

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060922\
 Data File : VD073516.D
 Acq On : 09 Jun 2022 19:16
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 10 06:14:45 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

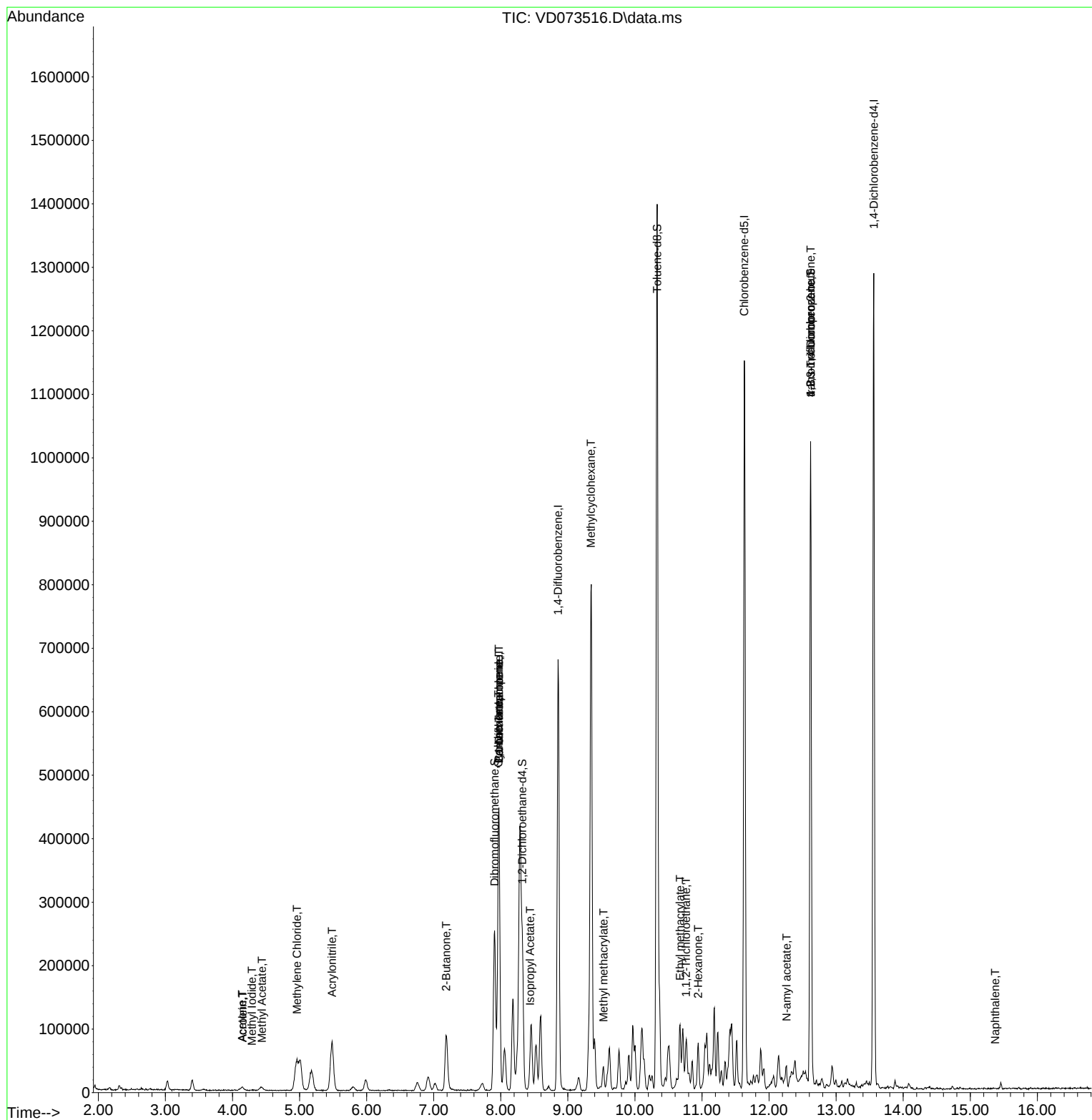
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.973	168	311244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	596965	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	689895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	343196	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	157381	47.119	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.240%
35) Dibromofluoromethane	7.908	113	187376	48.812	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.620%
50) Toluene-d8	10.332	98	791425	54.529	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	109.060%
62) 4-Bromofluorobenzene	12.620	95	337855	64.123	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	128.240%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	580	4.311	ug/l #	76
11) Tert butyl alcohol	5.179	59	28820	Below Cal	#	74
13) Acrolein	4.150	56	819	5.567	ug/l #	33
15) Acrylonitrile	5.485	53	3103	4.317	ug/l #	33
16) Acetone	4.144	43	6620	11.256	ug/l #	79
18) Methyl Acetate	4.438	43	1611	2.314	ug/l #	55
20) Methylene Chloride	4.962	84	27261	4.419	ug/l #	81
25) 2-Butanone	7.185	43	6848	7.914	ug/l #	77
31) Cyclohexane	7.967	56	24524	4.359	ug/l #	72
36) 1,1-Dichloropropene	7.973	75	25704	4.458	ug/l #	52
38) Carbon Tetrachloride	7.973	117	31921	5.293	ug/l #	18
39) Methylcyclohexane	9.344	83	329075	48.979	ug/l	97
43) Isopropyl Acetate	8.438	43	17331	3.868	ug/l #	54
48) Methyl methacrylate	9.532	41	6970	3.140	ug/l #	17
55) 1,1,2-Trichloroethane	10.761	97	27994	8.387	ug/l #	20
56) Ethyl methacrylate	10.673	69	10846	2.836	ug/l #	38
59) 2-Hexanone	10.944	43	26354	16.973	ug/l #	32
74) N-amyl acetate	12.261	43	6693	1.265	ug/l #	78
76) 1,2,3-Trichloropropane	12.620	75	164503	49.341	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	164503	115.811	ug/l #	7
95) Naphthalene	15.373	128	479	4.239	ug/l #	70

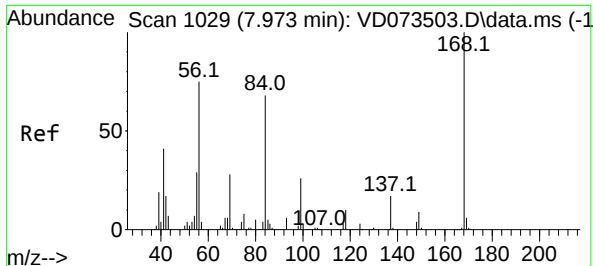
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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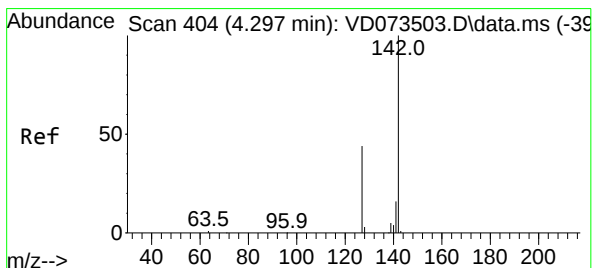
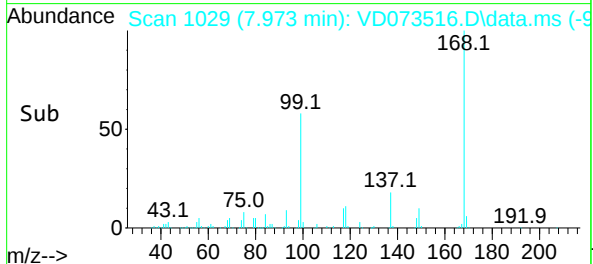
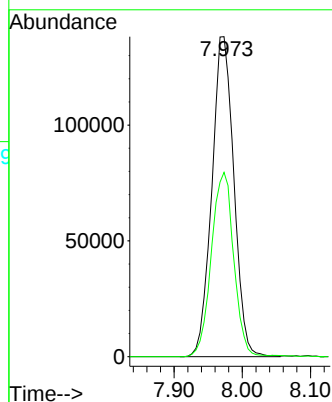
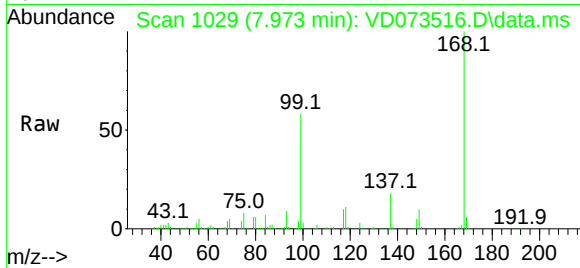




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073516.D
Acq: 09 Jun 2022 19:16

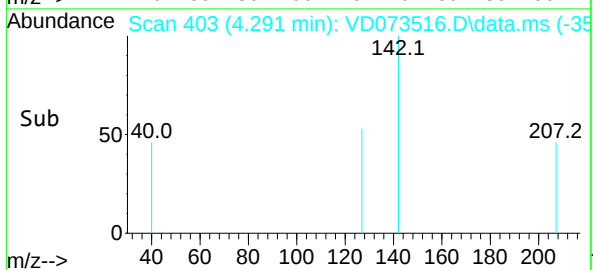
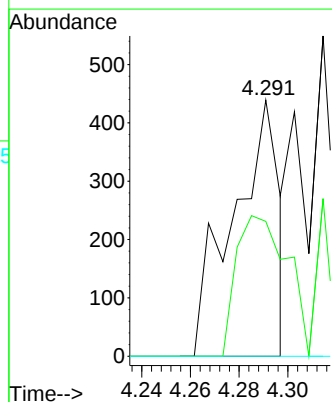
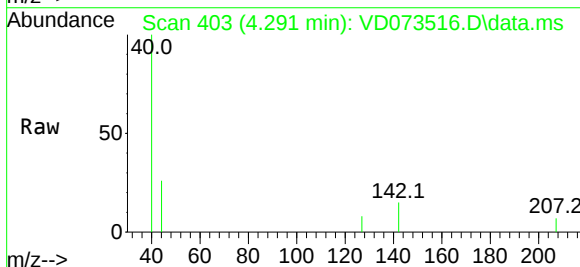
Instrument :
MSVOA_D
ClientSampleId :

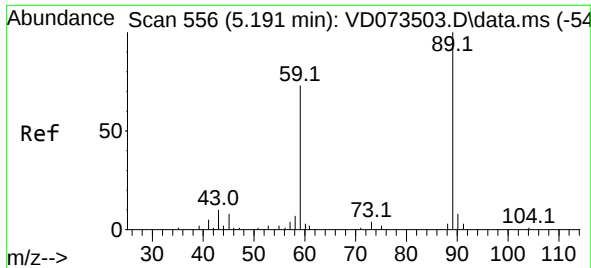
Tgt Ion:168 Resp: 311244
Ion Ratio Lower Upper
168 100
99 57.6 49.8 74.6



#10
Methyl Iodide
Concen: 4.311 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD073516.D
Acq: 09 Jun 2022 19:16

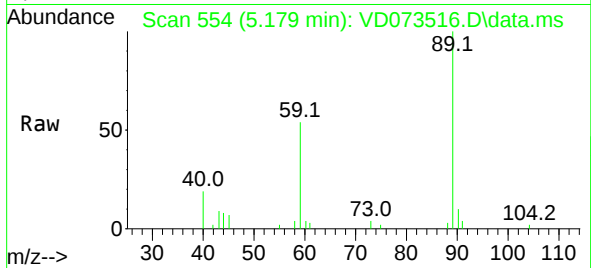
Tgt Ion:142 Resp: 580
Ion Ratio Lower Upper
142 100
127 60.5 37.3 55.9#
141 0.0 11.7 17.5#



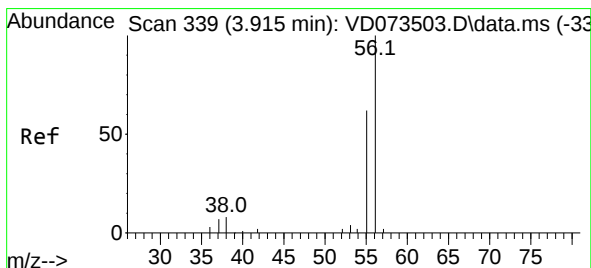
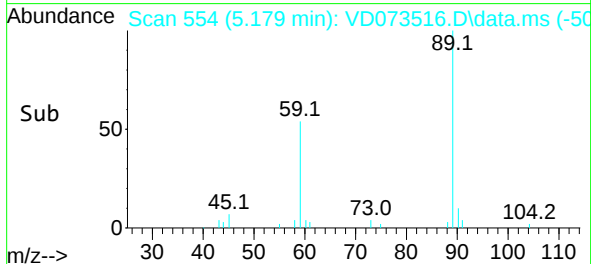
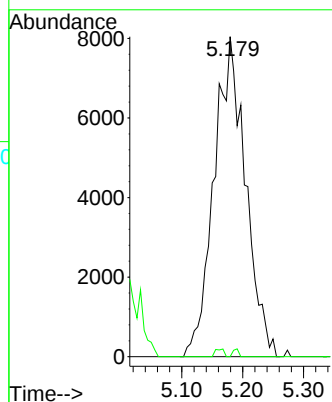


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.179 min Scan# 51
Delta R.T. -0.012 min
Lab File: VD073516.D
Acq: 09 Jun 2022 19:16

Instrument :
MSVOA_D
ClientSampleId :

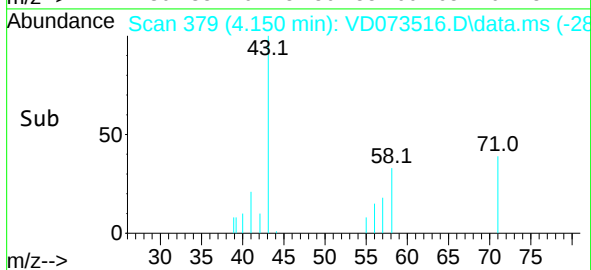
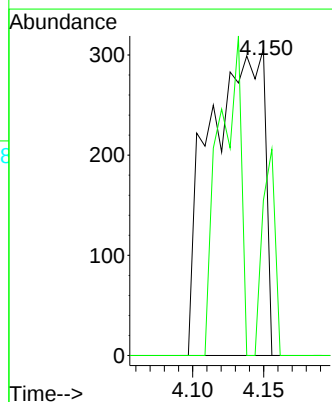
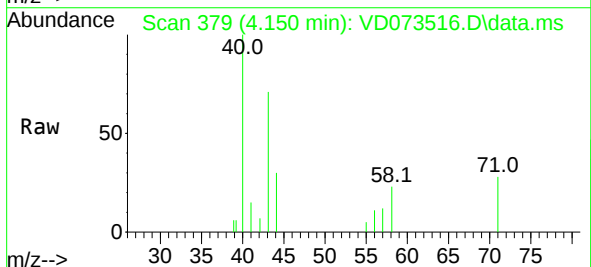


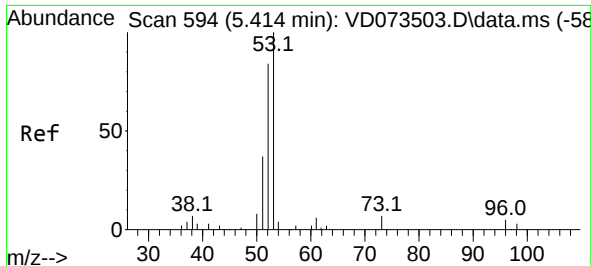
Tgt Ion: 59 Resp: 28820
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#13
Acrolein
Concen: 5.567 ug/l
RT: 4.150 min Scan# 379
Delta R.T. 0.235 min
Lab File: VD073516.D
Acq: 09 Jun 2022 19:16

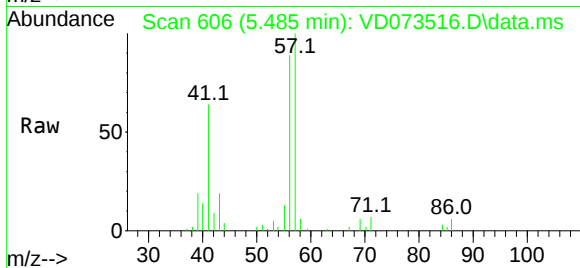
Tgt Ion: 56 Resp: 819
Ion Ratio Lower Upper
56 100
55 15.5 57.1 85.7#



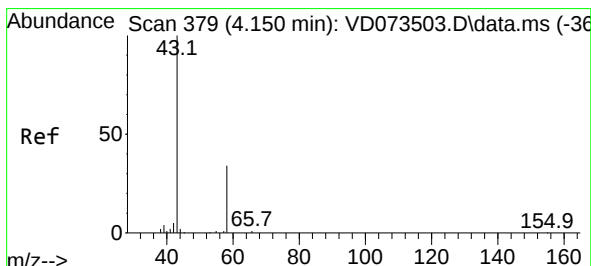
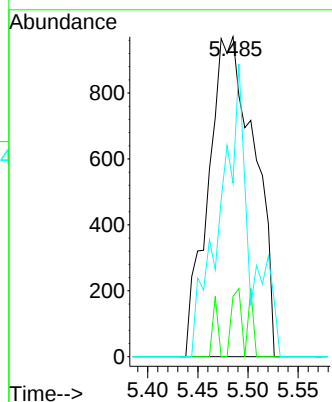
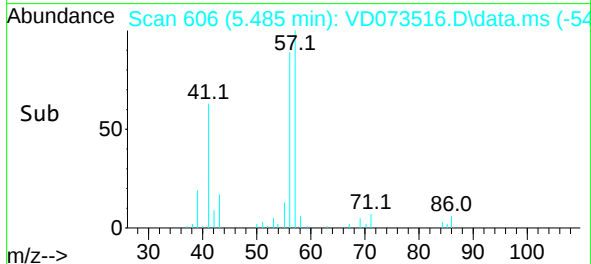


#15
Acrylonitrile
Concen: 4.317 ug/l
RT: 5.485 min Scan# 60
Delta R.T. 0.071 min
Lab File: VD073516.D
Acq: 09 Jun 2022 19:16

Instrument :
MSVOA_D
ClientSampleId :

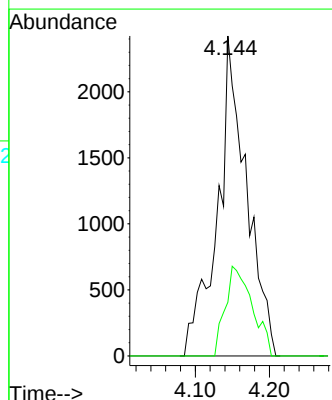
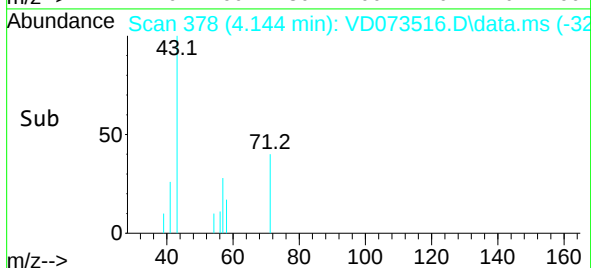
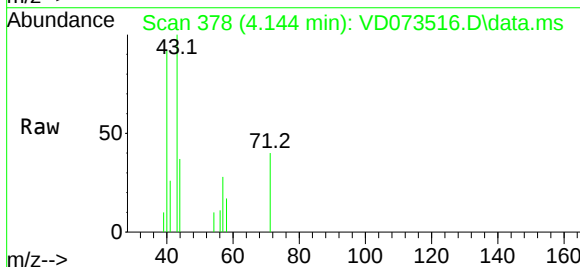


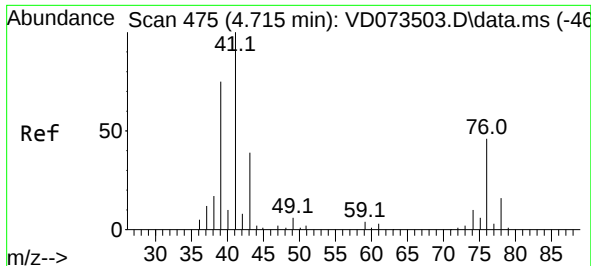
Tgt Ion: 53 Resp: 3103
Ion Ratio Lower Upper
53 100
52 6.8 67.2 100.8#
51 54.3 30.3 45.5#



#16
Acetone
Concen: 11.256 ug/l
RT: 4.144 min Scan# 378
Delta R.T. -0.006 min
Lab File: VD073516.D
Acq: 09 Jun 2022 19:16

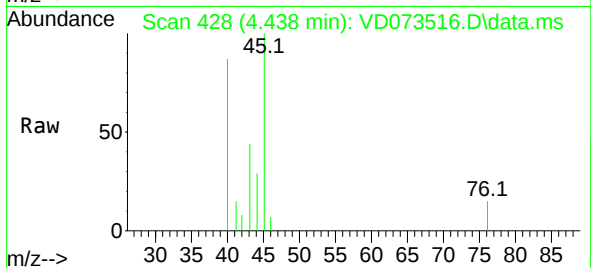
Tgt Ion: 43 Resp: 6620
Ion Ratio Lower Upper
43 100
58 16.8 22.1 33.1#



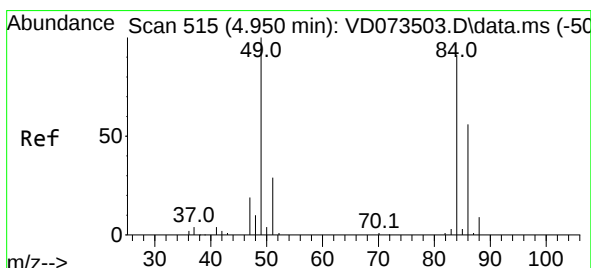
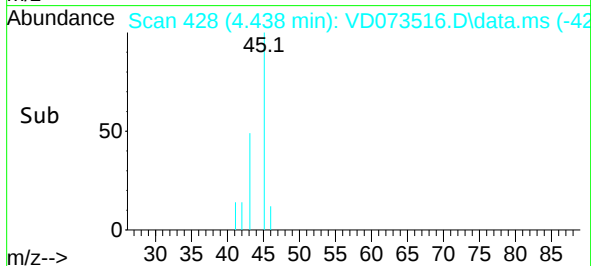
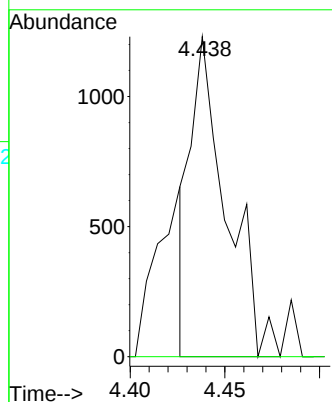


#18
Methyl Acetate
Concen: 2.314 ug/l
RT: 4.438 min Scan# 41
Delta R.T. -0.277 min
Lab File: VD073516.D
Acq: 09 Jun 2022 19:16

Instrument :
MSVOA_D
ClientSampleId :

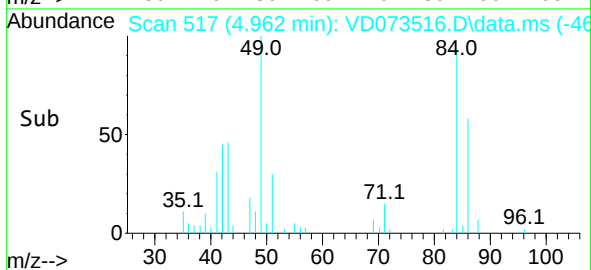
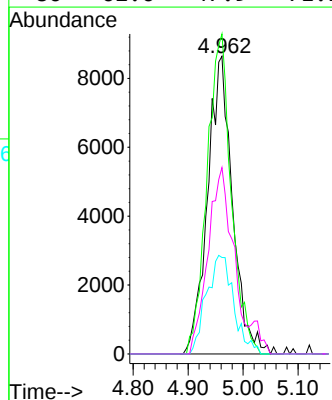
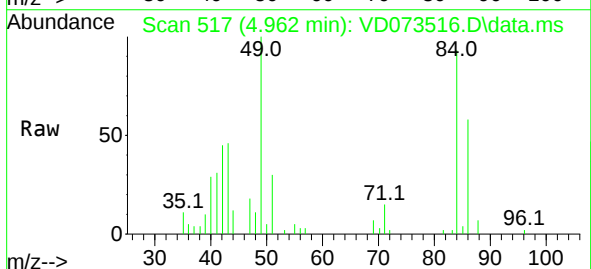


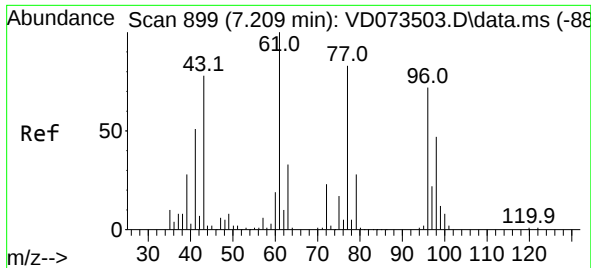
Tgt Ion: 43 Resp: 1611
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 4.419 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.012 min
Lab File: VD073516.D
Acq: 09 Jun 2022 19:16

Tgt Ion: 84 Resp: 27261
Ion Ratio Lower Upper
84 100
49 107.4 112.8 169.2#
51 32.4 32.6 48.8#
86 62.6 47.9 71.9

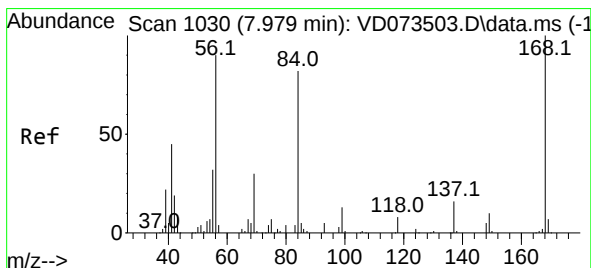
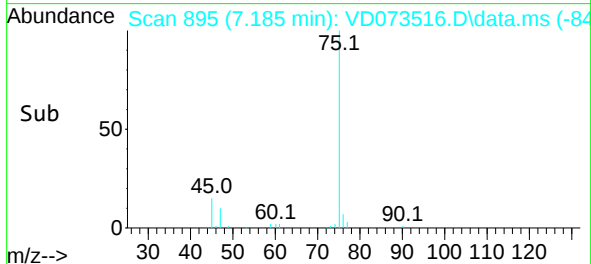
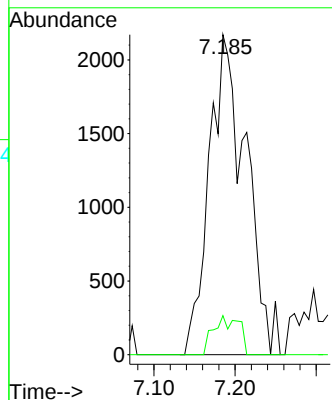
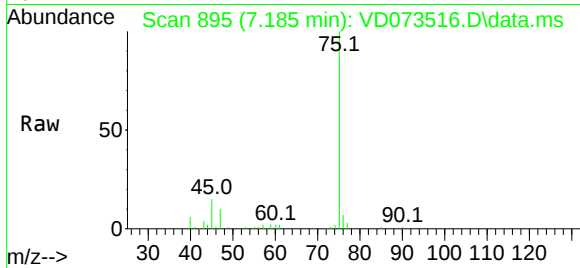




#25
2-Butanone
Concen: 7.914 ug/l
RT: 7.185 min Scan# 899
Delta R.T. -0.024 min
Lab File: VD073516.D
Acq: 09 Jun 2022 19:16

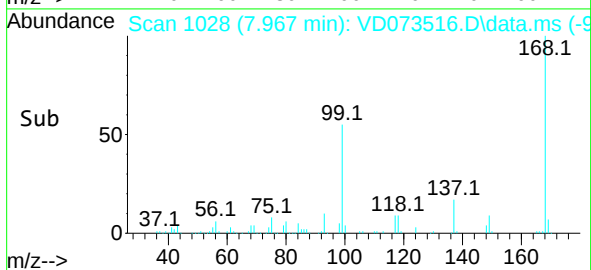
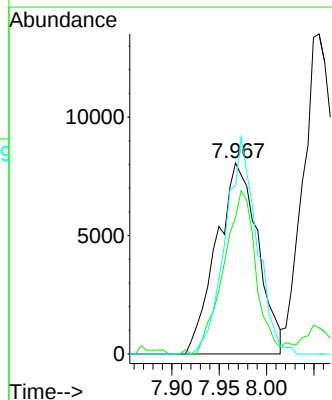
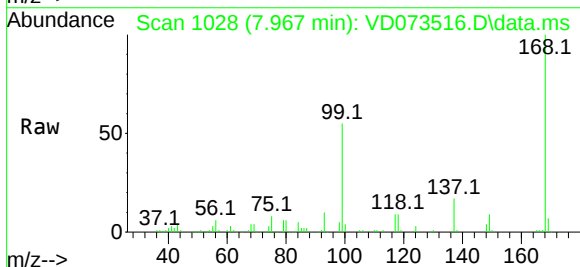
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MSVOA_D
ClientSampleId :

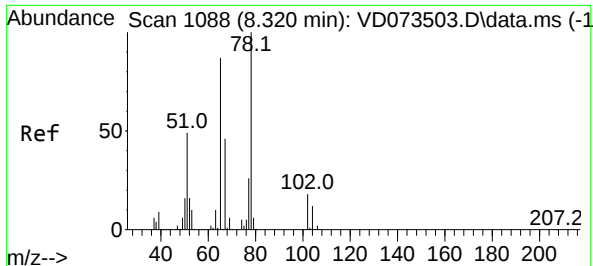
Tgt Ion: 43 Resp: 6848
Ion Ratio Lower Upper
43 100
72 12.2 18.6 27.8#



#31
Cyclohexane
Concen: 4.359 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD073516.D
Acq: 09 Jun 2022 19:16

Tgt Ion: 56 Resp: 24524
Ion Ratio Lower Upper
56 100
69 71.4 25.4 38.2#
84 88.2 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 47.119 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD073516.D

Acq: 09 Jun 2022 19:16

Instrument :

MSVOA_D

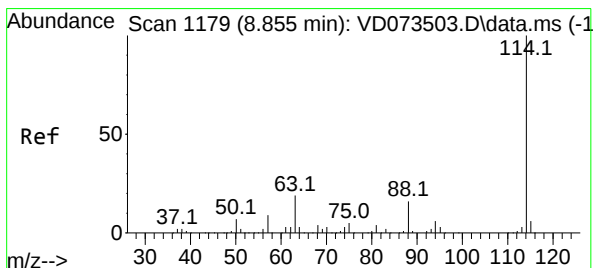
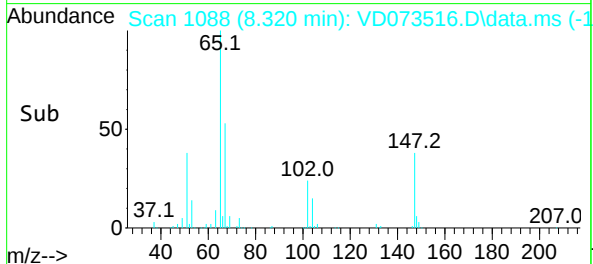
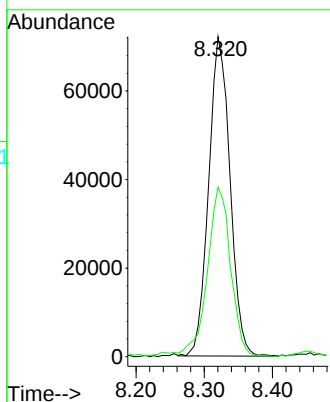
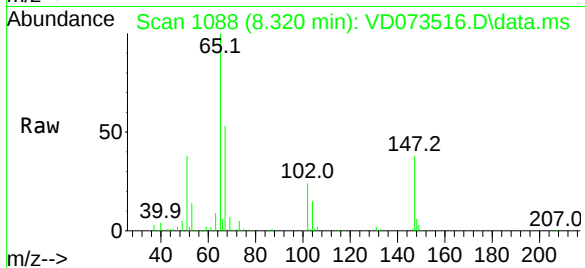
ClientSampleId :

Tgt Ion: 65 Resp: 157381

Ion Ratio Lower Upper

65 100

67 57.7 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: VD073516.D

Acq: 09 Jun 2022 19:16

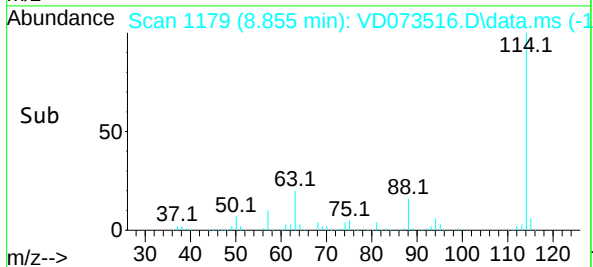
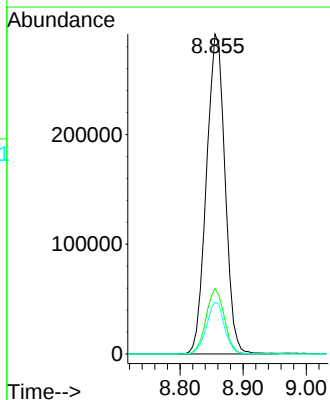
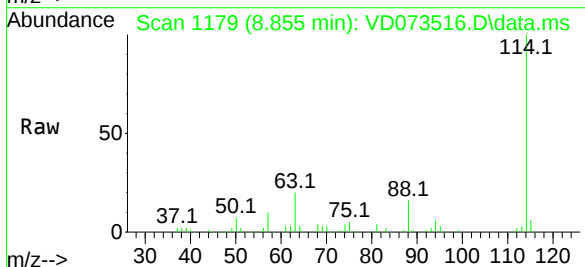
Tgt Ion: 114 Resp: 596965

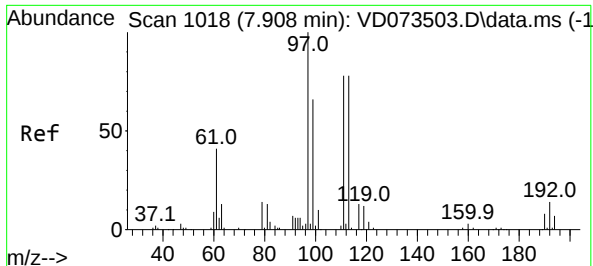
Ion Ratio Lower Upper

114 100

63 20.5 0.0 46.6

88 16.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.812 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

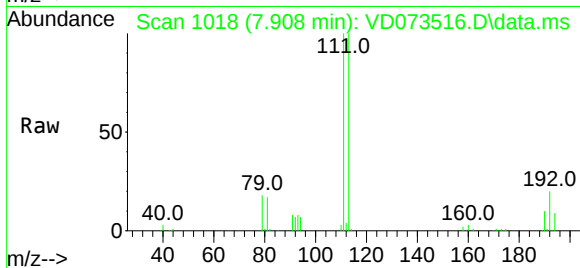
Lab File: VD073516.D

Acq: 09 Jun 2022 19:16

Instrument :

MSVOA_D

ClientSampleId :



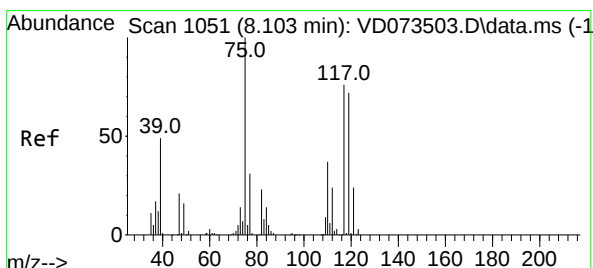
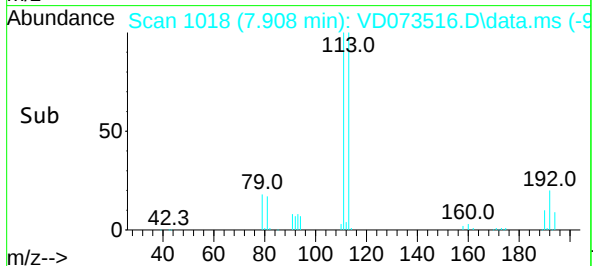
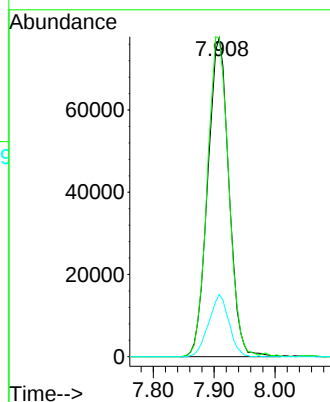
Tgt Ion:113 Resp: 187376

Ion Ratio Lower Upper

113 100

111 101.1 83.8 125.6

192 18.6 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.458 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.130 min

Lab File: VD073516.D

Acq: 09 Jun 2022 19:16

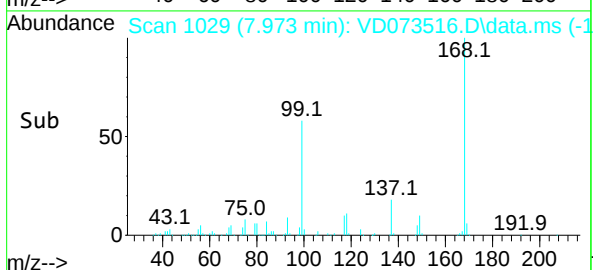
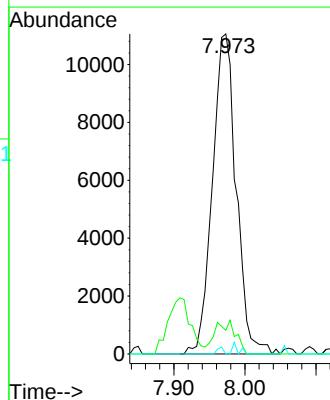
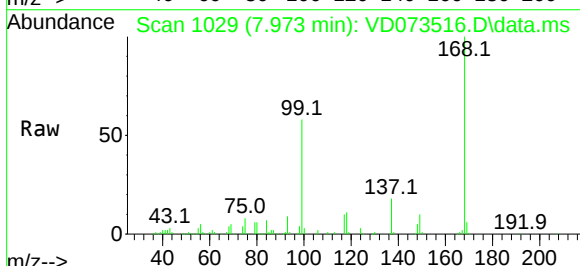
Tgt Ion: 75 Resp: 25704

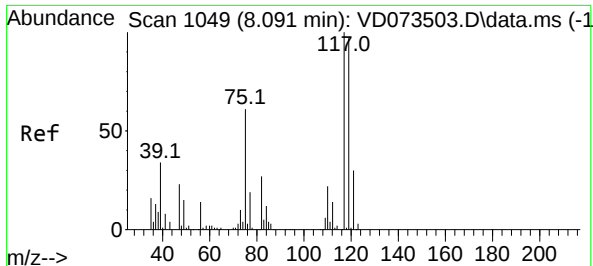
Ion Ratio Lower Upper

75 100

110 9.0 16.4 49.1#

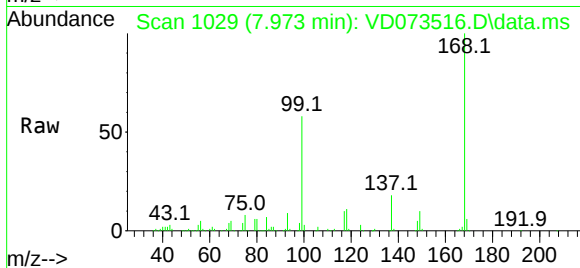
77 0.8 24.2 36.2#



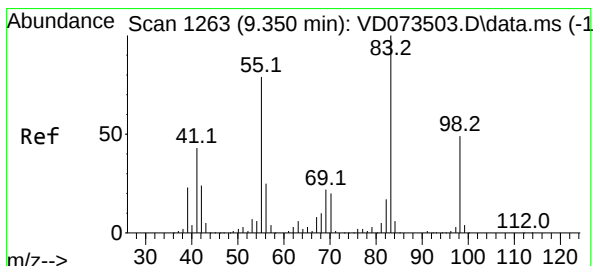
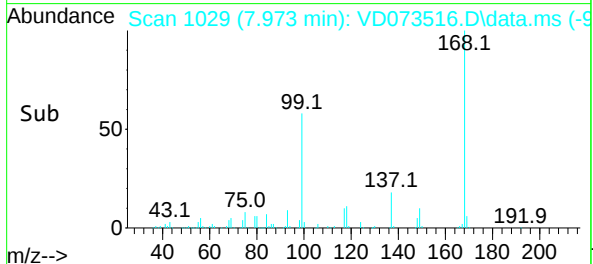
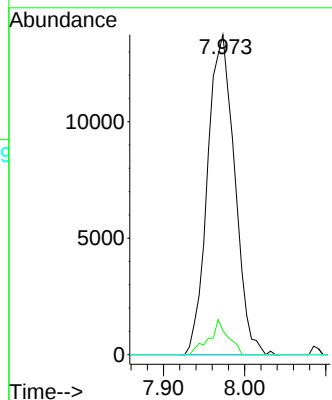


#38
Carbon Tetrachloride
Concen: 5.293 ug/l
RT: 7.973 min Scan# 1049
Delta R.T. -0.118 min
Lab File: VD073516.D
Acq: 09 Jun 2022 19:16

Instrument :
MSVOA_D
ClientSampleId :

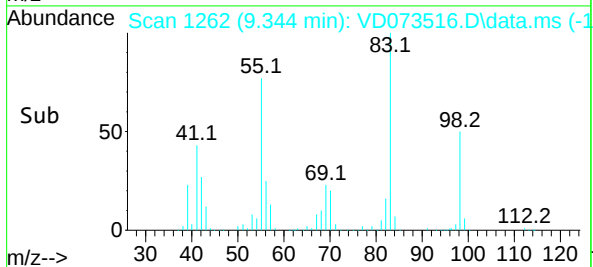
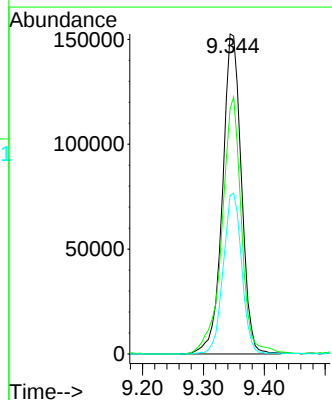
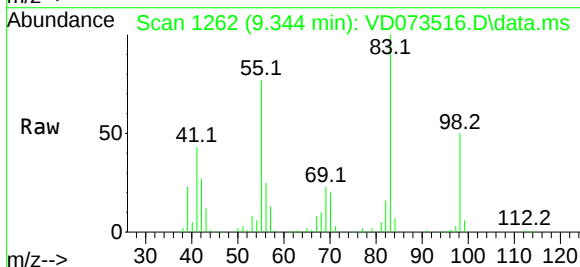


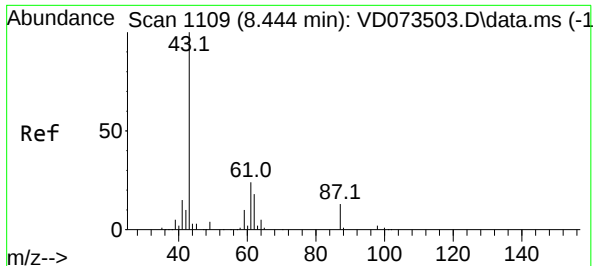
Tgt Ion:117 Resp: 31921
Ion Ratio Lower Upper
117 100
119 7.4 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 48.979 ug/l
RT: 9.344 min Scan# 1262
Delta R.T. -0.006 min
Lab File: VD073516.D
Acq: 09 Jun 2022 19:16

Tgt Ion: 83 Resp: 329075
Ion Ratio Lower Upper
83 100
55 76.7 63.2 94.8
98 49.6 38.2 57.4





#43

Isopropyl Acetate

Concen: 3.868 ug/l

RT: 8.438 min Scan# 1109

Delta R.T. -0.006 min

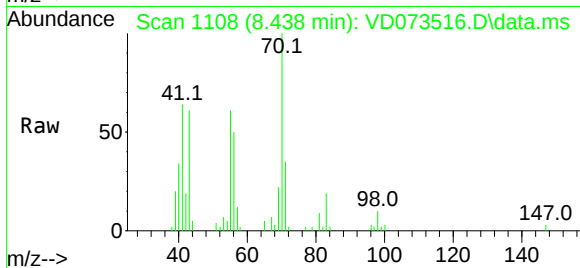
Lab File: VD073516.D

Acq: 09 Jun 2022 19:16

Instrument :

MSVOA_D

ClientSampleId :



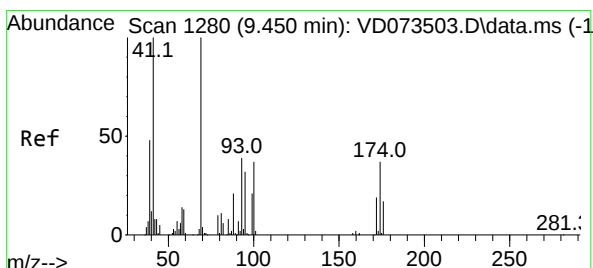
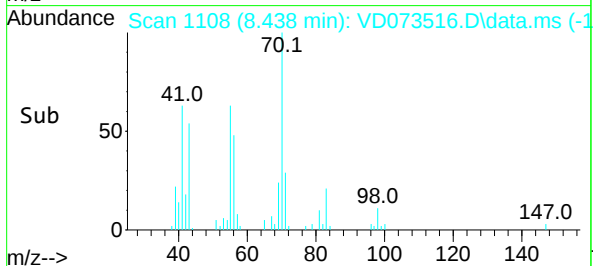
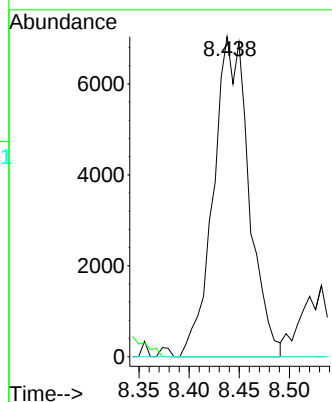
Tgt Ion: 43 Resp: 17331

Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

87 0.0 8.7 13.1#



#48

Methyl methacrylate

Concen: 3.140 ug/l

RT: 9.532 min Scan# 1294

Delta R.T. 0.082 min

Lab File: VD073516.D

Acq: 09 Jun 2022 19:16

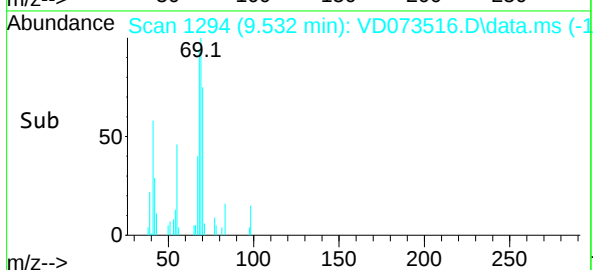
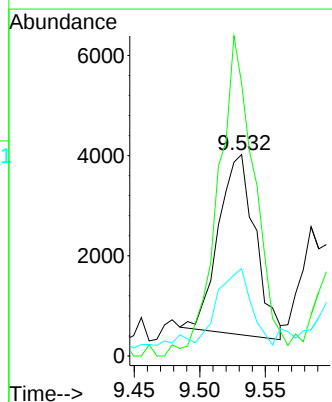
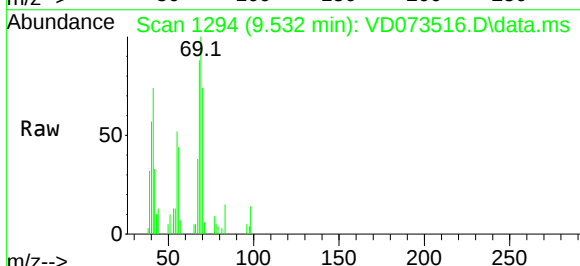
Tgt Ion: 41 Resp: 6970

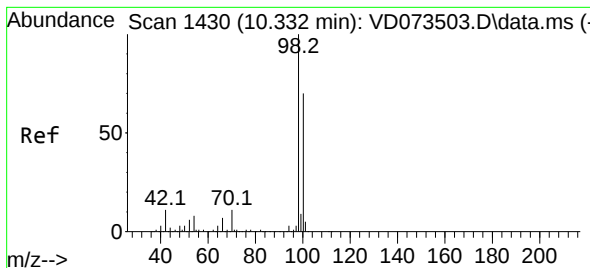
Ion Ratio Lower Upper

41 100

69 177.8 56.7 85.1#

39 38.4 42.7 64.1#





#50

Toluene-d8

Concen: 54.529 ug/l

RT: 10.332 min Scan# 14

Delta R.T. -0.000 min

Lab File: VD073516.D

Acq: 09 Jun 2022 19:16

Instrument :

MSVOA_D

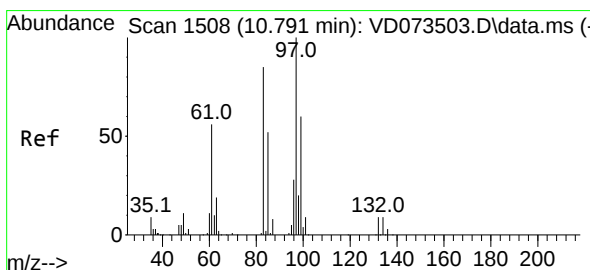
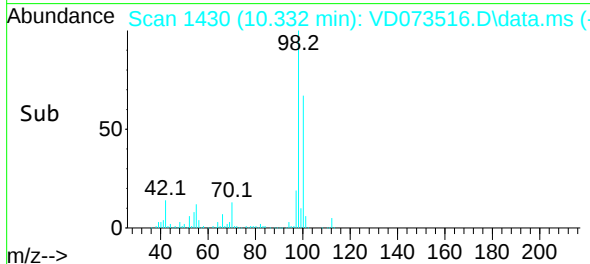
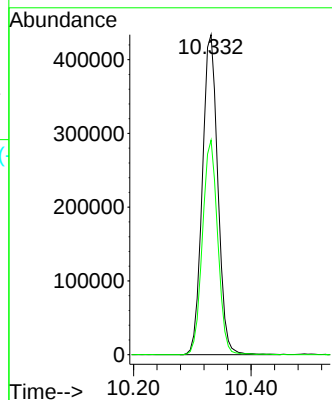
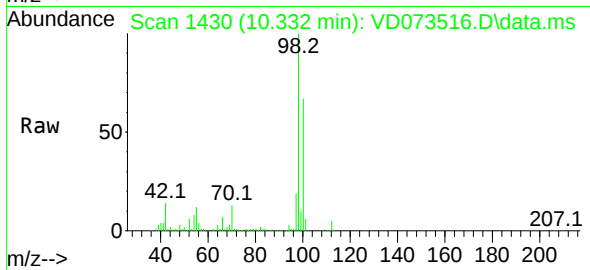
ClientSampleId :

Tgt Ion: 98 Resp: 791425

Ion Ratio Lower Upper

98 100

100 66.1 52.4 78.6



#55

1,1,2-Trichloroethane

Concen: 8.387 ug/l

RT: 10.761 min Scan# 1503

Delta R.T. -0.030 min

Lab File: VD073516.D

Acq: 09 Jun 2022 19:16

Tgt Ion: 97 Resp: 27994

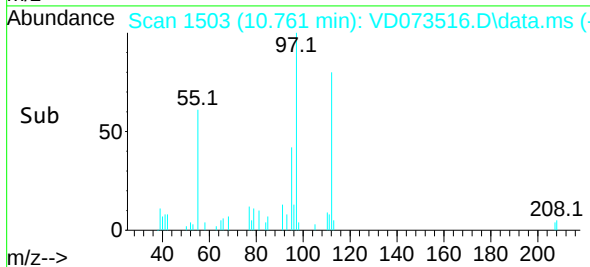
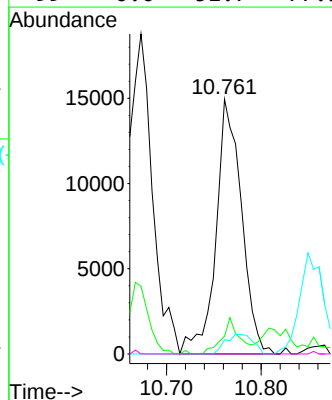
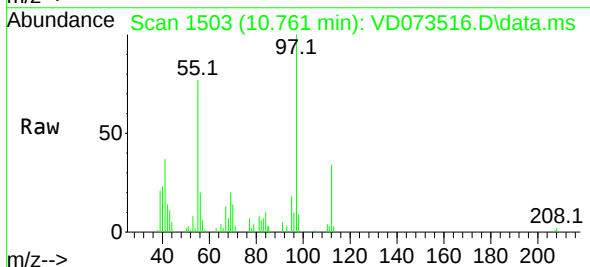
Ion Ratio Lower Upper

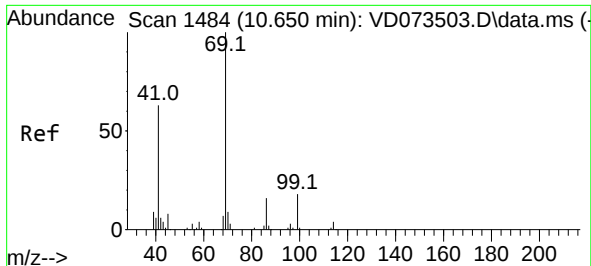
97 100

83 7.0 69.0 103.4#

85 5.6 42.6 63.8#

99 0.0 51.7 77.5#

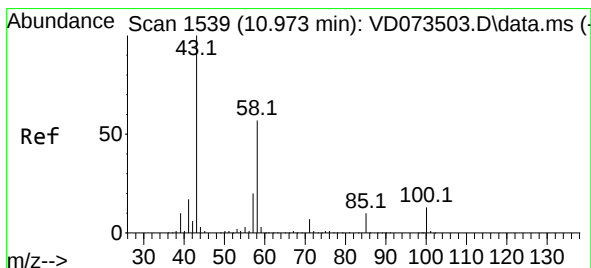
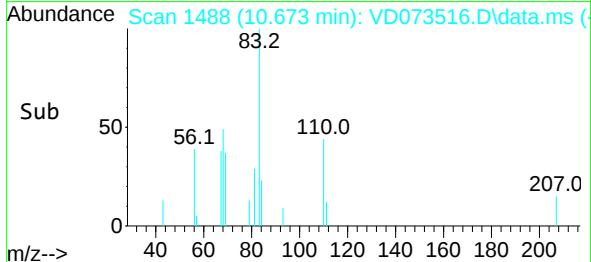
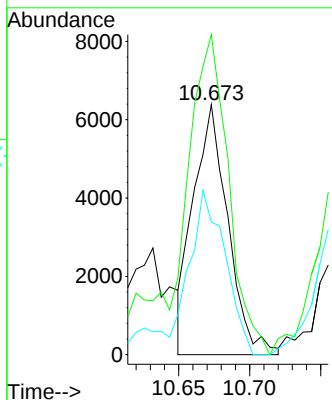
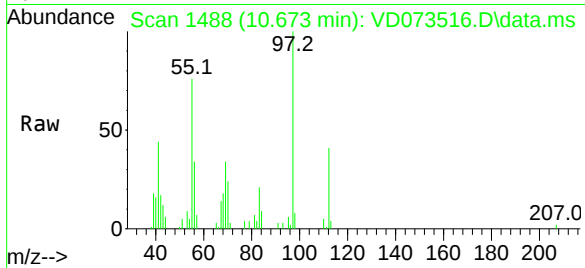




#56
Ethyl methacrylate
Concen: 2.836 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.023 min
Lab File: VD073516.D
Acq: 09 Jun 2022 19:16

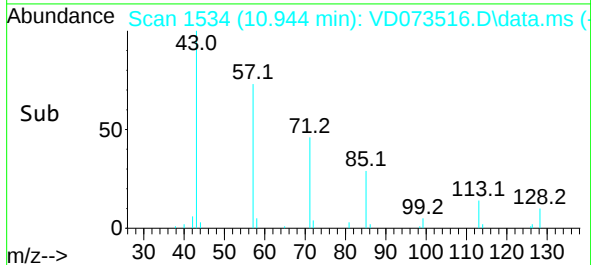
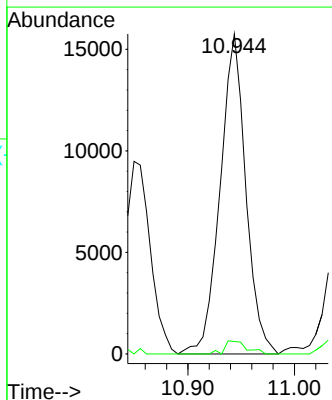
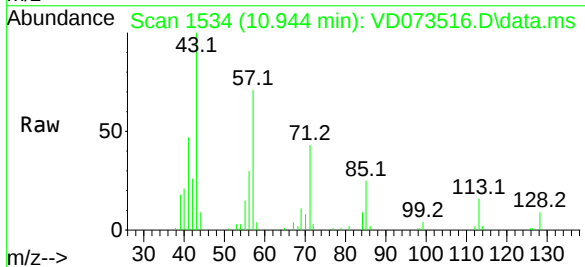
Instrument :
MSVOA_D
ClientSampleId :

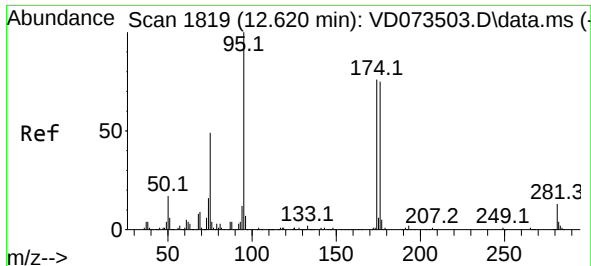
Tgt Ion: 69 Resp: 10846
Ion Ratio Lower Upper
69 100
41 144.0 63.0 94.6#
39 67.4 33.8 50.8#



#59
2-Hexanone
Concen: 16.973 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. -0.029 min
Lab File: VD073516.D
Acq: 09 Jun 2022 19:16

Tgt Ion: 43 Resp: 26354
Ion Ratio Lower Upper
43 100
58 3.5 25.3 75.9#

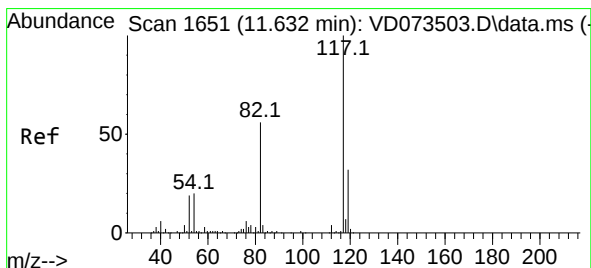
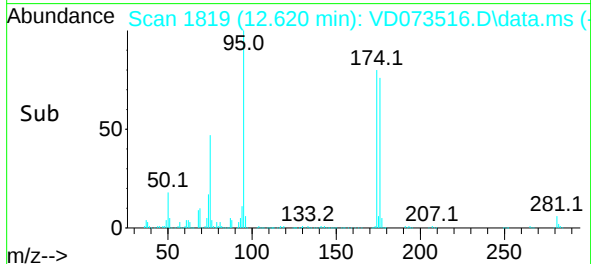
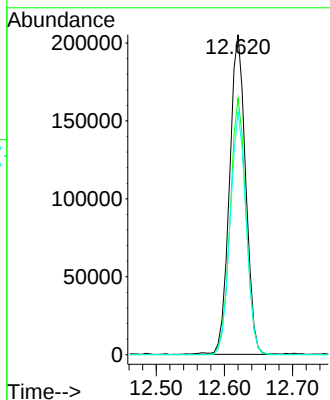
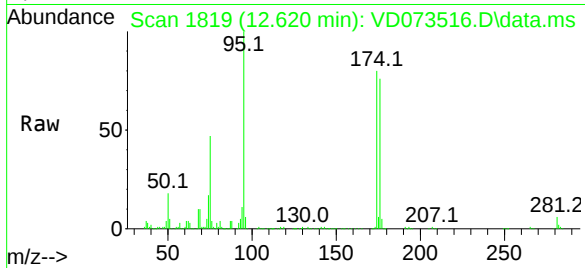




#62
4-Bromofluorobenzene
Concen: 64.123 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073516.D
Acq: 09 Jun 2022 19:16

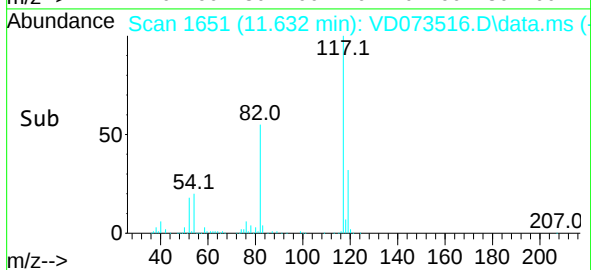
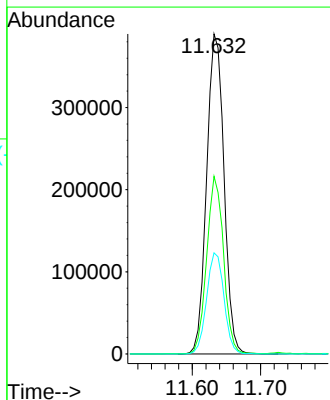
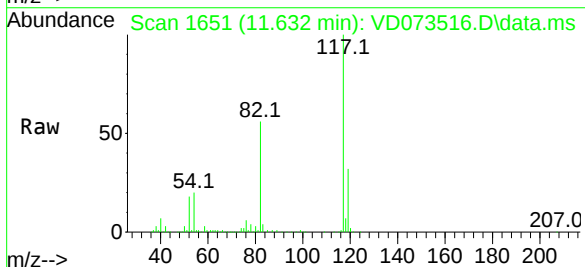
Instrument :
MSVOA_D
ClientSampleId :

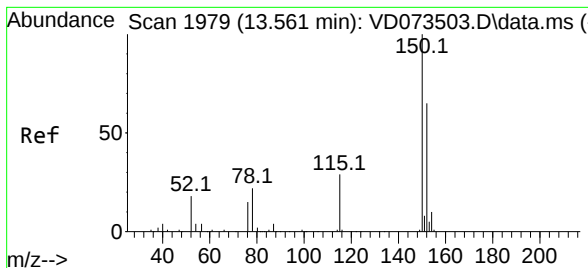
Tgt Ion: 95 Resp: 337855
Ion Ratio Lower Upper
95 100
174 78.8 0.0 152.8
176 74.9 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073516.D
Acq: 09 Jun 2022 19:16

Tgt Ion: 117 Resp: 689895
Ion Ratio Lower Upper
117 100
82 55.5 45.3 67.9
119 31.6 26.6 40.0

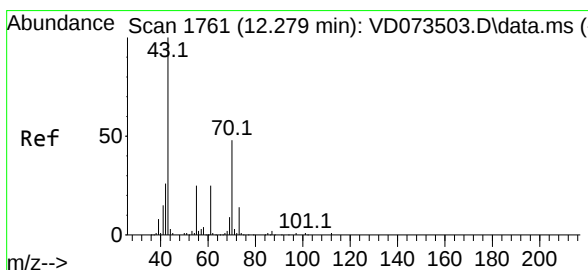
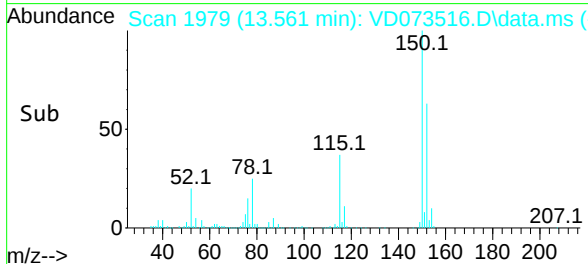
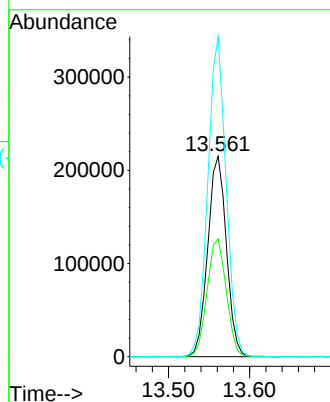
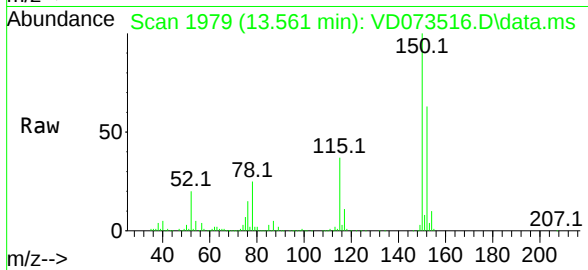




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1799
Delta R.T. 0.000 min
Lab File: VD073516.D
Acq: 09 Jun 2022 19:16

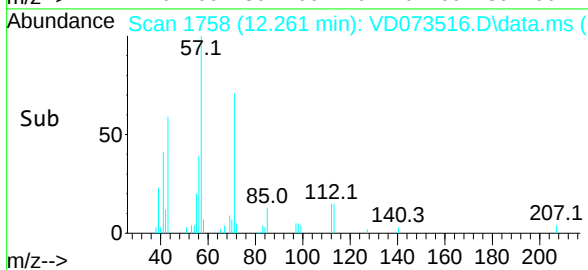
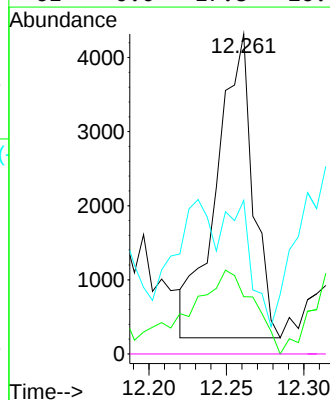
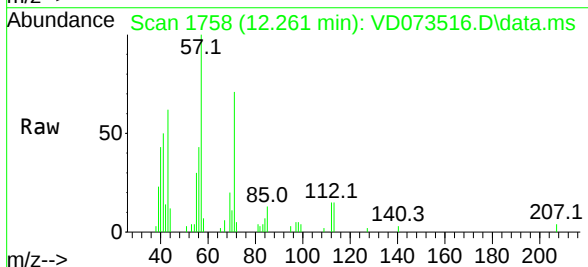
Instrument :
MSVOA_D
ClientSampleId :

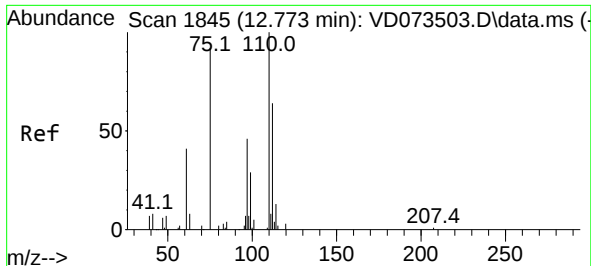
Tgt Ion:152 Resp: 343196
Ion Ratio Lower Upper
152 100
115 60.4 31.3 93.8
150 156.3 0.0 348.6



#74
N-ethyl acetate
Concen: 1.265 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD073516.D
Acq: 09 Jun 2022 19:16

Tgt Ion: 43 Resp: 6693
Ion Ratio Lower Upper
43 100
70 48.6 31.3 46.9#
55 29.7 20.0 30.0
61 0.0 17.8 26.8#

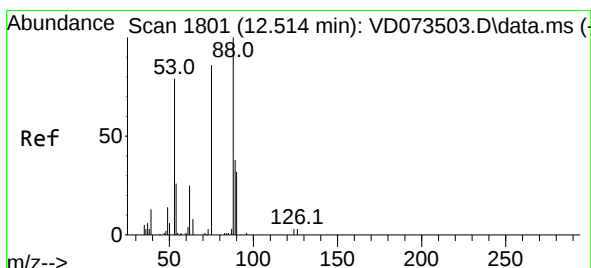
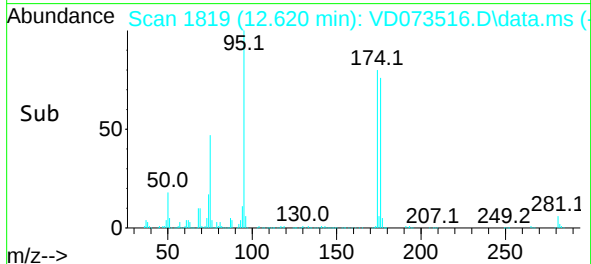
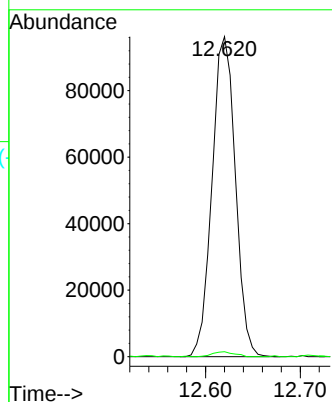
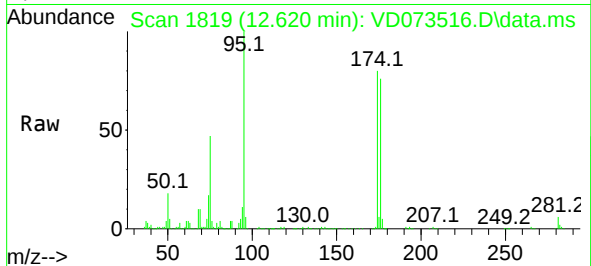




#76
1,2,3-Trichloropropane
Concen: 49.341 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD073516.D
Acq: 09 Jun 2022 19:16

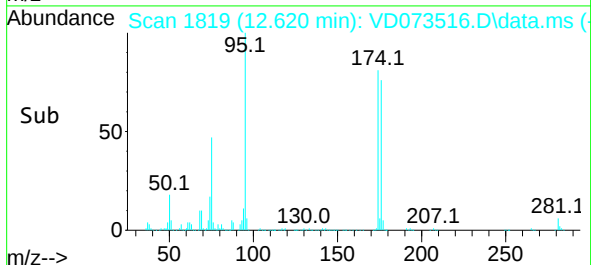
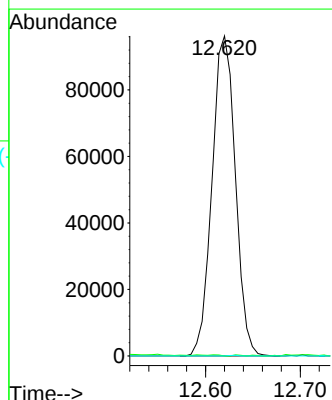
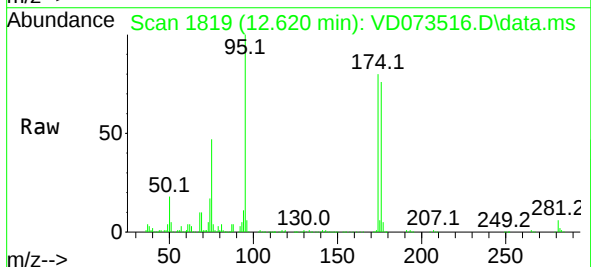
Instrument :
MSVOA_D
ClientSampleId :

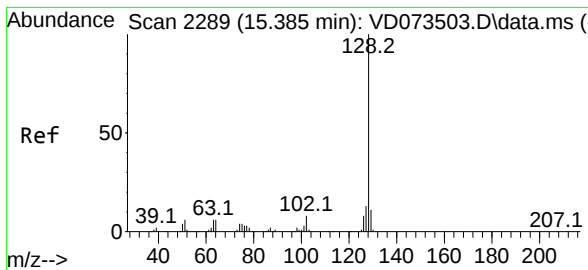
Tgt Ion: 75 Resp: 164503
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.811 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073516.D
Acq: 09 Jun 2022 19:16

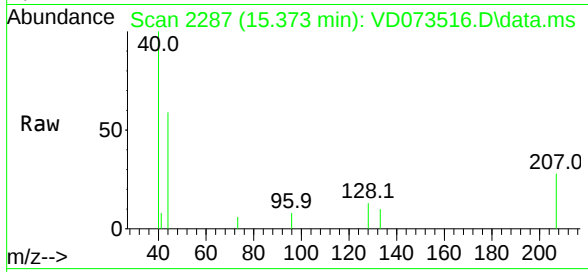
Tgt Ion: 75 Resp: 164503
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.1 33.9 50.9#





#95
 Naphthalene
 Concen: 4.239 ug/l
 RT: 15.373 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VD073516.D
 Acq: 09 Jun 2022 19:16

Instrument :
 MSVOA_D
 ClientSampleId :



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

