

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
 Data File : VD073155.D
 Acq On : 19 May 2022 23:10
 Operator : VA/SY
 Sample : N2842-03
 Misc : 5.80G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P016-SS001-0006-01

Quant Time: May 20 01:51:53 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)

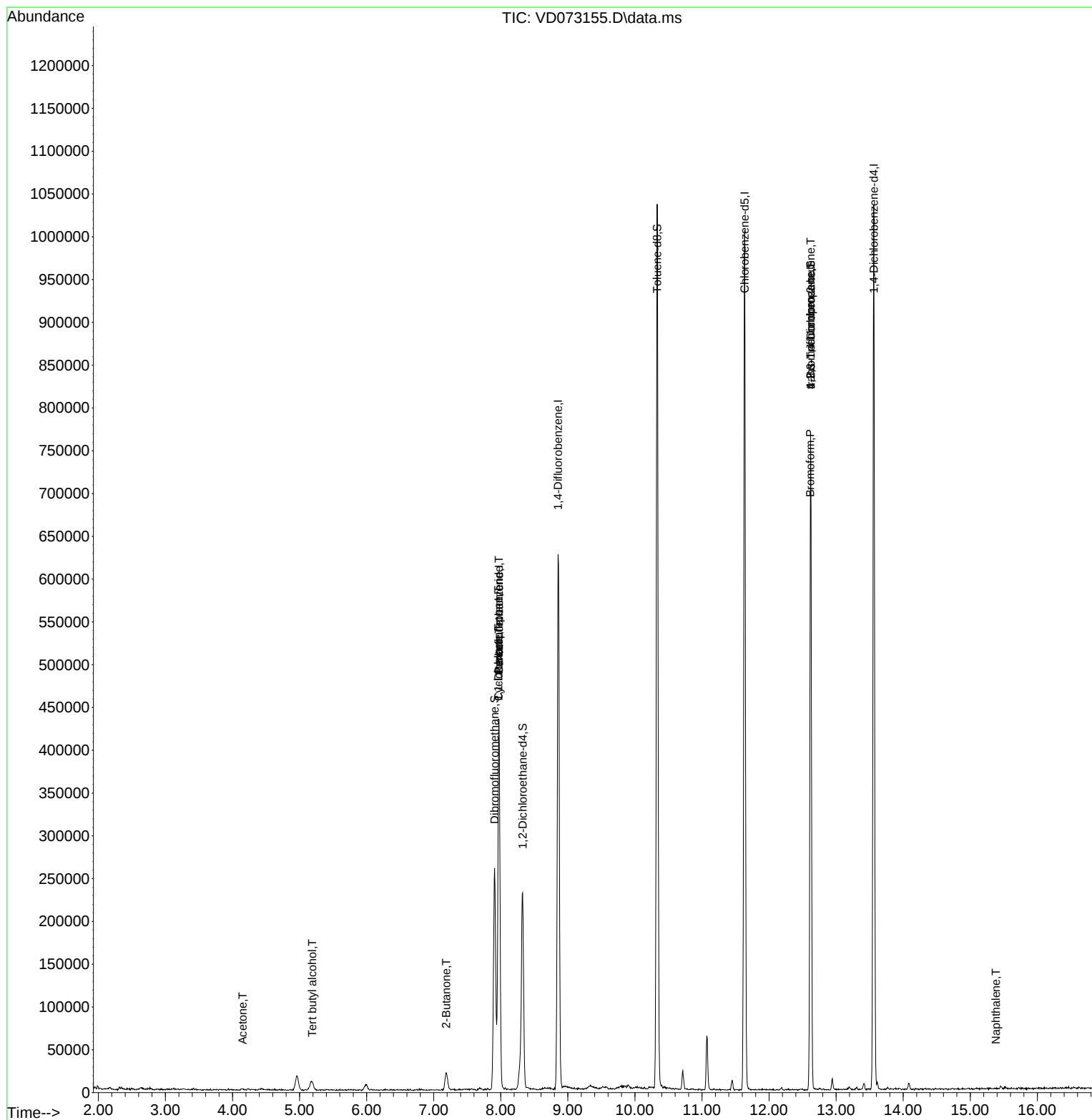
Internal Standards						
1) Pentafluorobenzene	7.973	168	307061	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	546850	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	574615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	263370	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	179740	52.967	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.940%	
35) Dibromofluoromethane	7.908	113	190469	52.784	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.560%	
50) Toluene-d8	10.332	98	682414	51.303	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.600%	
62) 4-Bromofluorobenzene	12.620	95	248591	53.253	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.500%	
Target Compounds						
5) Bromomethane	2.767	94	1040	Below Cal	Qvalue 96	
11) Tert butyl alcohol	5.191	59	10029	19.049 ug/l	#	74
16) Acetone	4.150	43	1458	2.481 ug/l	#	47
20) Methylene Chloride	4.961	84	12435	Below Cal	96	
25) 2-Butanone	7.185	43	1073	1.248 ug/l	#	52
31) Cyclohexane	7.967	56	7252	1.223 ug/l	#	1
36) 1,1-Dichloropropene	7.967	75	26112	4.811 ug/l	#	52
38) Carbon Tetrachloride	7.973	117	32605	5.927 ug/l	#	18
71) Bromoform	12.614	173	2533	1.126 ug/l	#	1
76) 1,2,3-Trichloropropane	12.620	75	126415	48.920 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.620	75	126415	117.442 ug/l	#	7
95) Naphthalene	15.384	128	233	3.567 ug/l	#	70

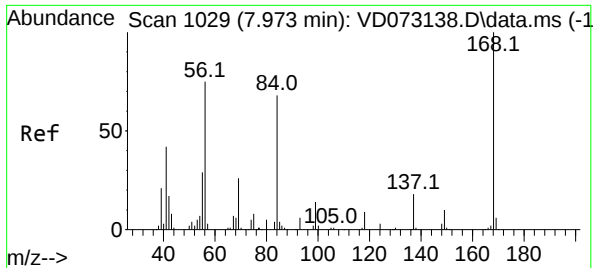
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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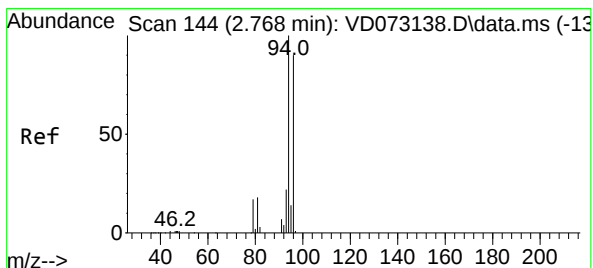
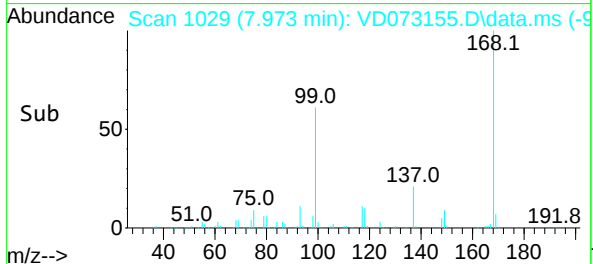
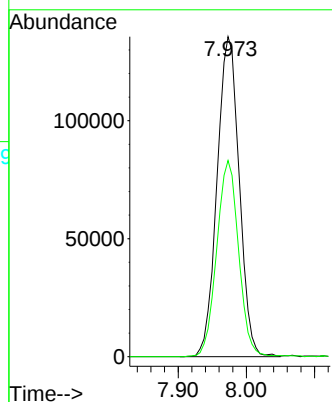
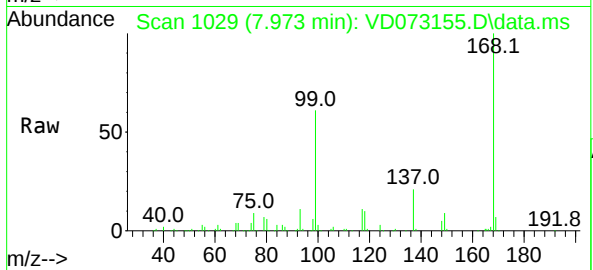




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073155.D
Acq: 19 May 2022 23:10

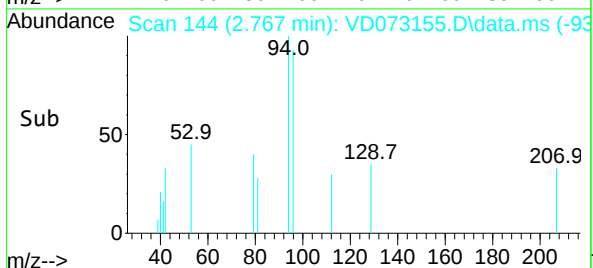
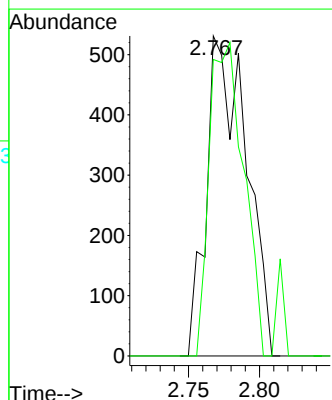
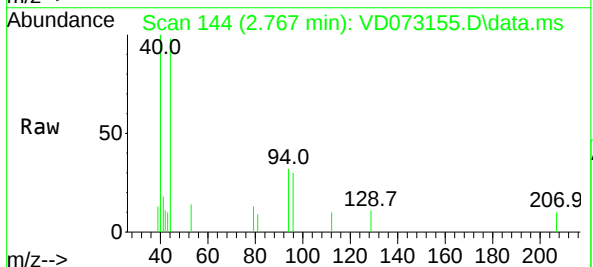
Instrument :
MSVOA_D
ClientSampleId :
P016-SS001-0006-01

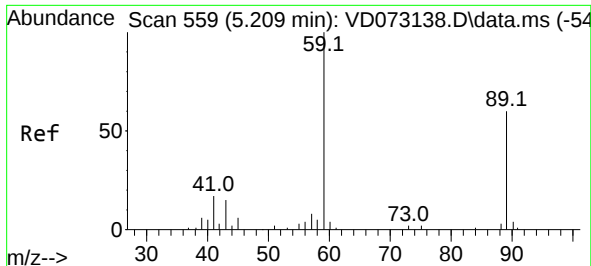
Tgt Ion:168 Resp: 307061
Ion Ratio Lower Upper
168 100
99 61.3 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.767 min Scan# 144
Delta R.T. -0.001 min
Lab File: VD073155.D
Acq: 19 May 2022 23:10

Tgt Ion: 94 Resp: 1040
Ion Ratio Lower Upper
94 100
96 92.7 77.6 116.4

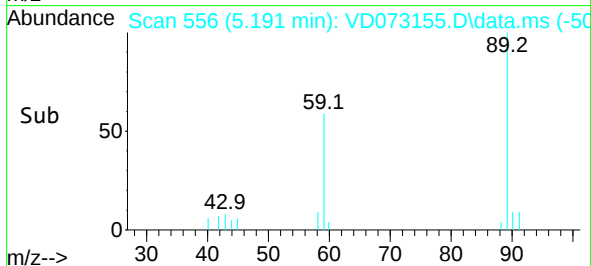
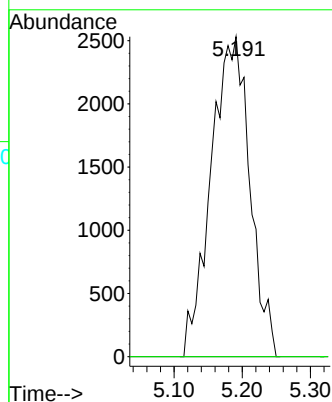
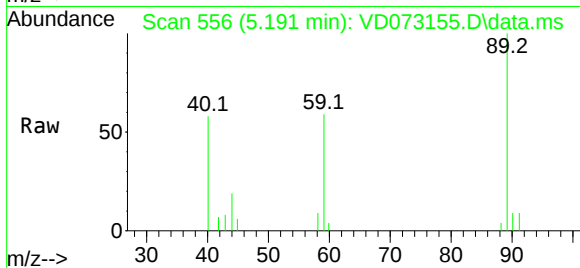




#11
Tert butyl alcohol
Concen: 19.049 ug/l
RT: 5.191 min Scan# 51
Delta R.T. -0.018 min
Lab File: VD073155.D
Acq: 19 May 2022 23:10

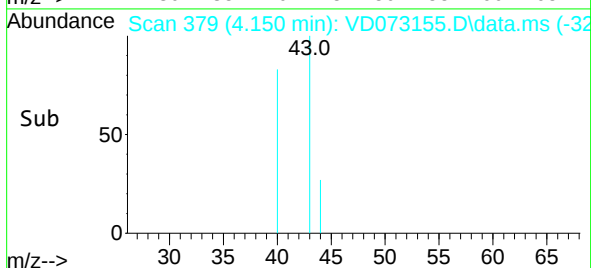
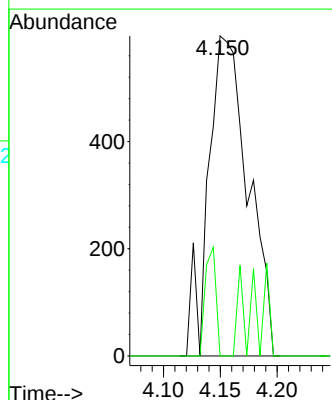
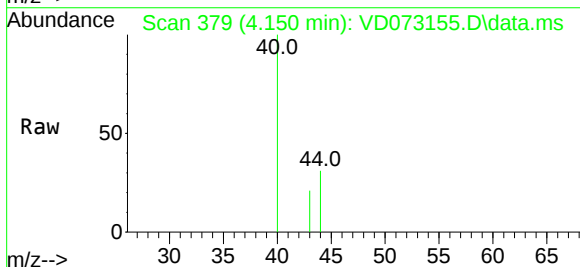
Instrument :
MSVOA_D
ClientSampleId :
P016-SS001-0006-01

Tgt Ion: 59 Resp: 10029
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 2.481 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD073155.D
Acq: 19 May 2022 23:10

Tgt Ion: 43 Resp: 1458
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#





#25

2-Butanone

Concen: 1.248 ug/l

RT: 7.185 min Scan# 89

Delta R.T. -0.023 min

Lab File: VD073155.D

Acq: 19 May 2022 23:10

Instrument :

MSVOA_D

ClientSampleId :

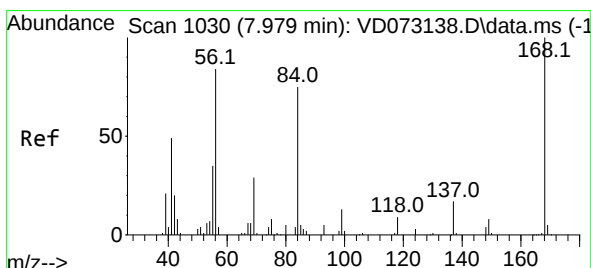
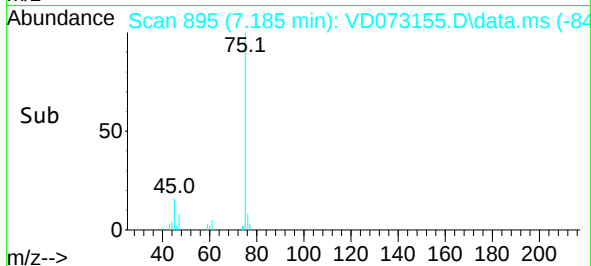
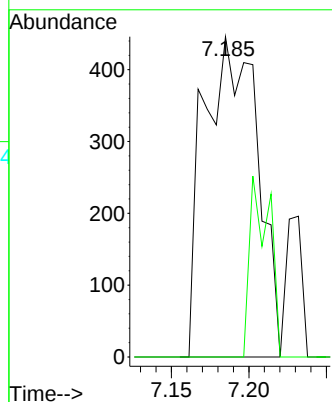
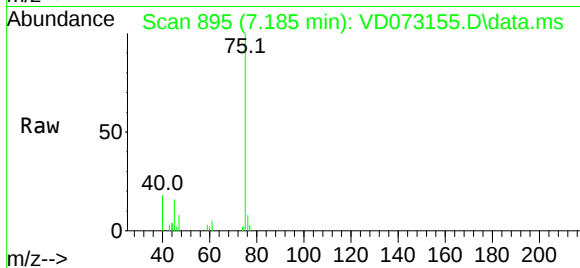
P016-SS001-0006-01

Tgt Ion: 43 Resp: 1073

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#31

Cyclohexane

Concen: 1.223 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073155.D

Acq: 19 May 2022 23:10

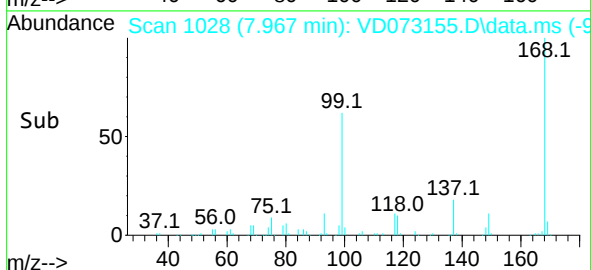
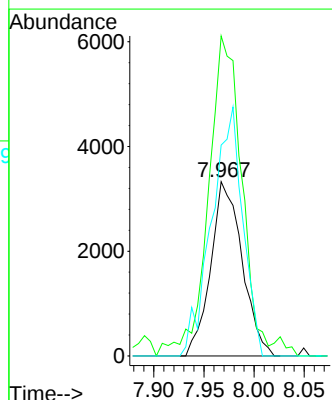
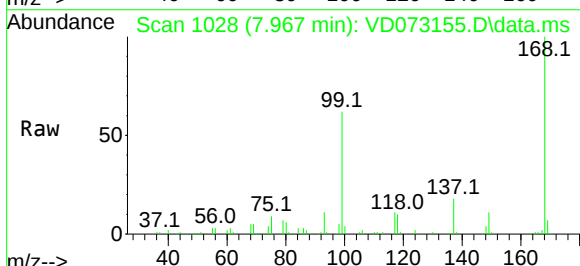
Tgt Ion: 56 Resp: 7252

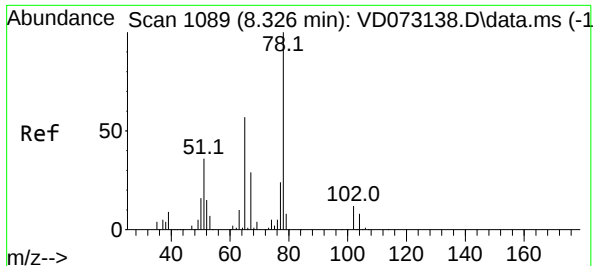
Ion Ratio Lower Upper

56 100

69 177.0 25.4 38.2#

84 121.0 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 52.967 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD073155.D

Acq: 19 May 2022 23:10

Instrument :

MSVOA_D

ClientSampleId :

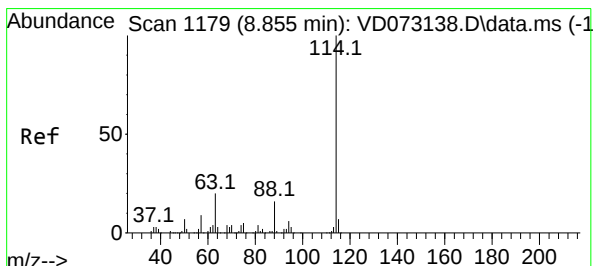
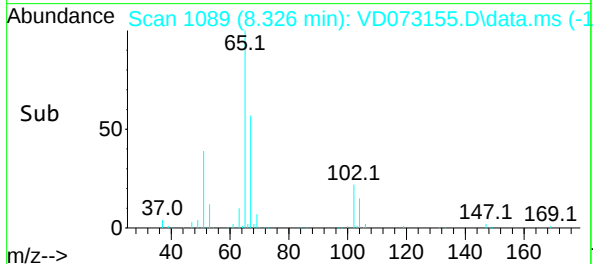
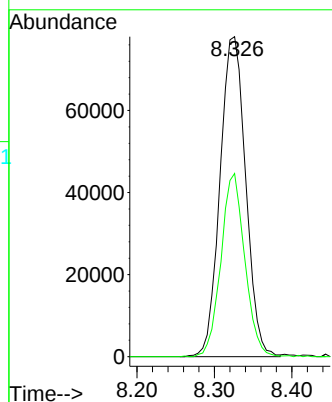
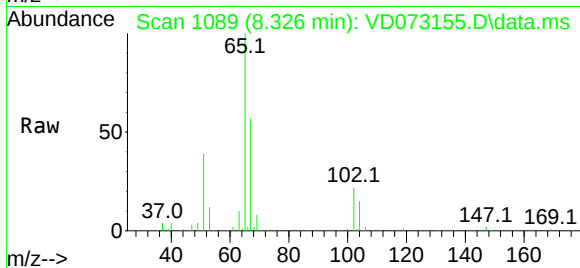
P016-SS001-0006-01

Tgt Ion: 65 Resp: 179740

Ion Ratio Lower Upper

65 100

67 53.2 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: VD073155.D

Acq: 19 May 2022 23:10

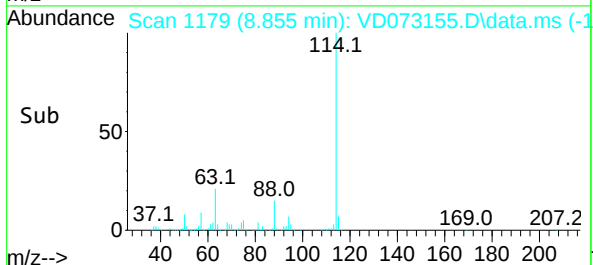
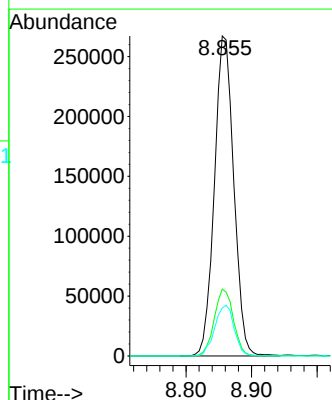
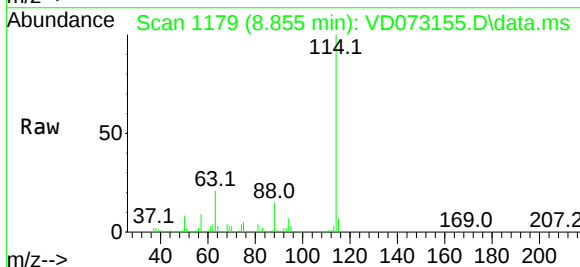
Tgt Ion: 114 Resp: 546850

Ion Ratio Lower Upper

114 100

63 20.9 0.0 46.6

88 15.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 52.784 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073155.D

Acq: 19 May 2022 23:10

Instrument :

MSVOA_D

ClientSampleId :

P016-SS001-0006-01

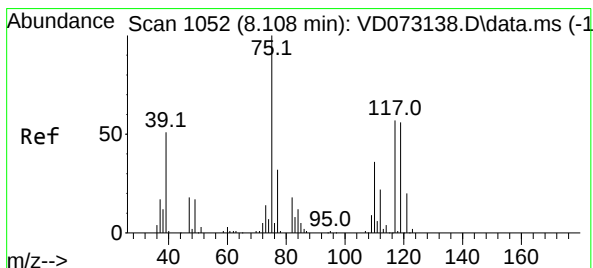
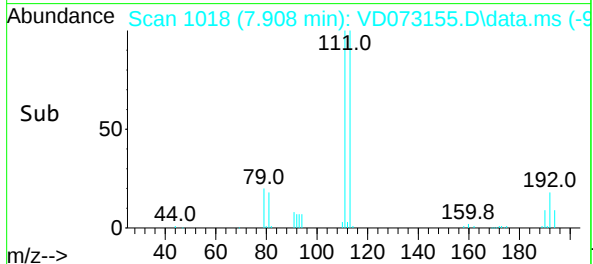
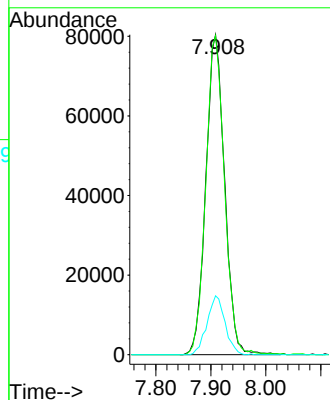
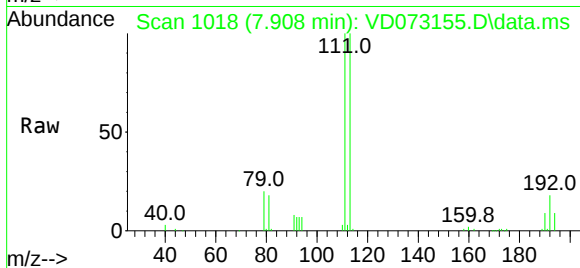
Tgt Ion:113 Resp: 190469

Ion Ratio Lower Upper

113 100

111 99.1 83.8 125.6

192 17.6 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.811 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073155.D

Acq: 19 May 2022 23:10

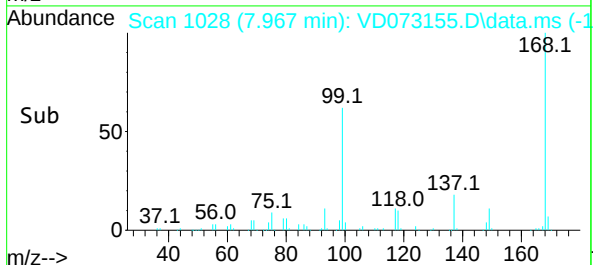
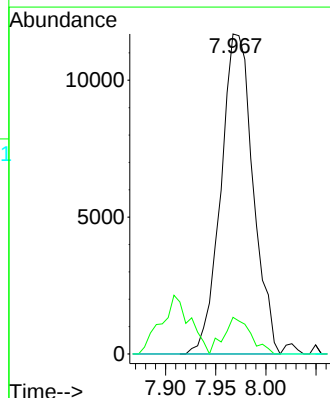
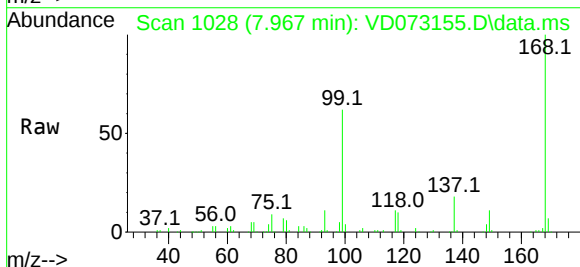
Tgt Ion: 75 Resp: 26112

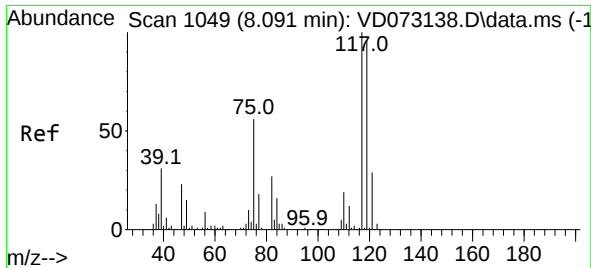
Ion Ratio Lower Upper

75 100

110 9.6 16.4 49.1#

77 0.0 24.2 36.2#

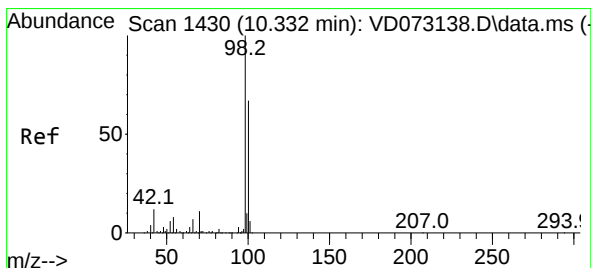
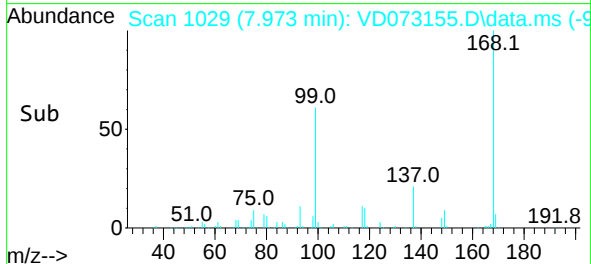
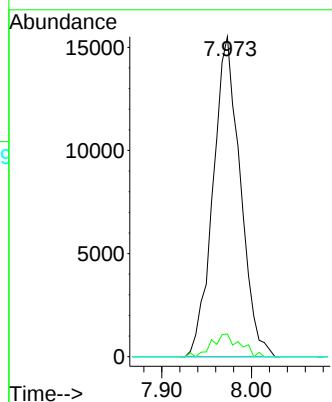
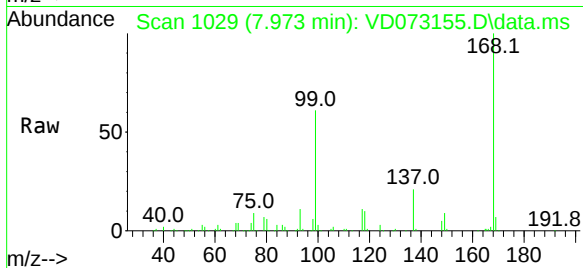




#38
Carbon Tetrachloride
Concen: 5.927 ug/l
RT: 7.973 min Scan# 1049
Delta R.T. -0.118 min
Lab File: VD073155.D
Acq: 19 May 2022 23:10

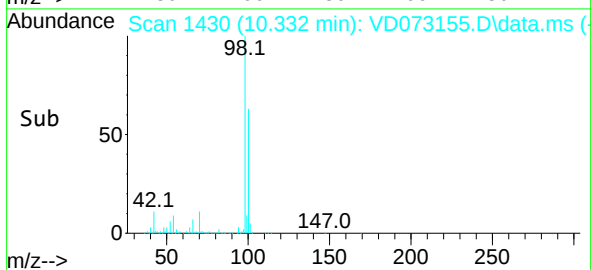
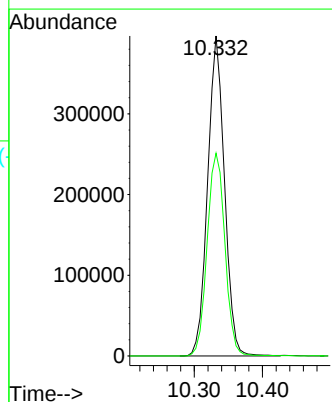
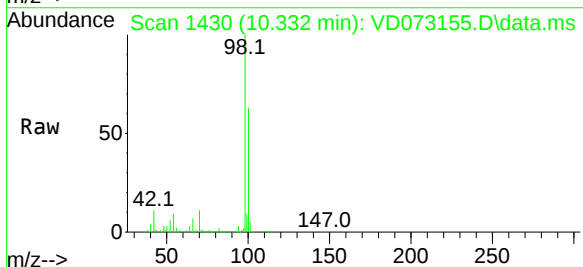
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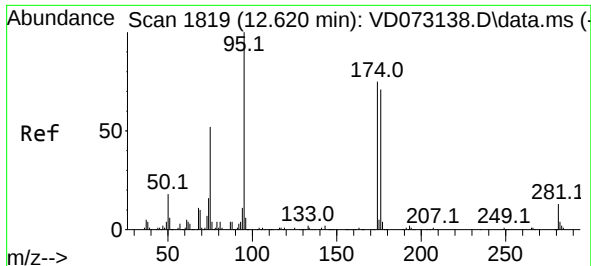
Tgt Ion:117 Resp: 32605
Ion Ratio Lower Upper
117 100
119 7.1 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 51.303 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073155.D
Acq: 19 May 2022 23:10

Tgt Ion: 98 Resp: 682414
Ion Ratio Lower Upper
98 100
100 66.8 52.4 78.6

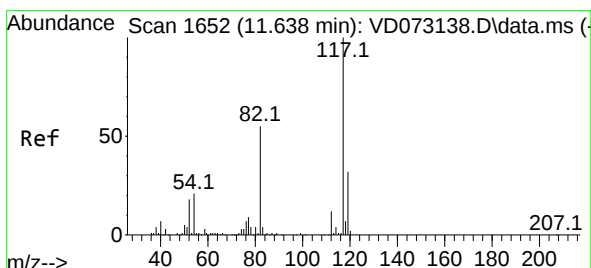
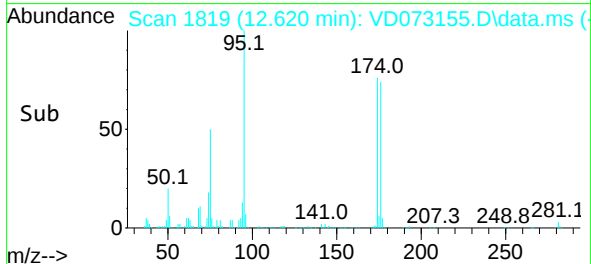
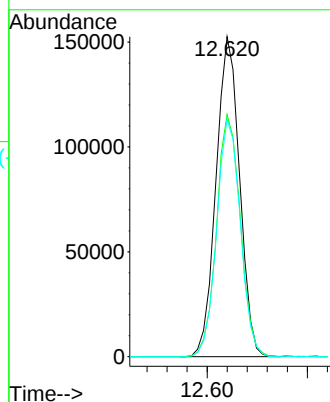
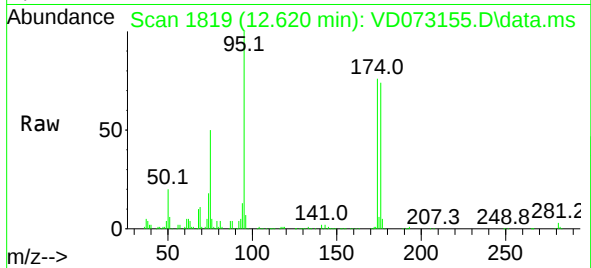




#62
4-Bromofluorobenzene
Concen: 53.253 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073155.D
Acq: 19 May 2022 23:10

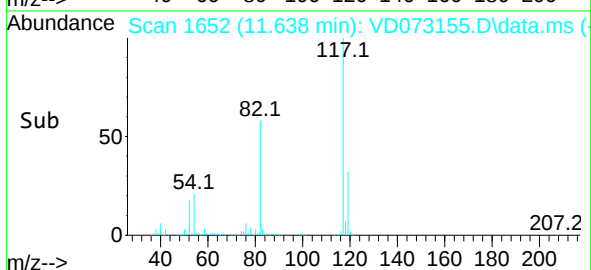
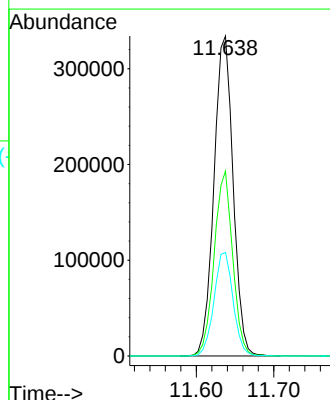
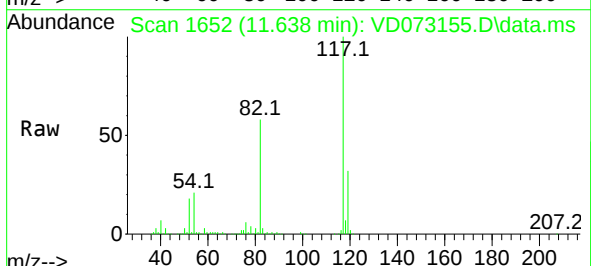
Instrument :
MSVOA_D
ClientSampleId :
P016-SS001-0006-01

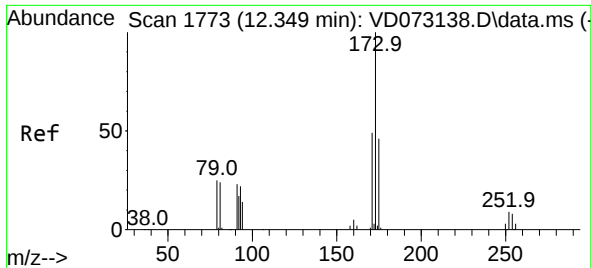
Tgt Ion: 95 Resp: 248591
Ion Ratio Lower Upper
95 100
174 76.3 0.0 152.8
176 74.4 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073155.D
Acq: 19 May 2022 23:10

Tgt Ion: 117 Resp: 574615
Ion Ratio Lower Upper
117 100
82 57.8 45.3 67.9
119 32.4 26.6 40.0

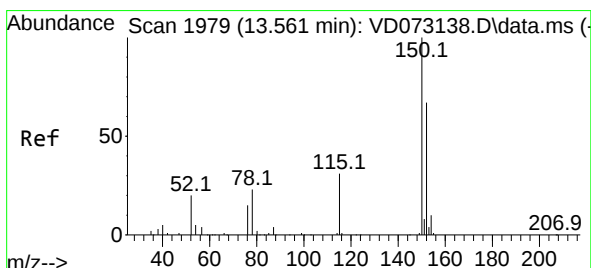
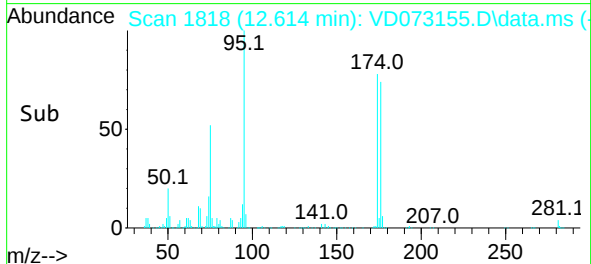
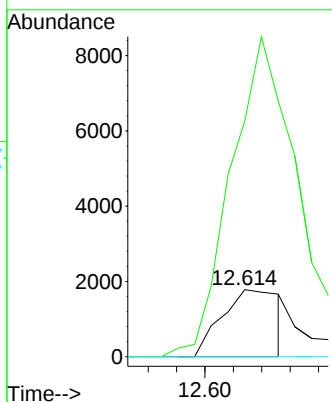
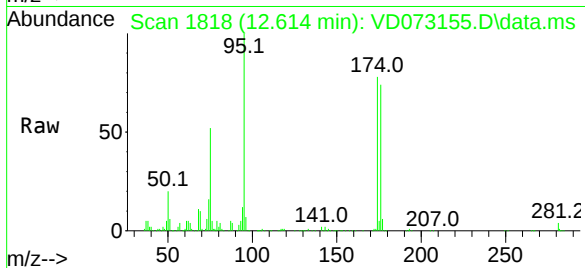




#71
Bromoform
Concen: 1.126 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.265 min
Lab File: VD073155.D
Acq: 19 May 2022 23:10

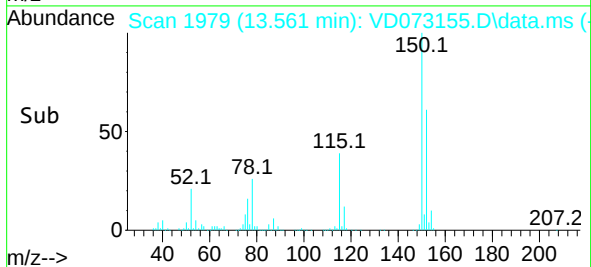
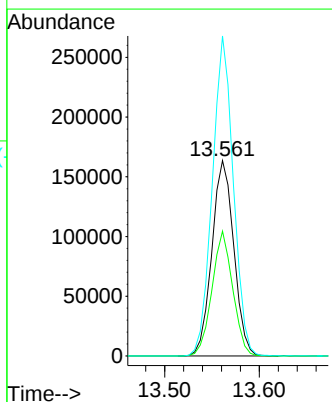
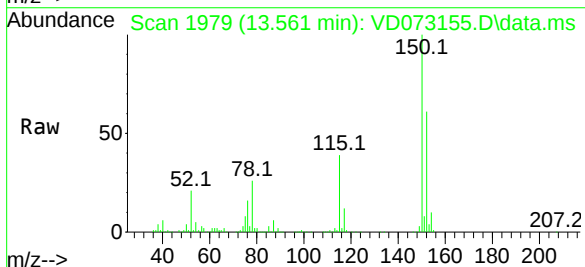
Instrument :
MSVOA_D
ClientSampleId :
P016-SS001-0006-01

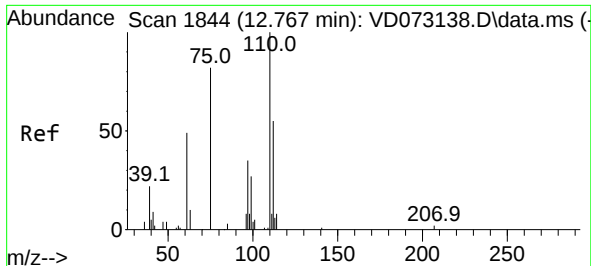
Tgt Ion:173 Resp: 2533
Ion Ratio Lower Upper
173 100
175 402.1 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073155.D
Acq: 19 May 2022 23:10

Tgt Ion:152 Resp: 263370
Ion Ratio Lower Upper
152 100
115 60.3 31.3 93.8
150 157.2 0.0 348.6

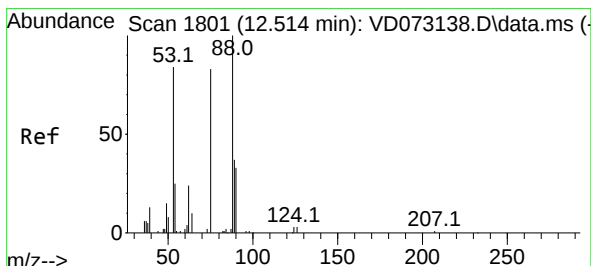
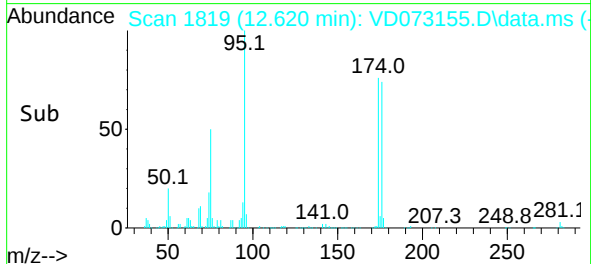
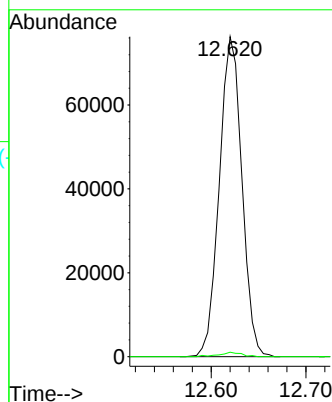
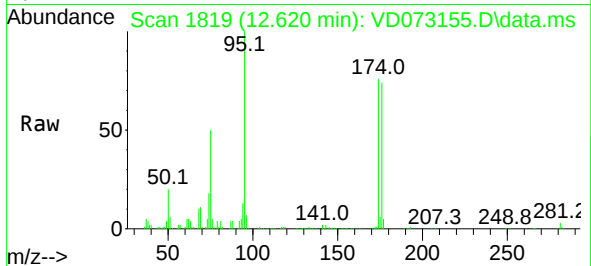




#76
1,2,3-Trichloropropane
Concen: 48.920 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073155.D
Acq: 19 May 2022 23:10

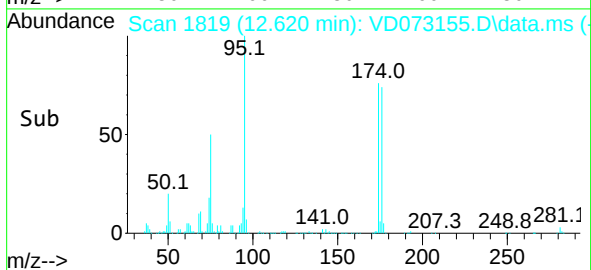
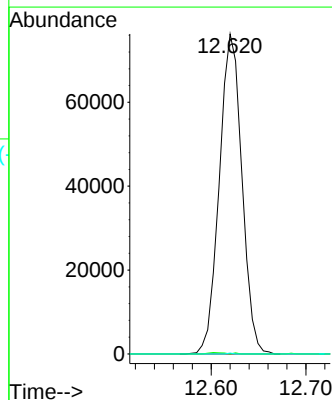
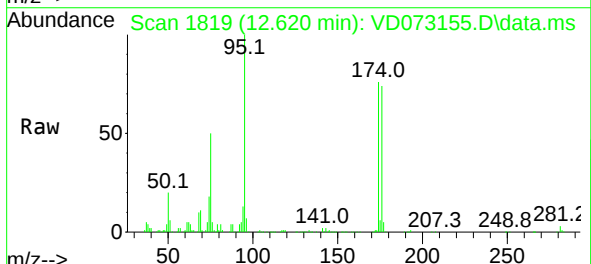
Instrument :
MSVOA_D
ClientSampleId :
P016-SS001-0006-01

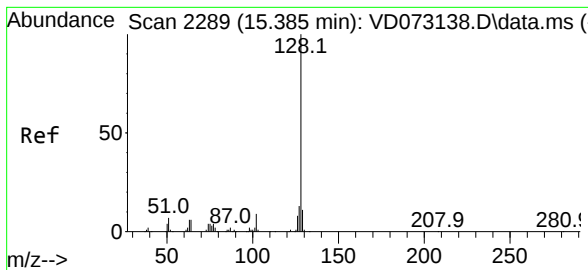
Tgt Ion: 75 Resp: 126415
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.442 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073155.D
Acq: 19 May 2022 23:10

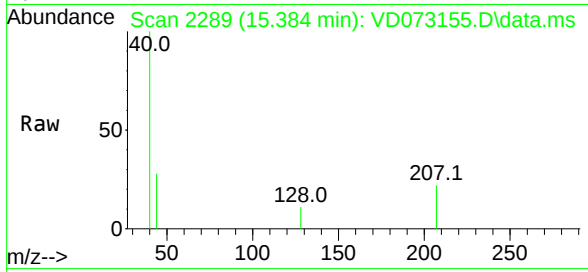
Tgt Ion: 75 Resp: 126415
Ion Ratio Lower Upper
75 100
53 0.3 86.5 129.7#
89 0.1 33.9 50.9#





#95
 Naphthalene
 Concen: 3.567 ug/l
 RT: 15.384 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: VD073155.D
 Acq: 19 May 2022 23:10

Instrument : MSVOA_D
 ClientSampleId : P016-SS001-0006-01



Tgt Ion:	128	Resp:	233
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

