

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060122\
 Data File : VD073445.D
 Acq On : 01 Jun 2022 13:52
 Operator : VA/SY
 Sample : N3107-03
 Misc : 4.70G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MS-6

Quant Time: Jun 02 04:08:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

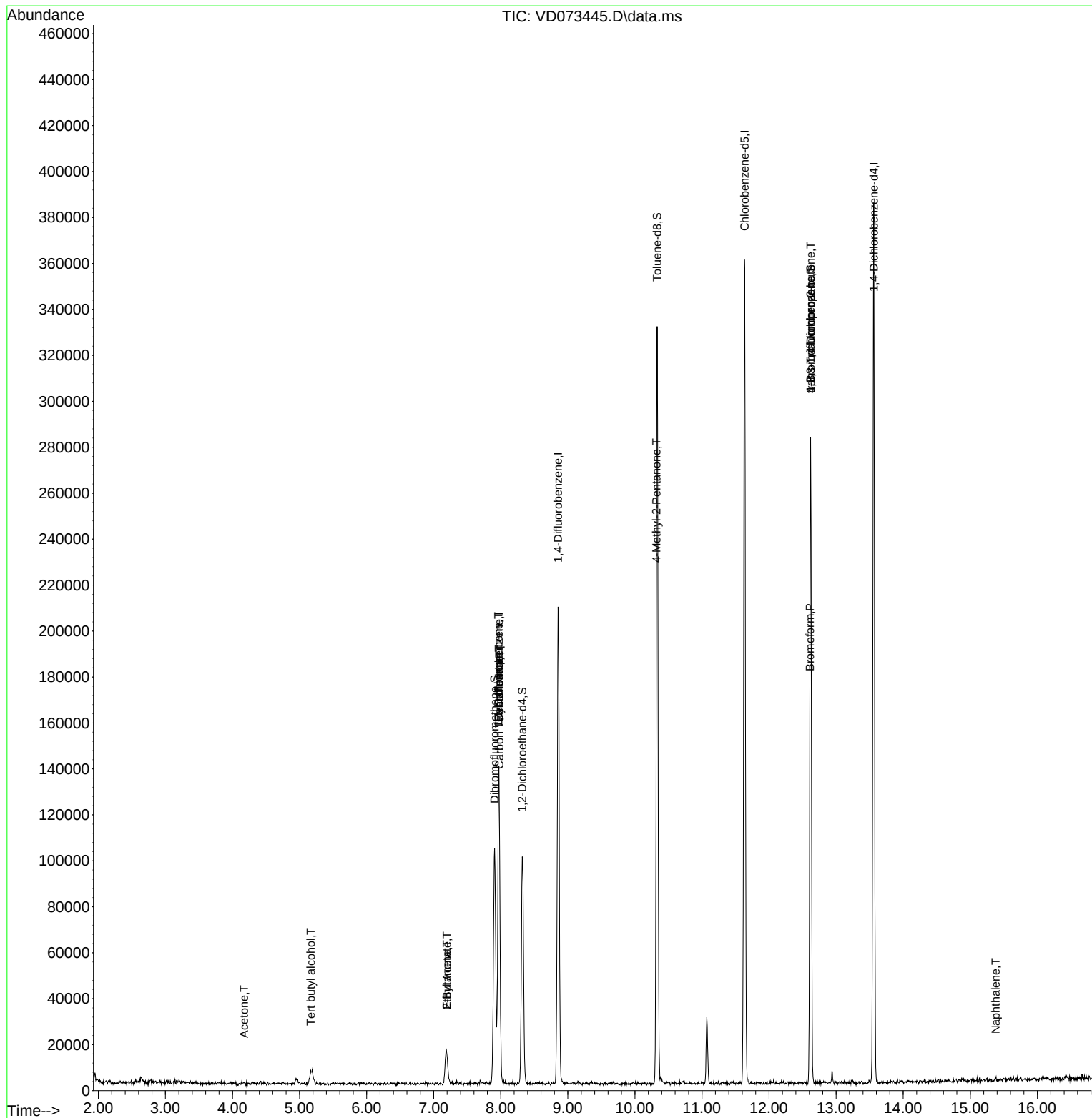
Internal Standards						
1) Pentafluorobenzene	7.973	168	99129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	178527	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	213721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	101440	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	81185	74.107	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 148.220%			
35) Dibromofluoromethane	7.908	113	73833	62.674	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 125.340%			
50) Toluene-d8	10.332	98	223008	51.354	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.700%			
62) 4-Bromofluorobenzene	12.620	95	93616	61.429	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 122.860%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	1056	Below Cal	#	64
11) Tert butyl alcohol	5.167	59	3035	17.856	ug/l #	74
16) Acetone	4.173	43	205	1.080	ug/l #	47
20) Methylene Chloride	4.961	84	1051	Below Cal	#	54
25) 2-Butanone	7.197	43	702	2.529	ug/l #	52
31) Cyclohexane	7.973	56	2857	1.492	ug/l #	55
36) 1,1-Dichloropropene	7.967	75	7502	4.234	ug/l #	51
37) Ethyl Acetate	7.197	43	702	1.003	ug/l #	1
38) Carbon Tetrachloride	7.979	117	10573	5.887	ug/l #	13
51) 4-Methyl-2-Pentanone	10.320	43	920	1.369	ug/l #	1
71) Bromoform	12.608	173	906	1.083	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	47579	47.804	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	47579	114.762	ug/l #	7
95) Naphthalene	15.379	128	459	3.670	ug/l #	70

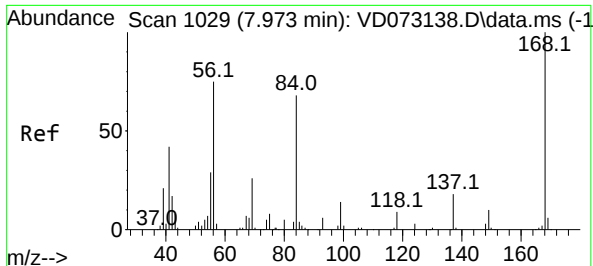
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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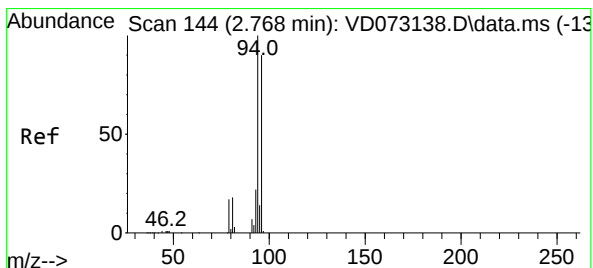
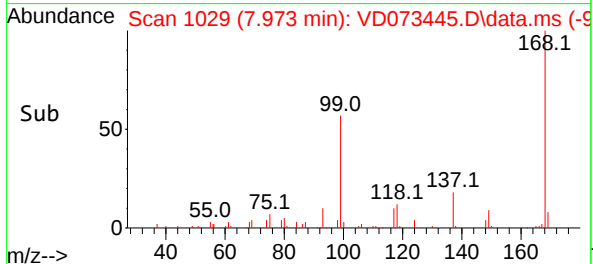
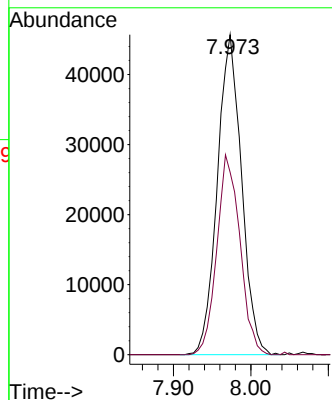
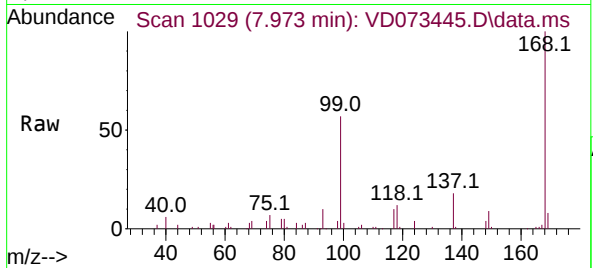




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073445.D
Acq: 01 Jun 2022 13:52

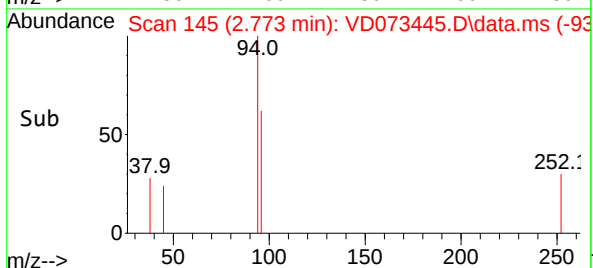
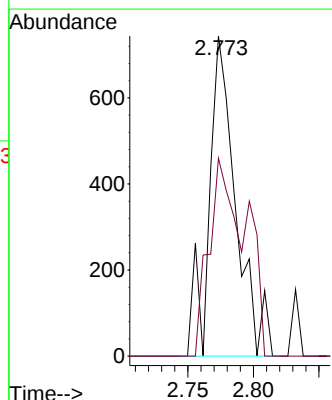
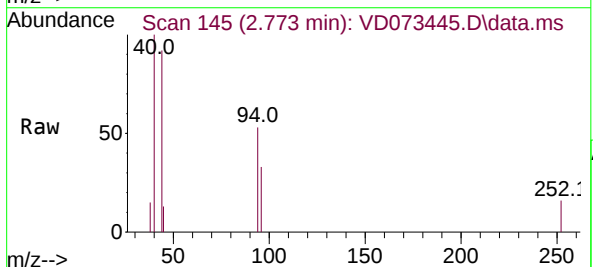
Instrument :
MSVOA_D
ClientSampleId :
MS-6

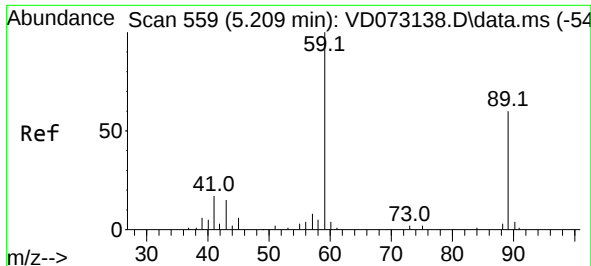
Tgt Ion:168 Resp: 99129
Ion Ratio Lower Upper
168 100
99 57.0 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD073445.D
Acq: 01 Jun 2022 13:52

Tgt Ion: 94 Resp: 1056
Ion Ratio Lower Upper
94 100
96 61.8 77.6 116.4#





#11

Tert butyl alcohol

Concen: 17.856 ug/l

RT: 5.167 min Scan# 51

Delta R.T. -0.042 min

Lab File: VD073445.D

Acq: 01 Jun 2022 13:52

Instrument :

MSVOA_D

ClientSampleId :

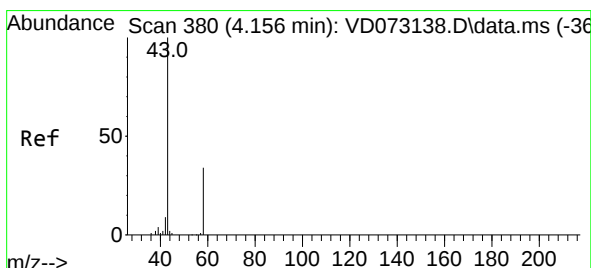
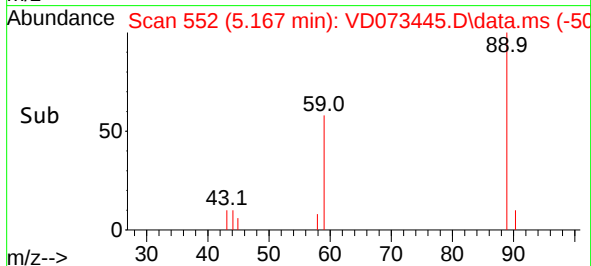
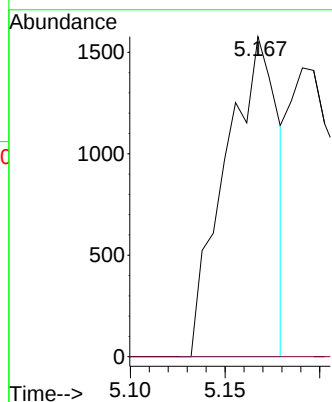
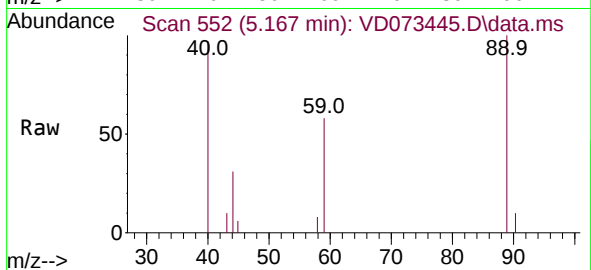
MS-6

Tgt Ion: 59 Resp: 3035

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 1.080 ug/l

RT: 4.173 min Scan# 383

Delta R.T. 0.017 min

Lab File: VD073445.D

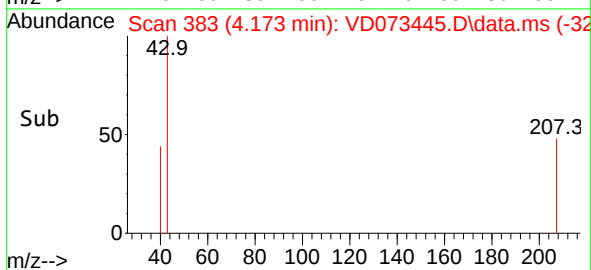
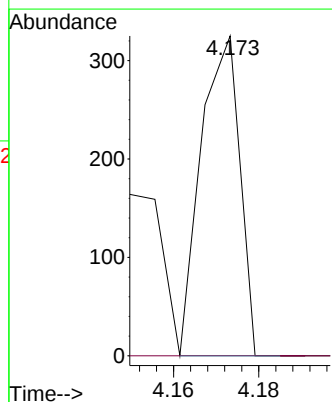
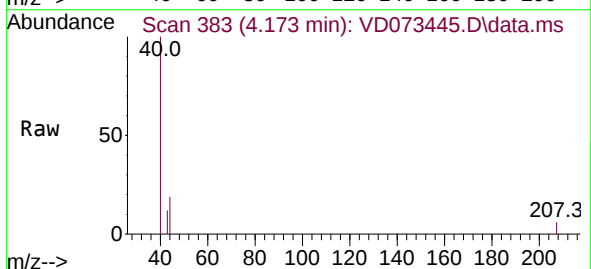
Acq: 01 Jun 2022 13:52

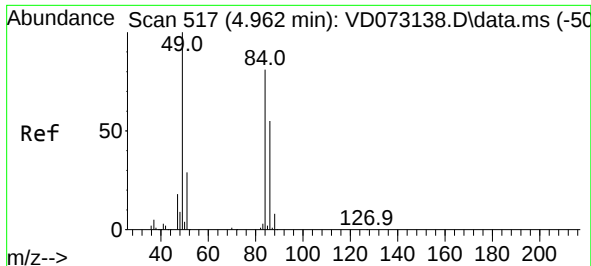
Tgt Ion: 43 Resp: 205

Ion Ratio Lower Upper

43 100

58 0.0 22.1 33.1#

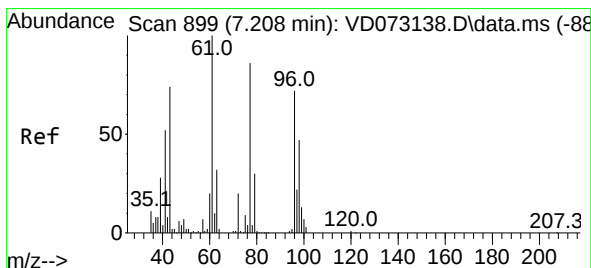
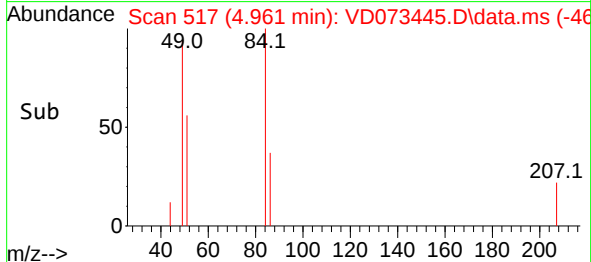
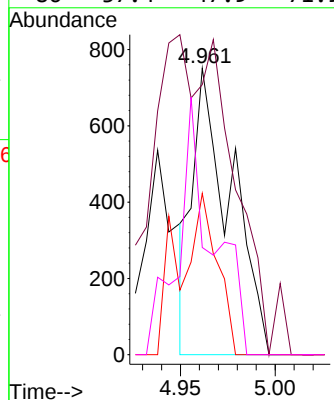
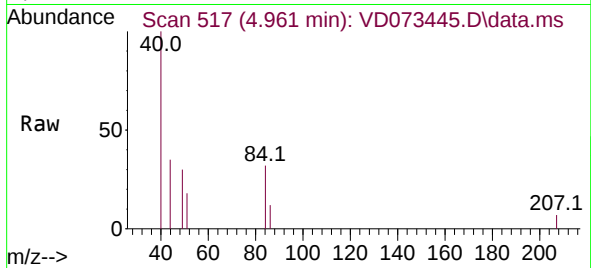




#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD073445.D
Acq: 01 Jun 2022 13:52

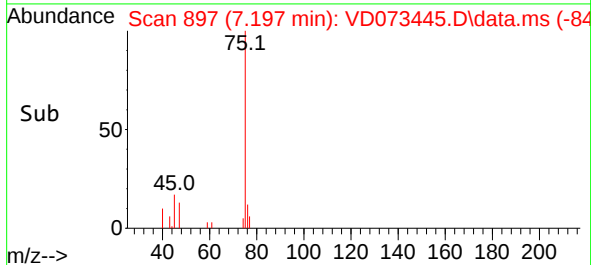
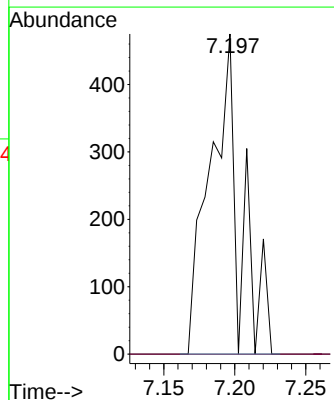
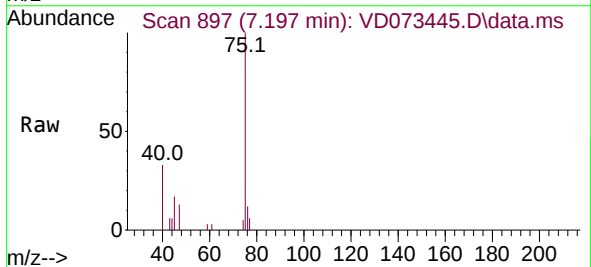
Instrument :
MSVOA_D
ClientSampleId :
MS-6

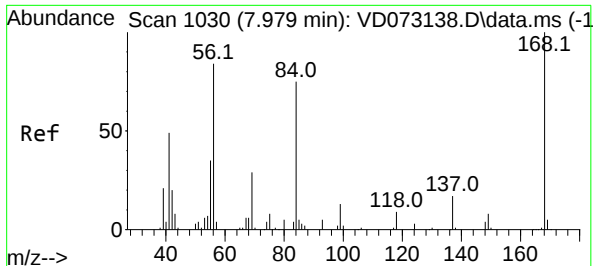
Tgt Ion: 84 Resp: 1051
Ion Ratio Lower Upper
84 100
49 69.4 112.8 169.2#
51 56.3 32.6 48.8#
86 37.4 47.9 71.9#



#25
2-Butanone
Concen: 2.529 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.011 min
Lab File: VD073445.D
Acq: 01 Jun 2022 13:52

Tgt Ion: 43 Resp: 702
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#





#31

Cyclohexane

Concen: 1.492 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073445.D

Acq: 01 Jun 2022 13:52

Instrument :

MSVOA_D

ClientSampleId :

MS-6

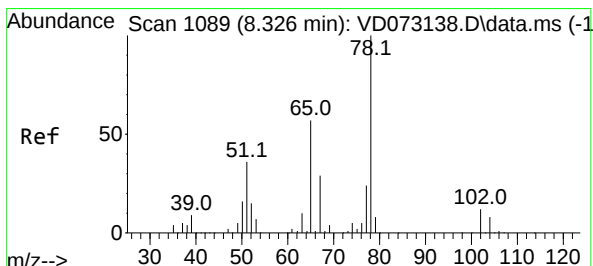
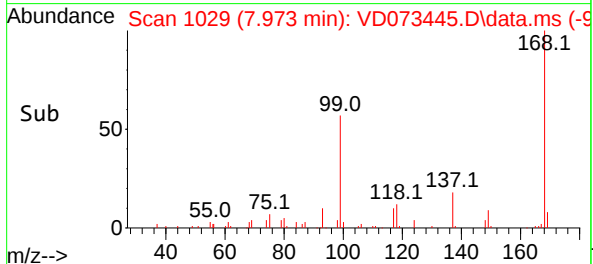
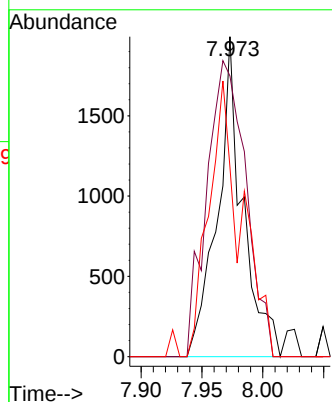
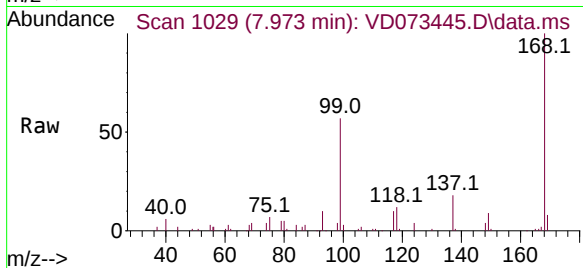
Tgt Ion: 56 Resp: 2857

Ion Ratio Lower Upper

56 100

69 87.7 25.4 38.2#

84 59.2 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 74.107 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD073445.D

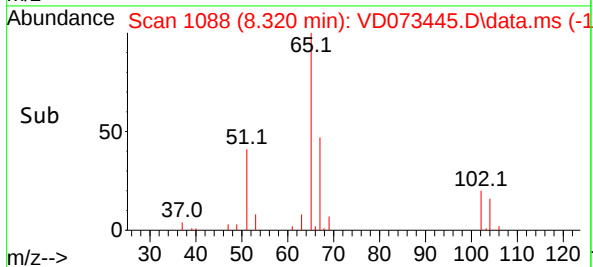
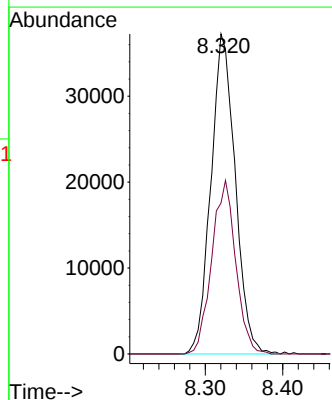
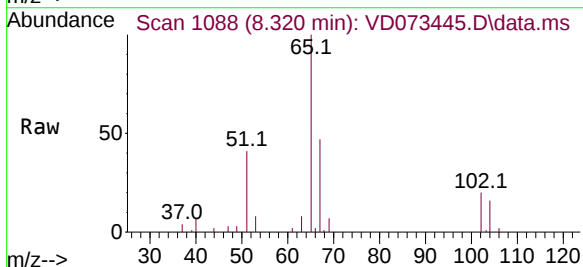
Acq: 01 Jun 2022 13:52

Tgt Ion: 65 Resp: 81185

Ion Ratio Lower Upper

65 100

67 53.3 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: VD073445.D

Acq: 01 Jun 2022 13:52

Instrument :

MSVOA_D

ClientSampleId :

MS-6

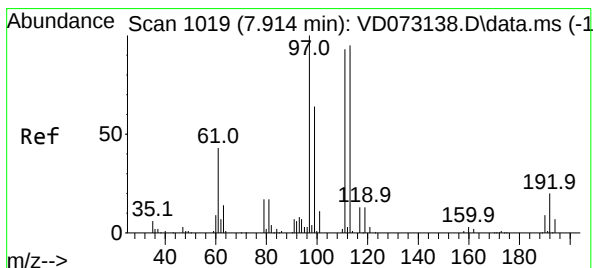
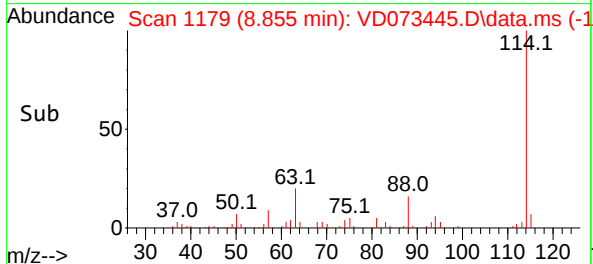
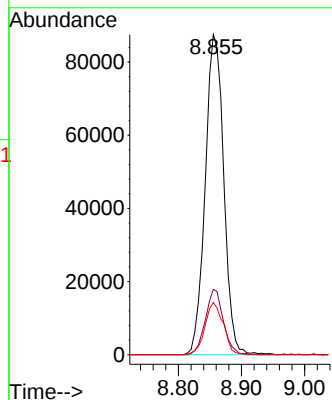
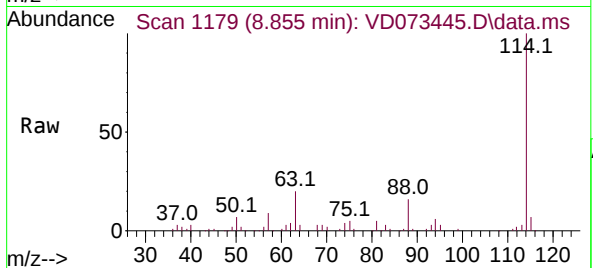
Tgt Ion:114 Resp: 178527

Ion Ratio Lower Upper

114 100

63 20.4 0.0 46.6

88 16.3 0.0 33.2



#35

Dibromofluoromethane

Concen: 62.674 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073445.D

Acq: 01 Jun 2022 13:52

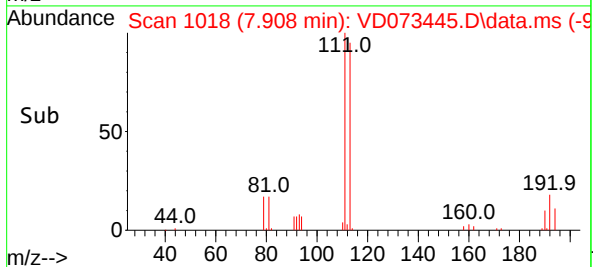
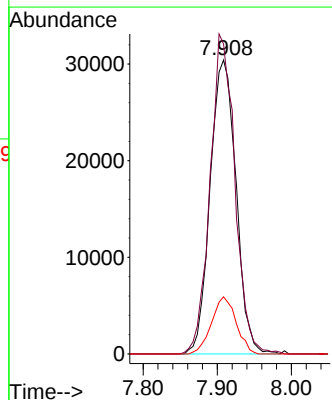
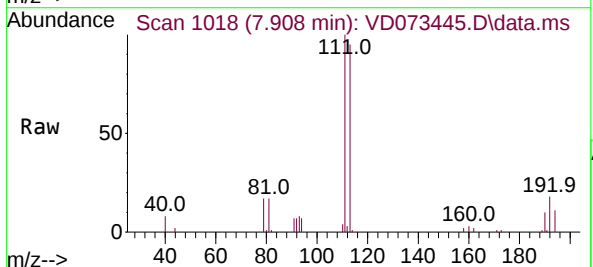
Tgt Ion:113 Resp: 73833

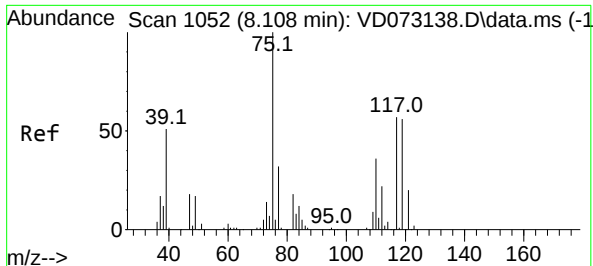
Ion Ratio Lower Upper

113 100

111 104.3 83.8 125.6

192 18.5 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.234 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073445.D

Acq: 01 Jun 2022 13:52

Instrument :

MSVOA_D

ClientSampleId :

MS-6

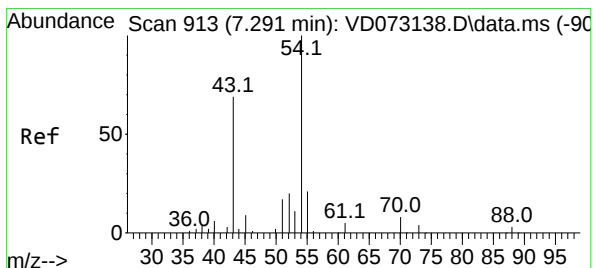
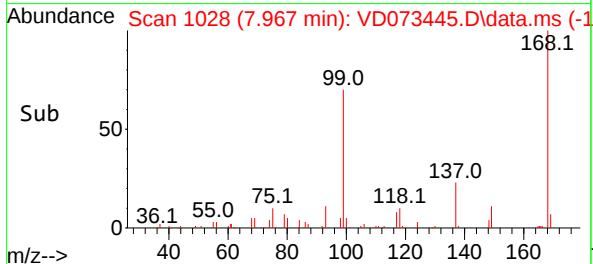
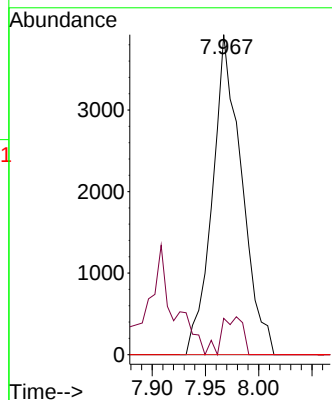
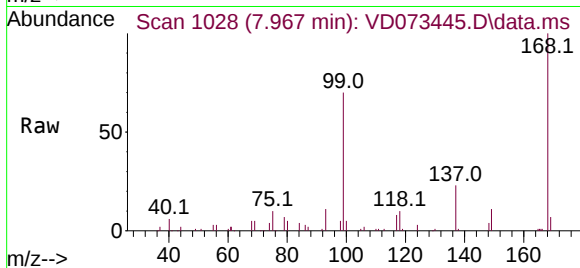
Tgt Ion: 75 Resp: 7502

Ion Ratio Lower Upper

75 100

110 8.7 16.4 49.1#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 1.003 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.094 min

Lab File: VD073445.D

Acq: 01 Jun 2022 13:52

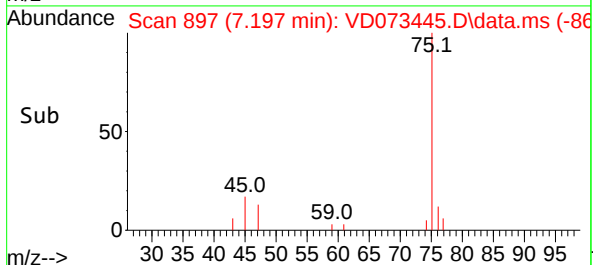
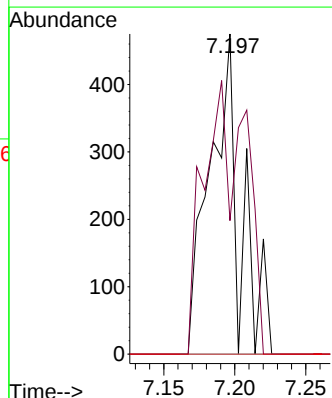
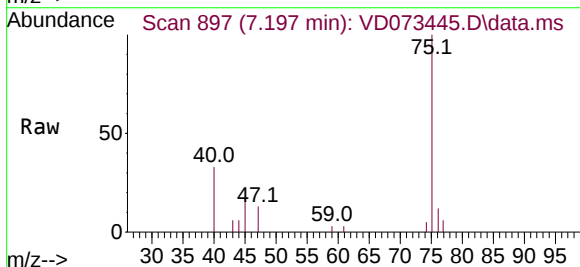
Tgt Ion: 43 Resp: 702

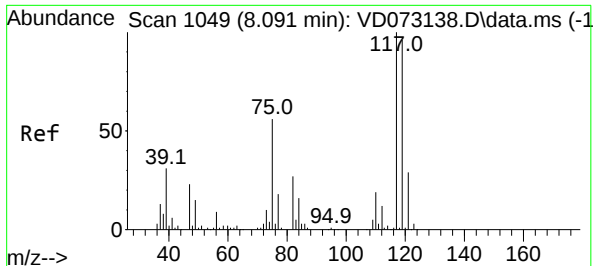
Ion Ratio Lower Upper

43 100

61 72.5 9.8 14.8#

70 0.0 6.9 10.3#

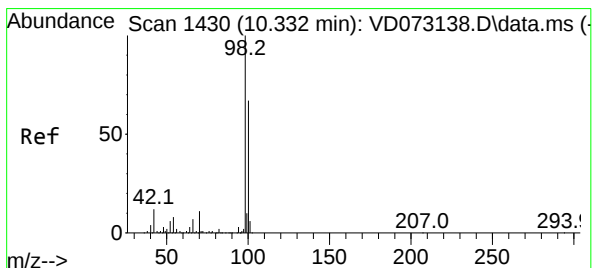
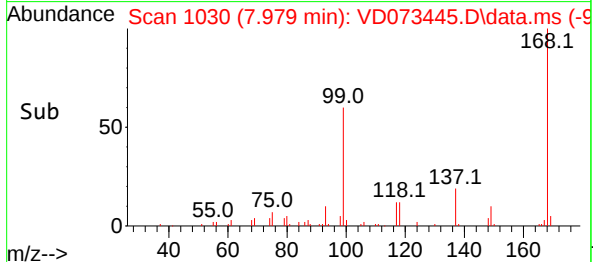
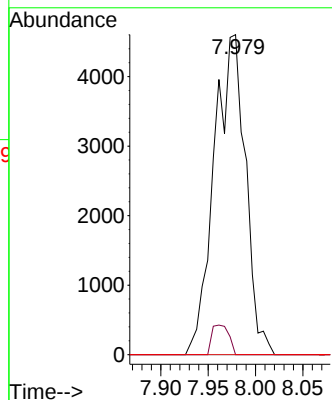
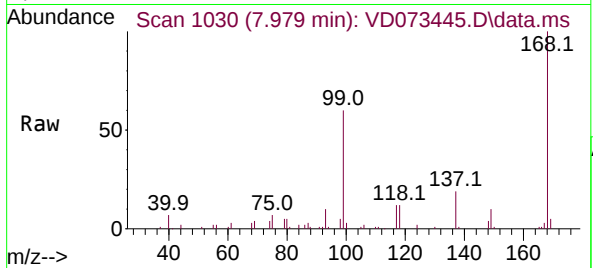




#38
Carbon Tetrachloride
Concen: 5.887 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD073445.D
Acq: 01 Jun 2022 13:52

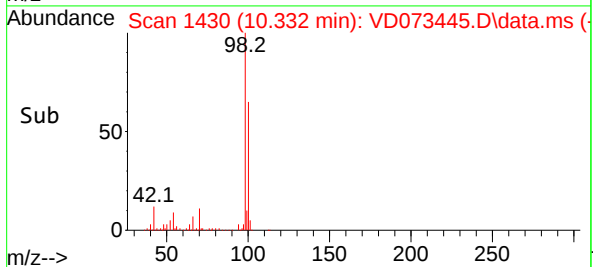
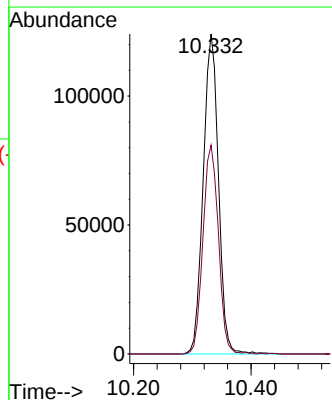
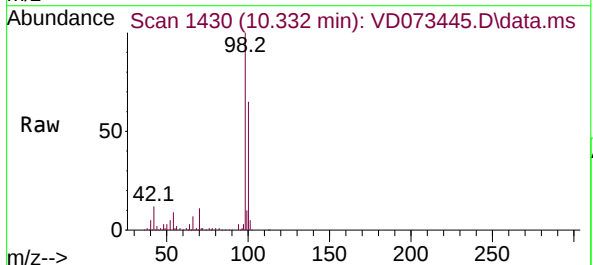
Instrument :
MSVOA_D
ClientSampleId :
MS-6

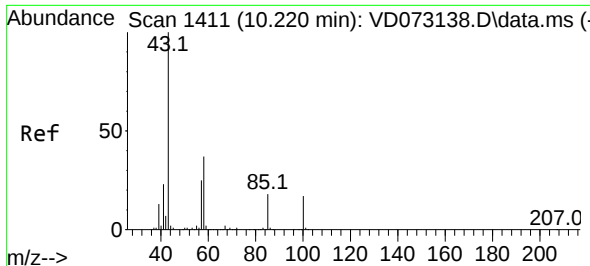
Tgt Ion:117 Resp: 10573
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 51.354 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073445.D
Acq: 01 Jun 2022 13:52

Tgt Ion: 98 Resp: 223008
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6

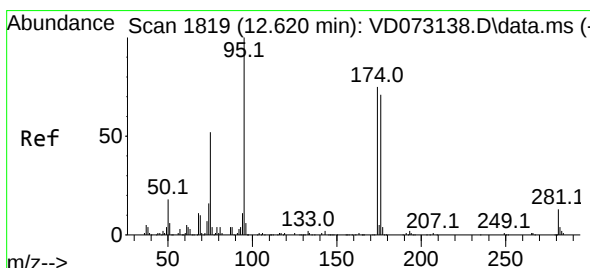
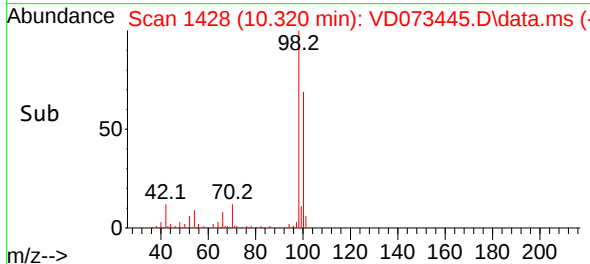
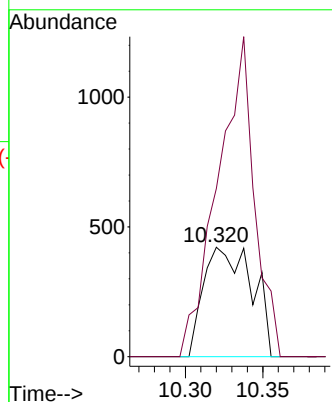
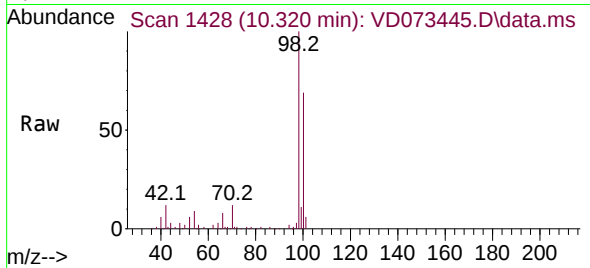




#51
4-Methyl-2-Pentanone
Concen: 1.369 ug/l
RT: 10.320 min Scan# 1411
Delta R.T. 0.100 min
Lab File: VD073445.D
Acq: 01 Jun 2022 13:52

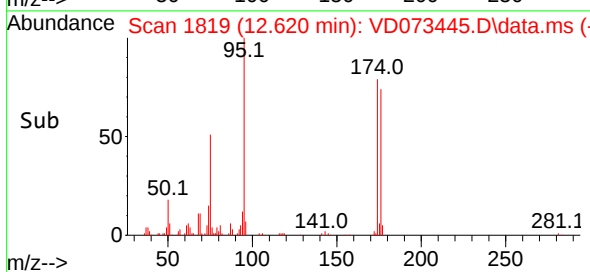
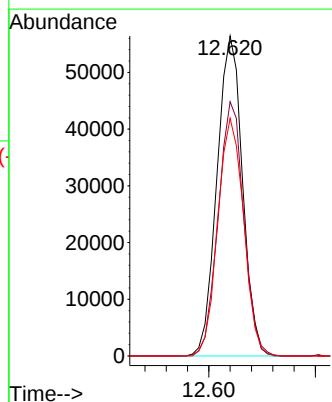
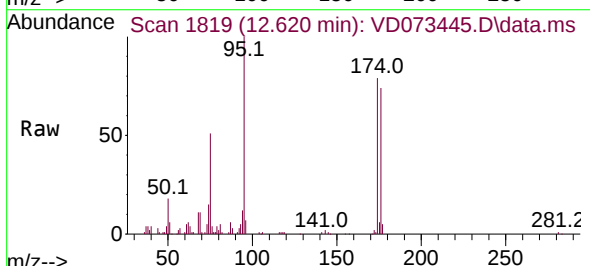
Instrument :
MSVOA_D
ClientSampleId :
MS-6

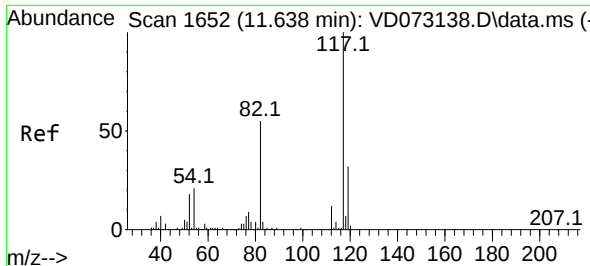
Tgt Ion: 43 Resp: 920
Ion Ratio Lower Upper
43 100
58 220.3 28.6 43.0#



#62
4-Bromofluorobenzene
Concen: 61.429 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073445.D
Acq: 01 Jun 2022 13:52

Tgt Ion: 95 Resp: 93616
Ion Ratio Lower Upper
95 100
174 79.6 0.0 152.8
176 75.3 0.0 145.4

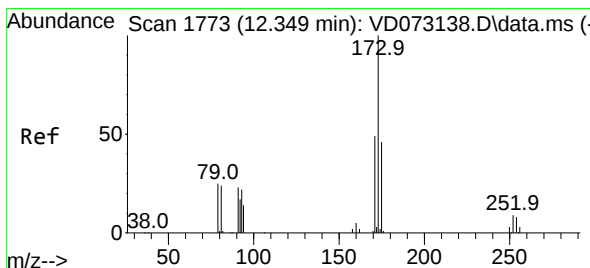
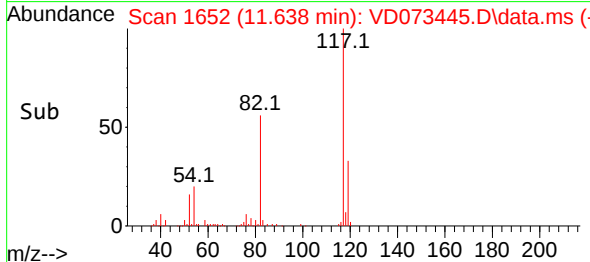
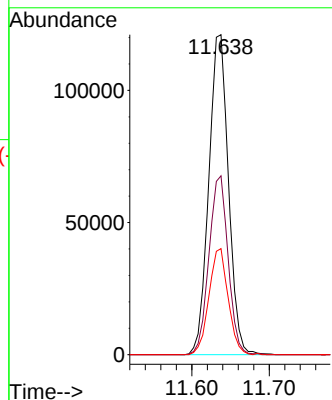
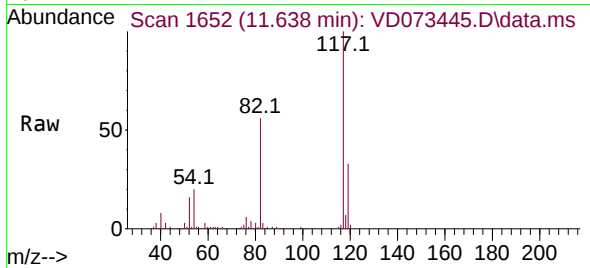




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD073445.D
Acq: 01 Jun 2022 13:52

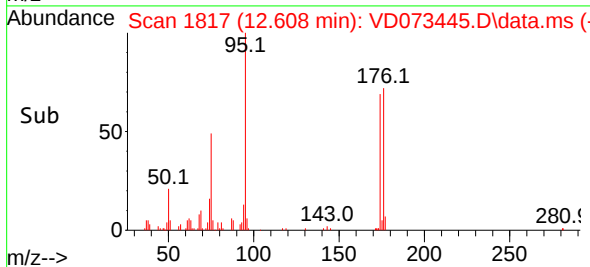
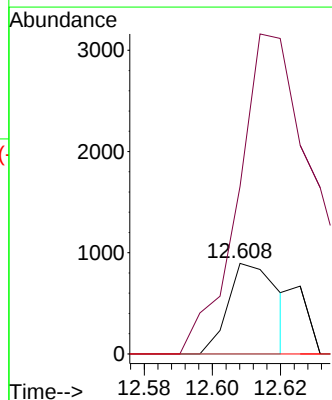
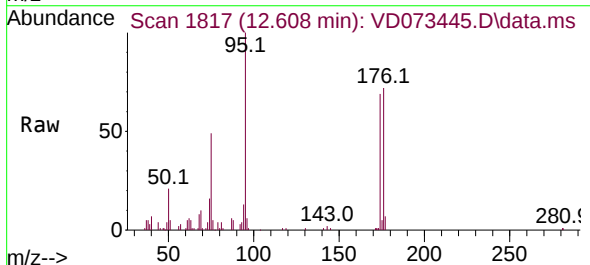
Instrument :
MSVOA_D
ClientSampleId :
MS-6

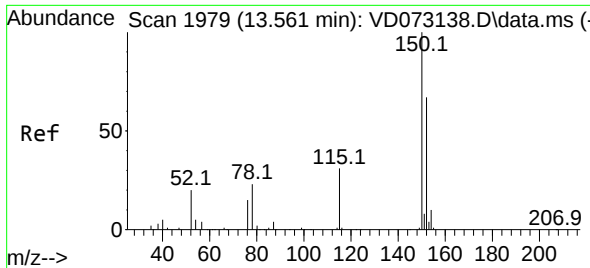
Tgt Ion:117 Resp: 213721
Ion Ratio Lower Upper
117 100
82 55.9 45.3 67.9
119 33.1 26.6 40.0



#71
Bromoform
Concen: 1.083 ug/l
RT: 12.608 min Scan# 1817
Delta R.T. 0.259 min
Lab File: VD073445.D
Acq: 01 Jun 2022 13:52

Tgt Ion:173 Resp: 906
Ion Ratio Lower Upper
173 100
175 427.5 23.9 71.8#
254 0.0 0.0 0.0

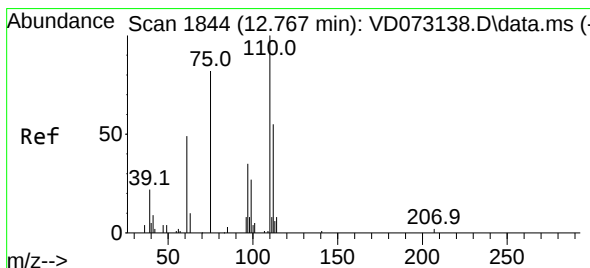
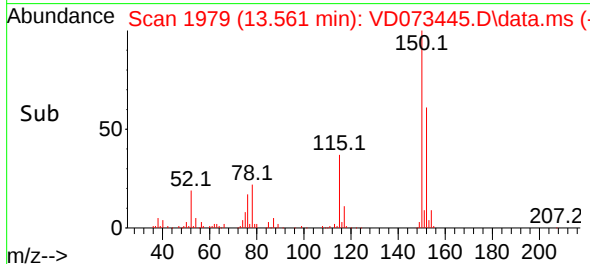
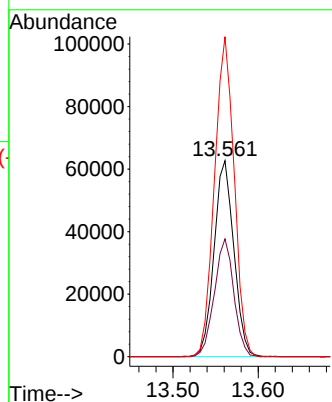
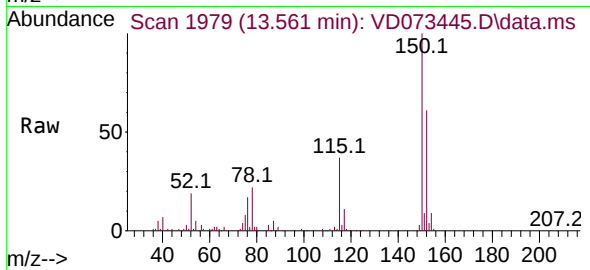




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. -0.000 min
 Lab File: VD073445.D
 Acq: 01 Jun 2022 13:52

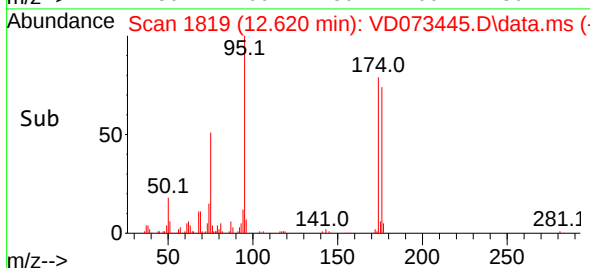
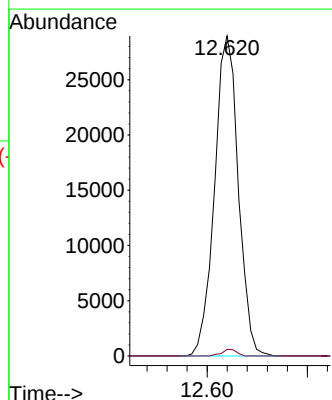
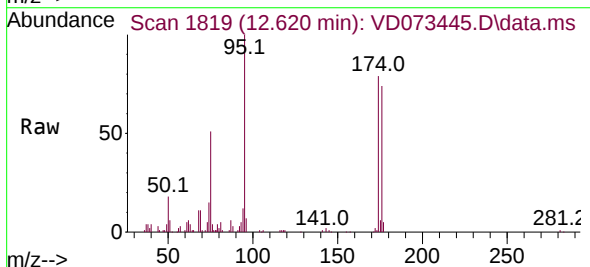
Instrument :
 MSVOA_D
 ClientSampleId :
 MS-6

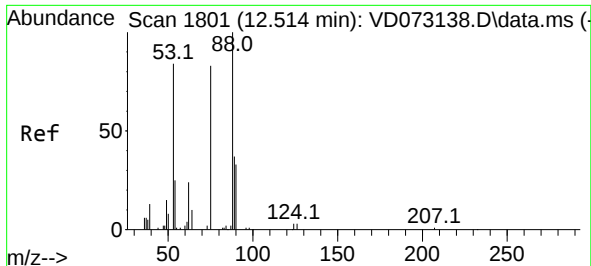
Tgt Ion:152 Resp: 101440
 Ion Ratio Lower Upper
 152 100
 115 59.0 31.3 93.8
 150 162.2 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 47.804 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073445.D
 Acq: 01 Jun 2022 13:52

Tgt Ion: 75 Resp: 47579
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

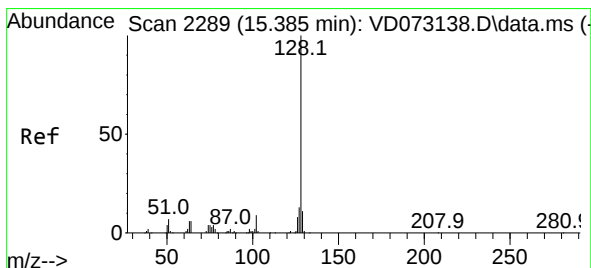
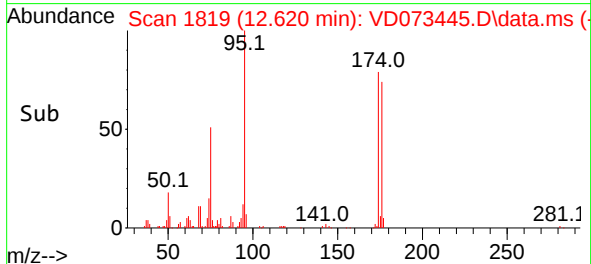
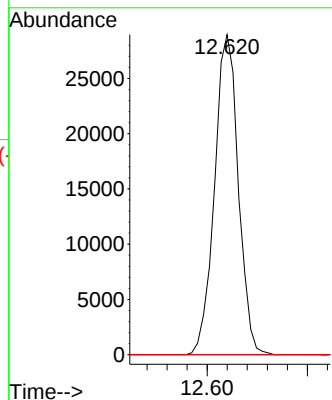
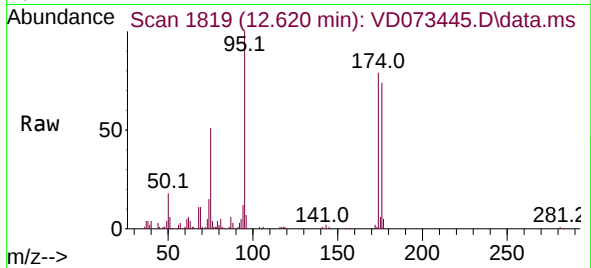




#81
trans-1,4-Dichloro-2-butene
Concen: 114.762 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073445.D
Acq: 01 Jun 2022 13:52

Instrument :
MSVOA_D
ClientSampleId :
MS-6

Tgt Ion: 75 Resp: 47579
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 3.670 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD073445.D
Acq: 01 Jun 2022 13:52

Tgt Ion: 128 Resp: 459
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

