

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060622\
 Data File : VD073480.D
 Acq On : 06 Jun 2022 17:48
 Operator : VA/SY
 Sample : N3186-01
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 2513-2514

Quant Time: Jun 07 01:13:45 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)

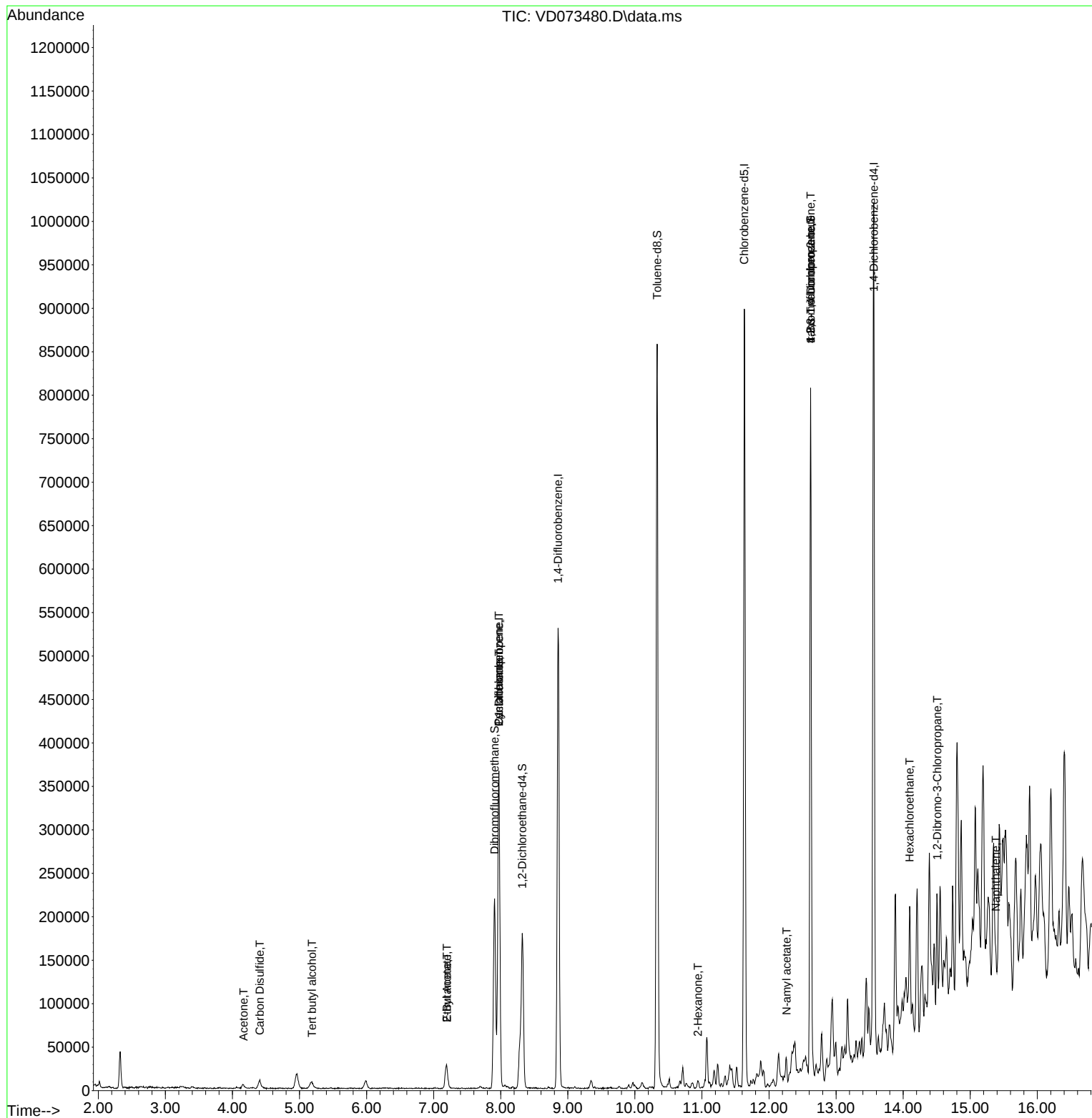
Internal Standards						
1) Pentafluorobenzene	7.973	168	267232	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	472173	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	517850	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	270066	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	138638	46.944	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.880%
35) Dibromofluoromethane	7.909	113	156738	50.306	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.620%
50) Toluene-d8	10.332	98	580356	50.530	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.060%
62) 4-Bromofluorobenzene	12.620	95	253423	62.874	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	125.740%
Target Compounds						
					Qvalue	
5) Bromomethane	2.774	94	958	Below Cal	#	49
11) Tert butyl alcohol	5.185	59	7399	16.148	ug/l #	74
16) Acetone	4.168	43	7631	14.918	ug/l	92
17) Carbon Disulfide	4.409	76	18707	2.101	ug/l #	93
25) 2-Butanone	7.197	43	2290	3.060	ug/l #	52
31) Cyclohexane	7.973	56	7072	1.370	ug/l #	10
36) 1,1-Dichloropropene	7.973	75	21085	4.500	ug/l #	53
37) Ethyl Acetate	7.197	43	2290	1.237	ug/l #	1
59) 2-Hexanone	10.938	43	3342	2.853	ug/l #	30
74) N-amyl acetate	12.261	43	5893	1.403	ug/l #	57
76) 1,2,3-Trichloropropane	12.620	75	127445	48.096	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	127445	115.463	ug/l #	7
90) Hexachloroethane	14.097	117	7116	2.010	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.508	75	1089	2.003	ug/l #	6
95) Naphthalene	15.385	128	1503	3.699	ug/l #	70

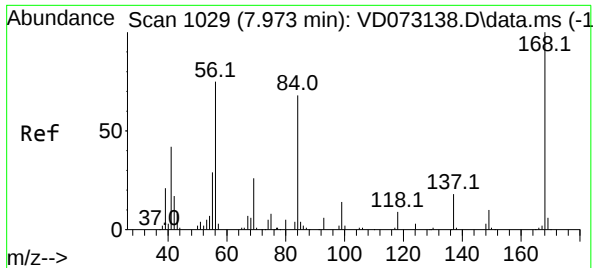
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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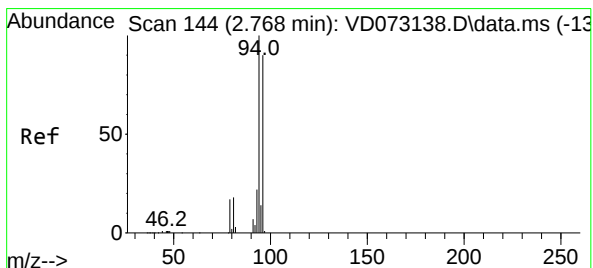
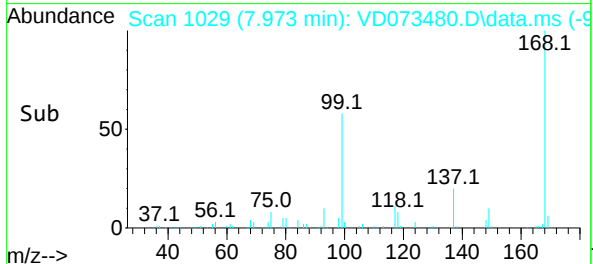
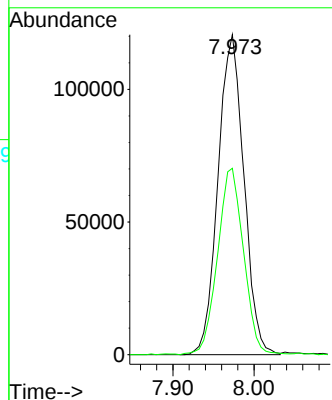
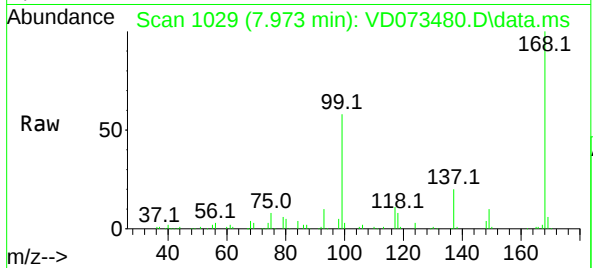




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073480.D
Acq: 06 Jun 2022 17:48

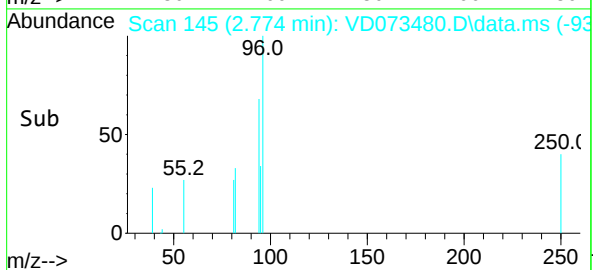
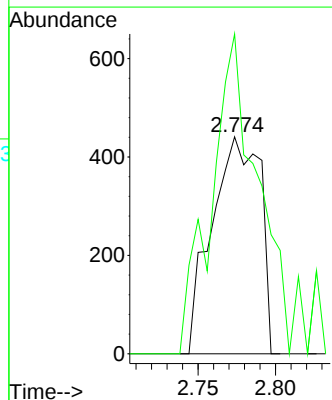
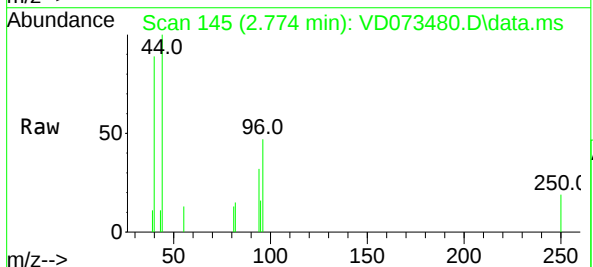
Instrument :
MSVOA_D
ClientSampleId :
2513-2514

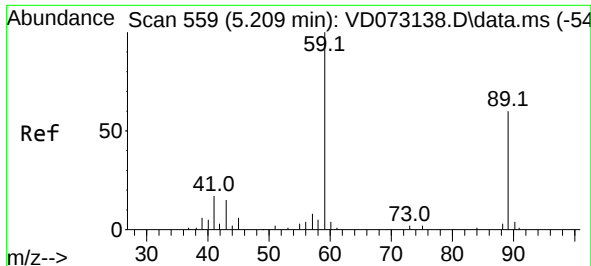
Tgt Ion:168 Resp: 267232
Ion Ratio Lower Upper
168 100
99 58.2 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 145
Delta R.T. 0.006 min
Lab File: VD073480.D
Acq: 06 Jun 2022 17:48

Tgt Ion: 94 Resp: 958
Ion Ratio Lower Upper
94 100
96 147.4 77.6 116.4#

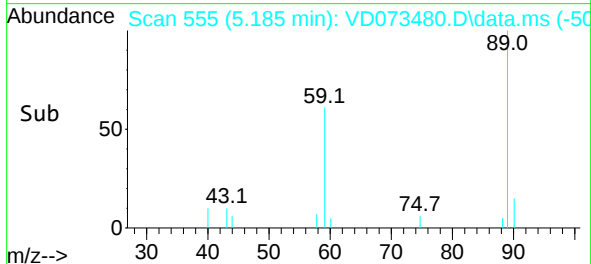
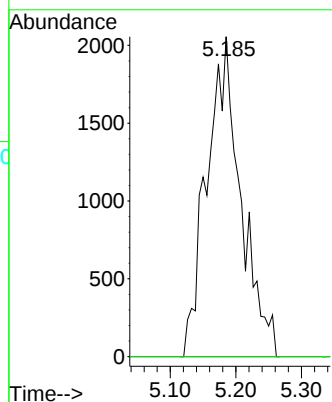
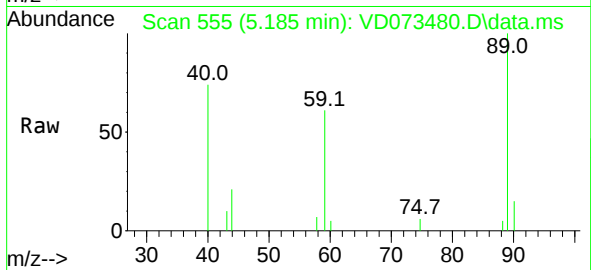




#11
Tert butyl alcohol
Concen: 16.148 ug/l
RT: 5.185 min Scan# 51
Delta R.T. -0.024 min
Lab File: VD073480.D
Acq: 06 Jun 2022 17:48

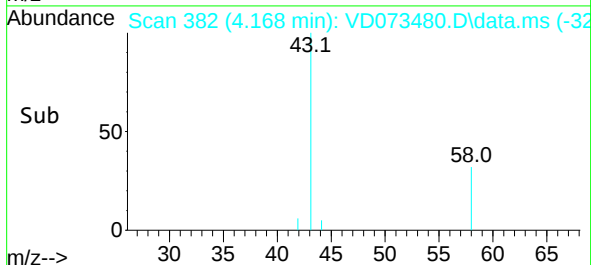
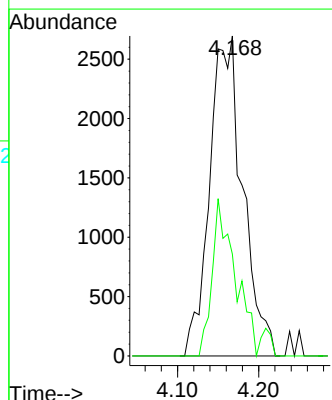
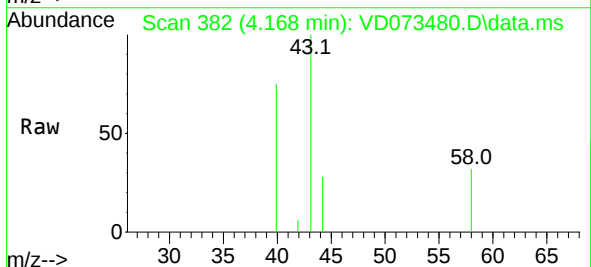
Instrument :
MSVOA_D
ClientSampleId :
2513-2514

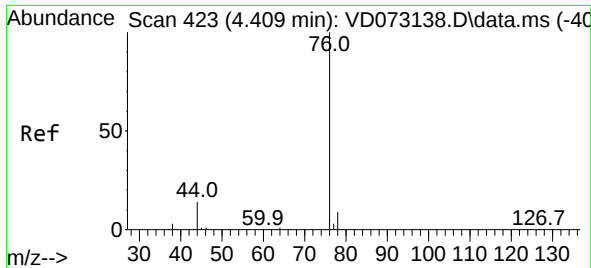
Tgt Ion: 59 Resp: 7399
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 14.918 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD073480.D
Acq: 06 Jun 2022 17:48

Tgt Ion: 43 Resp: 7631
Ion Ratio Lower Upper
43 100
58 31.8 22.1 33.1

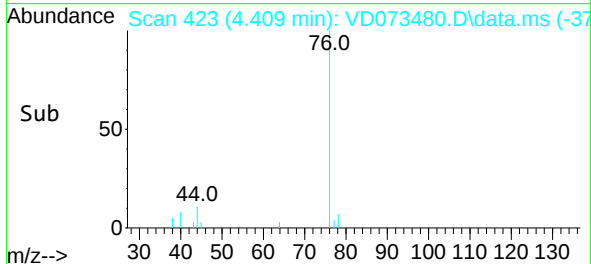
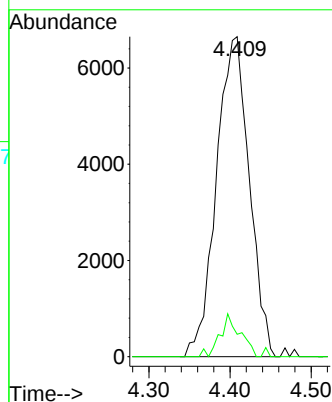
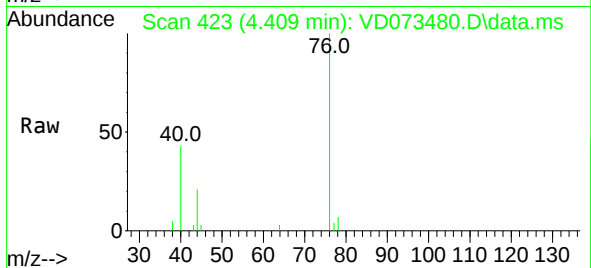




#17
Carbon Disulfide
Concen: 2.101 ug/l
RT: 4.409 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD073480.D
Acq: 06 Jun 2022 17:48

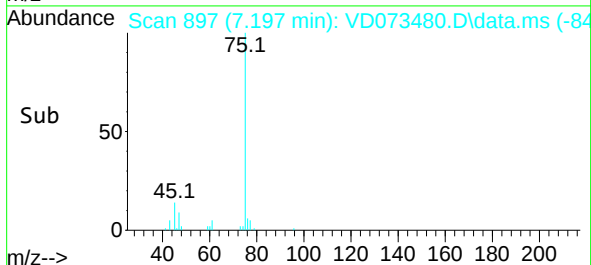
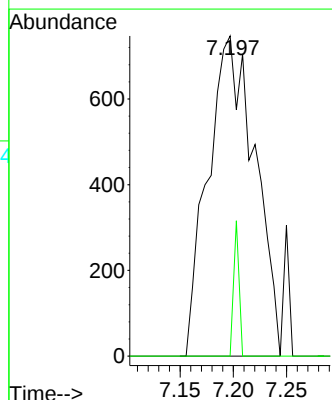
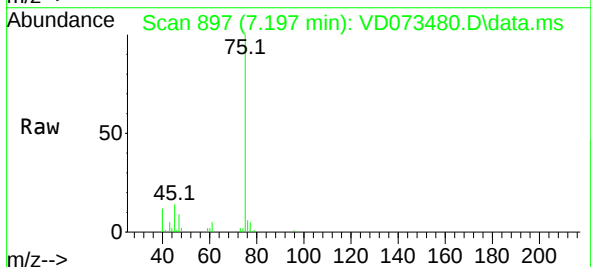
Instrument :
MSVOA_D
ClientSampleId :
2513-2514

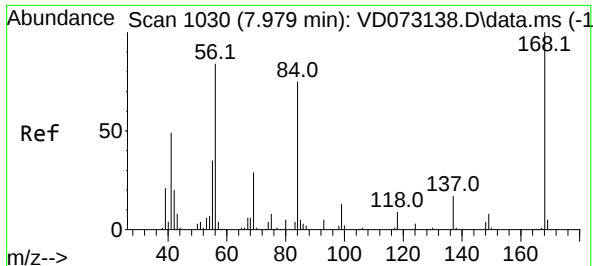
Tgt Ion: 76 Resp: 18707
Ion Ratio Lower Upper
76 100
78 7.0 7.5 11.3#



#25
2-Butanone
Concen: 3.060 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.011 min
Lab File: VD073480.D
Acq: 06 Jun 2022 17:48

Tgt Ion: 43 Resp: 2290
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#





#31

Cyclohexane

Concen: 1.370 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073480.D

Acq: 06 Jun 2022 17:48

Instrument :

MSVOA_D

ClientSampleId :

2513-2514

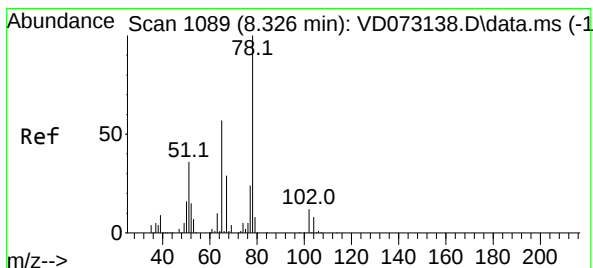
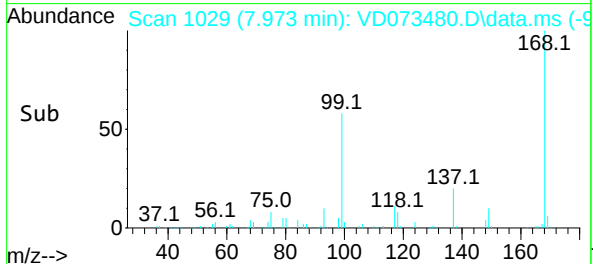
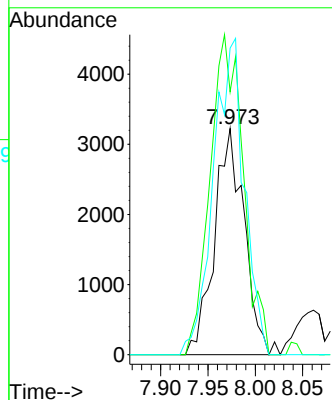
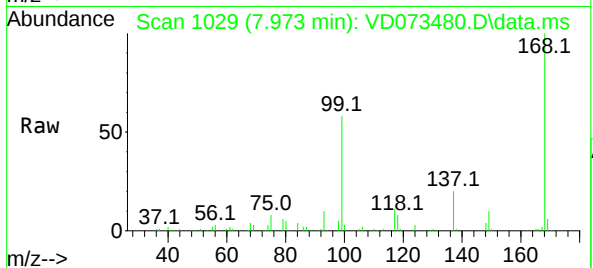
Tgt Ion: 56 Resp: 7072

Ion Ratio Lower Upper

56 100

69 116.2 25.4 38.2#

84 135.5 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 46.944 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD073480.D

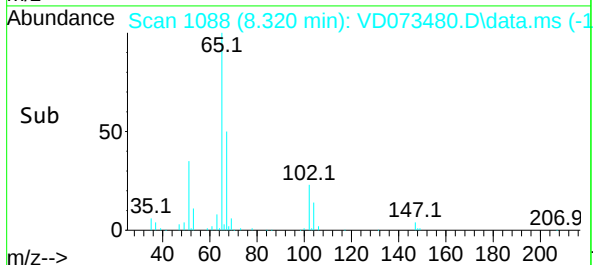
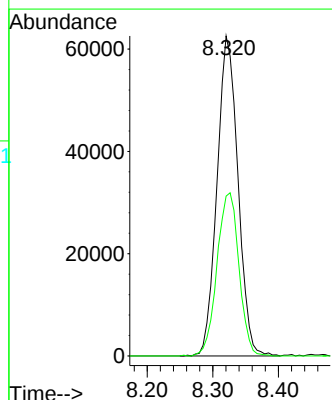
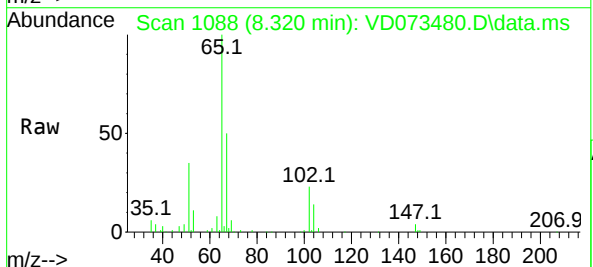
Acq: 06 Jun 2022 17:48

Tgt Ion: 65 Resp: 138638

Ion Ratio Lower Upper

65 100

67 53.4 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VD073480.D

Acq: 06 Jun 2022 17:48

Instrument :

MSVOA_D

ClientSampleId :

2513-2514

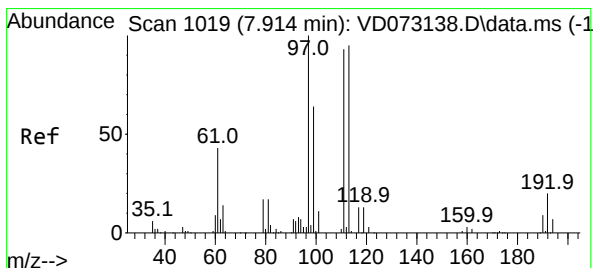
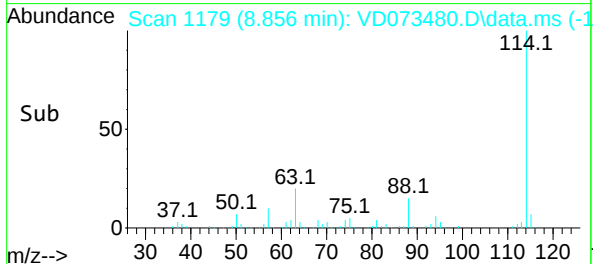
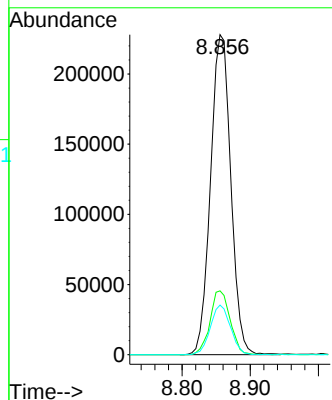
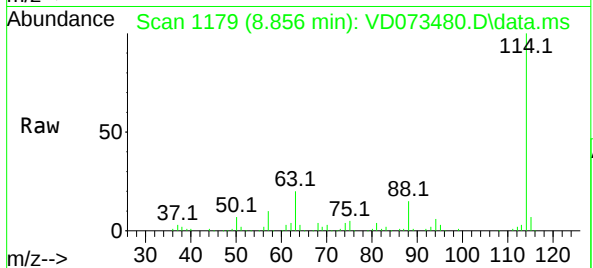
Tgt Ion:114 Resp: 472173

Ion Ratio Lower Upper

114 100

63 19.9 0.0 46.6

88 15.5 0.0 33.2



#35

Dibromofluoromethane

Concen: 50.306 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073480.D

Acq: 06 Jun 2022 17:48

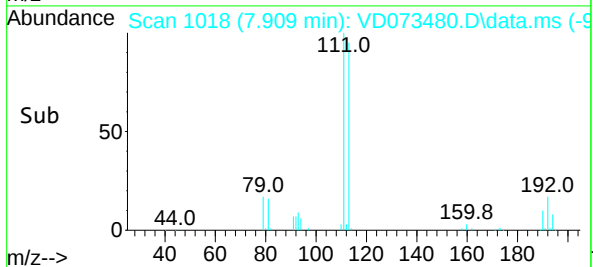
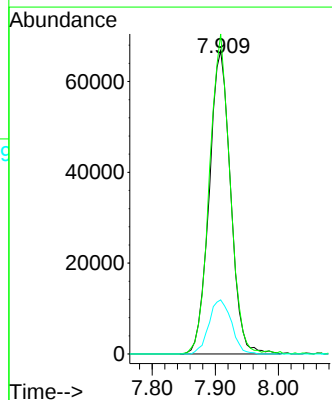
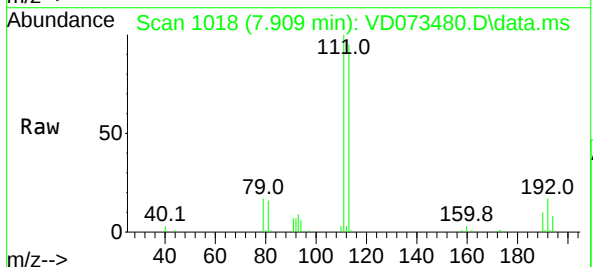
Tgt Ion:113 Resp: 156738

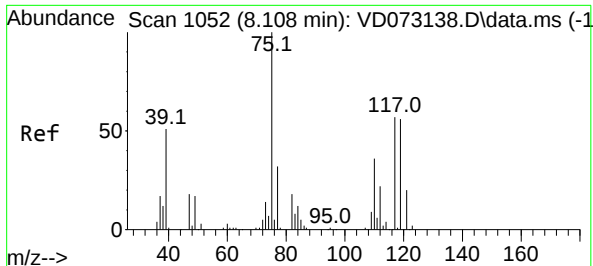
Ion Ratio Lower Upper

113 100

111 101.8 83.8 125.6

192 18.8 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.500 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073480.D

Acq: 06 Jun 2022 17:48

Instrument :

MSVOA_D

ClientSampleId :

2513-2514

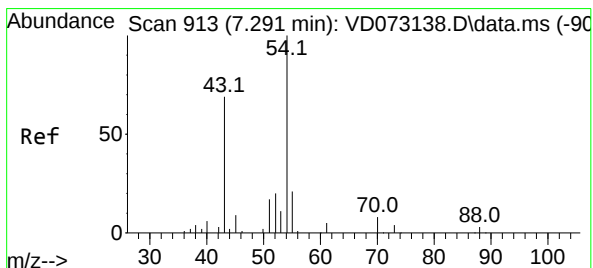
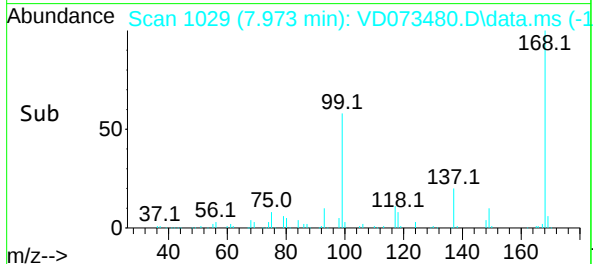
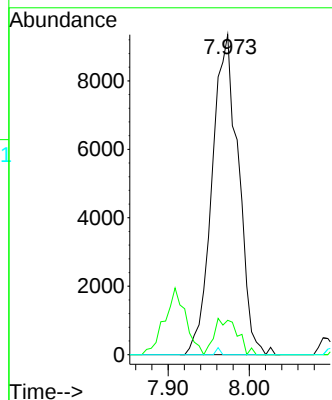
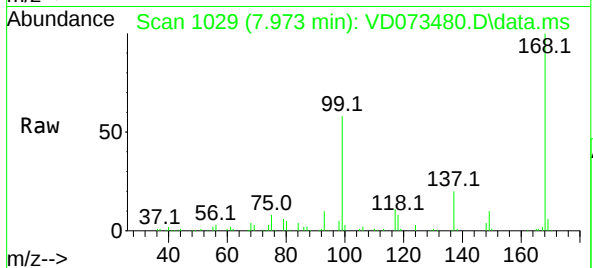
Tgt Ion: 75 Resp: 21085

Ion Ratio Lower Upper

75 100

110 9.9 16.4 49.1#

77 0.3 24.2 36.2#



#37

Ethyl Acetate

Concen: 1.237 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.094 min

Lab File: VD073480.D

Acq: 06 Jun 2022 17:48

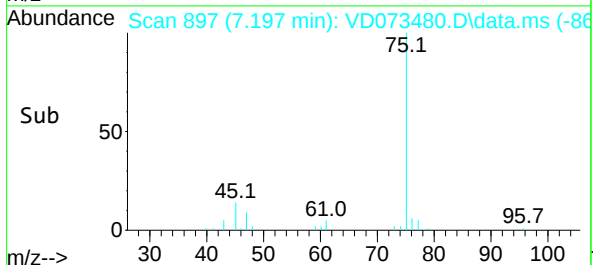
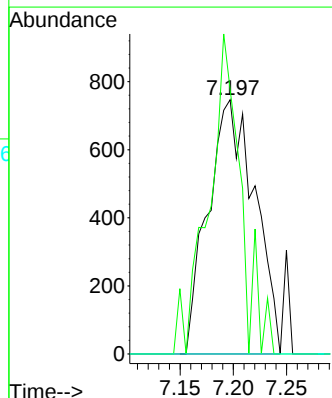
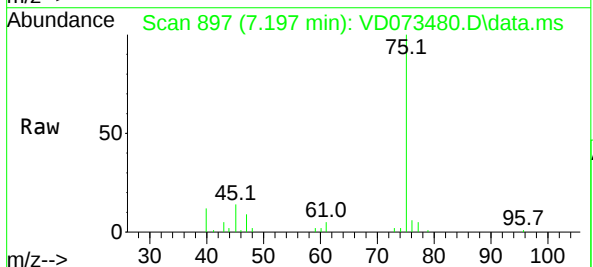
Tgt Ion: 43 Resp: 2290

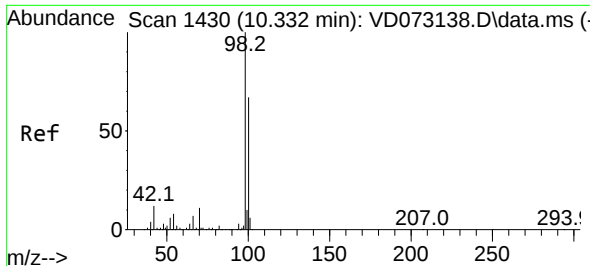
Ion Ratio Lower Upper

43 100

61 86.1 9.8 14.8#

70 0.0 6.9 10.3#

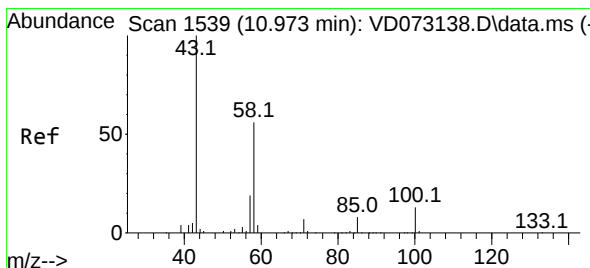
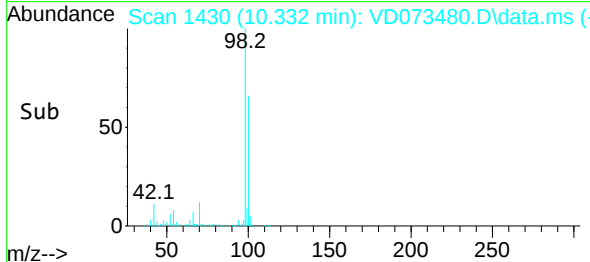
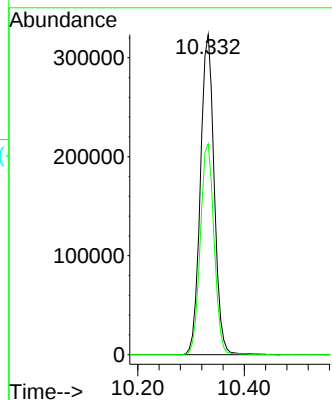
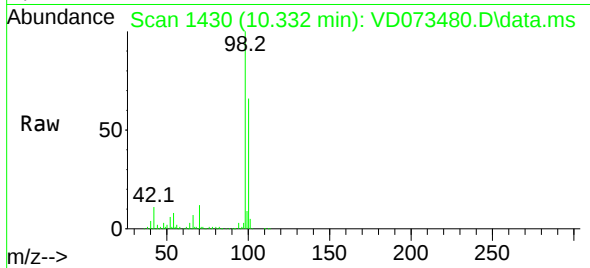




#50
Toluene-d8
Concen: 50.530 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073480.D
Acq: 06 Jun 2022 17:48

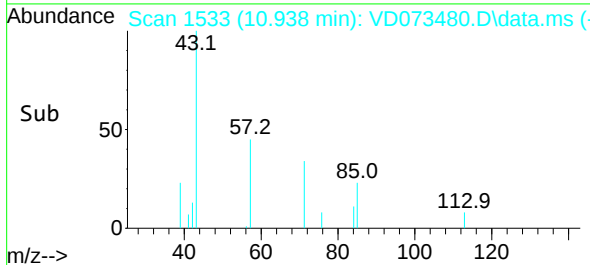
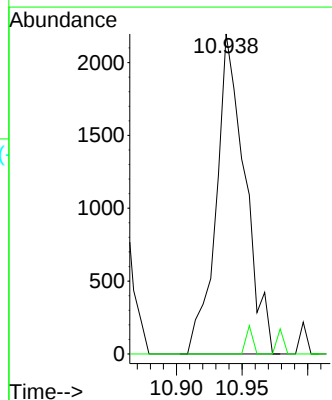
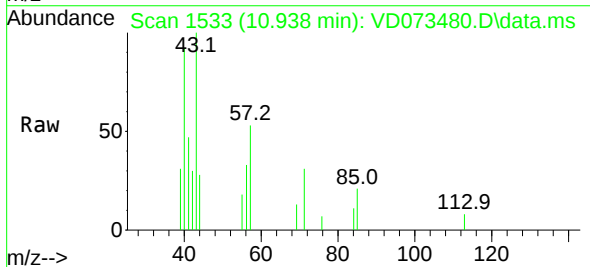
Instrument :
MSVOA_D
ClientSampleId :
2513-2514

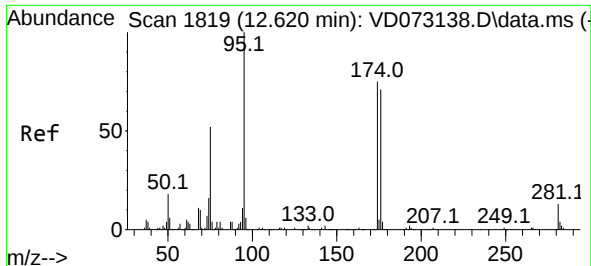
Tgt Ion: 98 Resp: 580356
Ion Ratio Lower Upper
98 100
100 65.9 52.4 78.6



#59
2-Hexanone
Concen: 2.853 ug/l
RT: 10.938 min Scan# 1533
Delta R.T. -0.035 min
Lab File: VD073480.D
Acq: 06 Jun 2022 17:48

Tgt Ion: 43 Resp: 3342
Ion Ratio Lower Upper
43 100
58 2.0 25.3 75.9#

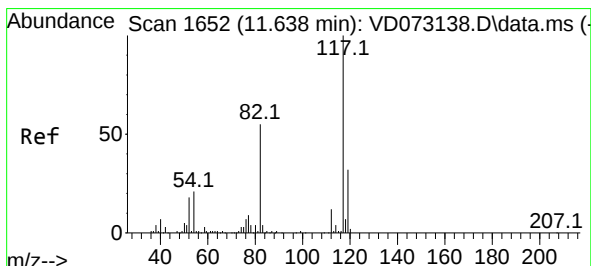
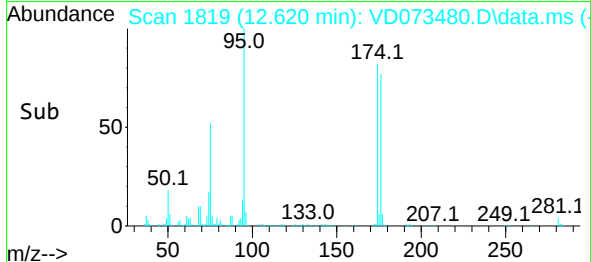
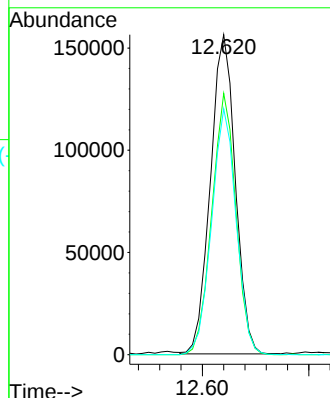
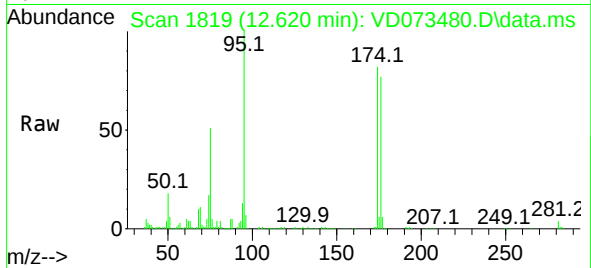




#62
4-Bromofluorobenzene
Concen: 62.874 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073480.D
Acq: 06 Jun 2022 17:48

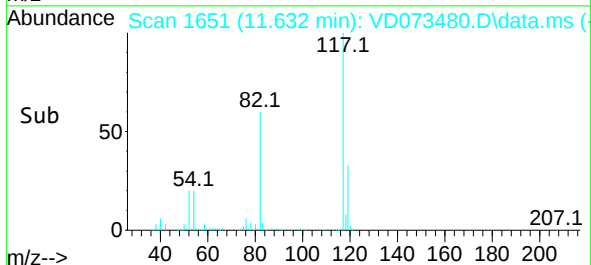
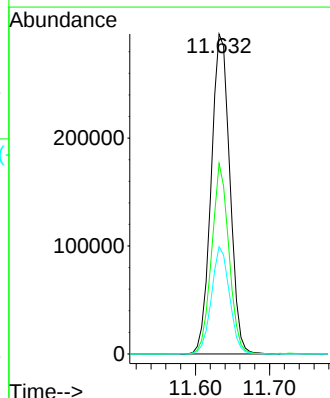
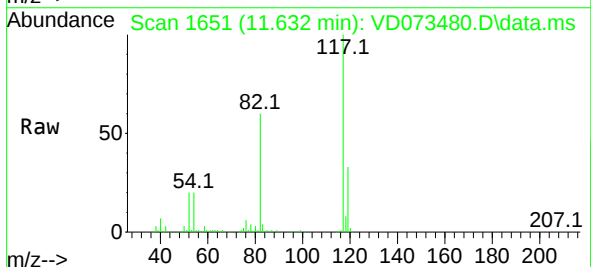
Instrument :
MSVOA_D
ClientSampleId :
2513-2514

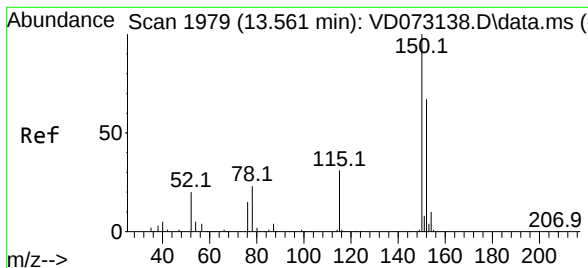
Tgt Ion: 95 Resp: 253423
Ion Ratio Lower Upper
95 100
174 79.2 0.0 152.8
176 76.0 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073480.D
Acq: 06 Jun 2022 17:48

Tgt Ion: 117 Resp: 517850
Ion Ratio Lower Upper
117 100
82 59.4 45.3 67.9
119 33.5 26.6 40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD073480.D

Acq: 06 Jun 2022 17:48

Instrument :

MSVOA_D

ClientSampleId :

2513-2514

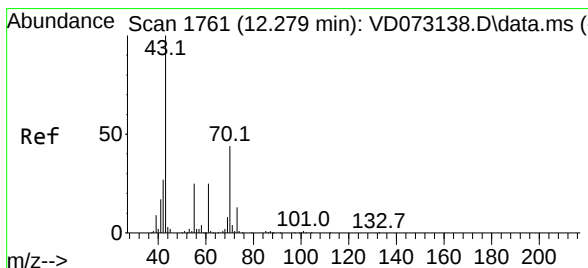
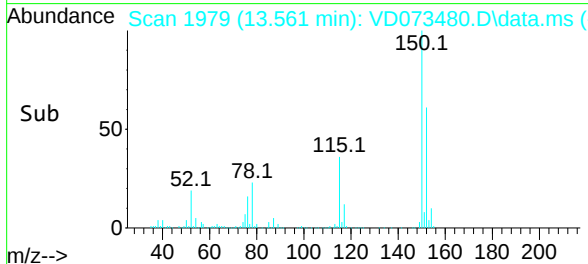
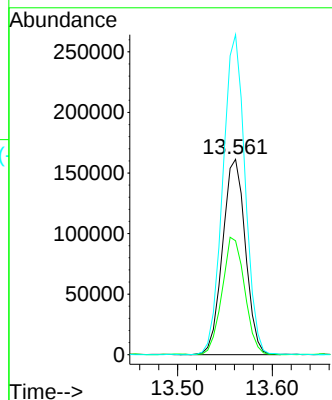
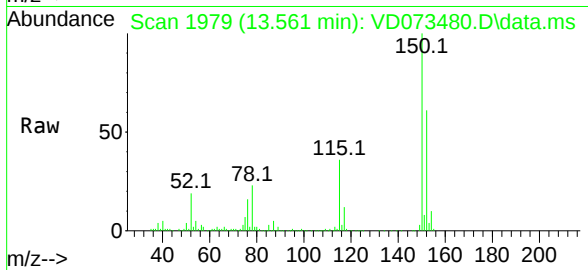
Tgt Ion:152 Resp: 270066

Ion Ratio Lower Upper

152 100

115 59.5 31.3 93.8

150 159.9 0.0 348.6



#74

N-ethyl acetate

Concen: 1.403 ug/l

RT: 12.261 min Scan# 1758

Delta R.T. -0.018 min

Lab File: VD073480.D

Acq: 06 Jun 2022 17:48

Tgt Ion: 43 Resp: 5893

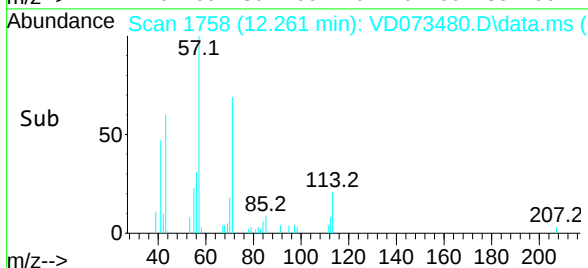
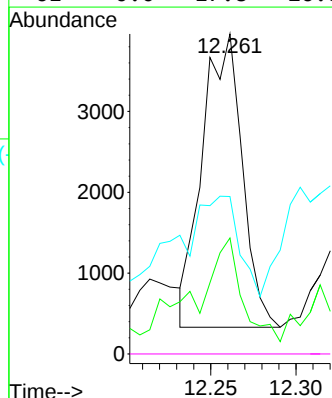
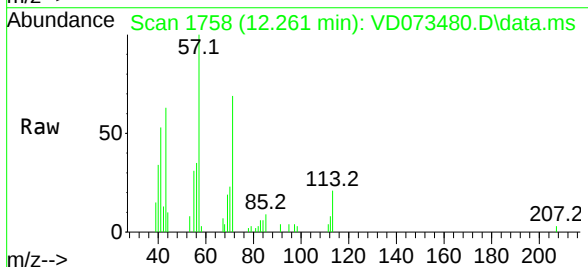
Ion Ratio Lower Upper

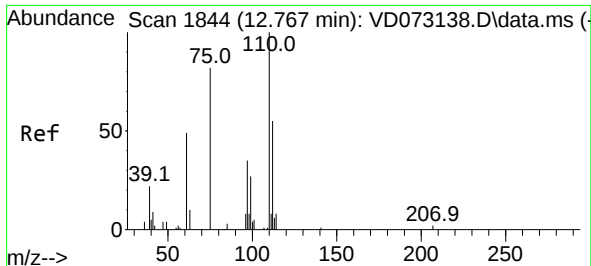
43 100

70 59.0 31.3 46.9#

55 53.0 20.0 30.0#

61 0.0 17.8 26.8#

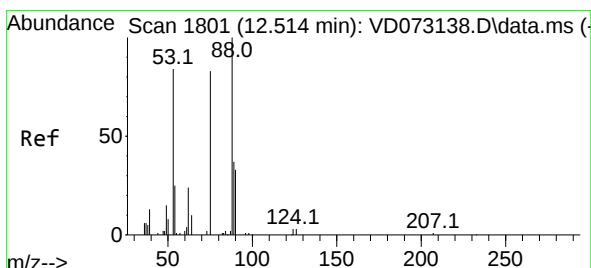
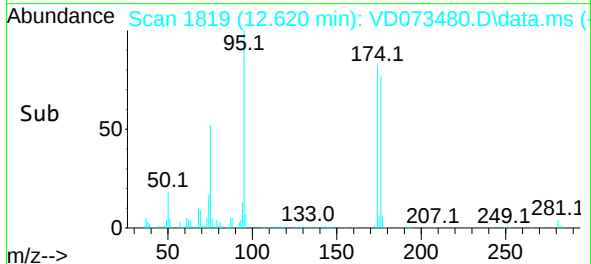
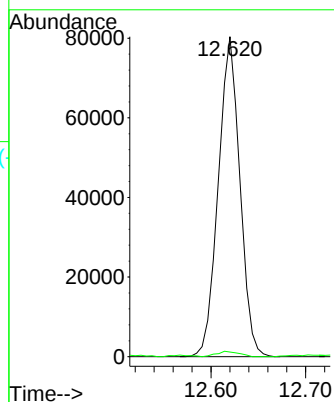
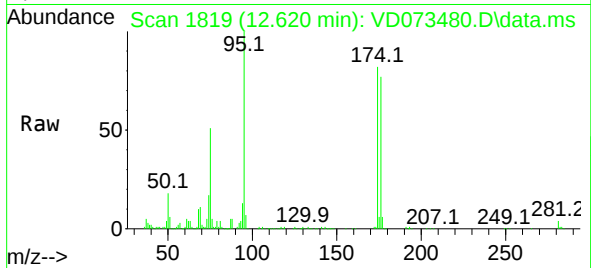




#76
1,2,3-Trichloropropane
Concen: 48.096 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073480.D
Acq: 06 Jun 2022 17:48

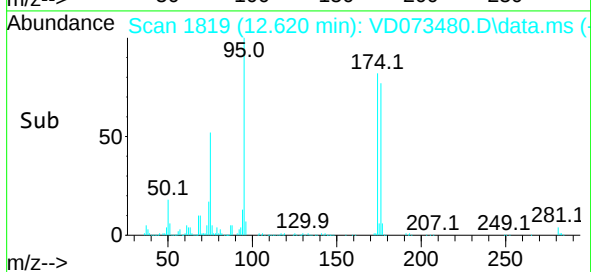
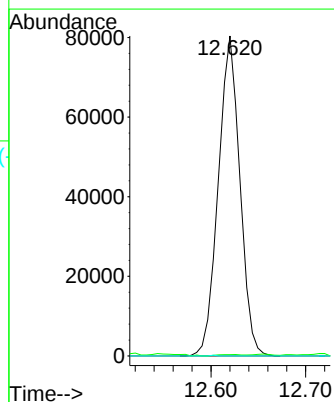
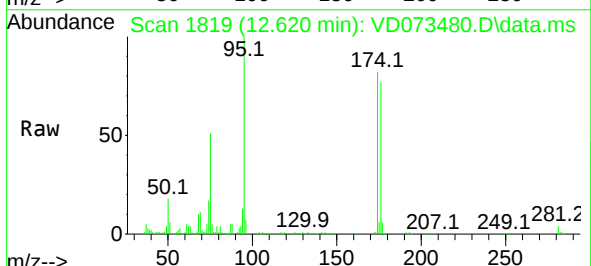
Instrument :
MSVOA_D
ClientSampleId :
2513-2514

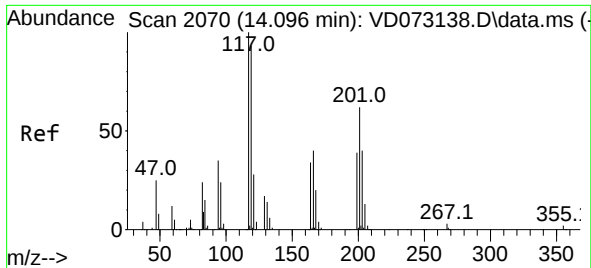
Tgt Ion: 75 Resp: 127445
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.463 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073480.D
Acq: 06 Jun 2022 17:48

Tgt Ion: 75 Resp: 127445
Ion Ratio Lower Upper
75 100
53 0.5 86.5 129.7#
89 0.0 33.9 50.9#

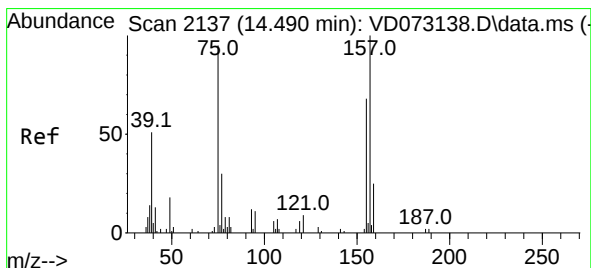
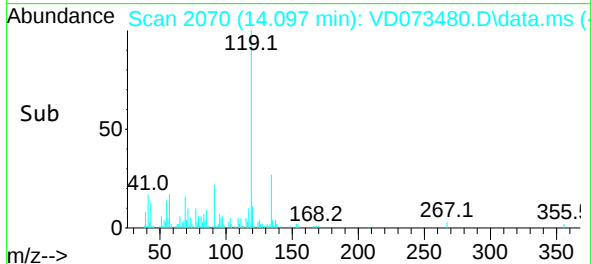
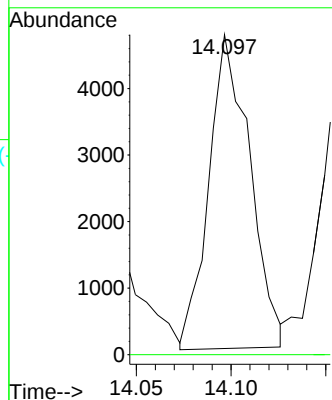
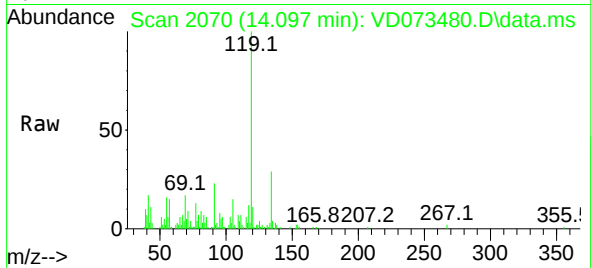




#90
Hexachloroethane
Concen: 2.010 ug/l
RT: 14.097 min Scan# 2070
Delta R.T. 0.001 min
Lab File: VD073480.D
Acq: 06 Jun 2022 17:48

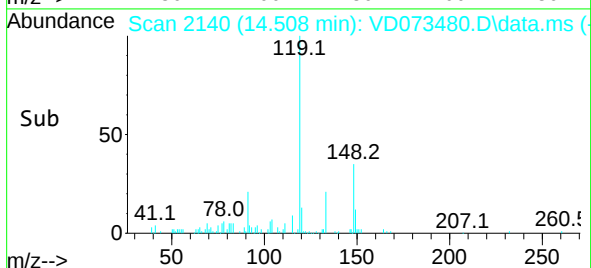
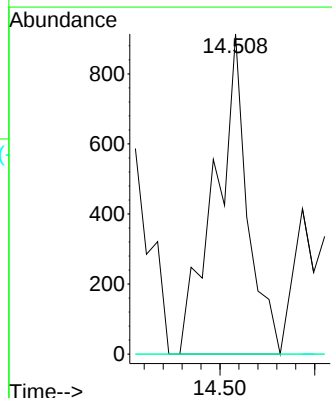
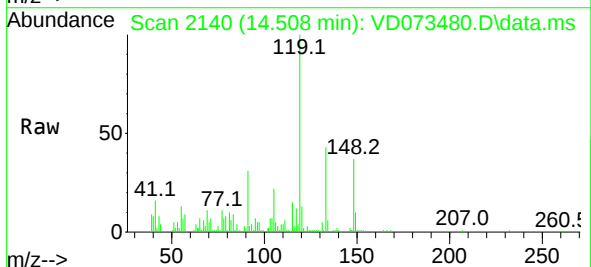
Instrument :
MSVOA_D
ClientSampleId :
2513-2514

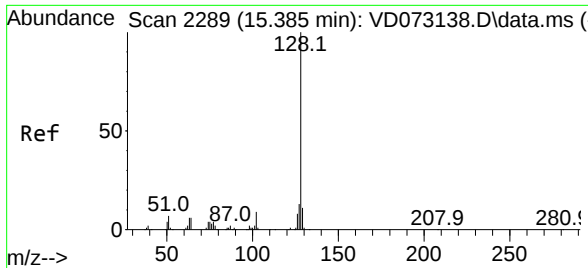
Tgt Ion:117 Resp: 7116
Ion Ratio Lower Upper
117 100
201 0.0 33.4 100.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.003 ug/l
RT: 14.508 min Scan# 2140
Delta R.T. 0.018 min
Lab File: VD073480.D
Acq: 06 Jun 2022 17:48

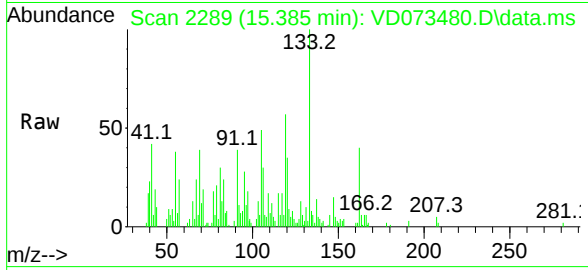
Tgt Ion: 75 Resp: 1089
Ion Ratio Lower Upper
75 100
155 0.0 36.8 110.3#
157 0.0 48.4 145.0#





#95
Naphthalene
Concen: 3.699 ug/l
RT: 15.385 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD073480.D
Acq: 06 Jun 2022 17:48

Instrument :
MSVOA_D
ClientSampleId :
2513-2514



Tgt Ion:	128	Resp:	1503
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

