

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060622\
 Data File : VD073482.D
 Acq On : 06 Jun 2022 18:47
 Operator : VA/SY
 Sample : N3197-01
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-3-060322

Quant Time: Jun 07 01:14:05 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)

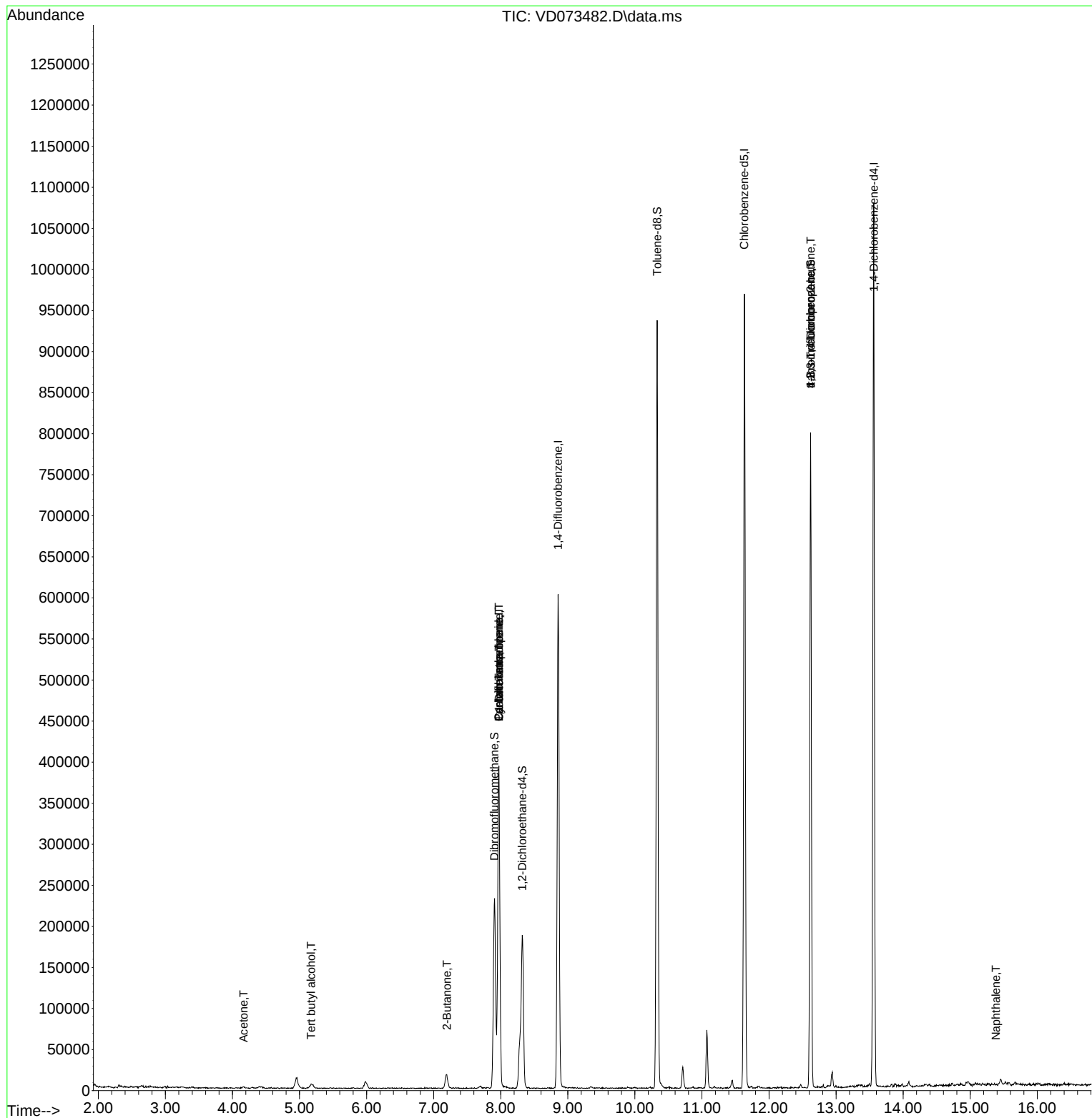
Internal Standards						
1) Pentafluorobenzene	7.973	168	289439	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	524597	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	567241	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	275908	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	144736	45.248	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.500%
35) Dibromofluoromethane	7.903	113	167493	48.385	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.780%
50) Toluene-d8	10.332	98	632256	49.548	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.100%
62) 4-Bromofluorobenzene	12.620	95	259260	57.894	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	115.780%
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	512	Below Cal	#	66
11) Tert butyl alcohol	5.173	59	5157	10.391	ug/l #	74
13) Acrolein	3.920	56	64	Below Cal	#	14
16) Acetone	4.167	43	2561	4.622	ug/l #	71
20) Methylene Chloride	4.962	84	10088	Below Cal	#	84
25) 2-Butanone	7.197	43	1380	1.702	ug/l #	52
31) Cyclohexane	7.973	56	6132	1.097	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	23200	4.456	ug/l #	52
38) Carbon Tetrachloride	7.973	117	29571	5.603	ug/l #	16
76) 1,2,3-Trichloropropane	12.620	75	133460	49.299	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	133460	118.353	ug/l #	7
95) Naphthalene	15.385	128	1037	3.648	ug/l #	70

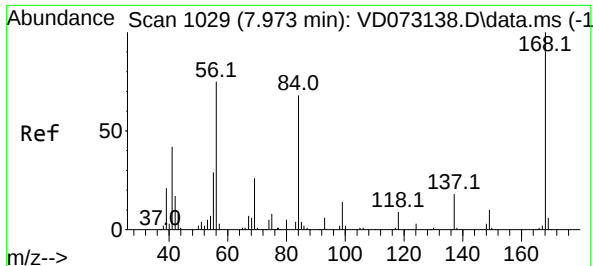
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SU-3-060322

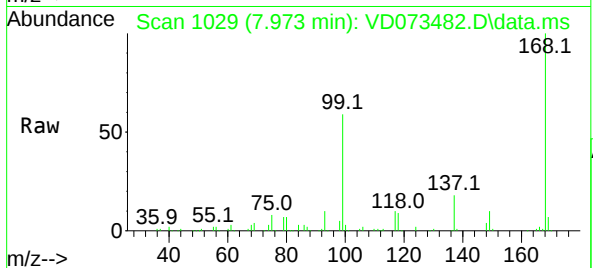
Quant Time: Jun 07 01:14:05 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
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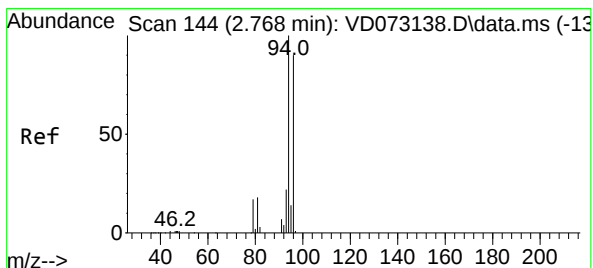
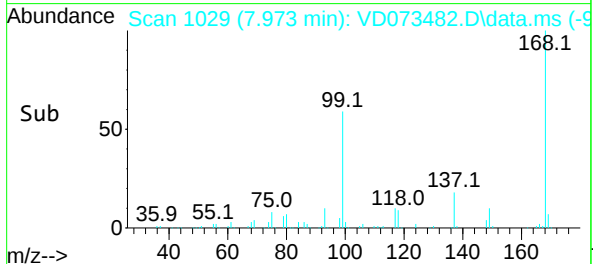
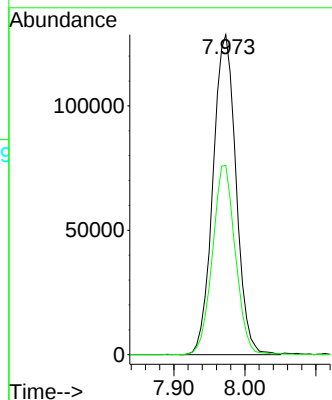


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073482.D
Acq: 06 Jun 2022 18:47

Instrument :
MSVOA_D
ClientSampleId :
SU-3-060322

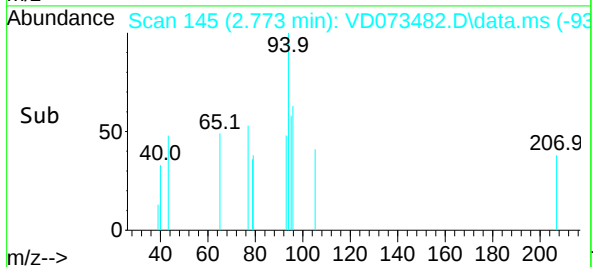
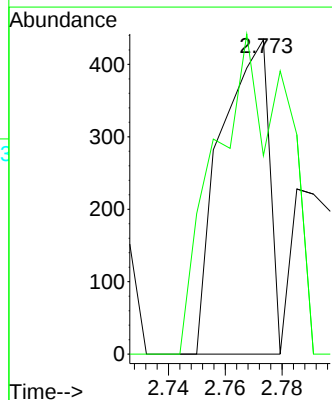
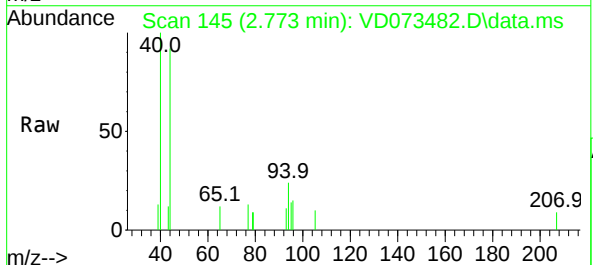


Tgt Ion:168 Resp: 289439
Ion Ratio Lower Upper
168 100
99 59.2 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD073482.D
Acq: 06 Jun 2022 18:47

Tgt Ion: 94 Resp: 512
Ion Ratio Lower Upper
94 100
96 63.1 77.6 116.4#

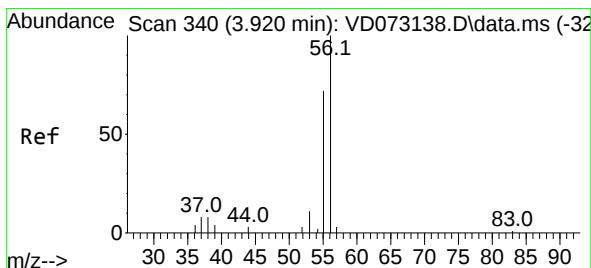
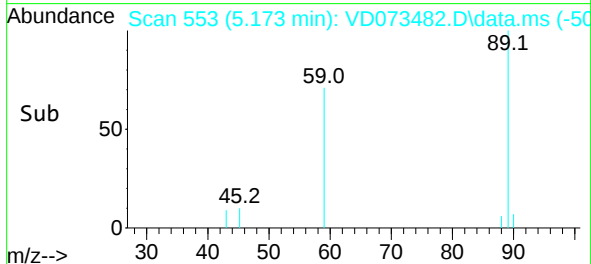
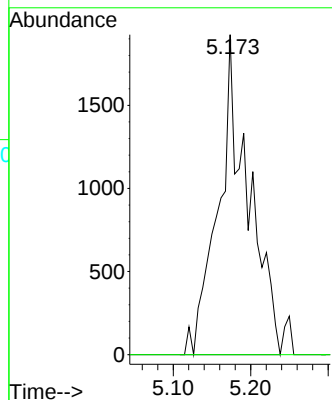
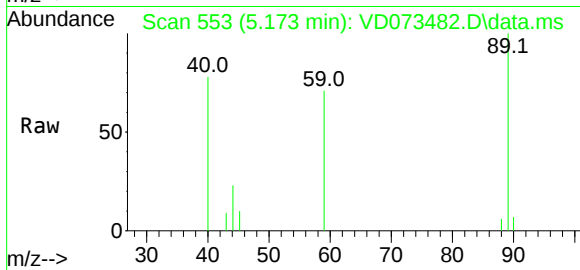




#11
Tert butyl alcohol
Concen: 10.391 ug/l
RT: 5.173 min Scan# 51
Delta R.T. -0.036 min
Lab File: VD073482.D
Acq: 06 Jun 2022 18:47

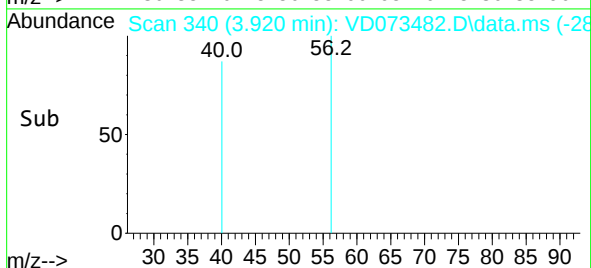
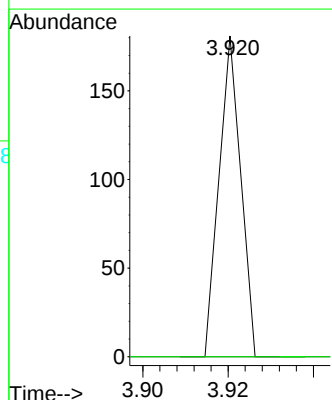
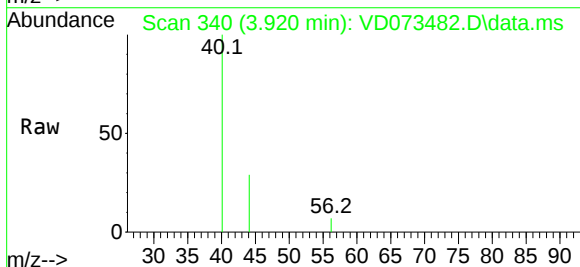
Instrument :
MSVOA_D
ClientSampleId :
SU-3-060322

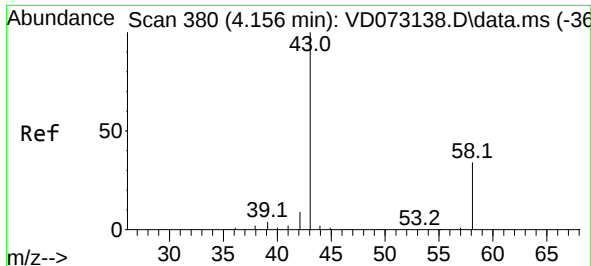
Tgt Ion: 59 Resp: 5157
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#13
Acrolein
Concen: Below Cal
RT: 3.920 min Scan# 340
Delta R.T. 0.000 min
Lab File: VD073482.D
Acq: 06 Jun 2022 18:47

Tgt Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#

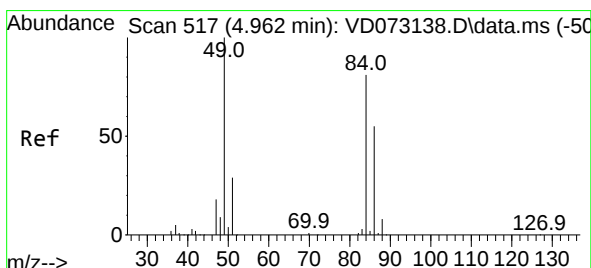
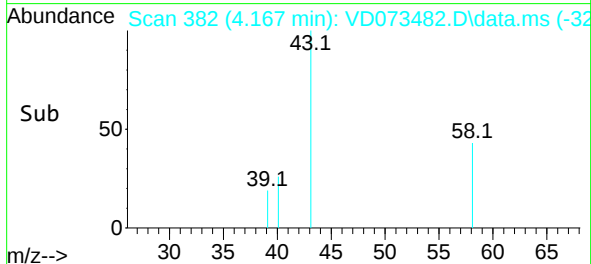
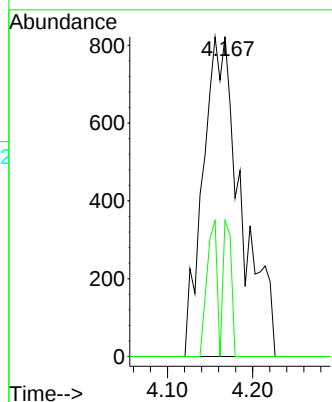
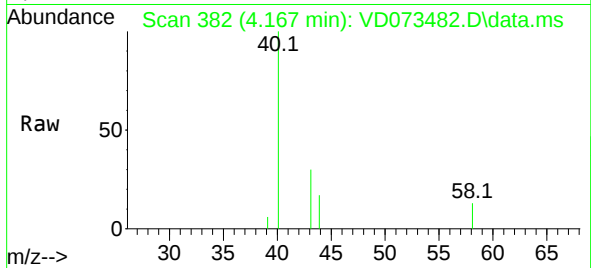




#16
Acetone
Concen: 4.622 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.011 min
Lab File: VD073482.D
Acq: 06 Jun 2022 18:47

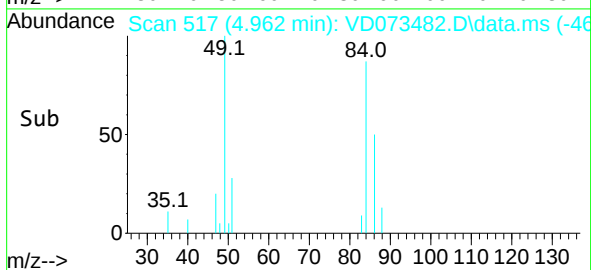
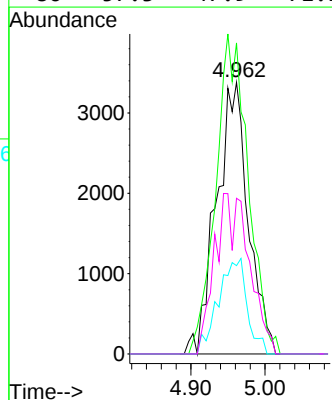
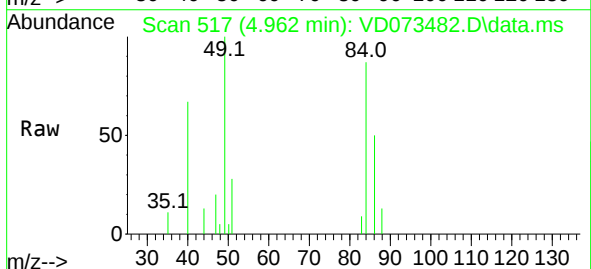
Instrument :
MSVOA_D
ClientSampleId :
SU-3-060322

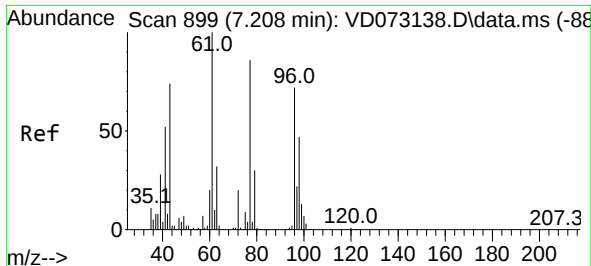
Tgt Ion: 43 Resp: 2561
Ion Ratio Lower Upper
43 100
58 42.6 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD073482.D
Acq: 06 Jun 2022 18:47

Tgt Ion: 84 Resp: 10088
Ion Ratio Lower Upper
84 100
49 114.5 112.8 169.2
51 32.5 32.6 48.8#
86 57.3 47.9 71.9

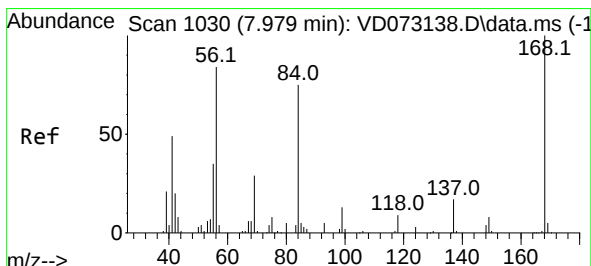
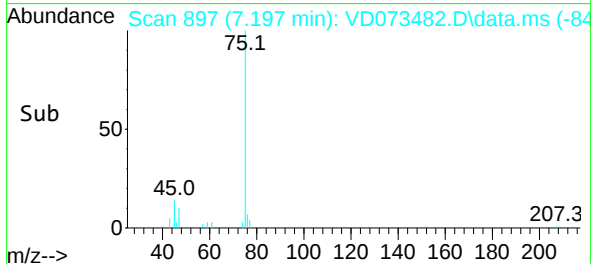
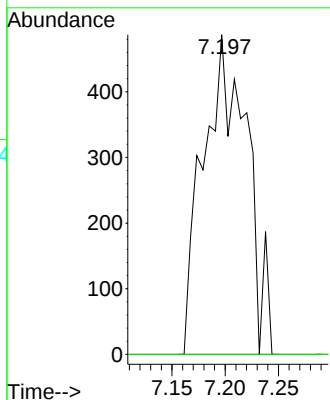
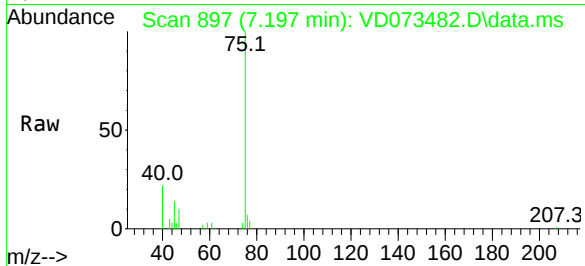




#25
2-Butanone
Concen: 1.702 ug/l
RT: 7.197 min Scan# 89
Delta R.T. -0.011 min
Lab File: VD073482.D
Acq: 06 Jun 2022 18:47

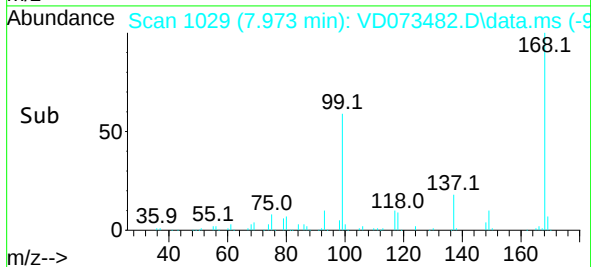
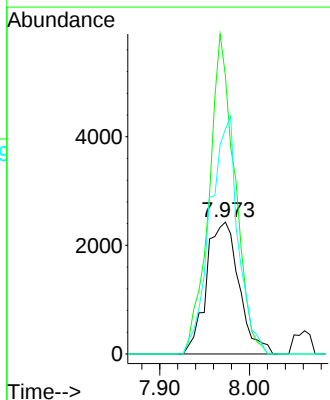
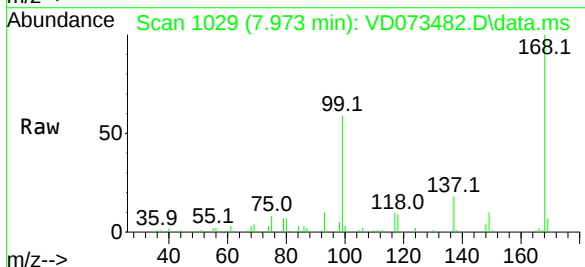
Instrument :
MSVOA_D
ClientSampleId :
SU-3-060322

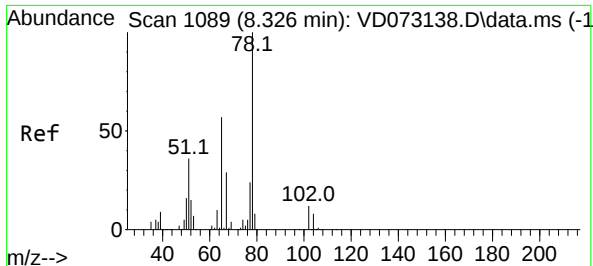
Tgt Ion: 43 Resp: 1380
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.097 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073482.D
Acq: 06 Jun 2022 18:47

Tgt Ion: 56 Resp: 6132
Ion Ratio Lower Upper
56 100
69 210.8 25.4 38.2#
84 170.4 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 45.248 ug/l

RT: 8.320 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD073482.D

Acq: 06 Jun 2022 18:47

Instrument :

MSVOA_D

ClientSampleId :

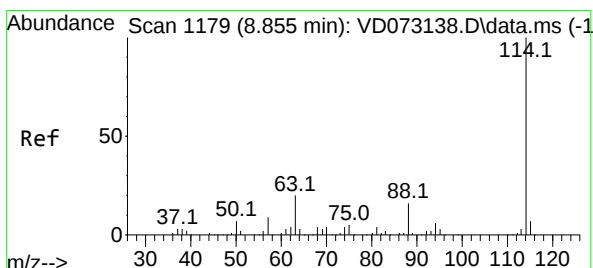
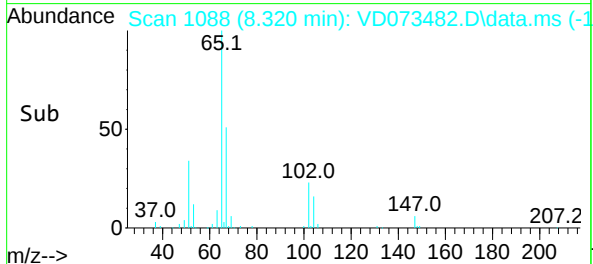
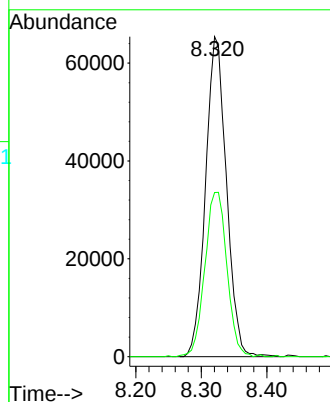
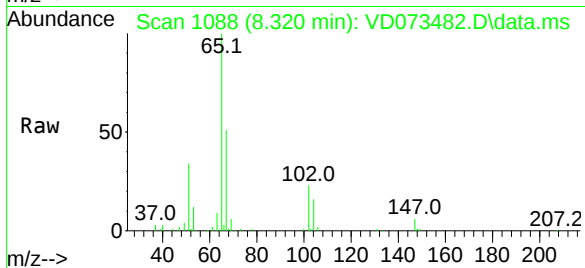
SU-3-060322

Tgt Ion: 65 Resp: 144736

Ion Ratio Lower Upper

65 100

67 54.2 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: VD073482.D

Acq: 06 Jun 2022 18:47

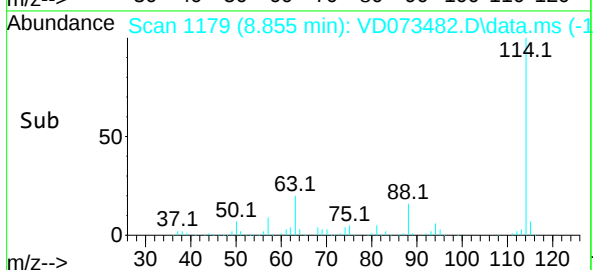
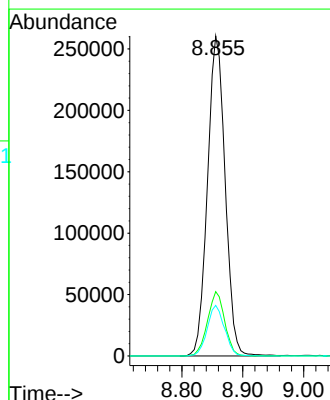
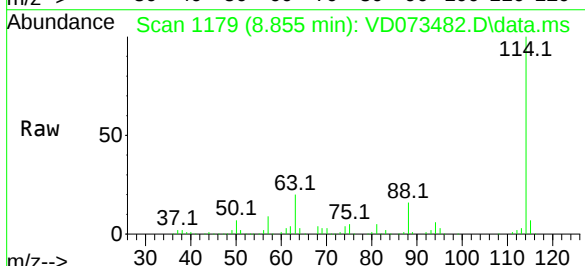
Tgt Ion: 114 Resp: 524597

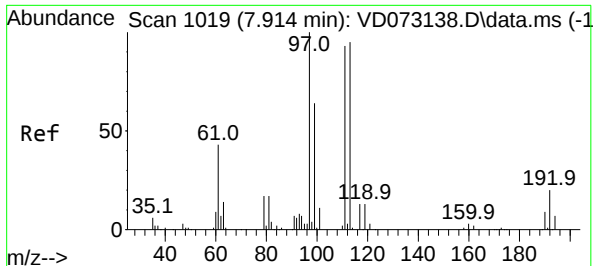
Ion Ratio Lower Upper

114 100

63 20.1 0.0 46.6

88 15.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.385 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.011 min

Lab File: VD073482.D

Acq: 06 Jun 2022 18:47

Instrument :

MSVOA_D

ClientSampleId :

SU-3-060322

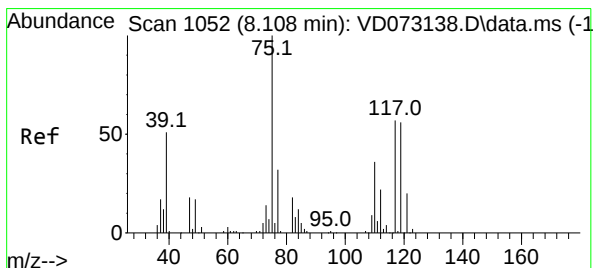
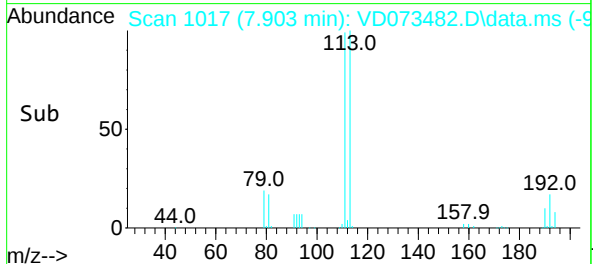
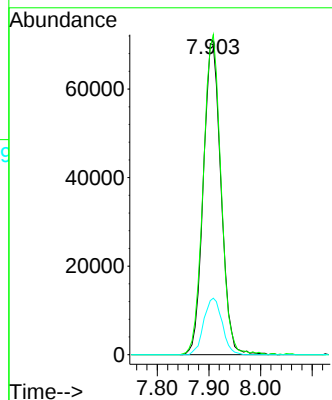
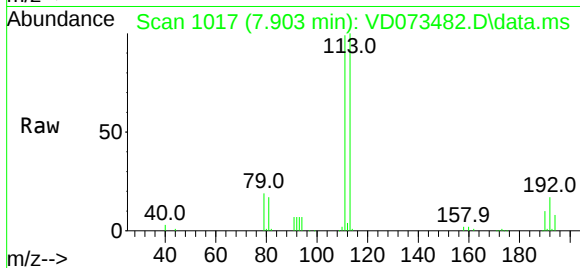
Tgt Ion:113 Resp: 167493

Ion Ratio Lower Upper

113 100

111 103.0 83.8 125.6

192 18.8 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.456 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073482.D

Acq: 06 Jun 2022 18:47

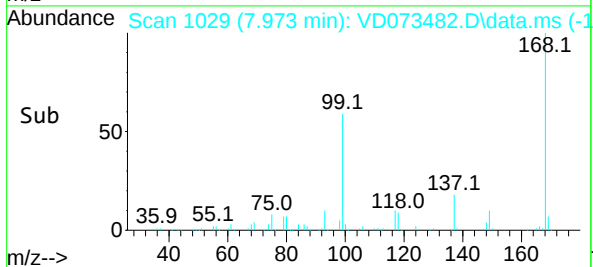
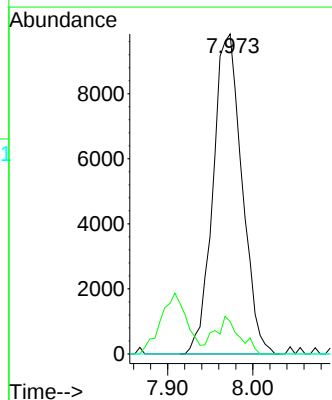
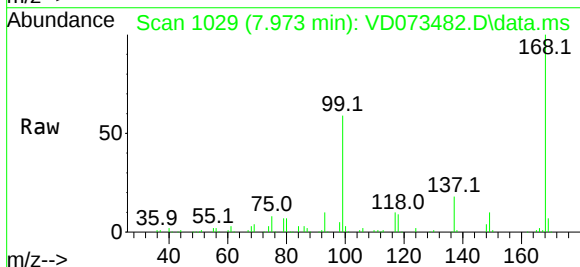
Tgt Ion: 75 Resp: 23200

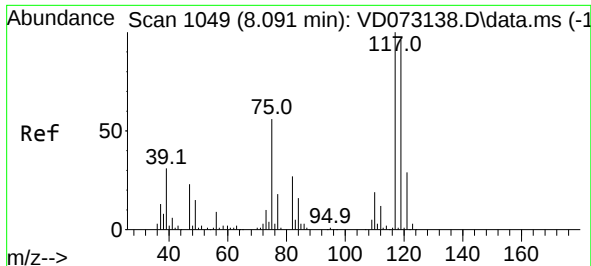
Ion Ratio Lower Upper

75 100

110 10.0 16.4 49.1#

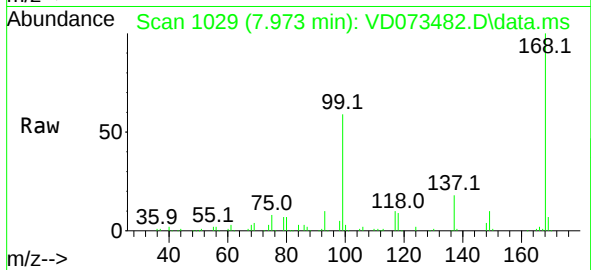
77 0.0 24.2 36.2#



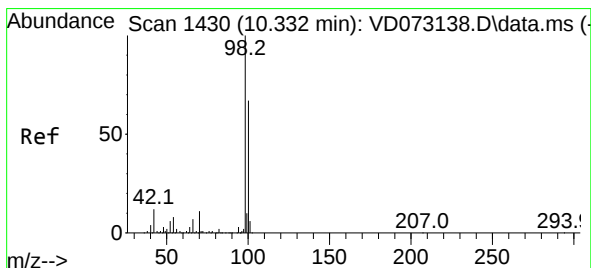
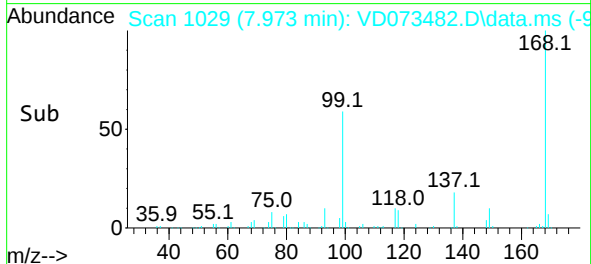
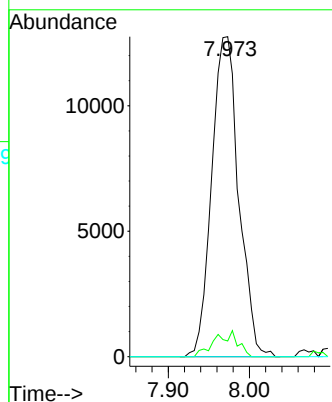


#38
Carbon Tetrachloride
Concen: 5.603 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073482.D
Acq: 06 Jun 2022 18:47

Instrument :
MSVOA_D
ClientSampleId :
SU-3-060322

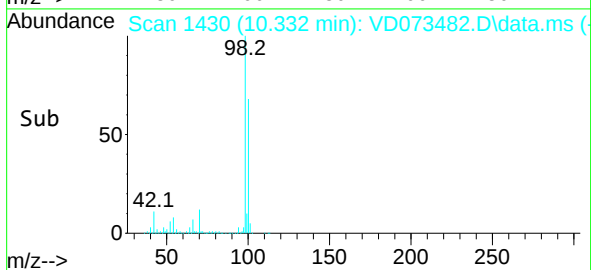
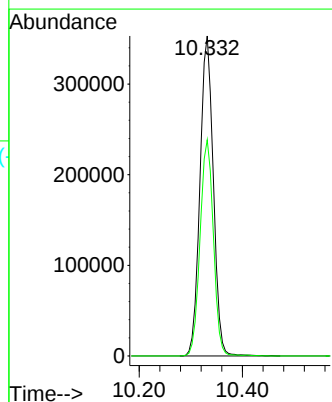
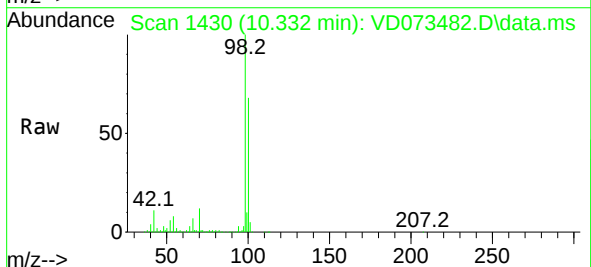


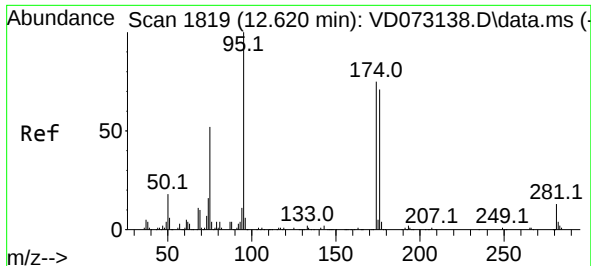
Tgt Ion:117 Resp: 29571
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.548 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073482.D
Acq: 06 Jun 2022 18:47

Tgt Ion: 98 Resp: 632256
Ion Ratio Lower Upper
98 100
100 67.5 52.4 78.6

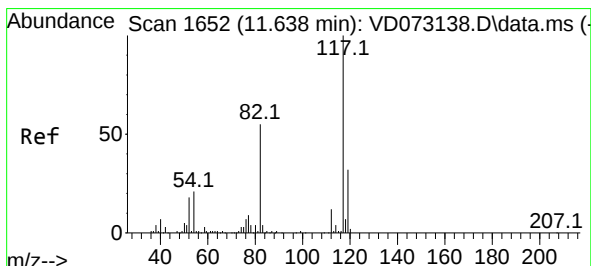
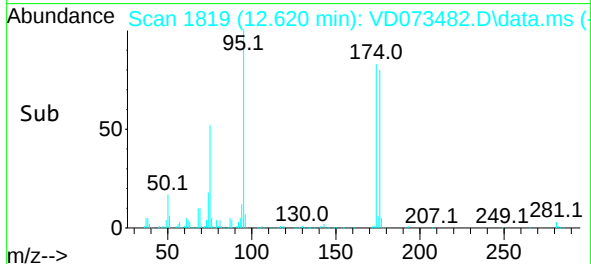
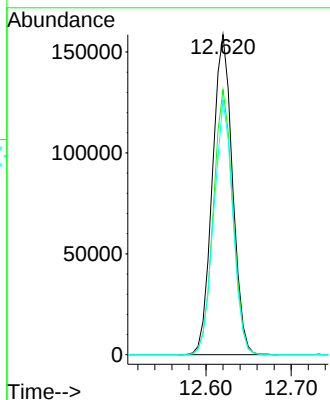
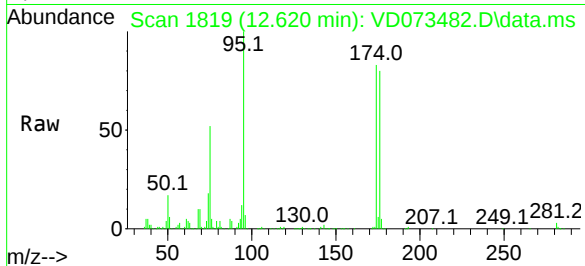




#62
4-Bromofluorobenzene
Concen: 57.894 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073482.D
Acq: 06 Jun 2022 18:47

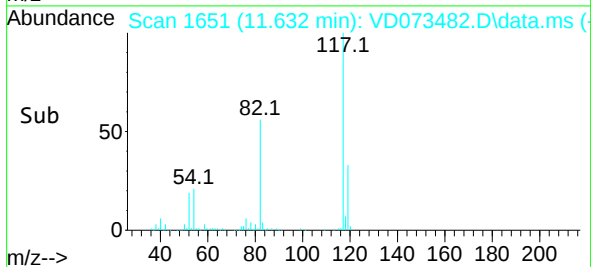
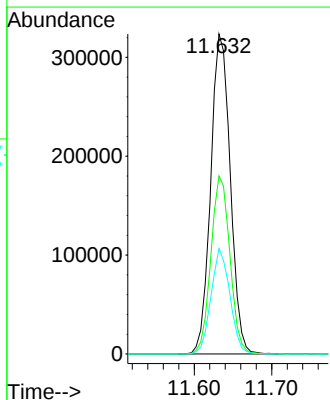
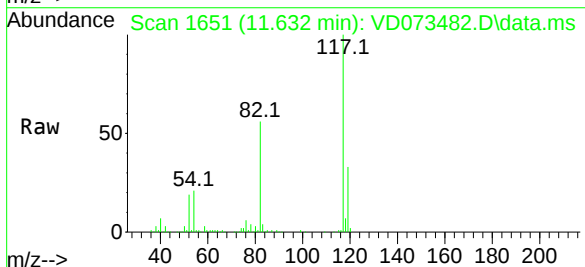
Instrument :
MSVOA_D
ClientSampleId :
SU-3-060322

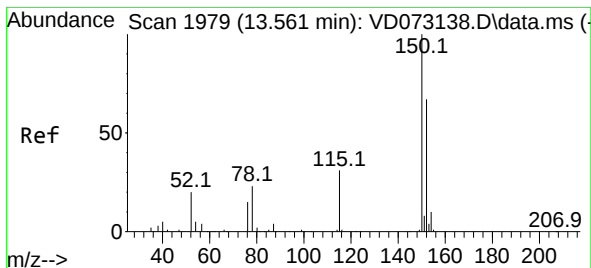
Tgt Ion: 95 Resp: 259260
Ion Ratio Lower Upper
95 100
174 80.6 0.0 152.8
176 76.1 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073482.D
Acq: 06 Jun 2022 18:47

Tgt Ion: 117 Resp: 567241
Ion Ratio Lower Upper
117 100
82 55.6 45.3 67.9
119 33.0 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: VD073482.D

Acq: 06 Jun 2022 18:47

Instrument :

MSVOA_D

ClientSampleId :

SU-3-060322

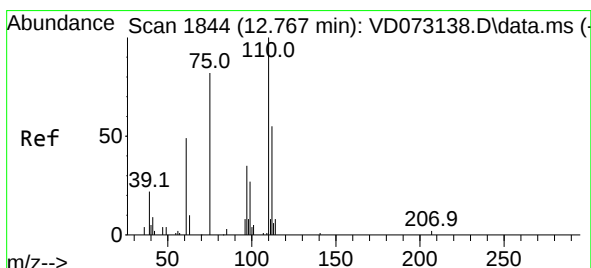
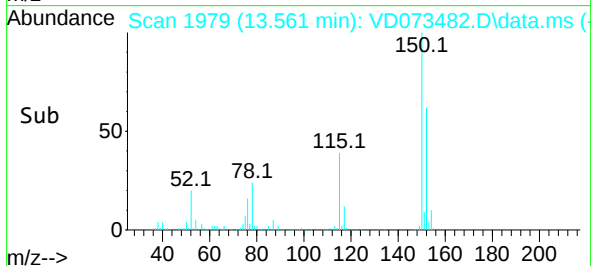
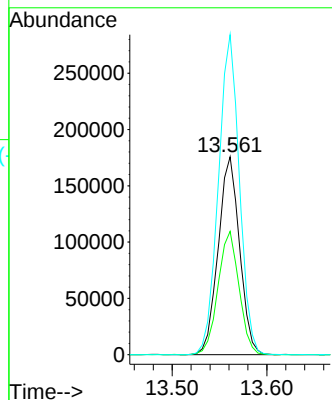
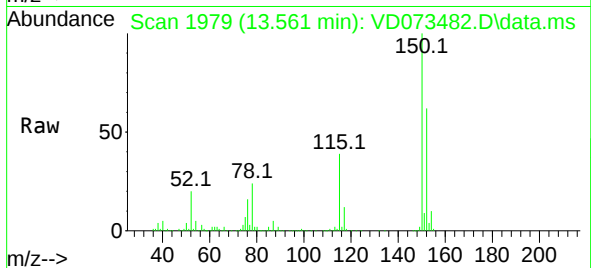
Tgt Ion:152 Resp: 275908

Ion Ratio Lower Upper

152 100

115 61.4 31.3 93.8

150 158.7 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 49.299 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073482.D

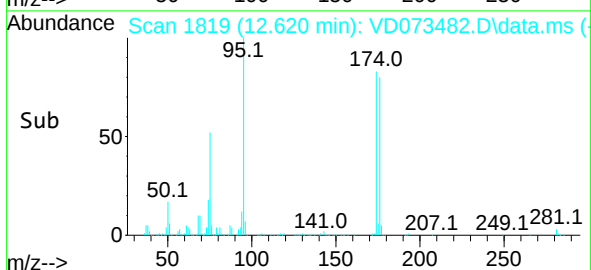
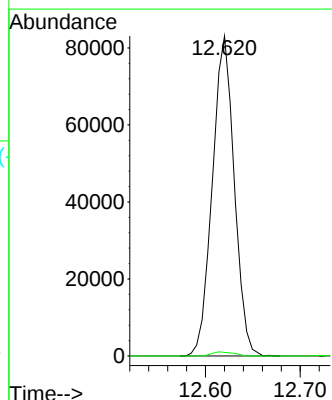
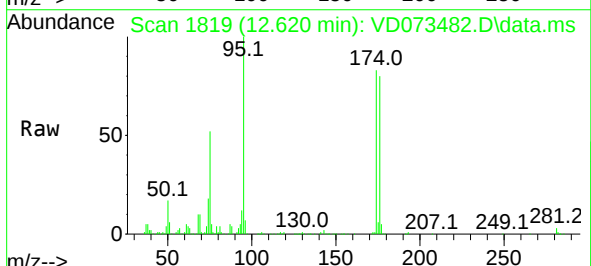
Acq: 06 Jun 2022 18:47

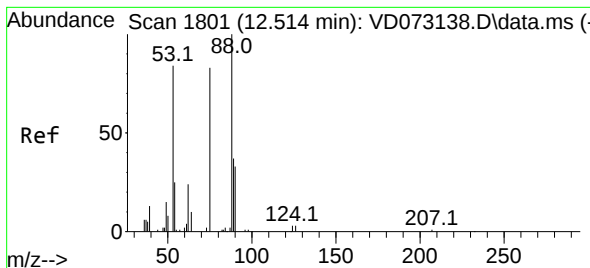
Tgt Ion: 75 Resp: 133460

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

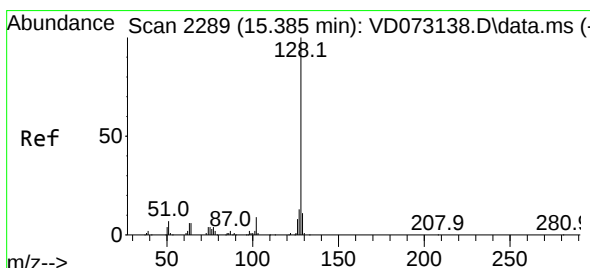
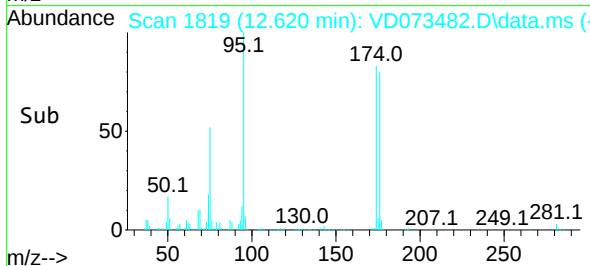
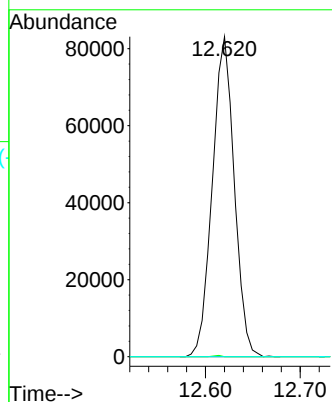
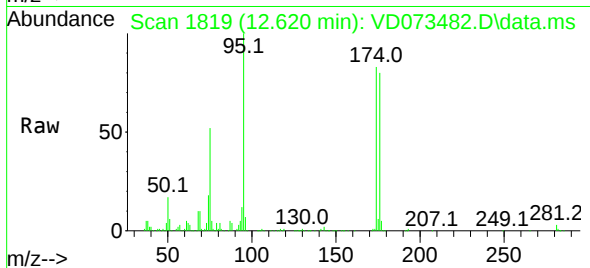




#81
 trans-1,4-Dichloro-2-butene
 Concen: 118.353 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD073482.D
 Acq: 06 Jun 2022 18:47

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-3-060322

Tgt Ion: 75 Resp: 133460
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.5 129.7#
 89 0.0 33.9 50.9#



#95
 Naphthalene
 Concen: 3.648 ug/l
 RT: 15.385 min Scan# 2289
 Delta R.T. -0.000 min
 Lab File: VD073482.D
 Acq: 06 Jun 2022 18:47

Tgt Ion: 128 Resp: 1037
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.4 12.6#

