

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
 Data File : VD073150.D
 Acq On : 19 May 2022 20:46
 Operator : VA/SY
 Sample : N2900-03
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-051722

Quant Time: May 20 01:50:58 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)

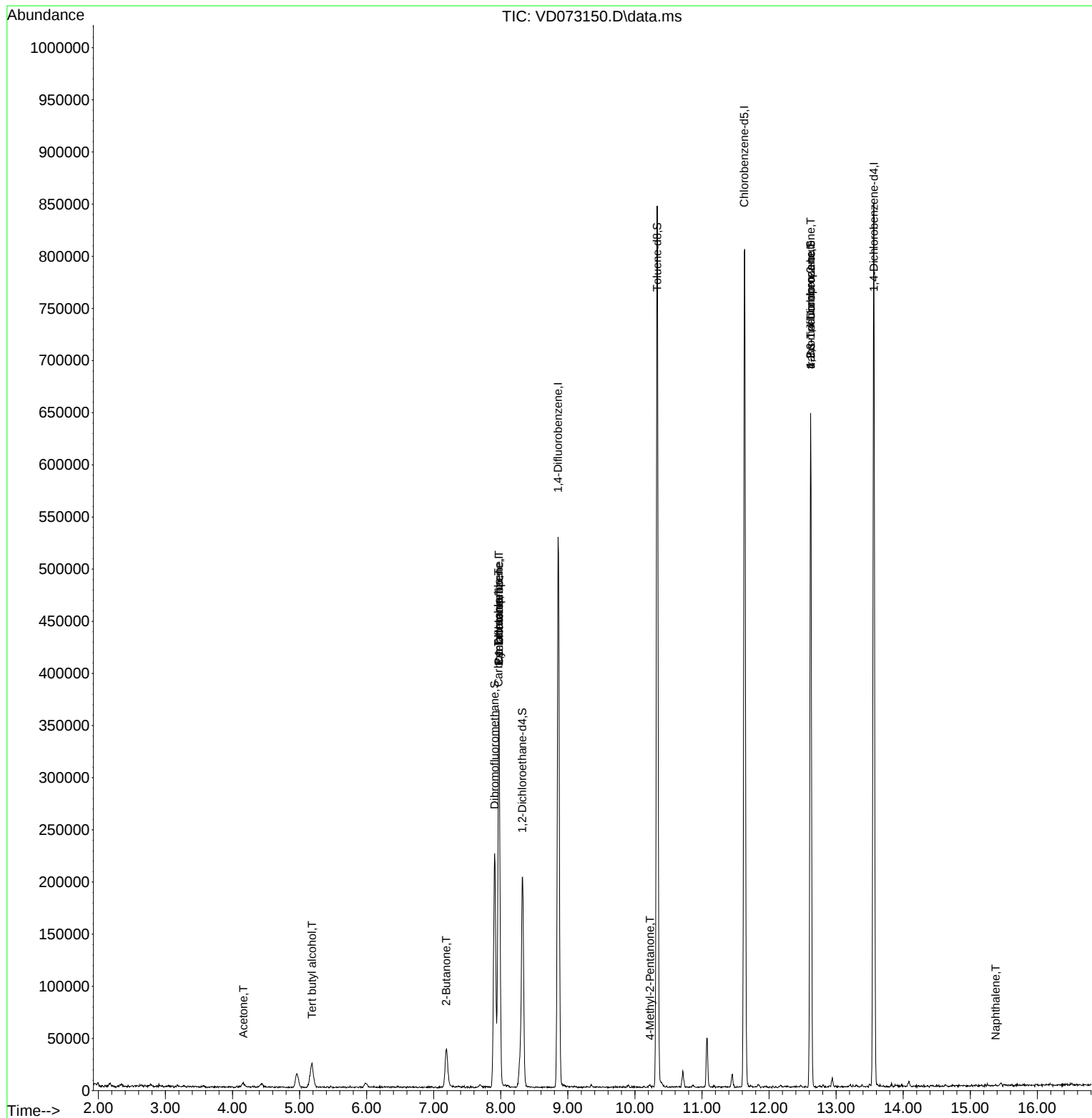
Internal Standards						
1) Pentafluorobenzene	7.973	168	254936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	451205	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	486189	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	224178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	163006	57.857	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.720%	
35) Dibromofluoromethane	7.908	113	158211	53.138	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.280%	
50) Toluene-d8	10.332	98	566401	51.607	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.220%	
62) 4-Bromofluorobenzene	12.620	95	212303	55.120	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 110.240%	
Target Compounds						Qvalue
5) Bromomethane	2.779	94	1068	Below Cal		84
11) Tert butyl alcohol	5.185	59	20351	46.557	ug/l #	74
16) Acetone	4.162	43	7950	16.291	ug/l	98
20) Methylene Chloride	4.967	84	10341	Below Cal	#	72
25) 2-Butanone	7.185	43	1238	1.734	ug/l	91
31) Cyclohexane	7.973	56	6886	1.399	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	21131	4.719	ug/l #	52
38) Carbon Tetrachloride	7.967	117	27684	6.099	ug/l #	16
51) 4-Methyl-2-Pentanone	10.226	43	2240	1.319	ug/l	97
76) 1,2,3-Trichloropropane	12.620	75	108188	49.186	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	108188	118.080	ug/l #	7
95) Naphthalene	15.379	128	511	3.606	ug/l #	70

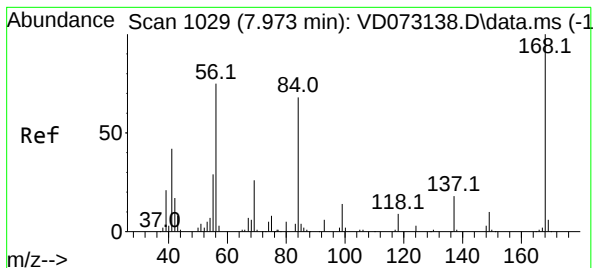
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SU-04-051722

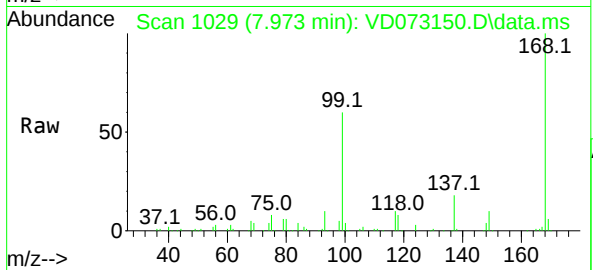
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 2022
Response via : Initial Calibration



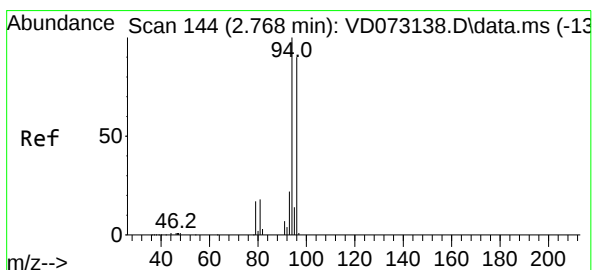
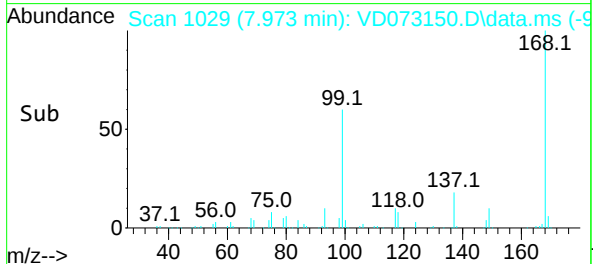
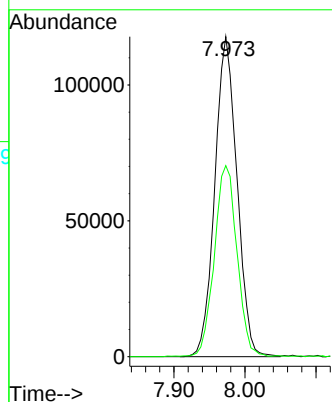


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073150.D
Acq: 19 May 2022 20:46

Instrument :
MSVOA_D
ClientSampleId :
SU-04-051722

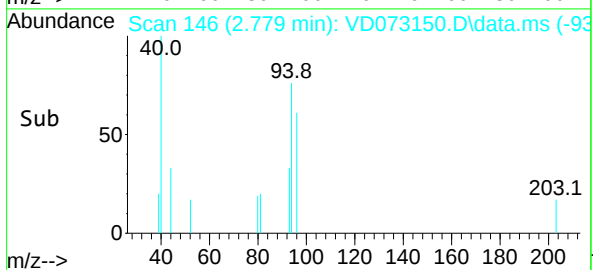
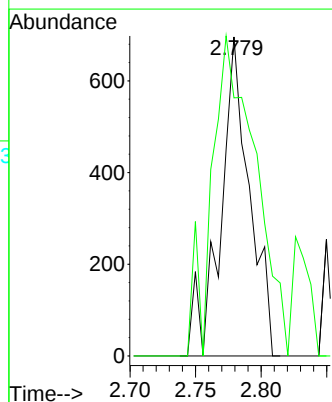
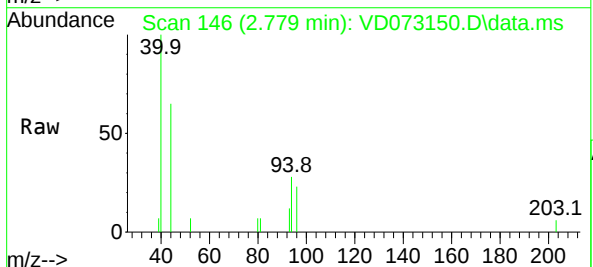


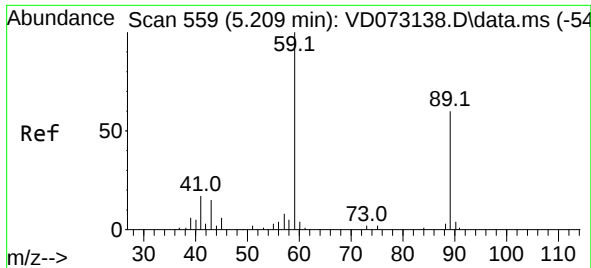
Tgt Ion:168 Resp: 254936
Ion Ratio Lower Upper
168 100
99 59.5 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073150.D
Acq: 19 May 2022 20:46

Tgt Ion: 94 Resp: 1068
Ion Ratio Lower Upper
94 100
96 80.9 77.6 116.4

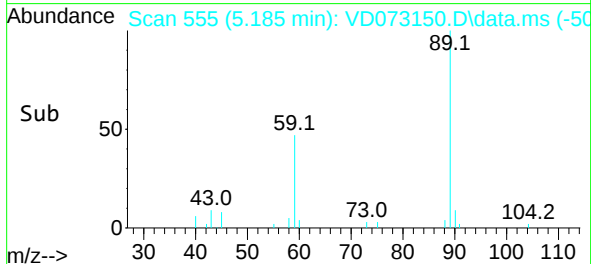
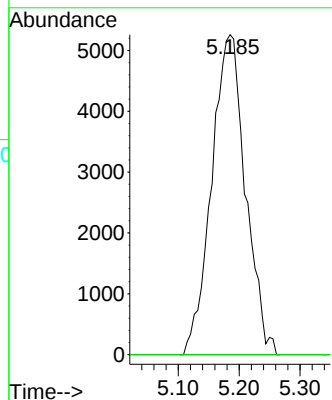
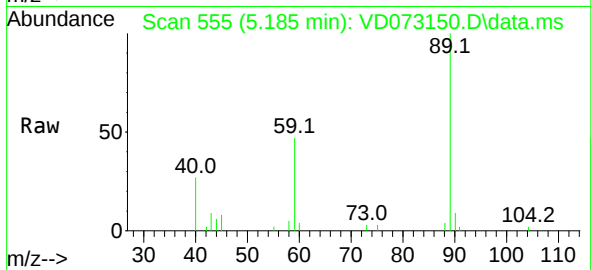




#11
Tert butyl alcohol
Concen: 46.557 ug/l
RT: 5.185 min Scan# 51
Delta R.T. -0.024 min
Lab File: VD073150.D
Acq: 19 May 2022 20:46

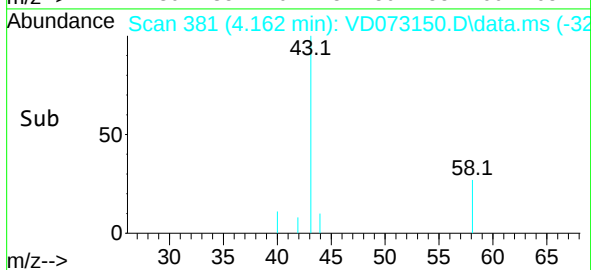
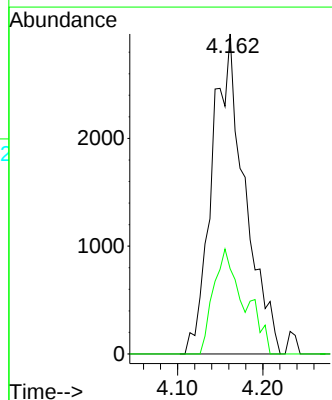
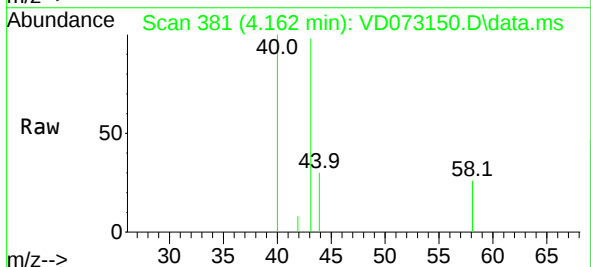
Instrument :
MSVOA_D
ClientSampleId :
SU-04-051722

Tgt Ion: 59 Resp: 20351
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 16.291 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD073150.D
Acq: 19 May 2022 20:46

Tgt Ion: 43 Resp: 7950
Ion Ratio Lower Upper
43 100
58 26.6 22.1 33.1

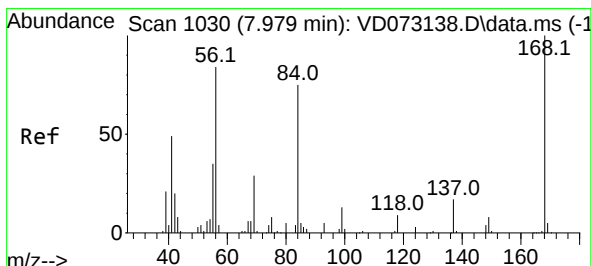
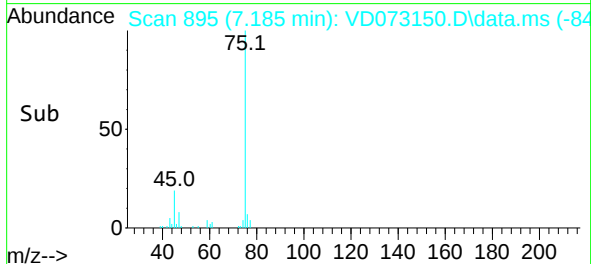
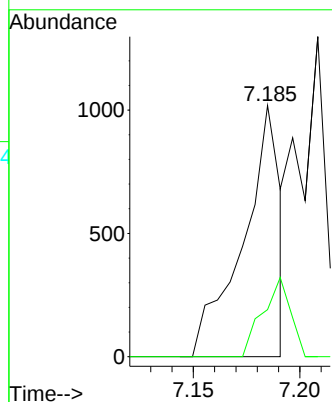
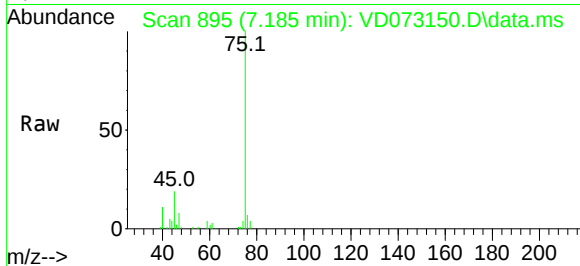




#25
2-Butanone
Concen: 1.734 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.023 min
Lab File: VD073150.D
Acq: 19 May 2022 20:46

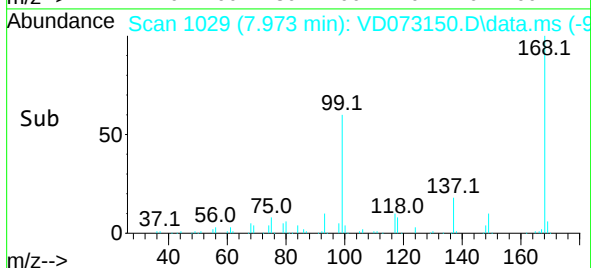
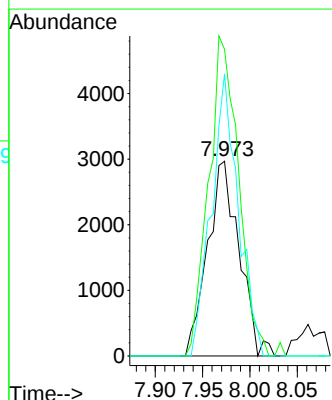
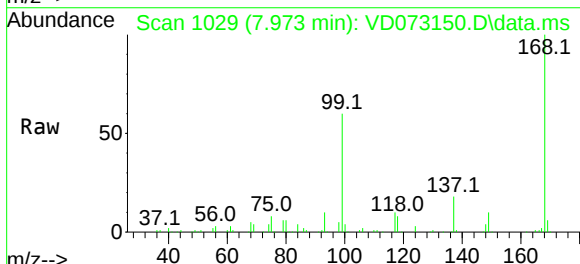
Instrument :
MSVOA_D
ClientSampleId :
SU-04-051722

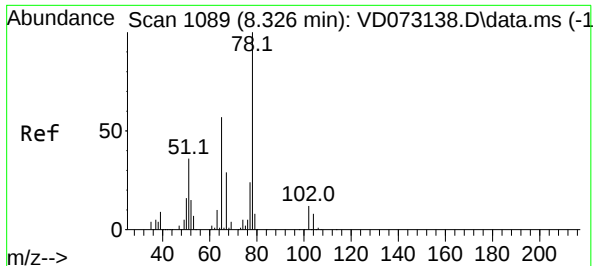
Tgt Ion: 43 Resp: 1238
Ion Ratio Lower Upper
43 100
72 18.7 18.6 27.8



#31
Cyclohexane
Concen: 1.399 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073150.D
Acq: 19 May 2022 20:46

Tgt Ion: 56 Resp: 6886
Ion Ratio Lower Upper
56 100
69 157.5 25.4 38.2#
84 144.8 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 57.857 ug/l

RT: 8.320 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD073150.D

Acq: 19 May 2022 20:46

Instrument :

MSVOA_D

ClientSampleId :

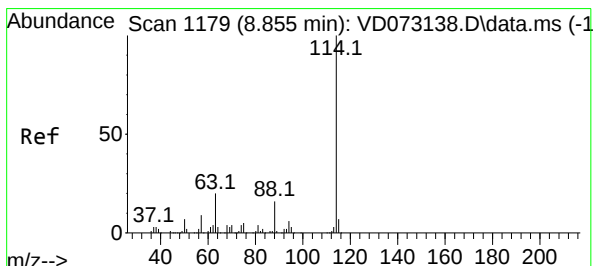
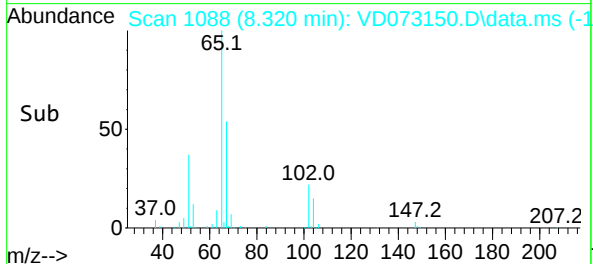
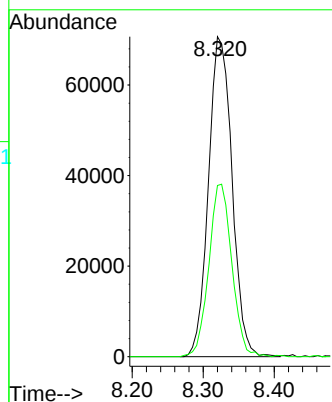
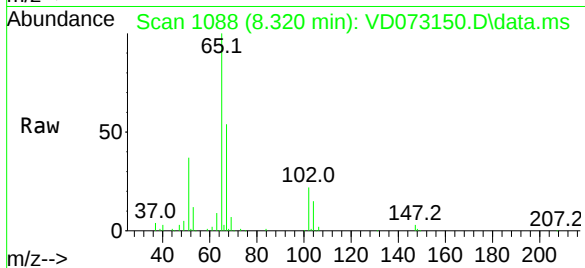
SU-04-051722

Tgt Ion: 65 Resp: 163006

Ion Ratio Lower Upper

65 100

67 52.6 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: VD073150.D

Acq: 19 May 2022 20:46

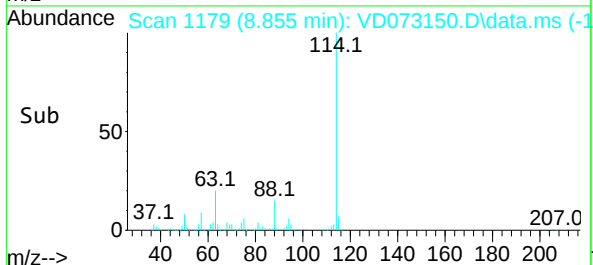
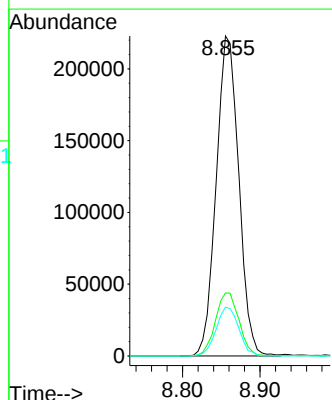
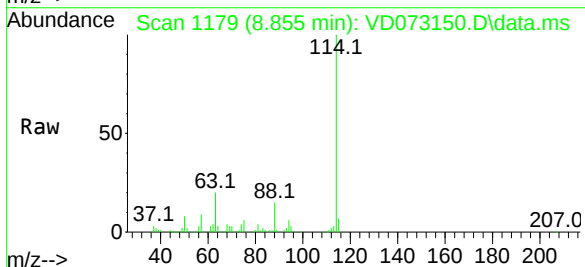
Tgt Ion: 114 Resp: 451205

Ion Ratio Lower Upper

114 100

63 19.7 0.0 46.6

88 15.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 53.138 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073150.D

Acq: 19 May 2022 20:46

Instrument :

MSVOA_D

ClientSampleId :

SU-04-051722

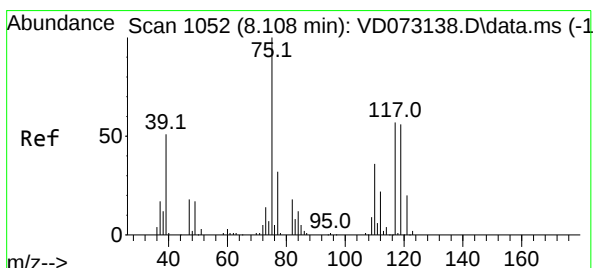
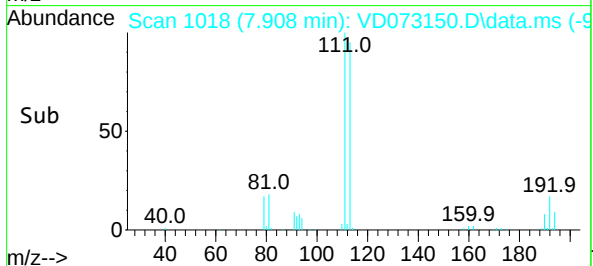
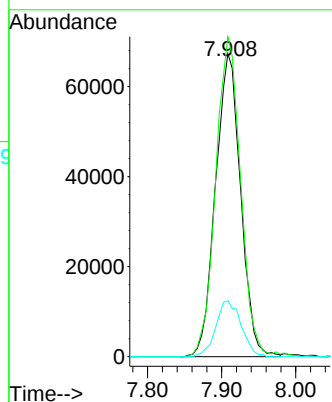
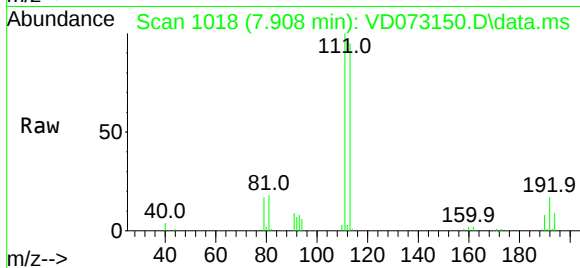
Tgt Ion:113 Resp: 158211

Ion Ratio Lower Upper

113 100

111 104.7 83.8 125.6

192 18.6 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.719 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073150.D

Acq: 19 May 2022 20:46

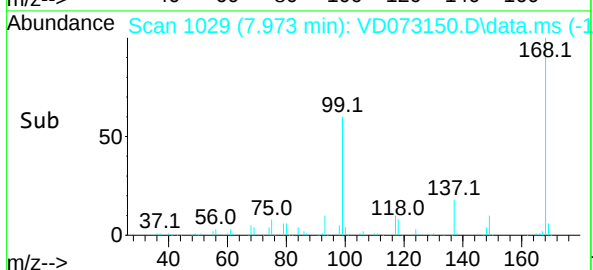
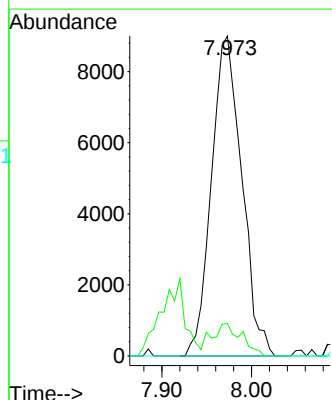
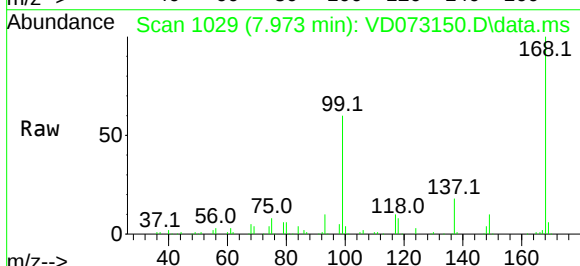
Tgt Ion: 75 Resp: 21131

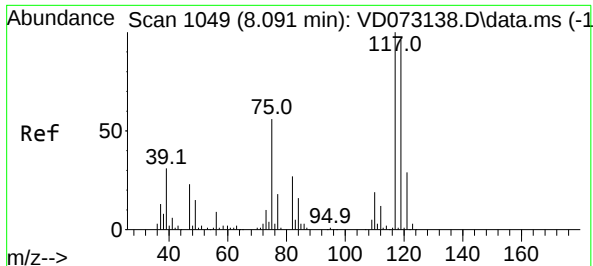
Ion Ratio Lower Upper

75 100

110 10.0 16.4 49.1#

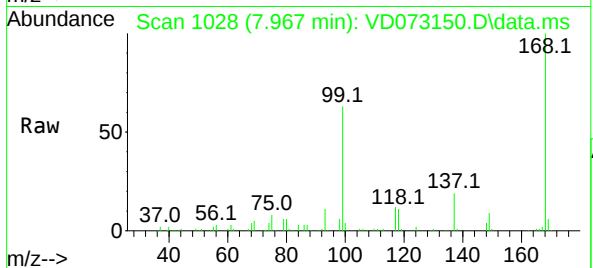
77 0.0 24.2 36.2#



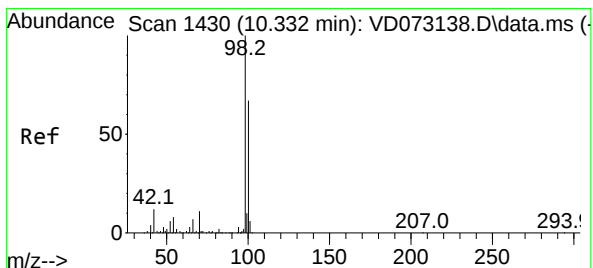
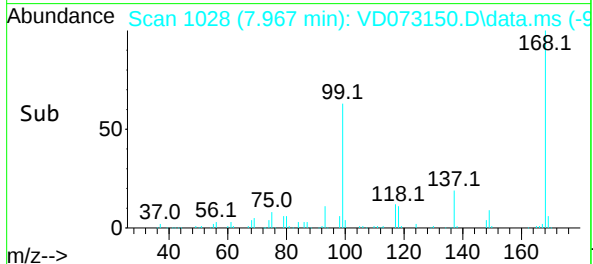
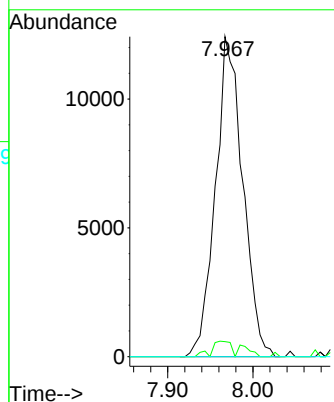


#38
Carbon Tetrachloride
Concen: 6.099 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.124 min
Lab File: VD073150.D
Acq: 19 May 2022 20:46

Instrument :
MSVOA_D
ClientSampleId :
SU-04-051722

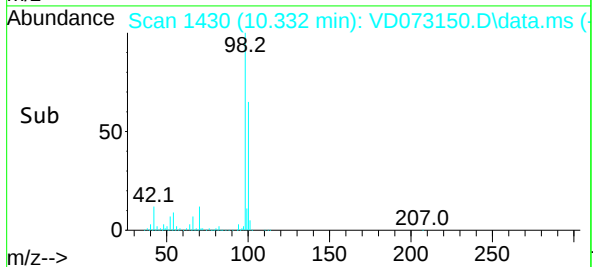
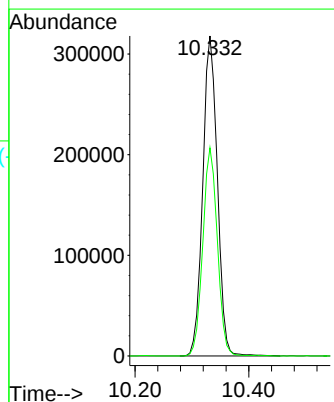
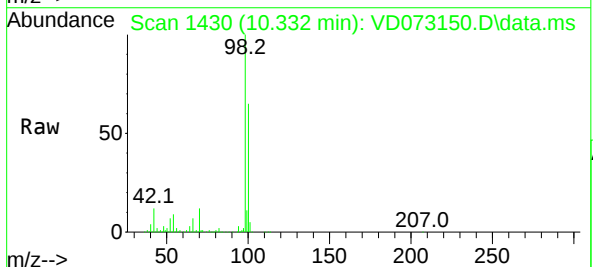


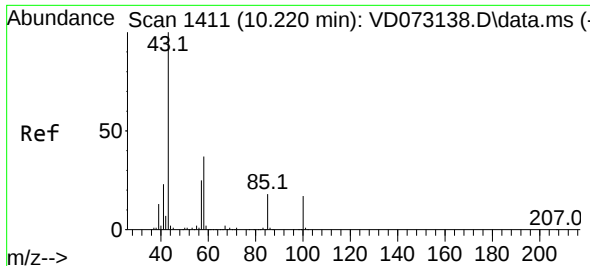
Tgt Ion:117 Resp: 27684
Ion Ratio Lower Upper
117 100
119 4.7 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 51.607 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073150.D
Acq: 19 May 2022 20:46

Tgt Ion: 98 Resp: 566401
Ion Ratio Lower Upper
98 100
100 64.8 52.4 78.6

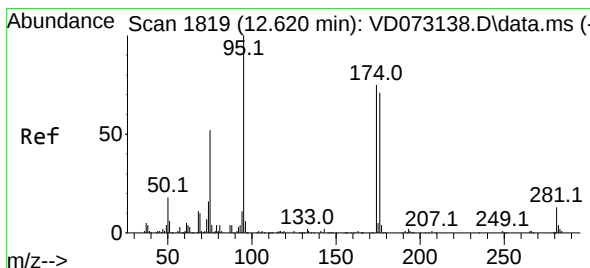
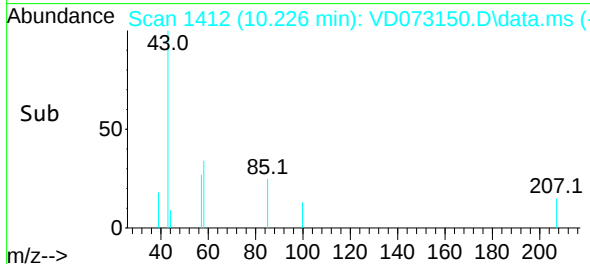
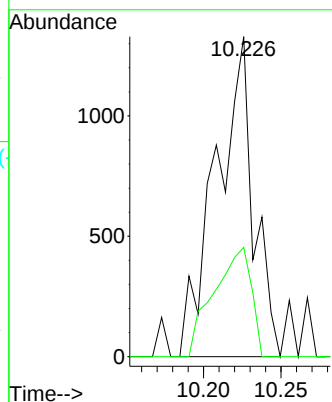
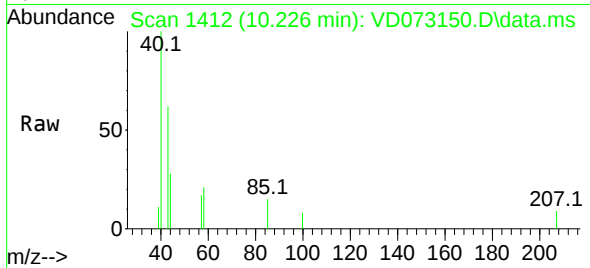




#51
4-Methyl-2-Pentanone
Concen: 1.319 ug/l
RT: 10.226 min Scan# 1411
Delta R.T. 0.006 min
Lab File: VD073150.D
Acq: 19 May 2022 20:46

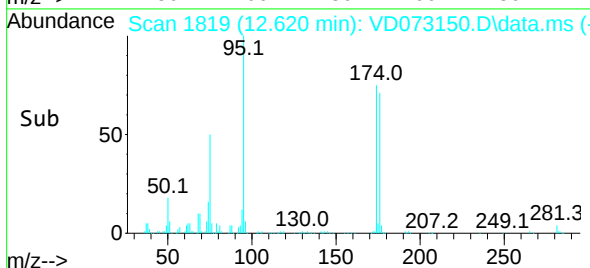
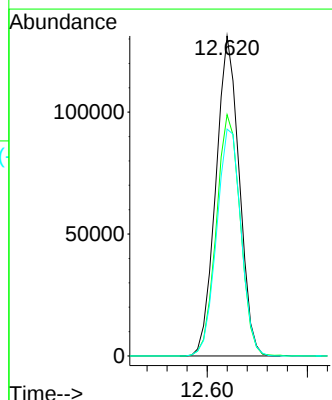
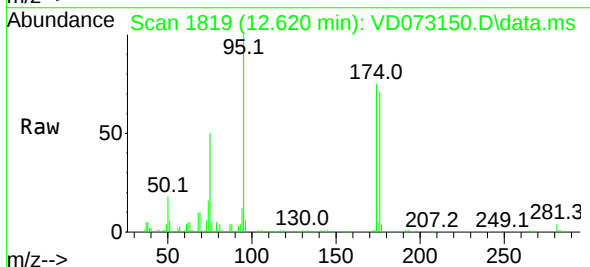
Instrument :
MSVOA_D
ClientSampleId :
SU-04-051722

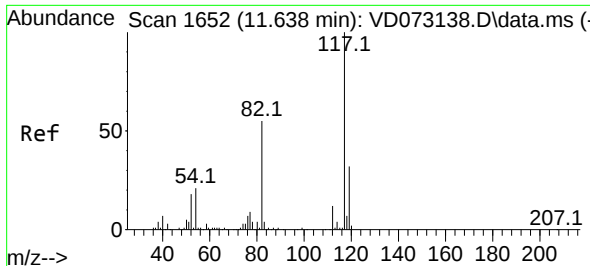
Tgt Ion: 43 Resp: 2240
Ion Ratio Lower Upper
43 100
58 34.1 28.6 43.0



#62
4-Bromofluorobenzene
Concen: 55.120 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073150.D
Acq: 19 May 2022 20:46

Tgt Ion: 95 Resp: 212303
Ion Ratio Lower Upper
95 100
174 77.1 0.0 152.8
176 74.0 0.0 145.4

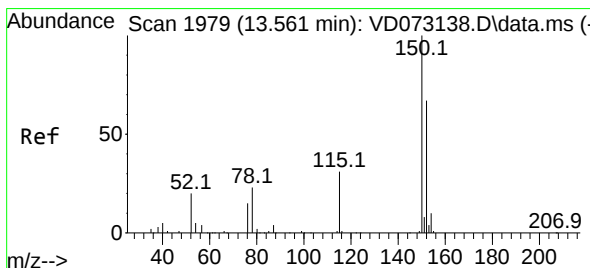
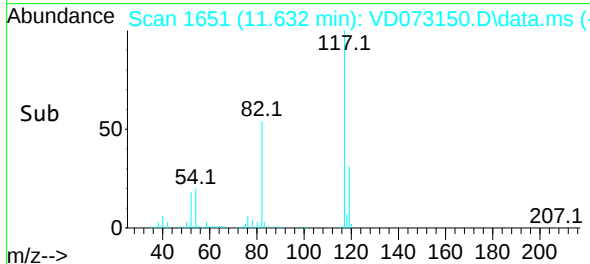
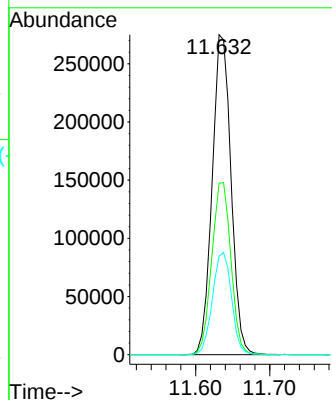
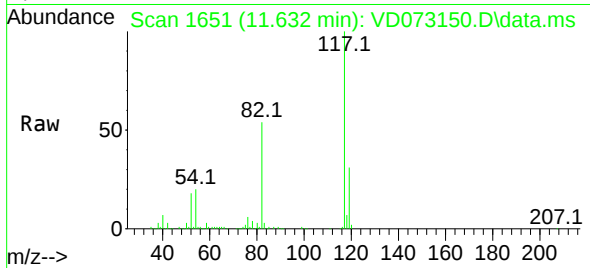




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD073150.D
Acq: 19 May 2022 20:46

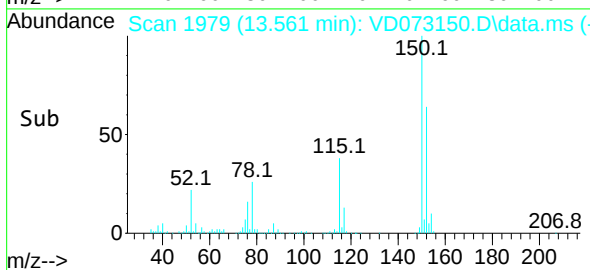
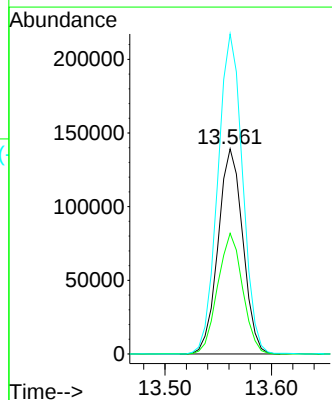
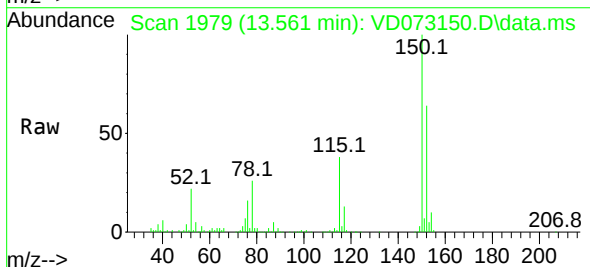
Instrument :
MSVOA_D
ClientSampleId :
SU-04-051722

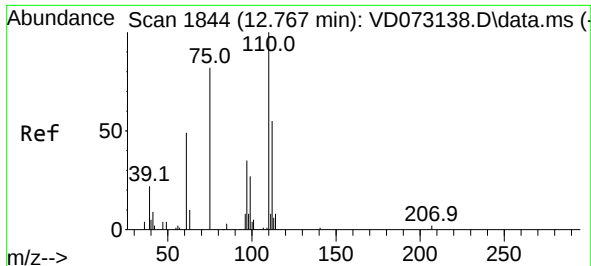
Tgt Ion:117 Resp: 486189
Ion Ratio Lower Upper
117 100
82 53.5 45.3 67.9
119 30.8 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073150.D
Acq: 19 May 2022 20:46

Tgt Ion:152 Resp: 224178
Ion Ratio Lower Upper
152 100
115 59.2 31.3 93.8
150 157.0 0.0 348.6

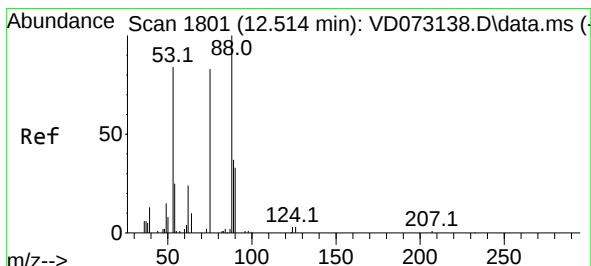
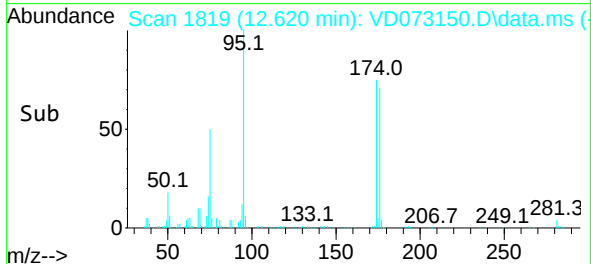
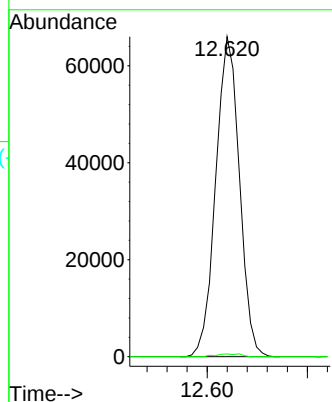
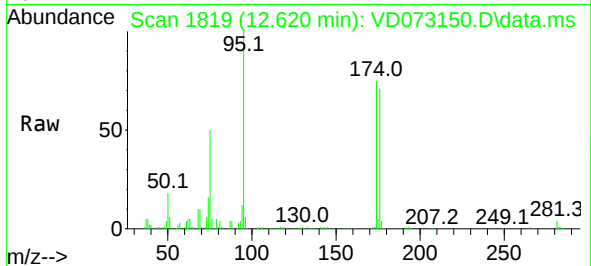




#76
1,2,3-Trichloropropane
Concen: 49.186 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073150.D
Acq: 19 May 2022 20:46

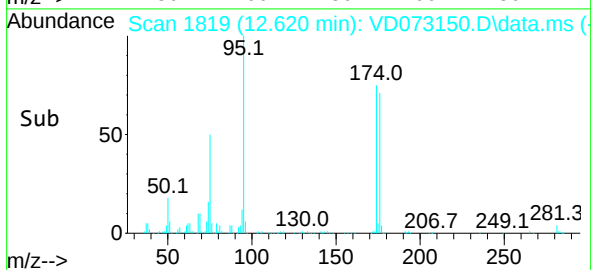
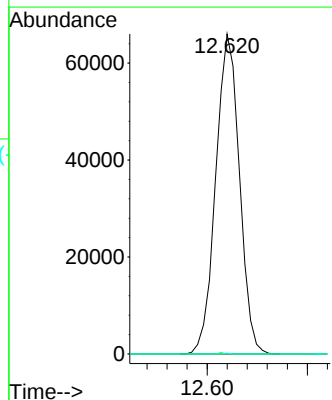
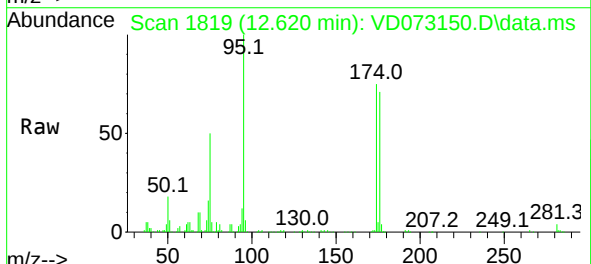
Instrument :
MSVOA_D
ClientSampleId :
SU-04-051722

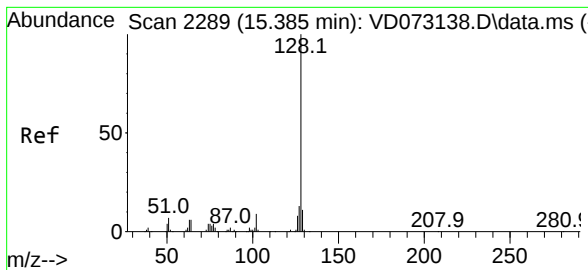
Tgt Ion: 75 Resp: 108188
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 118.080 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073150.D
Acq: 19 May 2022 20:46

Tgt Ion: 75 Resp: 108188
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.1 33.9 50.9#





#95
 Naphthalene
 Concen: 3.606 ug/l
 RT: 15.379 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VD073150.D
 Acq: 19 May 2022 20:46

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-051722

Tgt Ion:	128	Resp:	511
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

