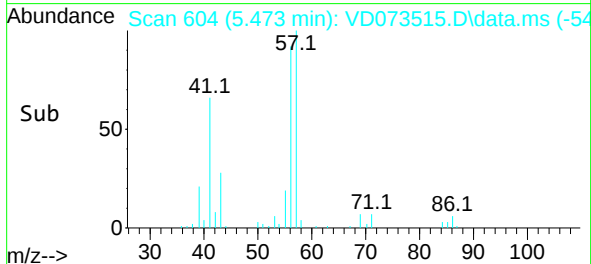
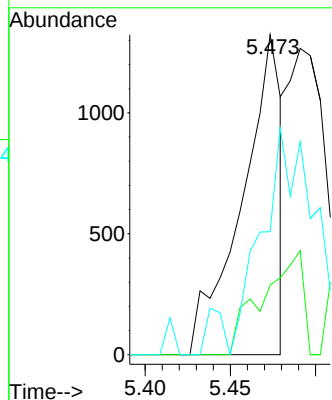


#15
Acrylonitrile
Concen: 2.826 ug/l
RT: 5.473 min Scan# 604
Delta R.T. 0.059 min
Lab File: VD073515.D
Acq: 09 Jun 2022 18:47

Instrument :
MSVOA_D
ClientSampleId :

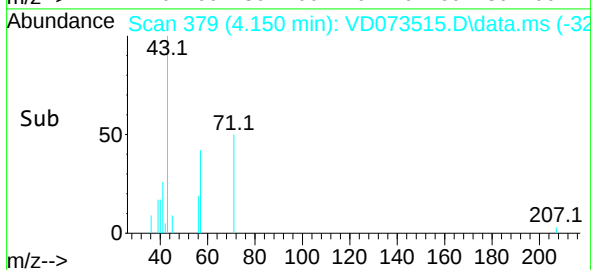
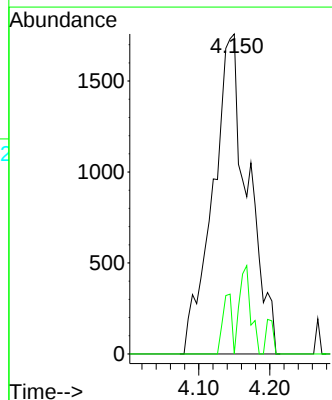
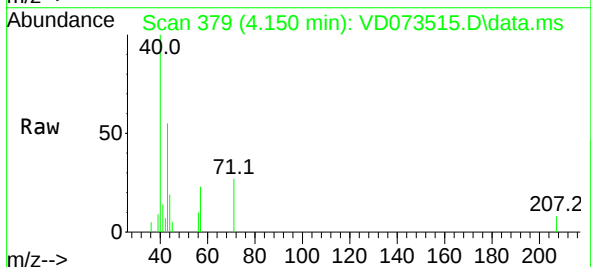


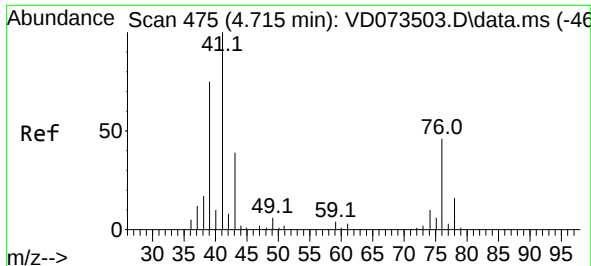
Tgt Ion: 53 Resp: 2122
Ion Ratio Lower Upper
53 100
52 33.4 67.2 100.8#
51 98.3 30.3 45.5#



#16
Acetone
Concen: 9.825 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.000 min
Lab File: VD073515.D
Acq: 09 Jun 2022 18:47

Tgt Ion: 43 Resp: 6036
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#





#18

Methyl Acetate

Concen: 10.583 ug/l

RT: 4.950 min Scan# 515

Delta R.T. 0.235 min

Lab File: VD073515.D

Acq: 09 Jun 2022 18:47

Instrument :

MSVOA_D

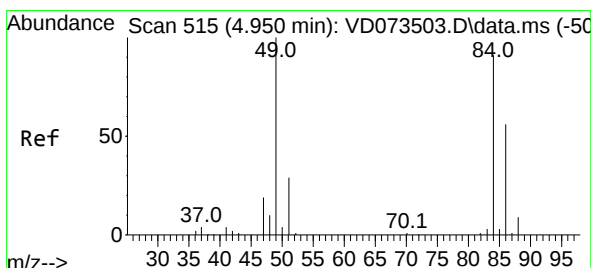
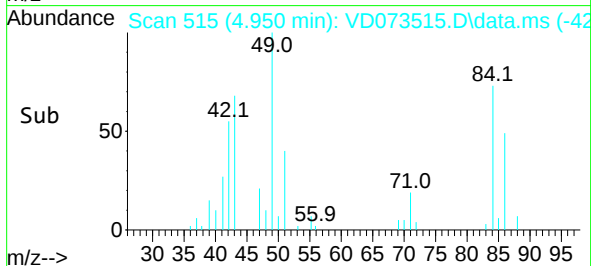
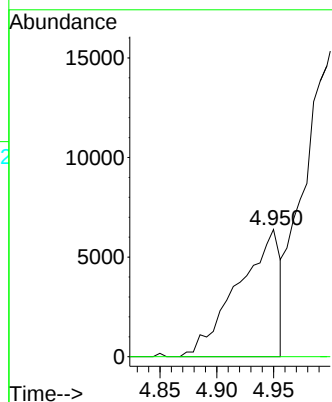
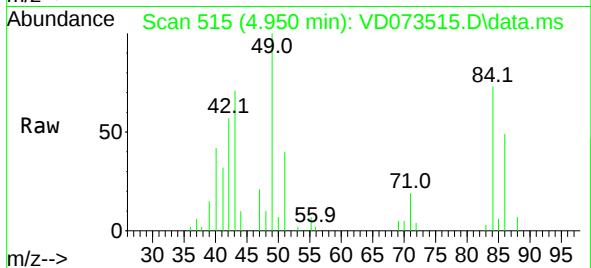
ClientSampleId :

Tgt Ion: 43 Resp: 16406

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



#20

Methylene Chloride

Concen: 3.322 ug/l

RT: 4.962 min Scan# 517

Delta R.T. 0.012 min

Lab File: VD073515.D

Acq: 09 Jun 2022 18:47

Tgt Ion: 84 Resp: 24527

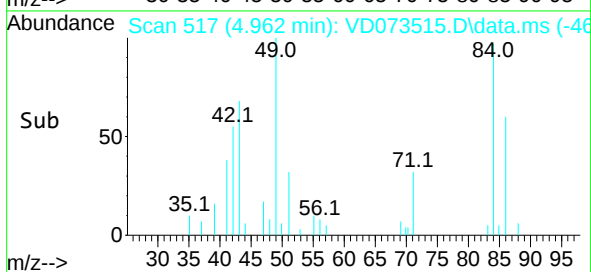
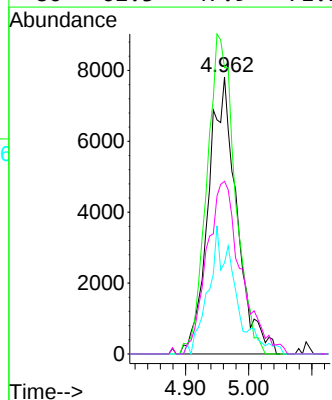
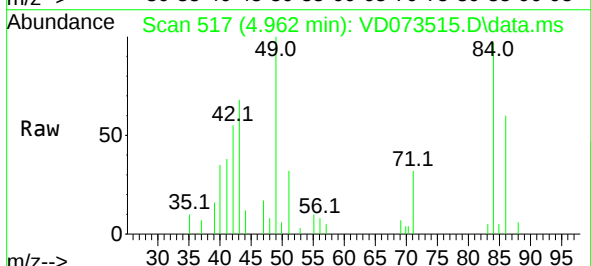
Ion Ratio Lower Upper

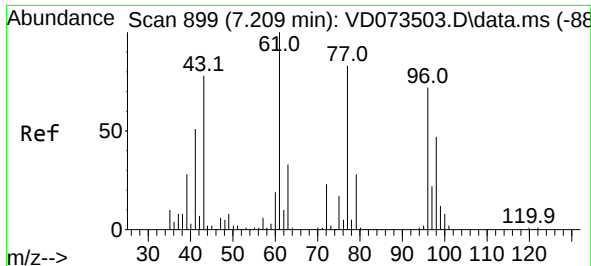
84 100

49 103.4 112.8 169.2#

51 32.9 32.6 48.8

86 62.3 47.9 71.9

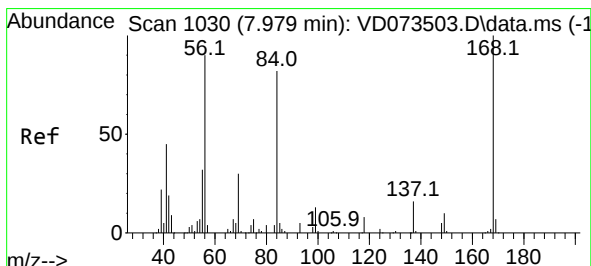
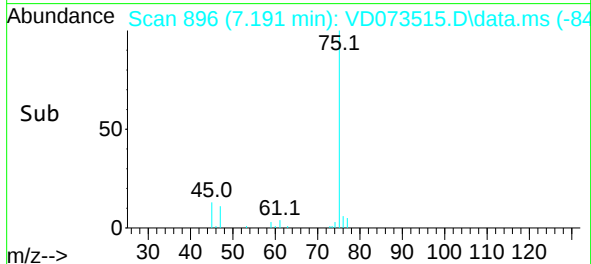
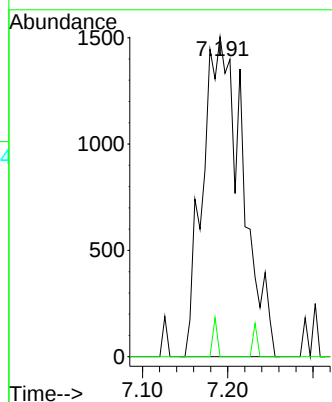
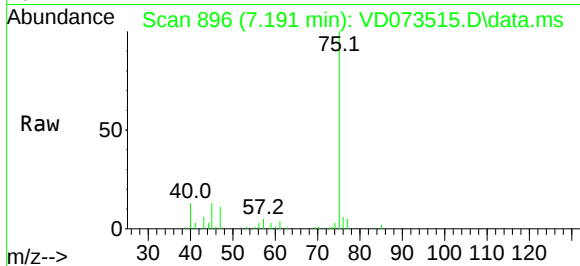




#25
2-Butanone
Concen: 5.421 ug/l
RT: 7.191 min Scan# 899
Delta R.T. -0.018 min
Lab File: VD073515.D
Acq: 09 Jun 2022 18:47

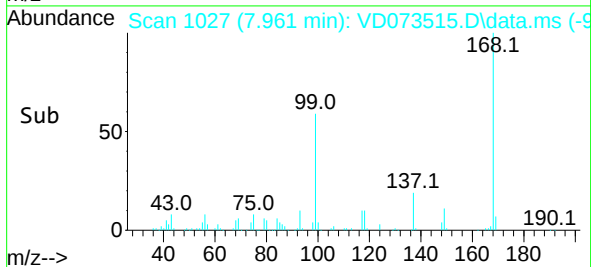
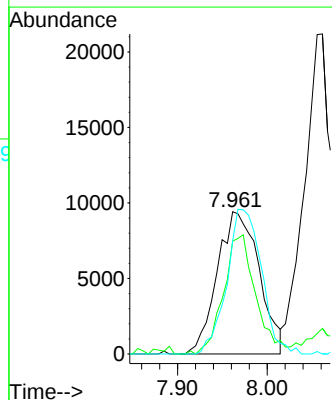
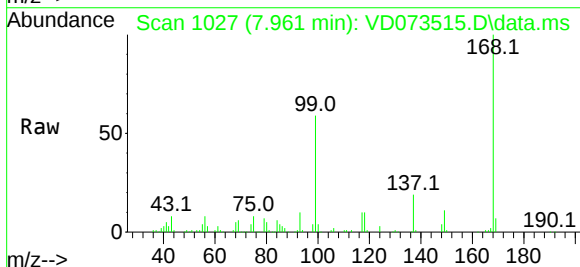
Instrument :
MSVOA_D
ClientSampleId :

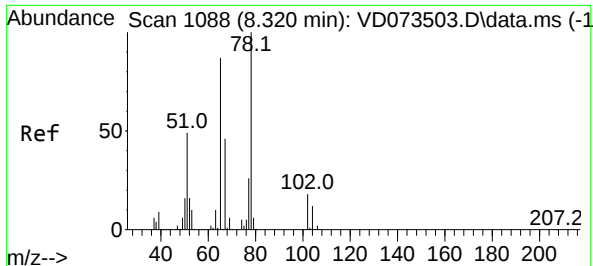
Tgt Ion: 43 Resp: 4900
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 5.193 ug/l
RT: 7.961 min Scan# 1027
Delta R.T. -0.018 min
Lab File: VD073515.D
Acq: 09 Jun 2022 18:47

Tgt Ion: 56 Resp: 30524
Ion Ratio Lower Upper
56 100
69 79.3 25.4 38.2#
84 79.6 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 47.374 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD073515.D

Acq: 09 Jun 2022 18:47

Instrument :

MSVOA_D

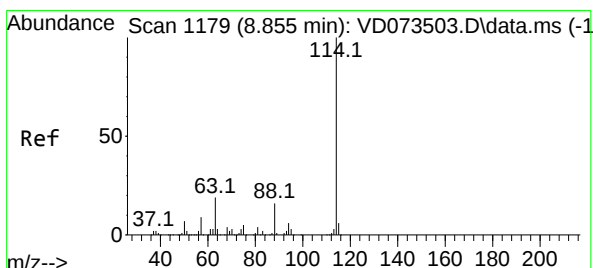
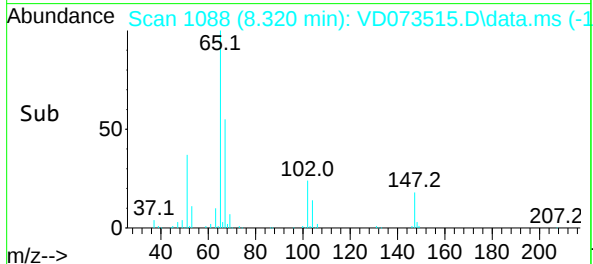
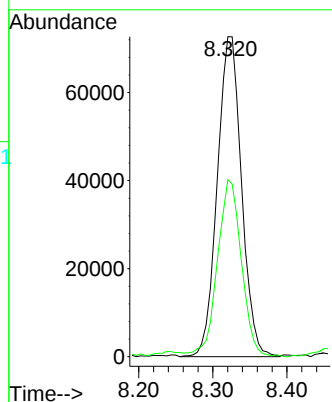
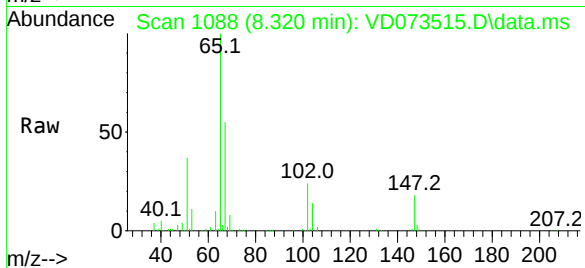
ClientSampleId :

Tgt Ion: 65 Resp: 165292

Ion Ratio Lower Upper

65 100

67 54.8 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: VD073515.D

Acq: 09 Jun 2022 18:47

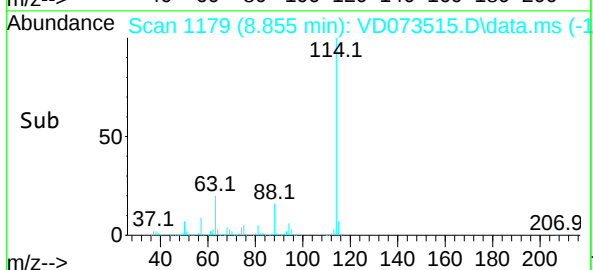
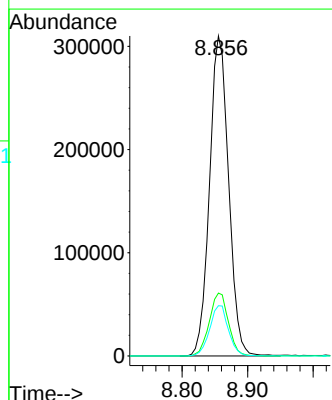
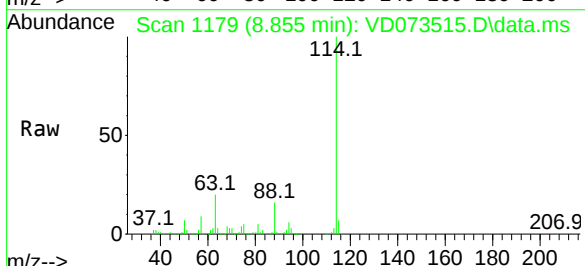
Tgt Ion: 114 Resp: 626340

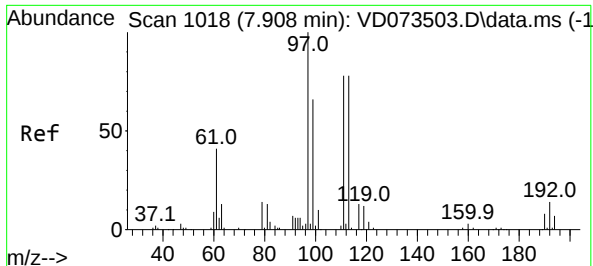
Ion Ratio Lower Upper

114 100

63 19.7 0.0 46.6

88 15.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.329 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.005 min

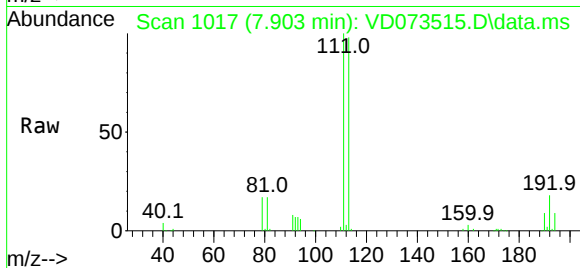
Lab File: VD073515.D

Acq: 09 Jun 2022 18:47

Instrument :

MSVOA_D

ClientSampleId :



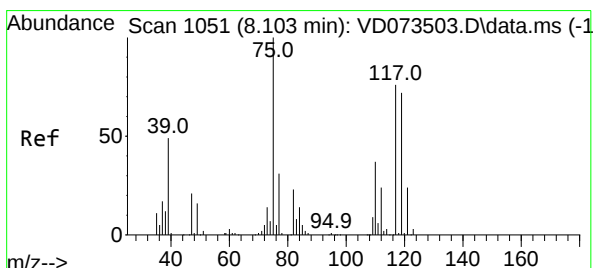
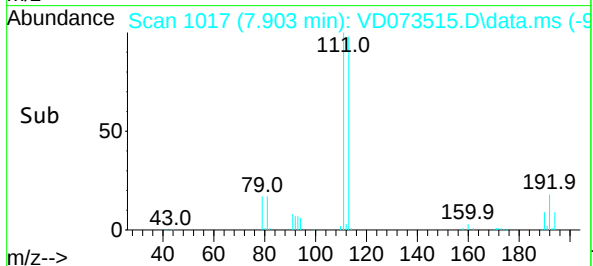
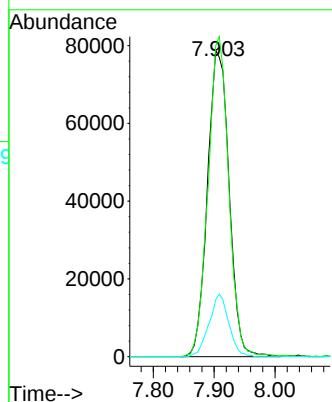
Tgt Ion:113 Resp: 194651

Ion Ratio Lower Upper

113 100

111 99.2 83.8 125.6

192 18.6 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.149 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.130 min

Lab File: VD073515.D

Acq: 09 Jun 2022 18:47

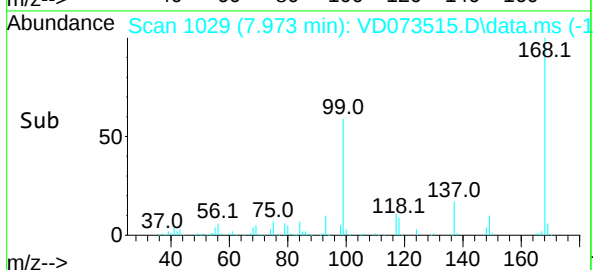
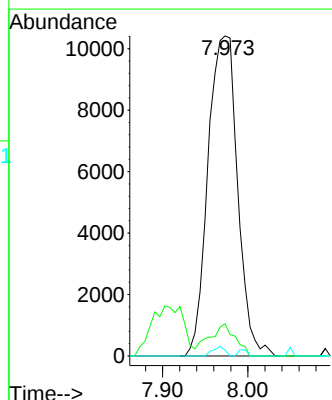
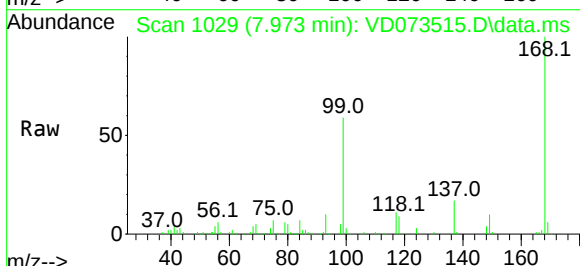
Tgt Ion: 75 Resp: 25097

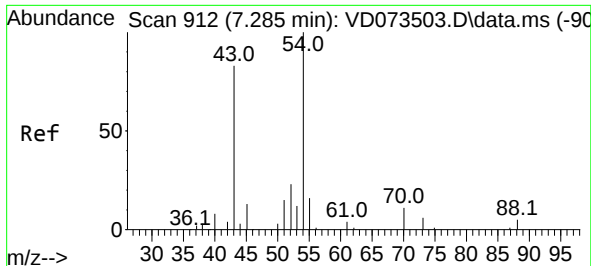
Ion Ratio Lower Upper

75 100

110 8.8 16.4 49.1#

77 1.2 24.2 36.2#





#37

Ethyl Acetate

Concen: 2.005 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.094 min

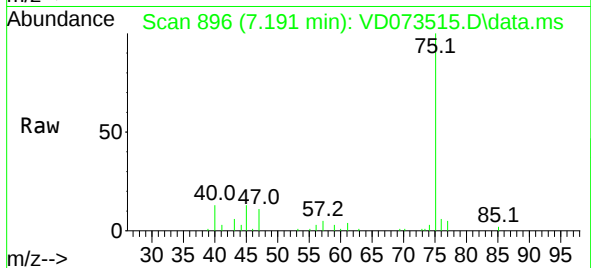
Lab File: VD073515.D

Acq: 09 Jun 2022 18:47

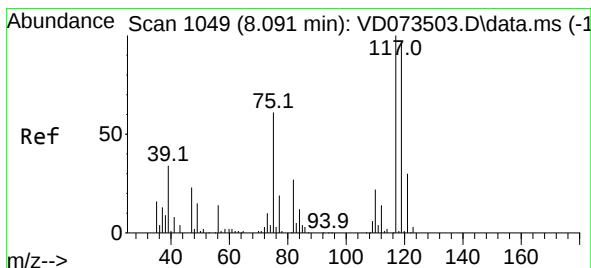
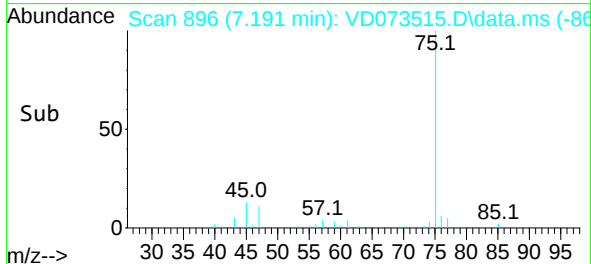
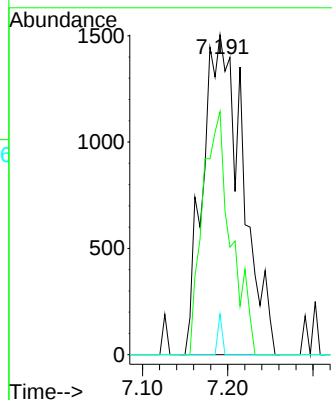
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43	Resp: 4900
Ion Ratio	Lower Upper
43 100	
61 53.8	9.8 14.8#
70 1.4	6.9 10.3#



#38

Carbon Tetrachloride

Concen: 5.147 ug/l

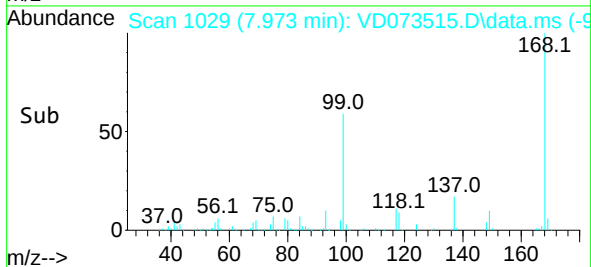
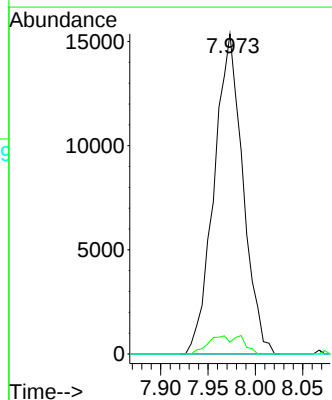
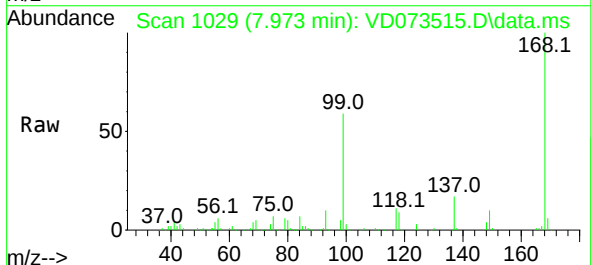
RT: 7.973 min Scan# 1029

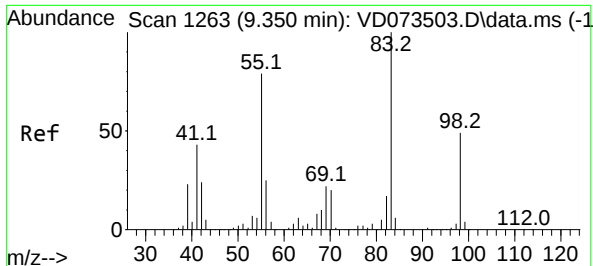
Delta R.T. -0.118 min

Lab File: VD073515.D

Acq: 09 Jun 2022 18:47

Tgt Ion: 117	Resp: 32568
Ion Ratio	Lower Upper
117 100	
119 3.7	75.8 113.6#
121 0.0	24.5 36.7#





#39

Methylcyclohexane

Concen: 64.698 ug/l

RT: 9.350 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VD073515.D

Acq: 09 Jun 2022 18:47

Instrument :

MSVOA_D

ClientSampleId :

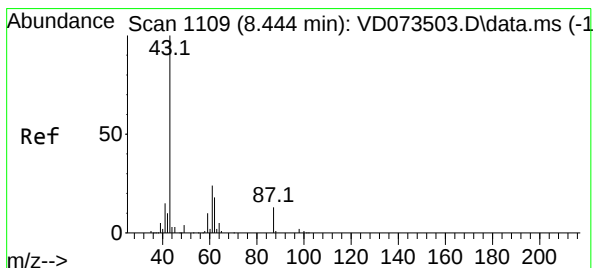
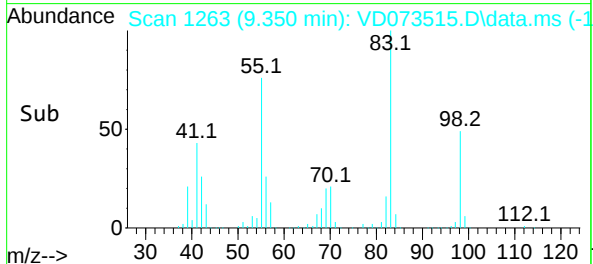
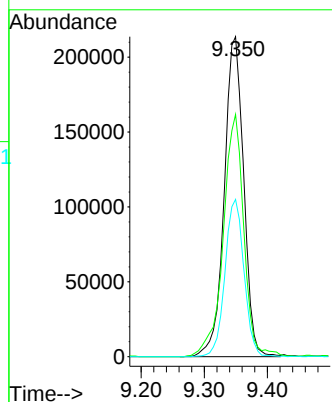
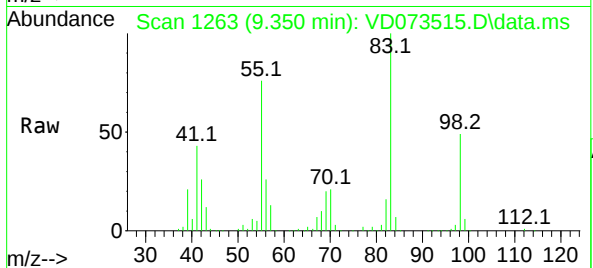
Tgt Ion: 83 Resp: 456074

Ion Ratio Lower Upper

83 100

55 75.7 63.2 94.8

98 49.2 38.2 57.4



#43

Isopropyl Acetate

Concen: 4.906 ug/l

RT: 8.438 min Scan# 1108

Delta R.T. -0.006 min

Lab File: VD073515.D

Acq: 09 Jun 2022 18:47

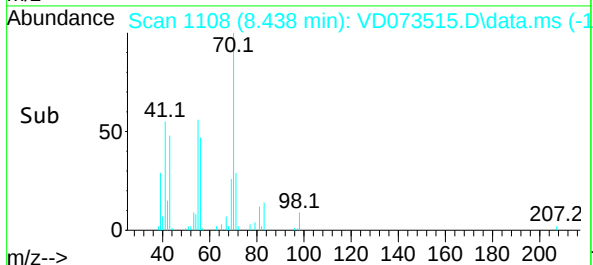
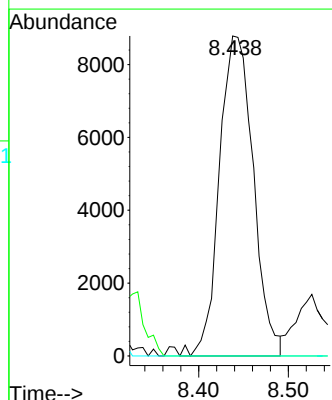
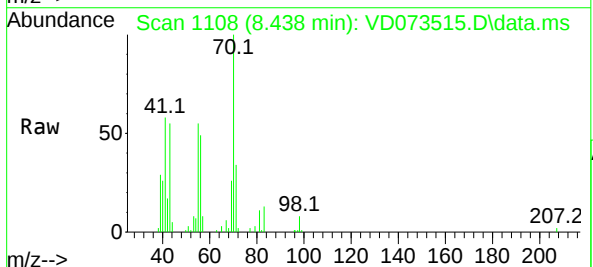
Tgt Ion: 43 Resp: 23063

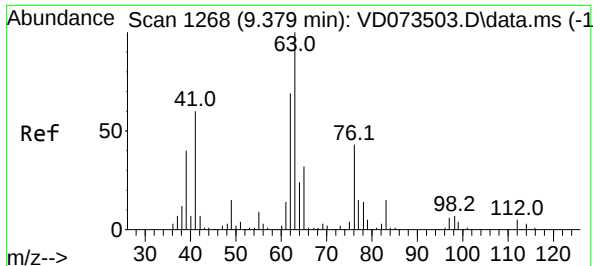
Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

87 0.0 8.7 13.1#





#45

1,2-Dichloropropane

Concen: 1.098 ug/l

RT: 9.350 min Scan# 11

Delta R.T. -0.029 min

Lab File: VD073515.D

Acq: 09 Jun 2022 18:47

Instrument :

MSVOA_D

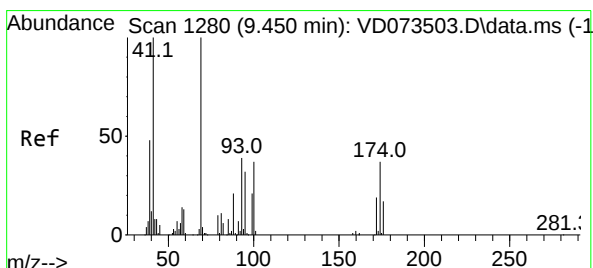
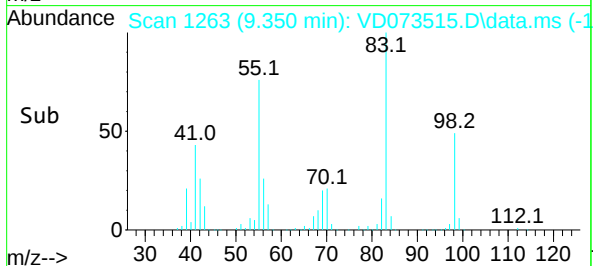
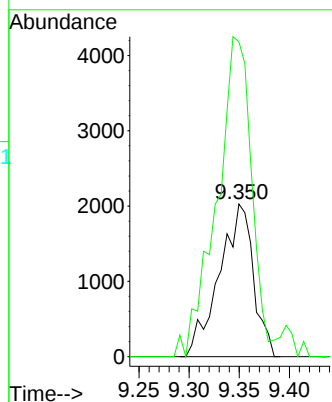
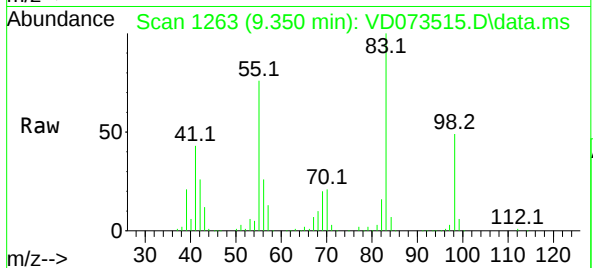
ClientSampleId :

Tgt Ion: 63 Resp: 4787

Ion Ratio Lower Upper

63 100

65 193.8 26.2 39.4#



#48

Methyl methacrylate

Concen: 7.615 ug/l

RT: 9.397 min Scan# 1271

Delta R.T. -0.053 min

Lab File: VD073515.D

Acq: 09 Jun 2022 18:47

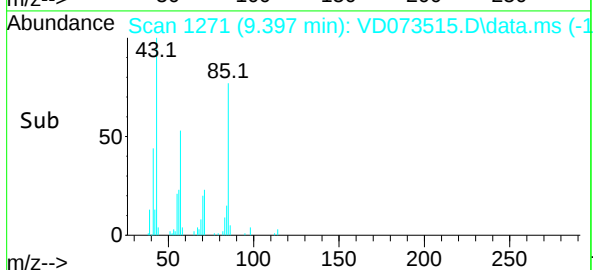
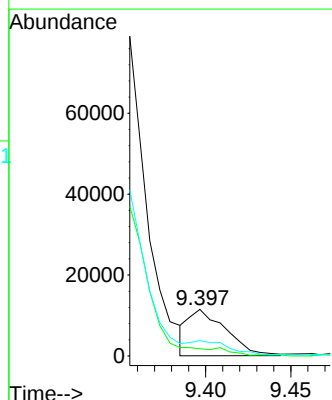
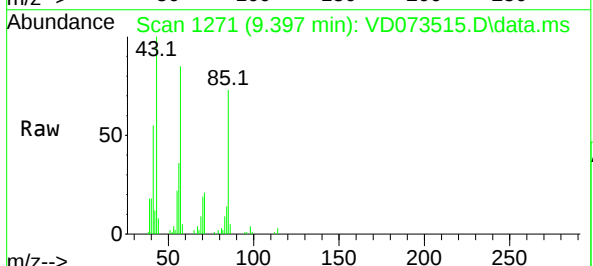
Tgt Ion: 41 Resp: 17733

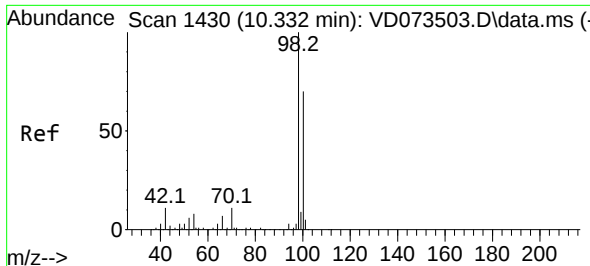
Ion Ratio Lower Upper

41 100

69 0.0 56.7 85.1#

39 0.0 42.7 64.1#

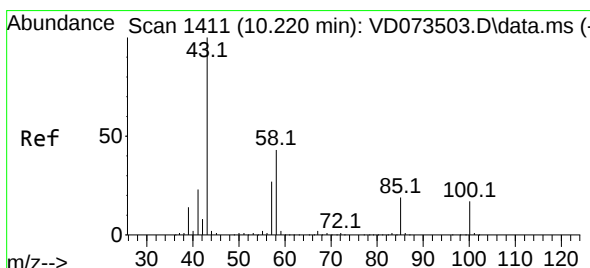
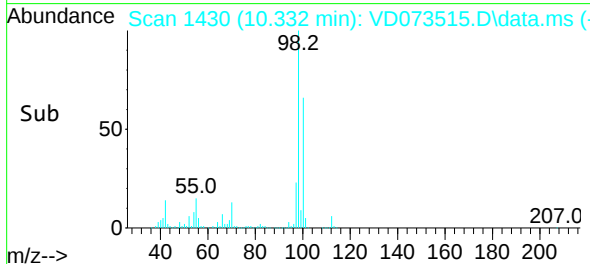
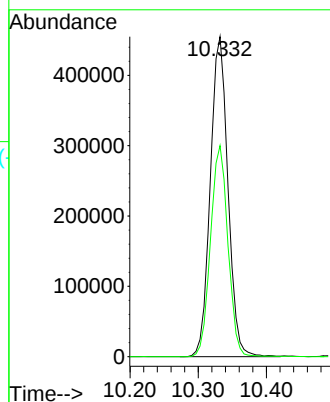
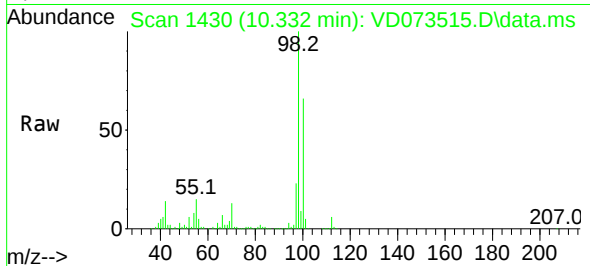




#50
Toluene-d8
Concen: 53.750 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073515.D
Acq: 09 Jun 2022 18:47

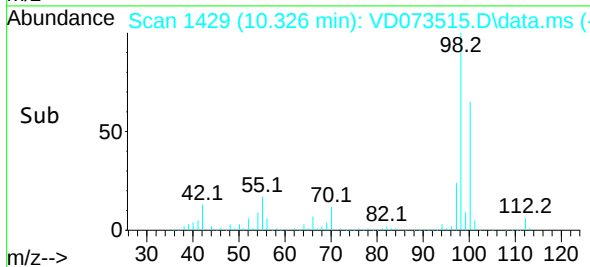
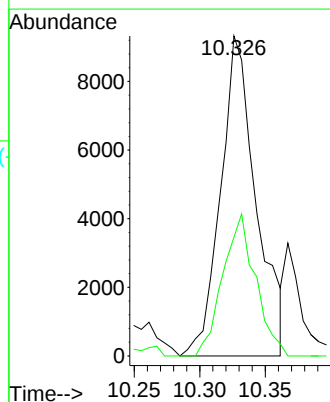
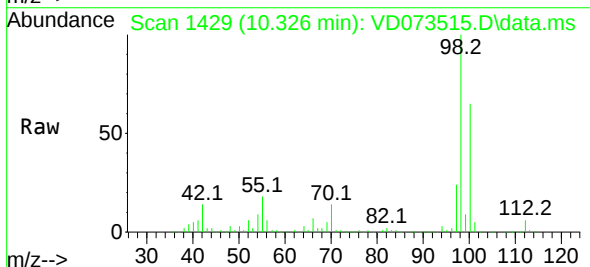
Instrument :
MSVOA_D
ClientSampleId :

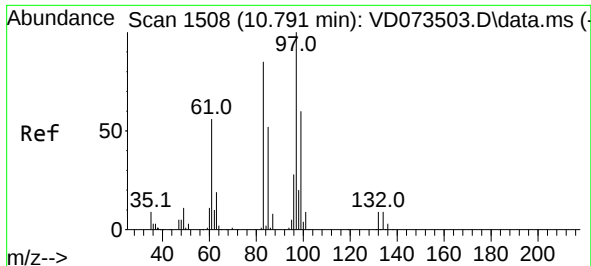
Tgt Ion: 98 Resp: 818498
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 7.391 ug/l
RT: 10.326 min Scan# 1429
Delta R.T. 0.106 min
Lab File: VD073515.D
Acq: 09 Jun 2022 18:47

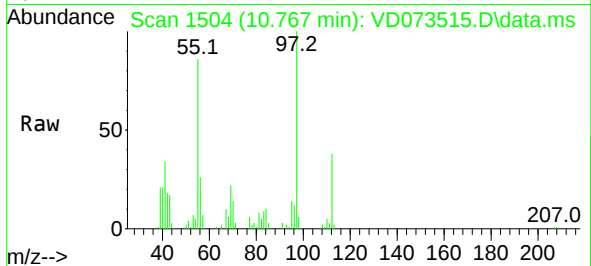
Tgt Ion: 43 Resp: 17581
Ion Ratio Lower Upper
43 100
58 40.7 28.6 43.0



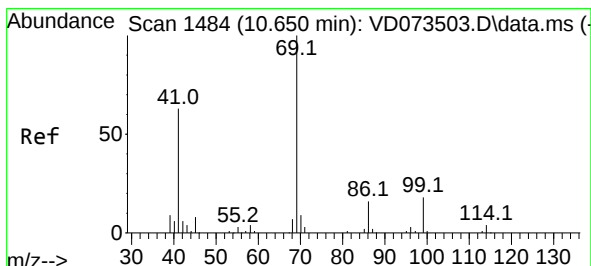
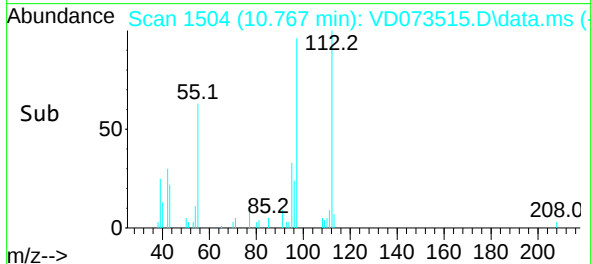
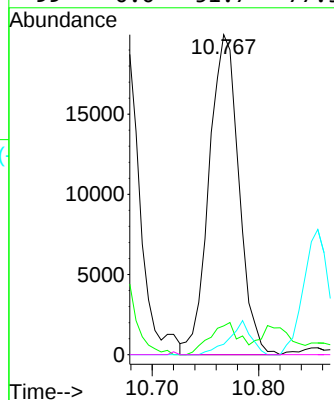


#55
1,1,2-Trichloroethane
Concen: 11.061 ug/l
RT: 10.767 min Scan# 1504
Delta R.T. -0.024 min
Lab File: VD073515.D
Acq: 09 Jun 2022 18:47

Instrument :
MSVOA_D
ClientSampleId :

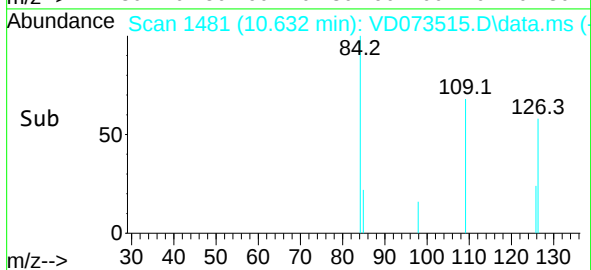
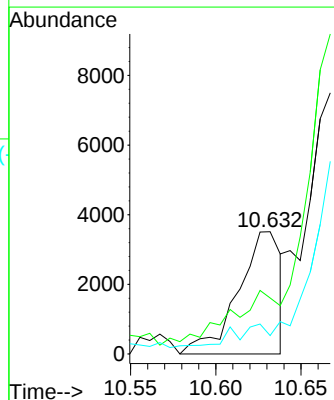
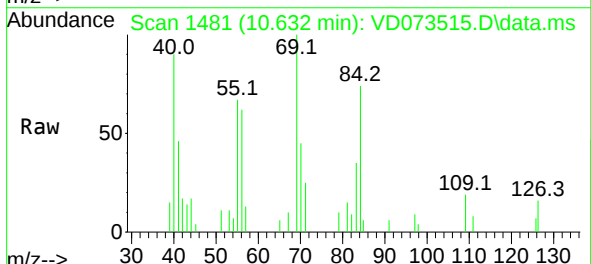


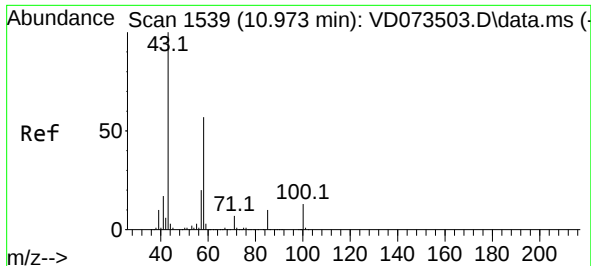
Tgt Ion: 97	Resp: 38739
Ion Ratio	Lower Upper
97 100	
83 9.0	69.0 103.4#
85 3.2	42.6 63.8#
99 0.0	51.7 77.5#



#56
Ethyl methacrylate
Concen: 1.526 ug/l
RT: 10.632 min Scan# 1481
Delta R.T. -0.018 min
Lab File: VD073515.D
Acq: 09 Jun 2022 18:47

Tgt Ion: 69	Resp: 6122
Ion Ratio	Lower Upper
69 100	
41 0.0	63.0 94.6#
39 16.1	33.8 50.8#

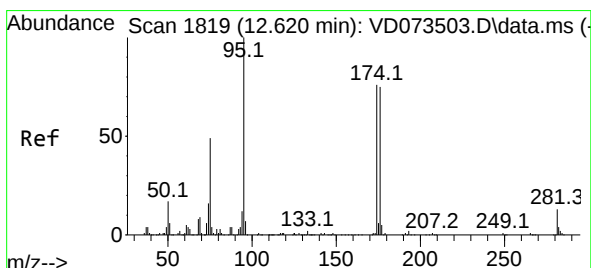
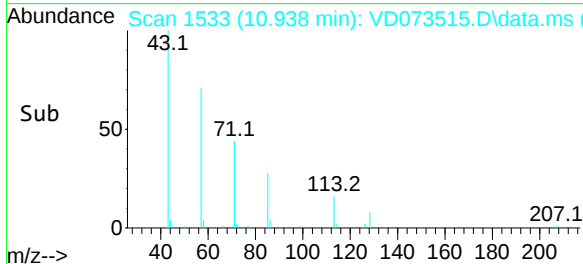
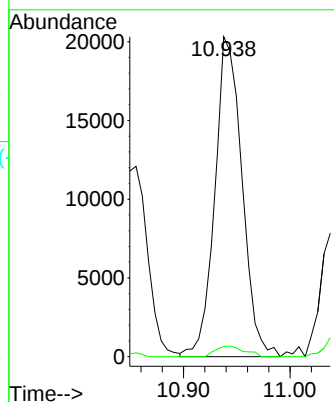
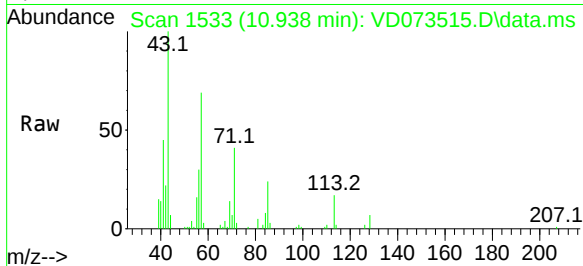




#59
2-Hexanone
Concen: 22.103 ug/l
RT: 10.938 min Scan# 1533
Delta R.T. -0.035 min
Lab File: VD073515.D
Acq: 09 Jun 2022 18:47

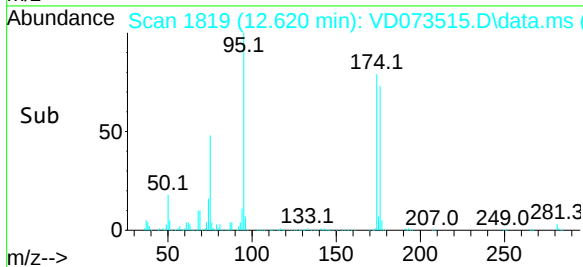
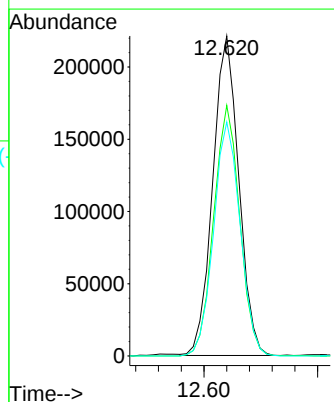
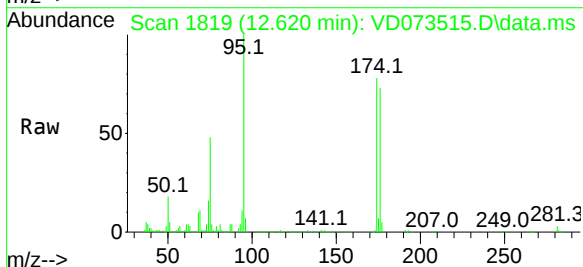
Instrument :
MSVOA_D
ClientSampleId :

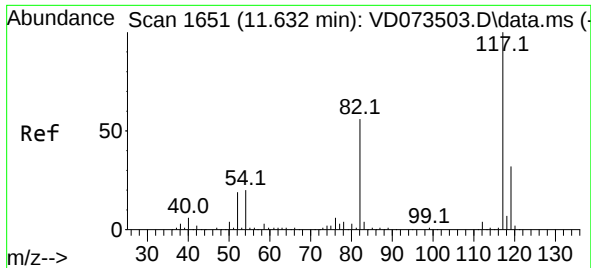
Tgt Ion: 43 Resp: 36008
Ion Ratio Lower Upper
43 100
58 3.5 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 63.611 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073515.D
Acq: 09 Jun 2022 18:47

Tgt Ion: 95 Resp: 351650
Ion Ratio Lower Upper
95 100
174 78.4 0.0 152.8
176 74.6 0.0 145.4

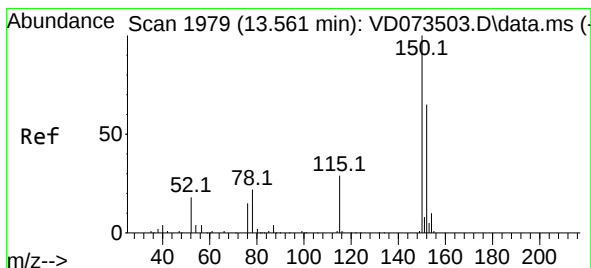
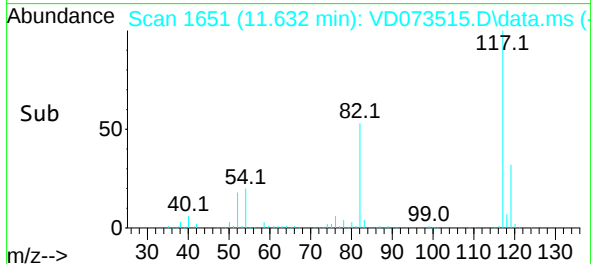
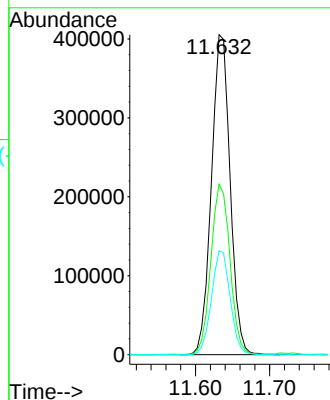
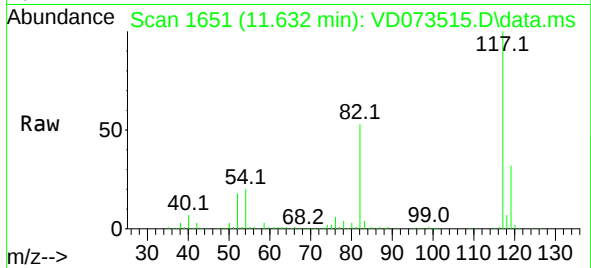




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD073515.D
Acq: 09 Jun 2022 18:47

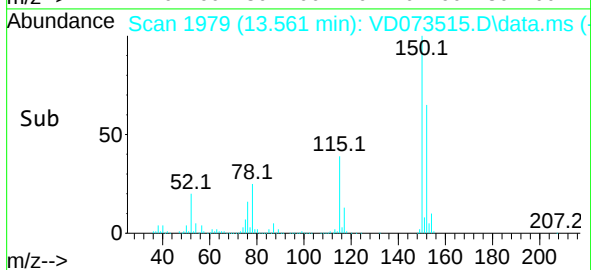
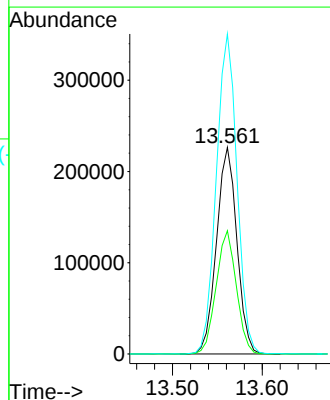
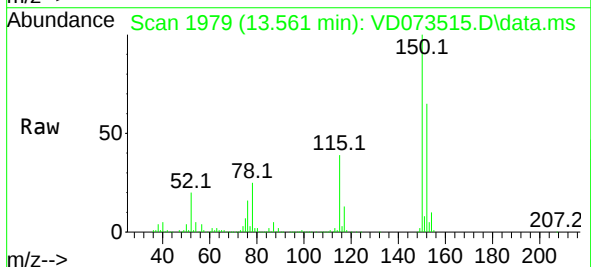
Instrument :
MSVOA_D
ClientSampleId :

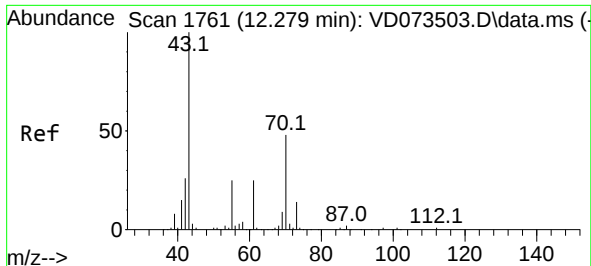
Tgt Ion:117 Resp: 710804
Ion Ratio Lower Upper
117 100
82 53.2 45.3 67.9
119 32.4 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073515.D
Acq: 09 Jun 2022 18:47

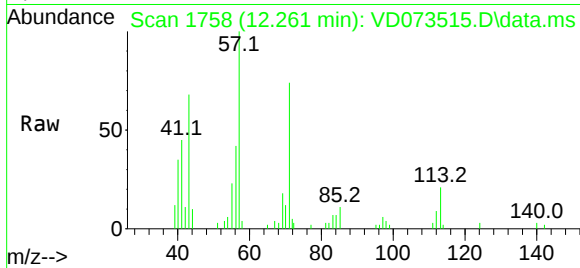
Tgt Ion:152 Resp: 357741
Ion Ratio Lower Upper
152 100
115 59.0 31.3 93.8
150 157.0 0.0 348.6



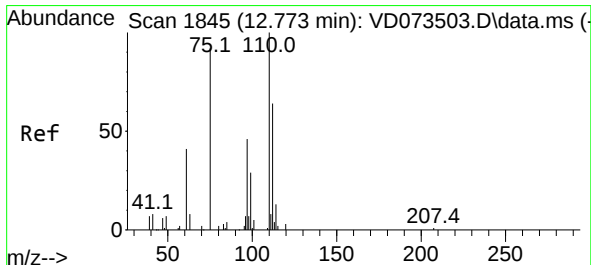
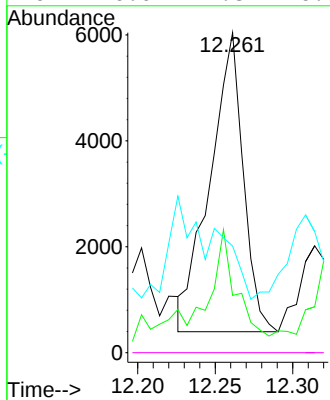
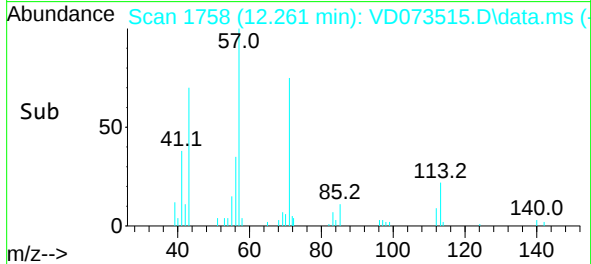


#74
N-amy1 acetate
Concen: 1.526 ug/l
RT: 12.261 min Scan# 1819
Delta R.T. -0.018 min
Lab File: VD073515.D
Acq: 09 Jun 2022 18:47

Instrument :
MSVOA_D
ClientSampleId :

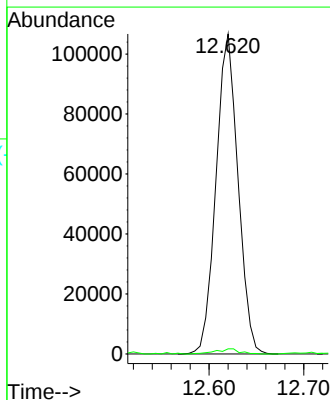
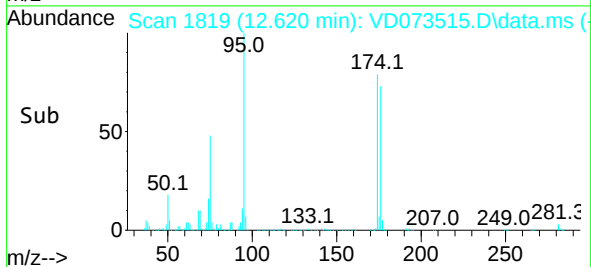
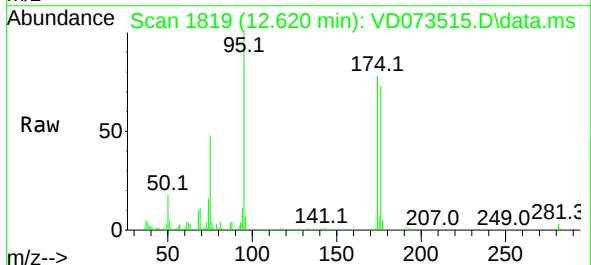


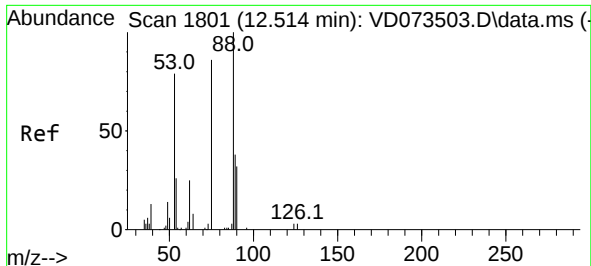
Tgt Ion: 43	Resp: 8420
Ion Ratio	Lower Upper
43	100
70	24.6 31.3 46.9#
55	0.0 20.0 30.0#
61	0.0 17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 49.500 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD073515.D
Acq: 09 Jun 2022 18:47

Tgt Ion: 75	Resp: 172028
Ion Ratio	Lower Upper
75	100
77	1.7 0.0 0.0#

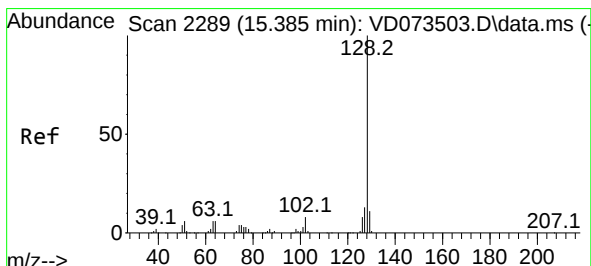
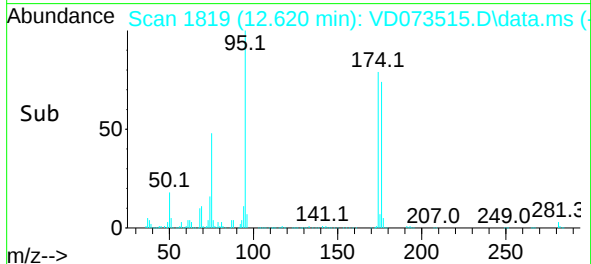
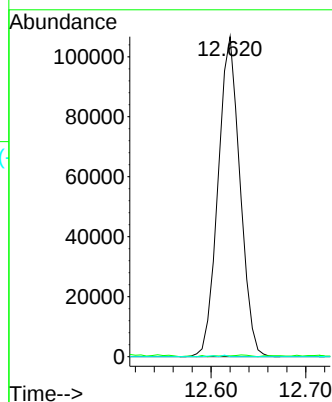
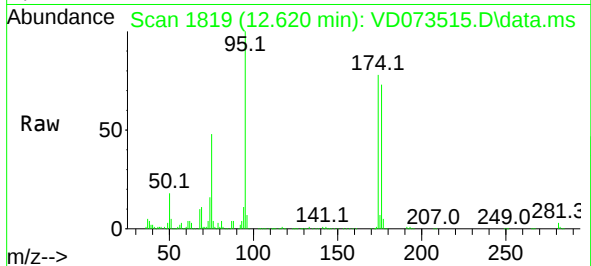




#81
trans-1,4-Dichloro-2-butene
Concen: 116.185 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073515.D
Acq: 09 Jun 2022 18:47

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 172028
Ion Ratio Lower Upper
75 100
53 0.6 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 4.239 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD073515.D
Acq: 09 Jun 2022 18:47

Tgt Ion:128 Resp: 494
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

