

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
 Data File : VD073149.D
 Acq On : 19 May 2022 20:17
 Operator : VA/SY
 Sample : N2900-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-02-051722

Quant Time: May 20 01:50:47 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)

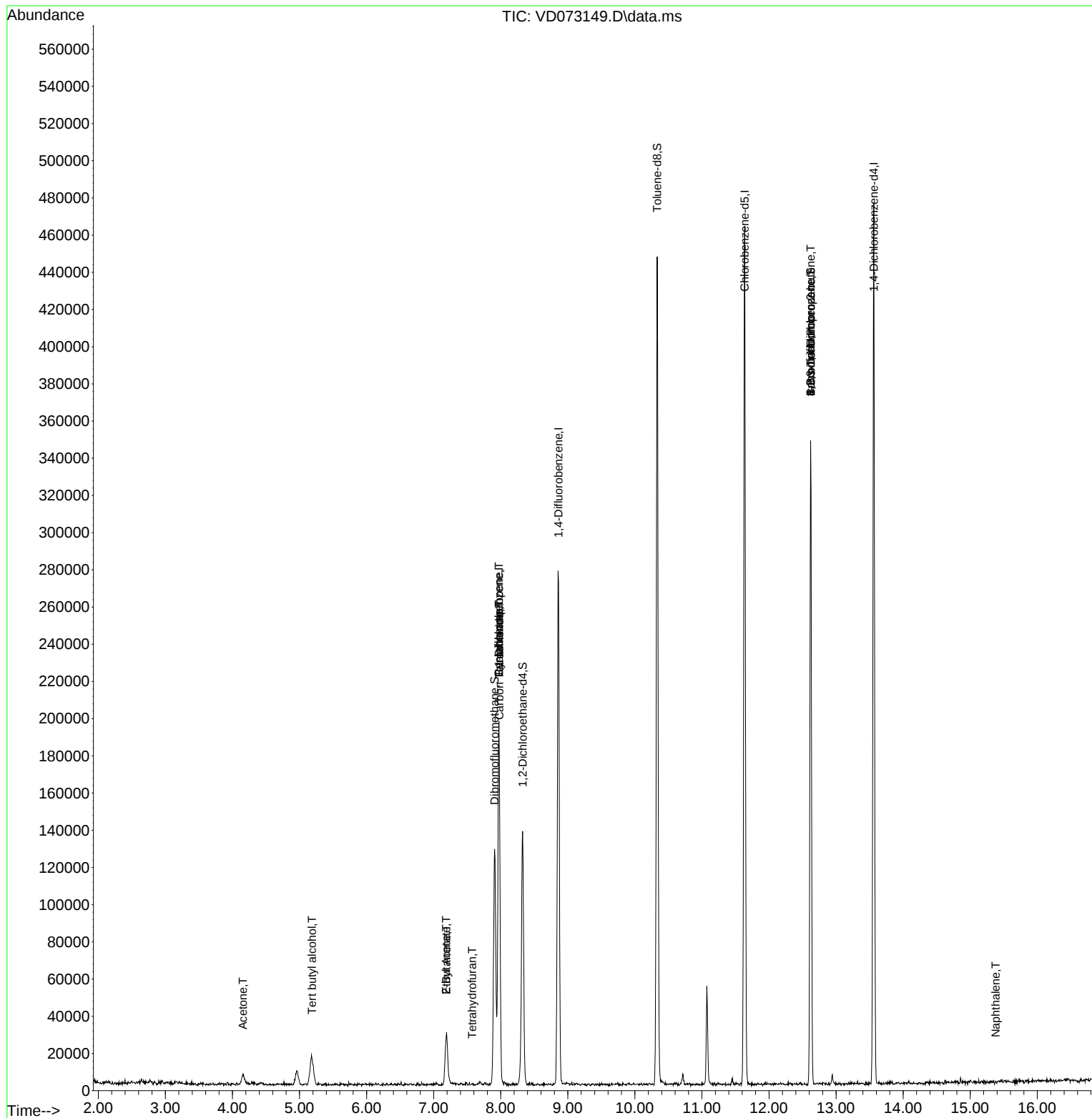
Internal Standards						
1) Pentafluorobenzene	7.973	168	137162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	236130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	265126	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	123054	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	106575	70.308	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 140.620%			
35) Dibromofluoromethane	7.909	113	91506	58.728	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 117.460%			
50) Toluene-d8	10.332	98	292340	50.898	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.800%			
62) 4-Bromofluorobenzene	12.620	95	113148	56.133	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 112.260%			
Target Compounds						
5) Bromomethane	2.779	94	1277	Below Cal		90
11) Tert butyl alcohol	5.185	59	13398	56.969 ug/l #		74
16) Acetone	4.156	43	10080	38.392 ug/l		90
20) Methylene Chloride	4.956	84	6032	Below Cal #		80
25) 2-Butanone	7.185	43	1828	4.759 ug/l #		52
29) Tetrahydrofuran	7.573	42	362	1.457 ug/l #		38
31) Cyclohexane	7.973	56	3487	1.316 ug/l #		1
36) 1,1-Dichloropropene	7.973	75	11276	4.812 ug/l #		51
37) Ethyl Acetate	7.185	43	1828	1.975 ug/l #		1
38) Carbon Tetrachloride	7.979	117	13779	5.801 ug/l #		17
71) Bromoform	12.620	173	1143	1.101 ug/l #		1
76) 1,2,3-Trichloropropane	12.620	75	58038	48.070 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.620	75	58038	115.401 ug/l #		7
95) Naphthalene	15.379	128	287	3.608 ug/l #		70

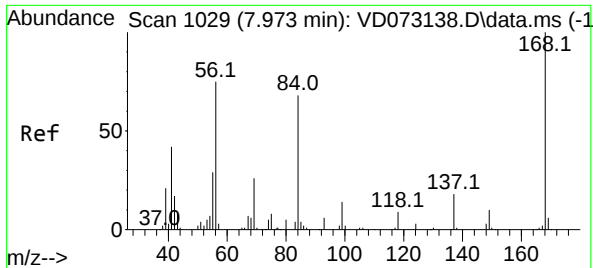
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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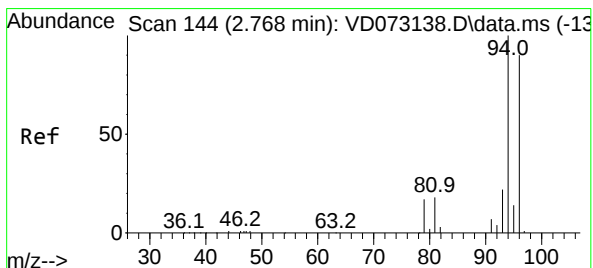
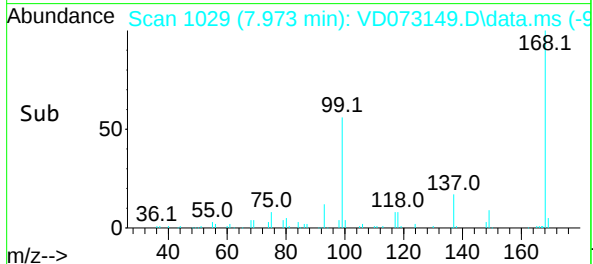
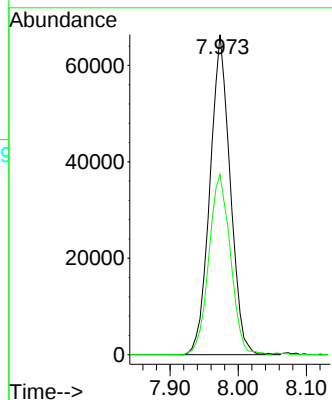
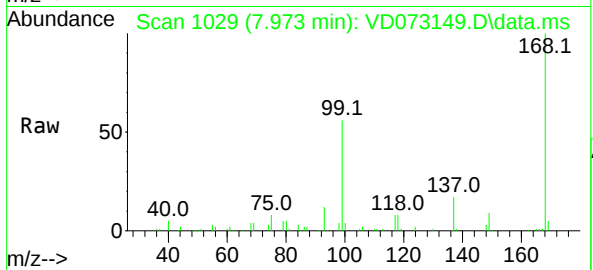




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073149.D
Acq: 19 May 2022 20:17

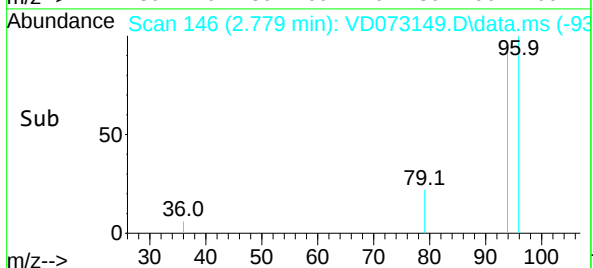
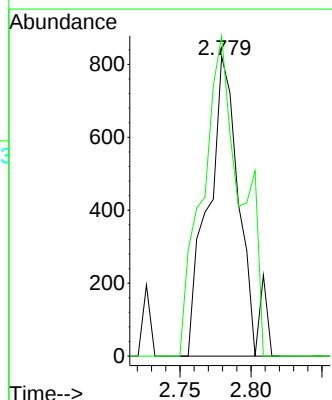
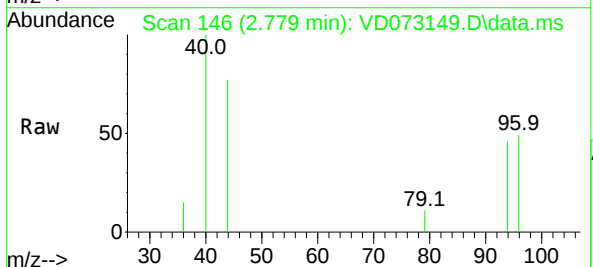
Instrument :
MSVOA_D
ClientSampleId :
SU-02-051722

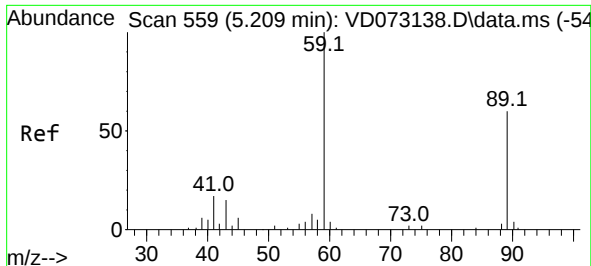
Tgt Ion:168 Resp: 137162
Ion Ratio Lower Upper
168 100
99 56.3 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073149.D
Acq: 19 May 2022 20:17

Tgt Ion: 94 Resp: 1277
Ion Ratio Lower Upper
94 100
96 106.8 77.6 116.4

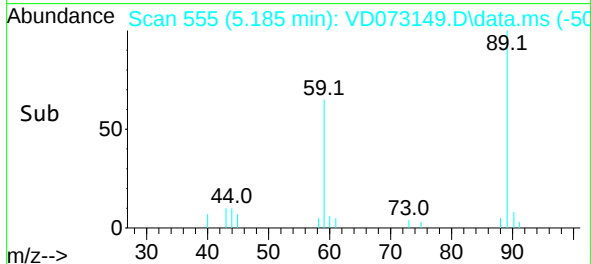
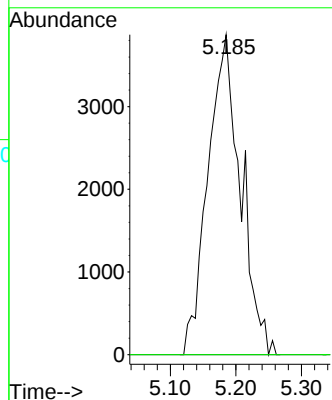
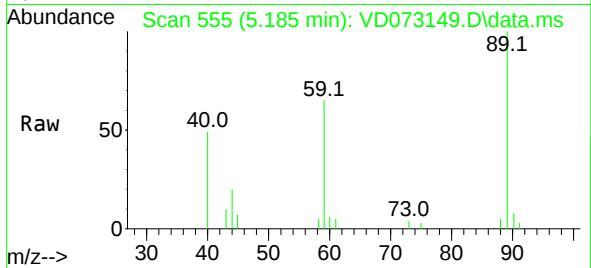




#11
Tert butyl alcohol
Concen: 56.969 ug/l
RT: 5.185 min Scan# 51
Delta R.T. -0.024 min
Lab File: VD073149.D
Acq: 19 May 2022 20:17

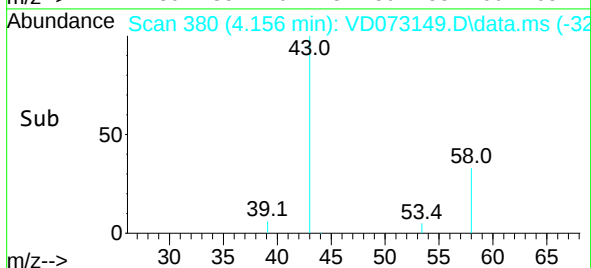
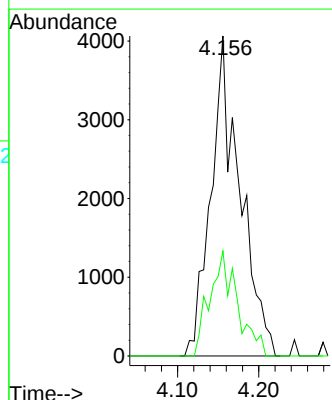
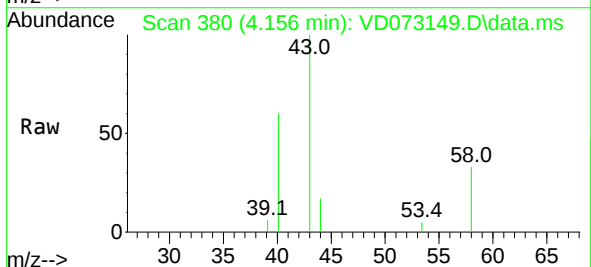
Instrument :
MSVOA_D
ClientSampleId :
SU-02-051722

Tgt Ion: 59 Resp: 13398
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 38.392 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD073149.D
Acq: 19 May 2022 20:17

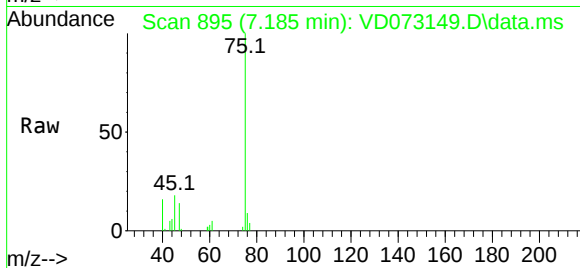
Tgt Ion: 43 Resp: 10080
Ion Ratio Lower Upper
43 100
58 32.8 22.1 33.1



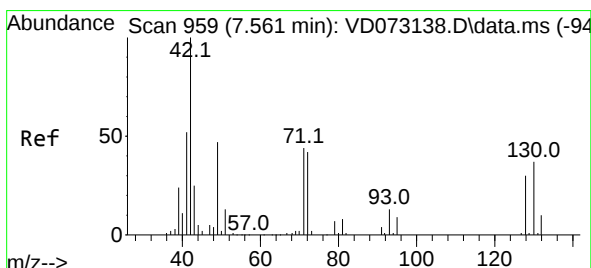
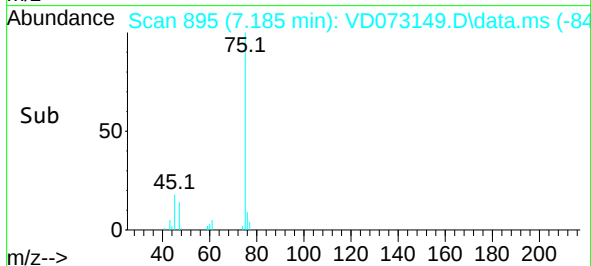
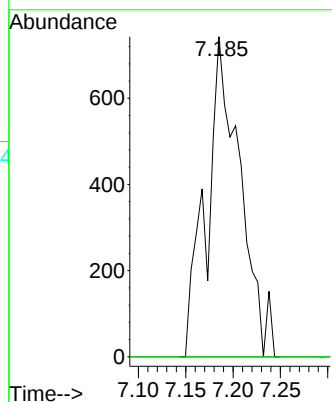


#25
2-Butanone
Concen: 4.759 ug/l
RT: 7.185 min Scan# 899
Delta R.T. -0.023 min
Lab File: VD073149.D
Acq: 19 May 2022 20:17

Instrument :
MSVOA_D
ClientSampleId :
SU-02-051722

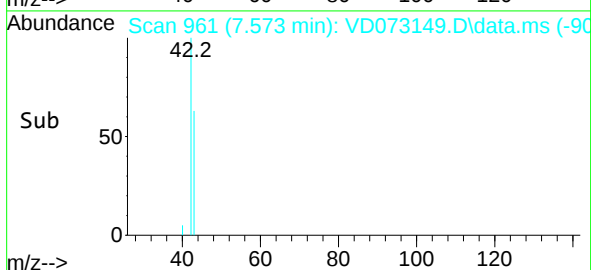
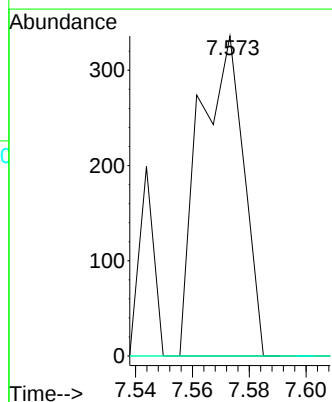
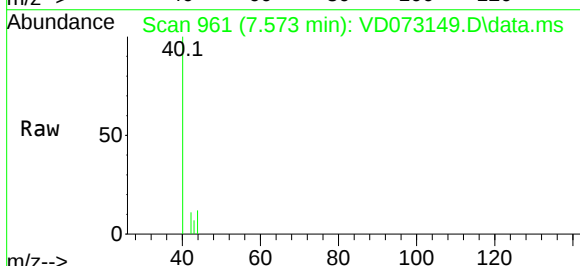


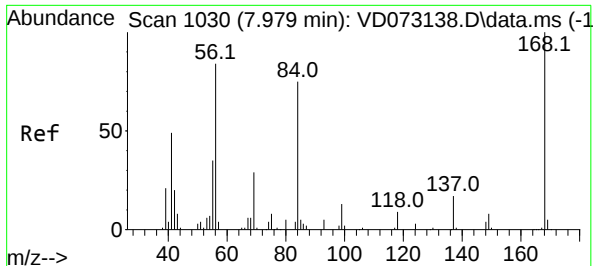
Tgt Ion: 43 Resp: 1828
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#29
Tetrahydrofuran
Concen: 1.457 ug/l
RT: 7.573 min Scan# 961
Delta R.T. 0.012 min
Lab File: VD073149.D
Acq: 19 May 2022 20:17

Tgt Ion: 42 Resp: 362
Ion Ratio Lower Upper
42 100
72 0.0 30.7 46.1#
71 0.0 28.6 43.0#





#31

Cyclohexane

Concen: 1.316 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073149.D

Acq: 19 May 2022 20:17

Instrument :

MSVOA_D

ClientSampleId :

SU-02-051722

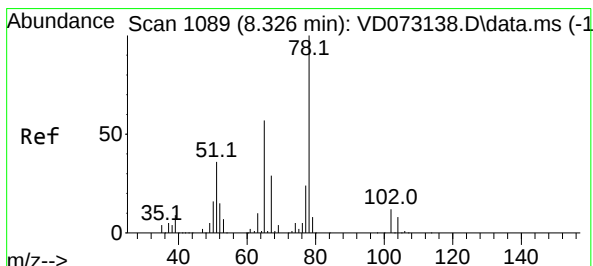
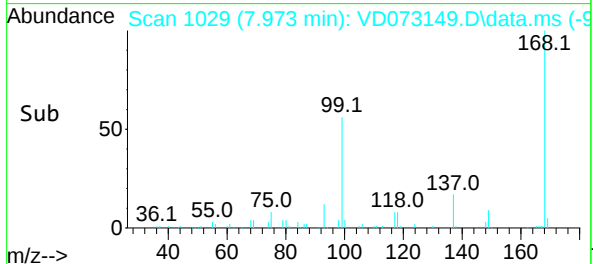
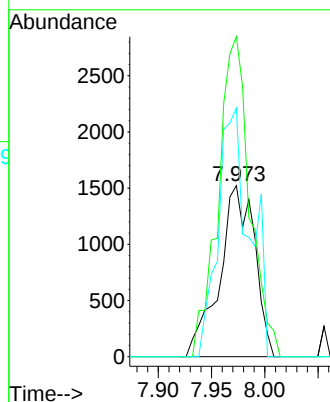
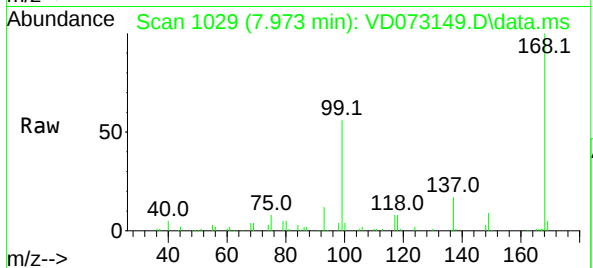
Tgt Ion: 56 Resp: 3487

Ion Ratio Lower Upper

56 100

69 187.1 25.4 38.2#

84 145.4 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 70.308 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073149.D

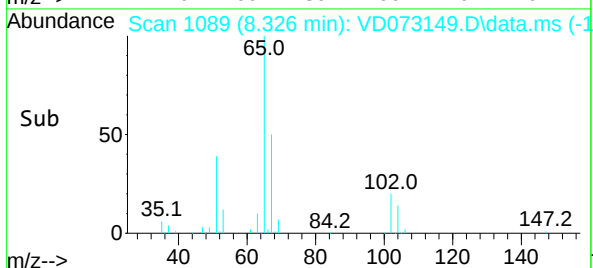
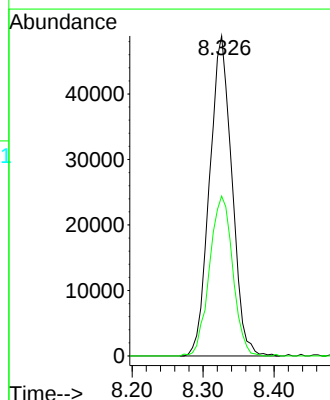
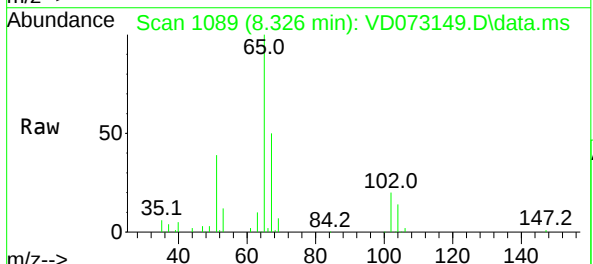
Acq: 19 May 2022 20:17

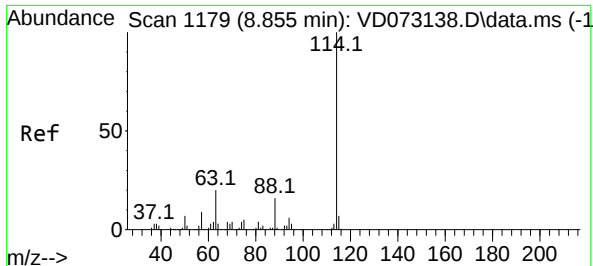
Tgt Ion: 65 Resp: 106575

Ion Ratio Lower Upper

65 100

67 51.8 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VD073149.D

Acq: 19 May 2022 20:17

Instrument :

MSVOA_D

ClientSampleId :

SU-02-051722

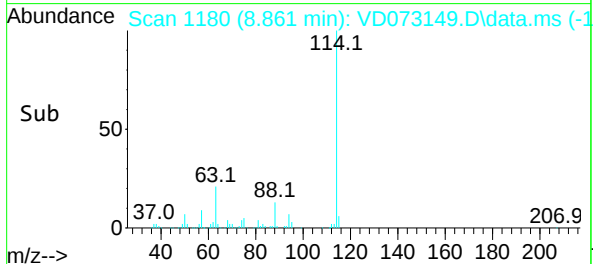
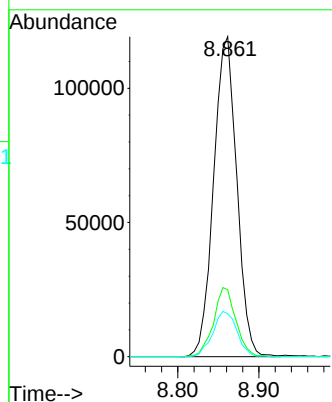
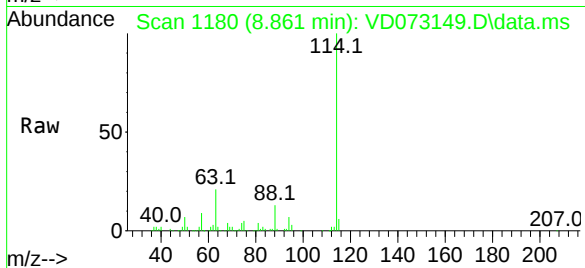
Tgt Ion:114 Resp: 236130

Ion Ratio Lower Upper

114 100

63 20.9 0.0 46.6

88 13.4 0.0 33.2



#35

Dibromofluoromethane

Concen: 58.728 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073149.D

Acq: 19 May 2022 20:17

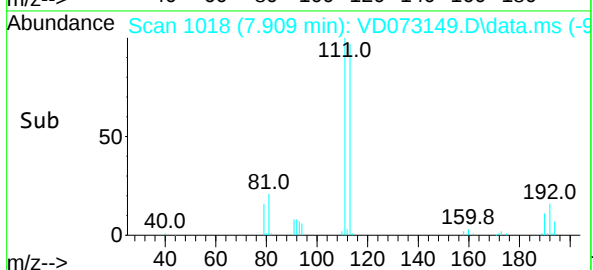
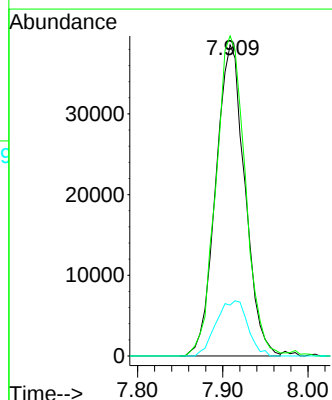
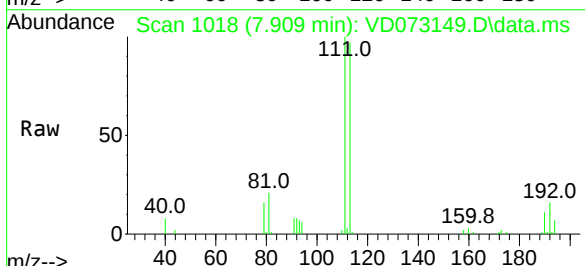
Tgt Ion:113 Resp: 91506

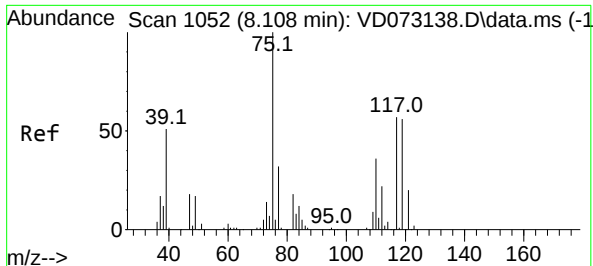
Ion Ratio Lower Upper

113 100

111 103.9 83.8 125.6

192 19.1 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.812 ug/l

RT: 7.973 min Scan# 1

Delta R.T. -0.135 min

Lab File: VD073149.D

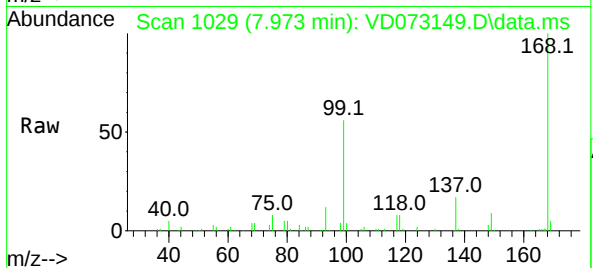
Acq: 19 May 2022 20:17

Instrument :

MSVOA_D

ClientSampleId :

SU-02-051722



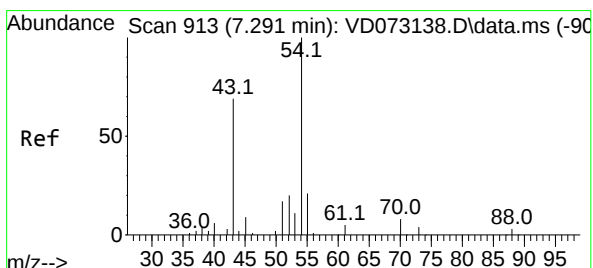
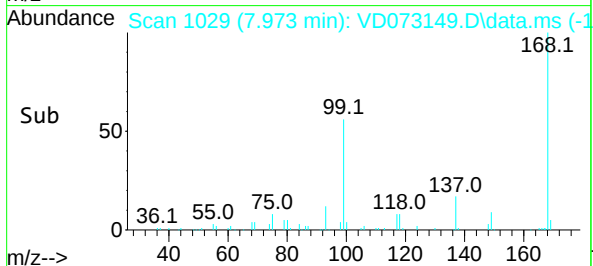
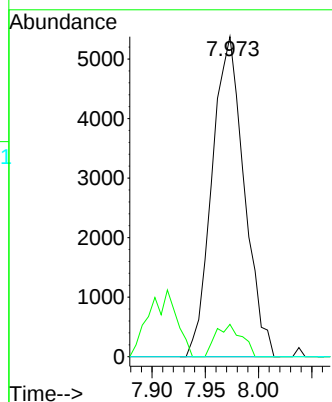
Tgt Ion: 75 Resp: 11276

Ion Ratio Lower Upper

75 100

110 8.2 16.4 49.1#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 1.975 ug/l

RT: 7.185 min Scan# 895

Delta R.T. -0.106 min

Lab File: VD073149.D

Acq: 19 May 2022 20:17

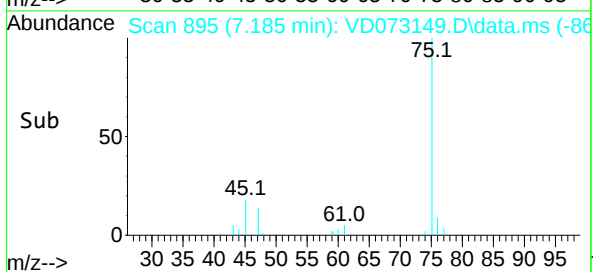
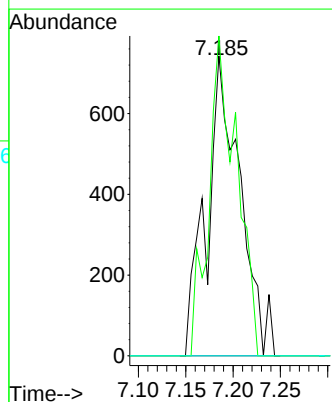
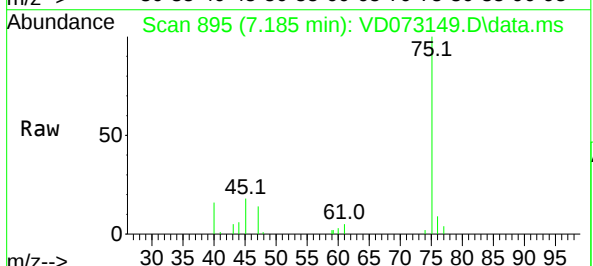
Tgt Ion: 43 Resp: 1828

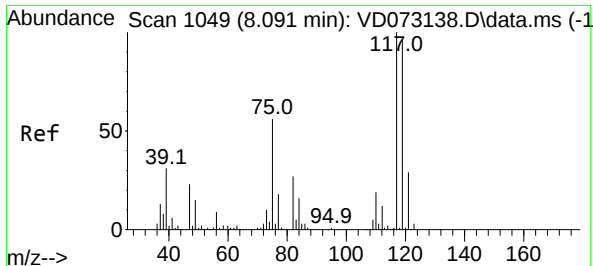
Ion Ratio Lower Upper

43 100

61 89.1 9.8 14.8#

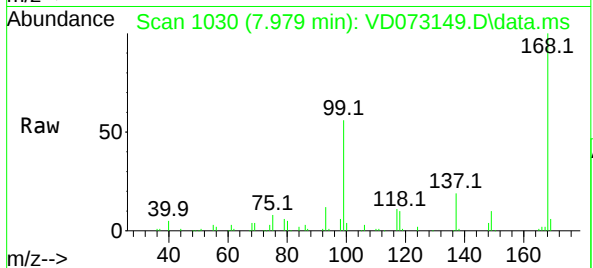
70 0.0 6.9 10.3#



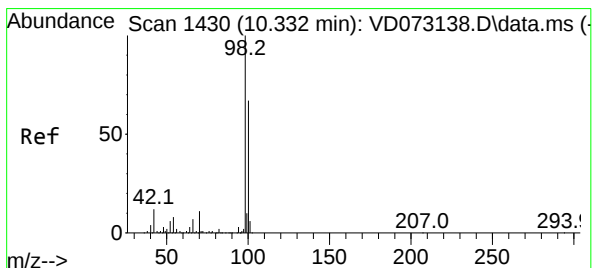
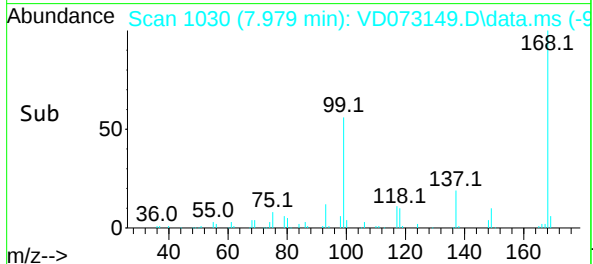
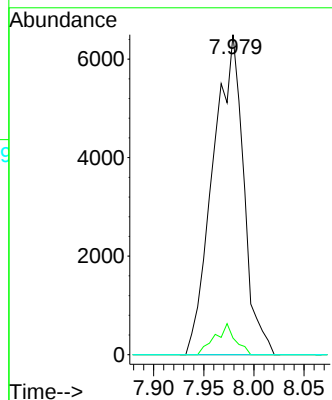


#38
Carbon Tetrachloride
Concen: 5.801 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD073149.D
Acq: 19 May 2022 20:17

Instrument :
MSVOA_D
ClientSampleId :
SU-02-051722

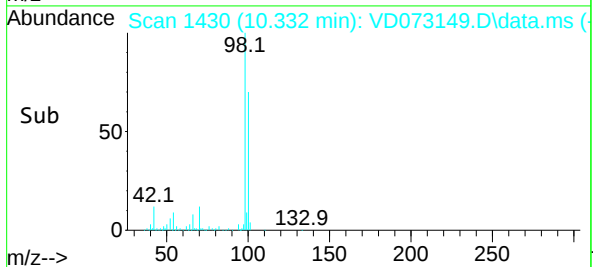
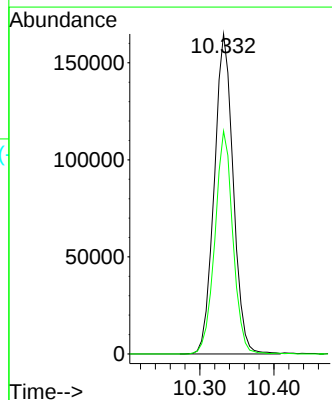
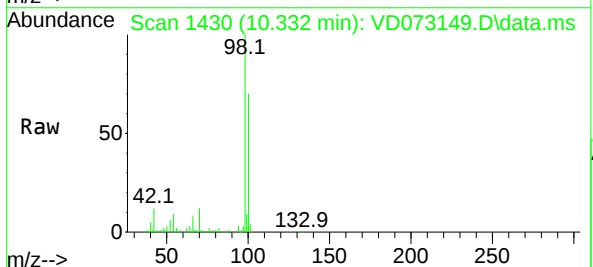


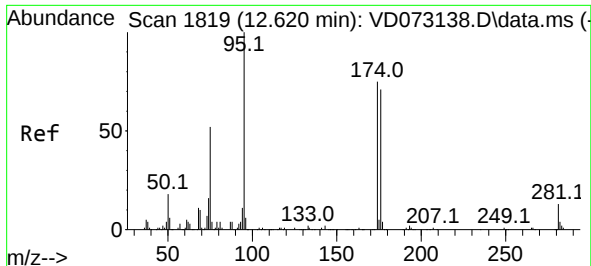
Tgt Ion:117 Resp: 13779
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 50.898 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073149.D
Acq: 19 May 2022 20:17

Tgt Ion: 98 Resp: 292340
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6

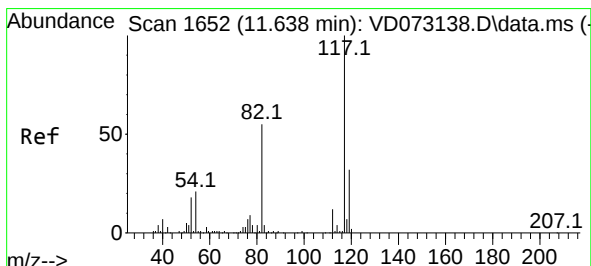
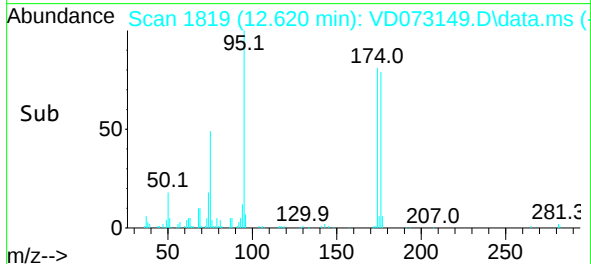
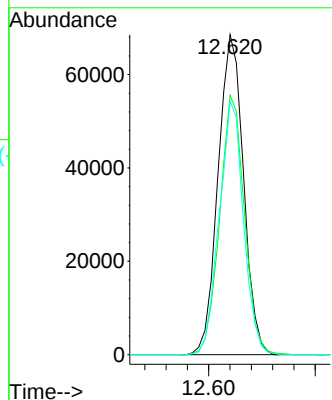
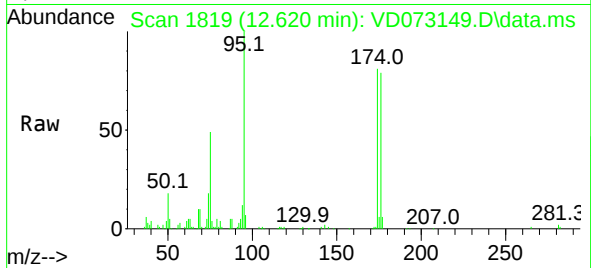




#62
4-Bromofluorobenzene
Concen: 56.133 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073149.D
Acq: 19 May 2022 20:17

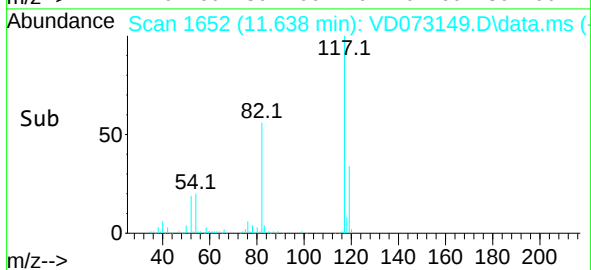
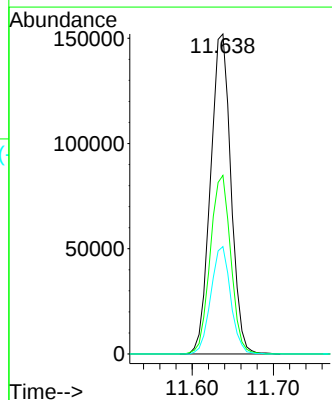
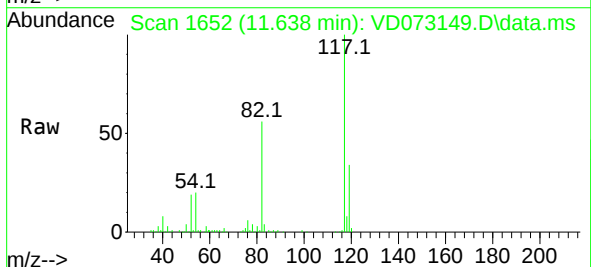
Instrument :
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SU-02-051722

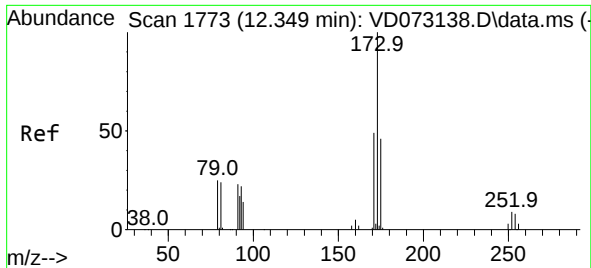
Tgt Ion: 95 Resp: 113148
Ion Ratio Lower Upper
95 100
174 78.8 0.0 152.8
176 75.6 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073149.D
Acq: 19 May 2022 20:17

Tgt Ion: 117 Resp: 265126
Ion Ratio Lower Upper
117 100
82 55.8 45.3 67.9
119 33.5 26.6 40.0

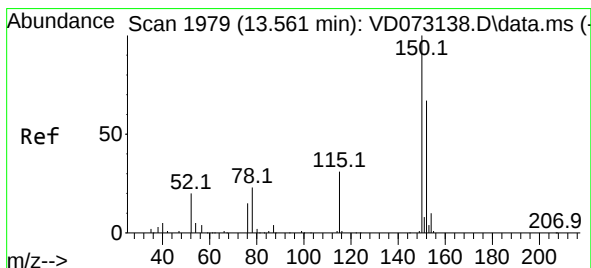
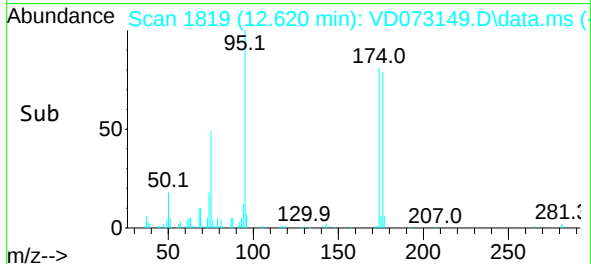
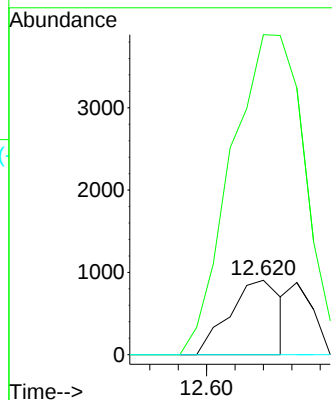
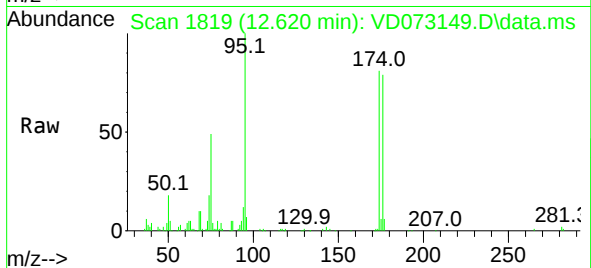




#71
Bromoform
Concen: 1.101 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.271 min
Lab File: VD073149.D
Acq: 19 May 2022 20:17

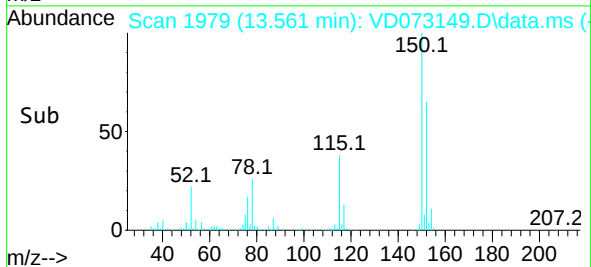
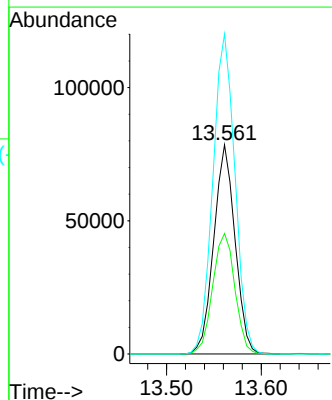
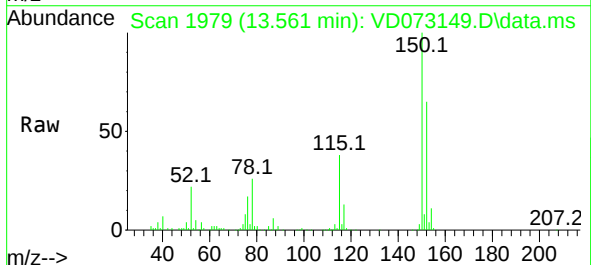
Instrument :
MSVOA_D
ClientSampleId :
SU-02-051722

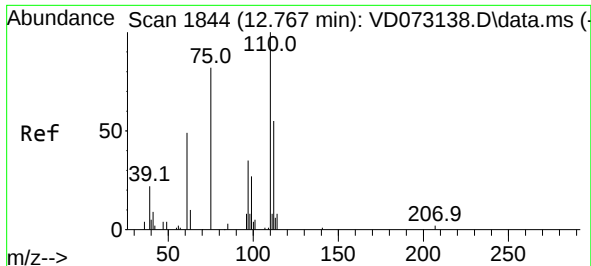
Tgt Ion:173 Resp: 1143
Ion Ratio Lower Upper
173 100
175 454.3 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073149.D
Acq: 19 May 2022 20:17

Tgt Ion:152 Resp: 123054
Ion Ratio Lower Upper
152 100
115 59.9 31.3 93.8
150 158.0 0.0 348.6

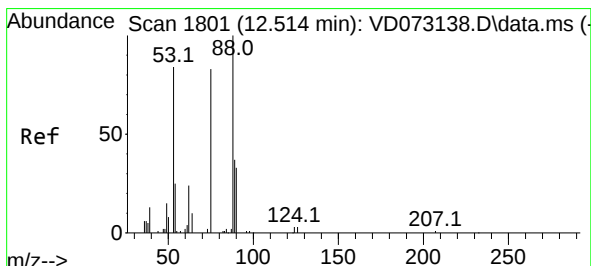
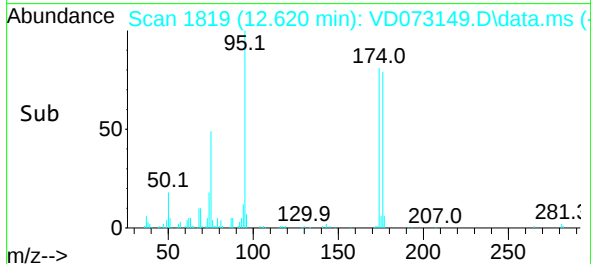
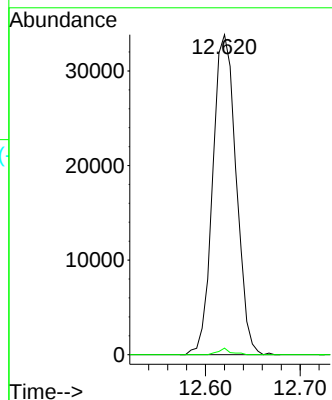
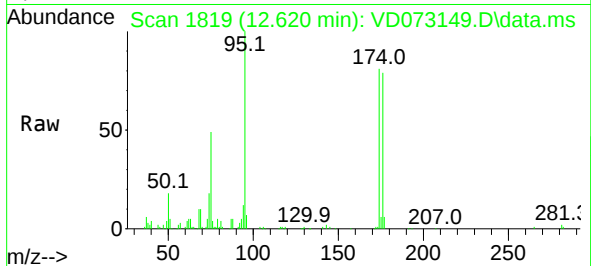




#76
1,2,3-Trichloropropane
Concen: 48.070 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073149.D
Acq: 19 May 2022 20:17

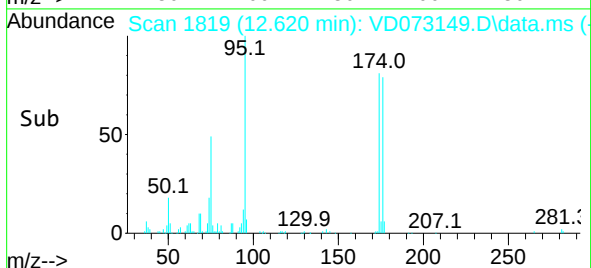
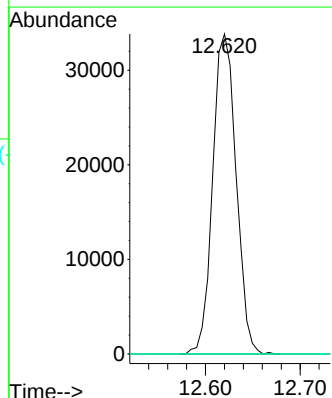
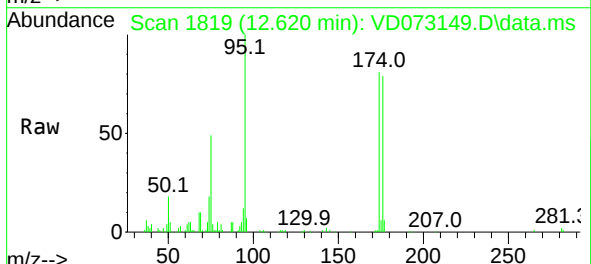
Instrument :
MSVOA_D
ClientSampleId :
SU-02-051722

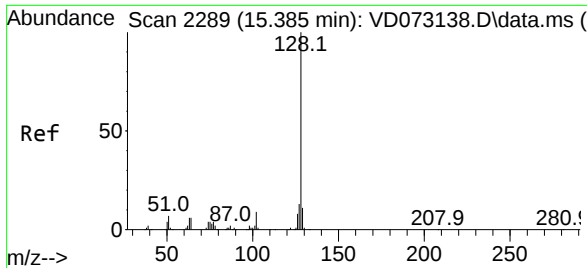
Tgt Ion: 75 Resp: 58038
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.401 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073149.D
Acq: 19 May 2022 20:17

Tgt Ion: 75 Resp: 58038
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#





#95

Naphthalene

Concen: 3.608 ug/l

RT: 15.379 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD073149.D

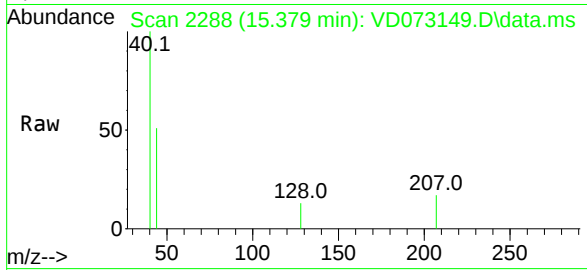
Acq: 19 May 2022 20:17

Instrument :

MSVOA_D

ClientSampleId :

SU-02-051722



Tgt Ion:128 Resp: 287

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.4 12.6#

