

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052622\
 Data File : VD073391.D
 Acq On : 26 May 2022 16:35
 Operator : VA/SY
 Sample : N3055-03
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ETGI-329

Quant Time: May 27 01:32:16 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)

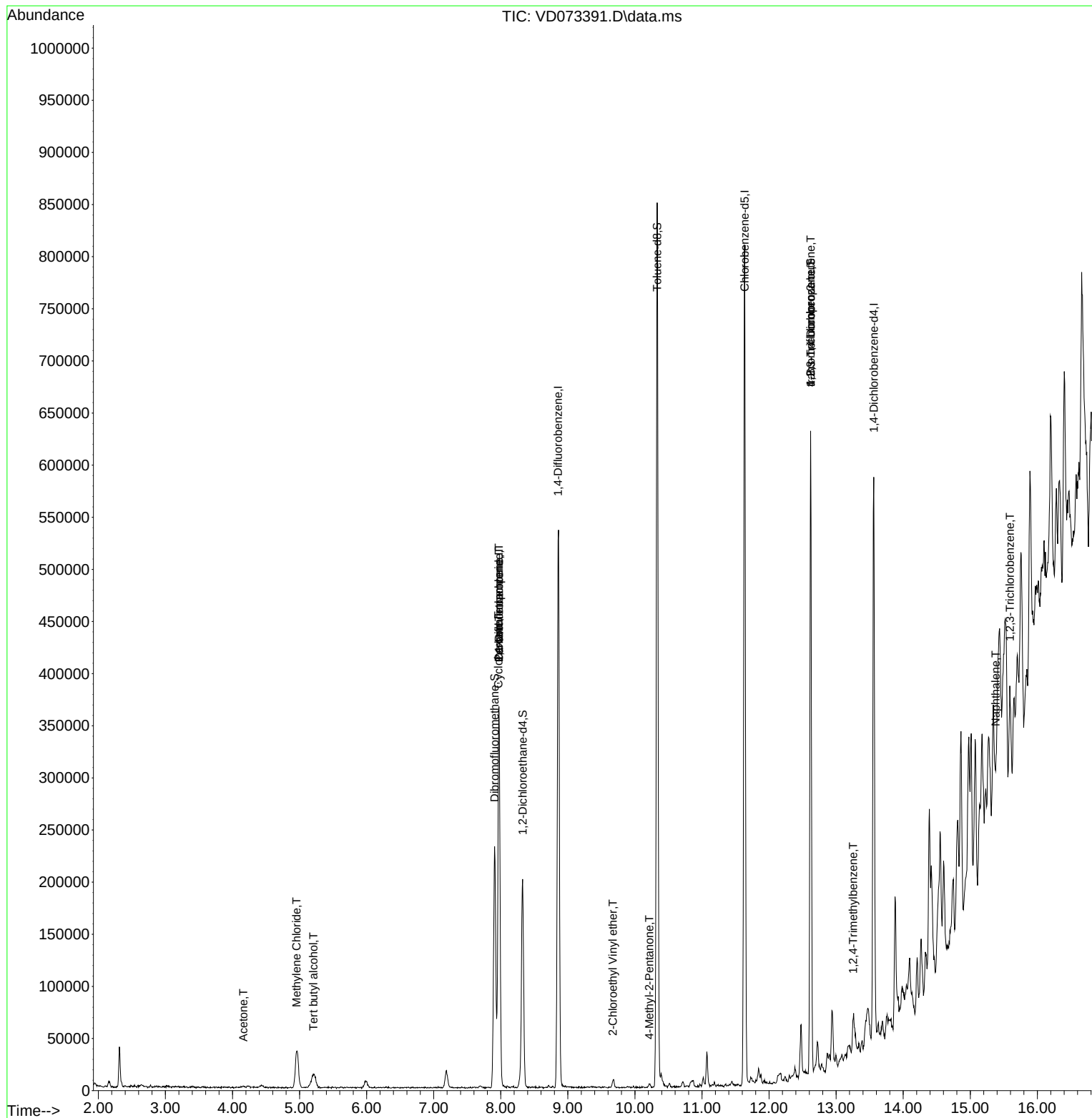
Internal Standards						
1) Pentafluorobenzene	7.973	168	266422	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	477380	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	473783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	152115	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	158549	53.849	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.700%	
35) Dibromofluoromethane	7.908	113	166127	52.738	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.480%	
50) Toluene-d8	10.332	98	570797	49.156	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.320%	
62) 4-Bromofluorobenzene	12.620	95	196214	48.149	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 96.300%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	765	Below Cal		89
11) Tert butyl alcohol	5.209	59	15518	33.970	ug/l #	94
16) Acetone	4.162	43	1886	3.698	ug/l #	47
20) Methylene Chloride	4.956	84	29710	5.642	ug/l #	84
31) Cyclohexane	7.967	56	5898	1.146	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	22327	4.713	ug/l #	50
38) Carbon Tetrachloride	7.973	117	28091	5.849	ug/l #	19
51) 4-Methyl-2-Pentanone	10.214	43	2438	1.357	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.673	63	56	21.659	ug/l #	48
76) 1,2,3-Trichloropropane	12.620	75	99748	66.832	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	99748	160.444	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.255	105	19585	2.158	ug/l	99
95) Naphthalene	15.379	128	60809	14.892	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.590	180	6914	3.086	ug/l #	20

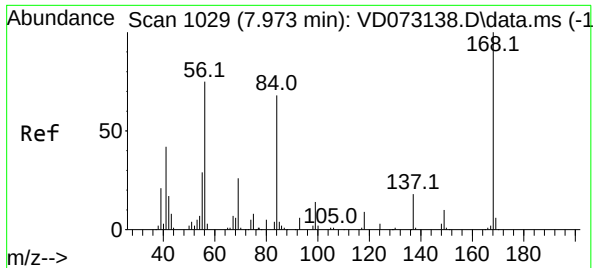
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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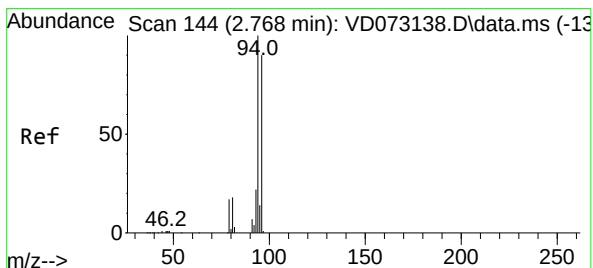
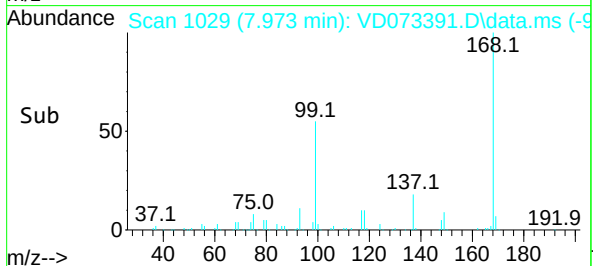
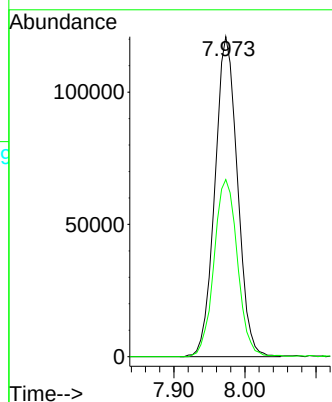
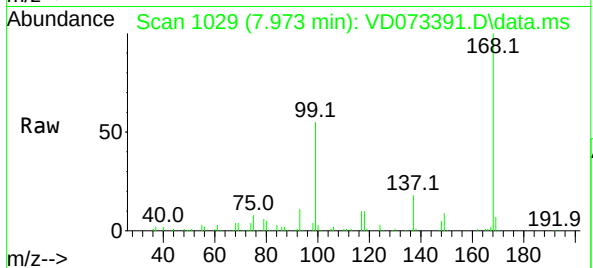




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073391.D
Acq: 26 May 2022 16:35

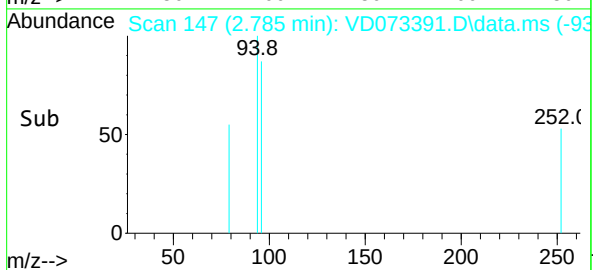
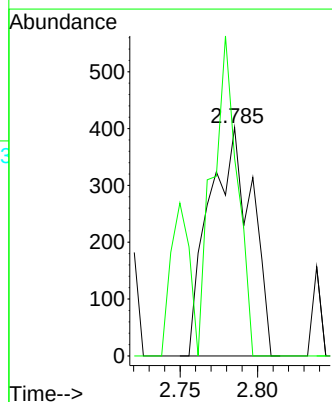
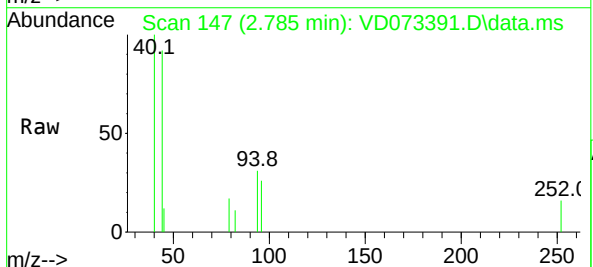
Instrument :
MSVOA_D
ClientSampleId :
ETGI-329

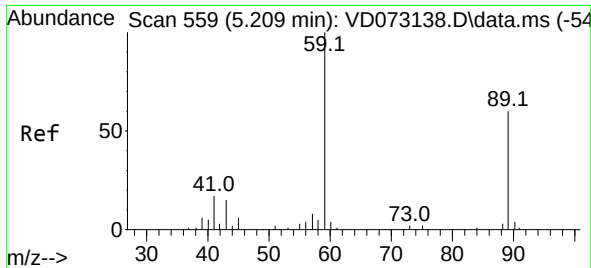
Tgt Ion:168 Resp: 266422
Ion Ratio Lower Upper
168 100
99 55.4 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD073391.D
Acq: 26 May 2022 16:35

Tgt Ion: 94 Resp: 765
Ion Ratio Lower Upper
94 100
96 86.6 77.6 116.4





#11

Tert butyl alcohol

Concen: 33.970 ug/l

RT: 5.209 min Scan# 51

Delta R.T. -0.000 min

Lab File: VD073391.D

Acq: 26 May 2022 16:35

Instrument :

MSVOA_D

ClientSampleId :

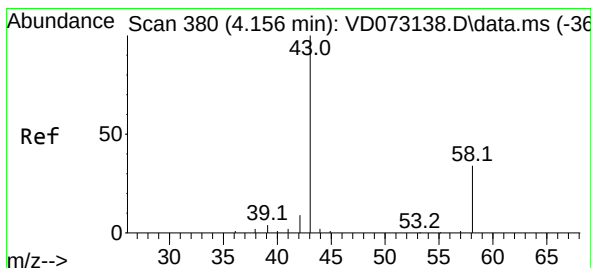
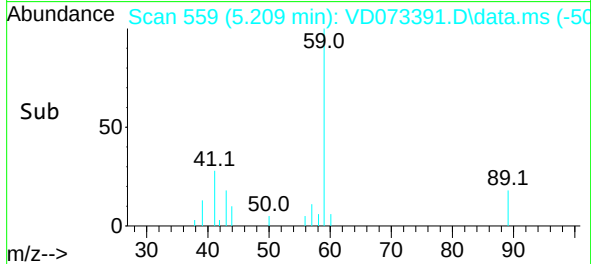
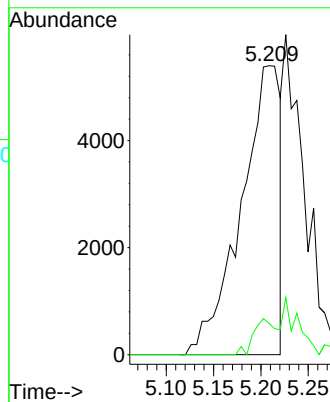
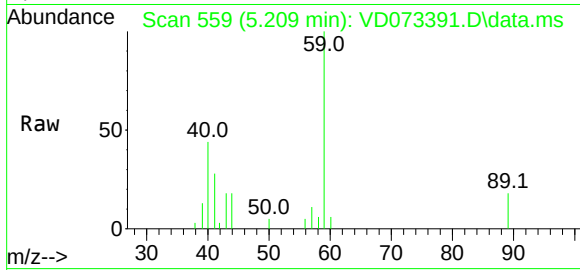
ETGI-329

Tgt Ion: 59 Resp: 15518

Ion Ratio Lower Upper

59 100

57 7.5 7.8 11.6#



#16

Acetone

Concen: 3.698 ug/l

RT: 4.162 min Scan# 381

Delta R.T. 0.006 min

Lab File: VD073391.D

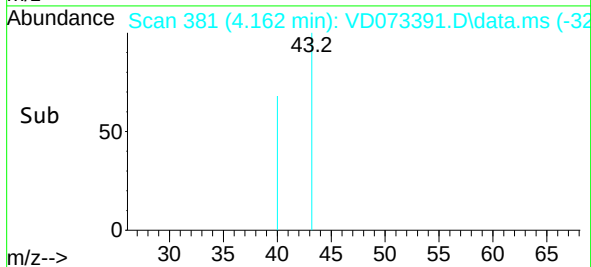
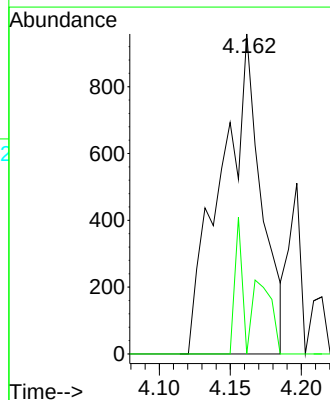
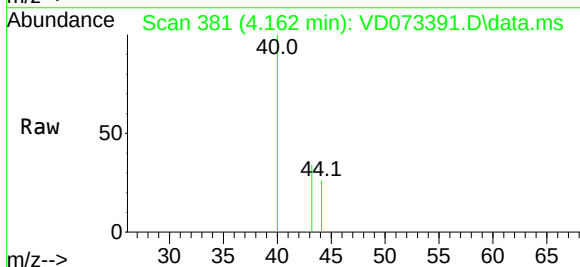
Acq: 26 May 2022 16:35

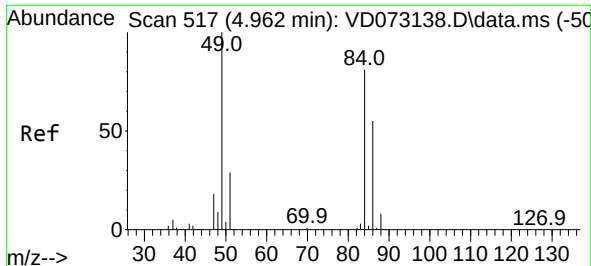
Tgt Ion: 43 Resp: 1886

Ion Ratio Lower Upper

43 100

58 0.0 22.1 33.1#

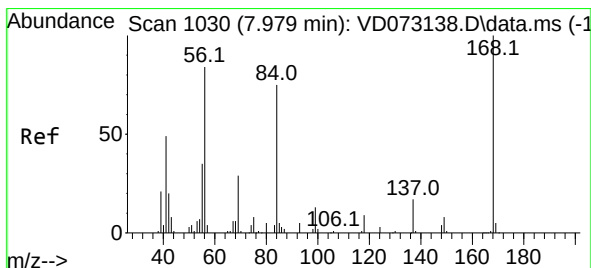
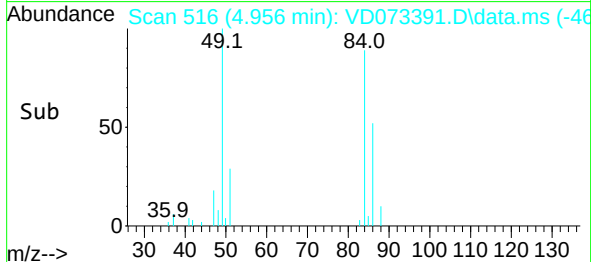
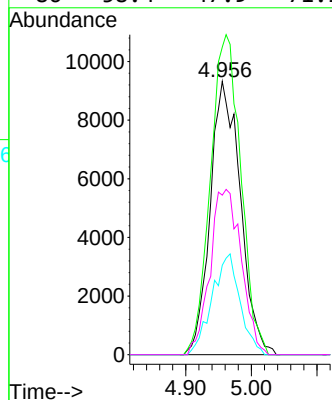
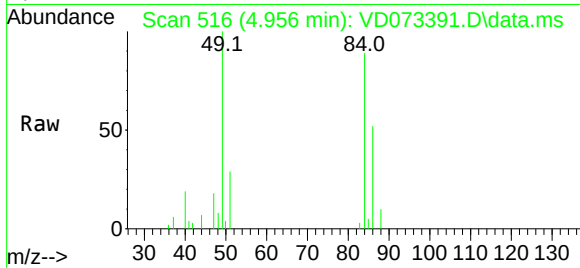




#20
Methylene Chloride
Concen: 5.642 ug/l
RT: 4.956 min Scan# 51
Delta R.T. -0.006 min
Lab File: VD073391.D
Acq: 26 May 2022 16:35

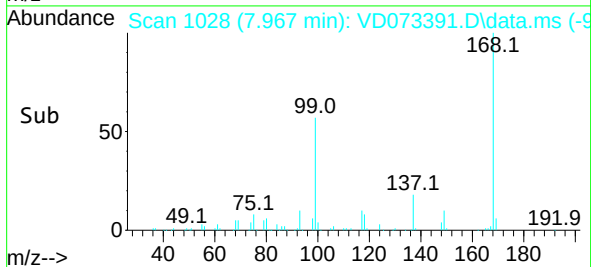
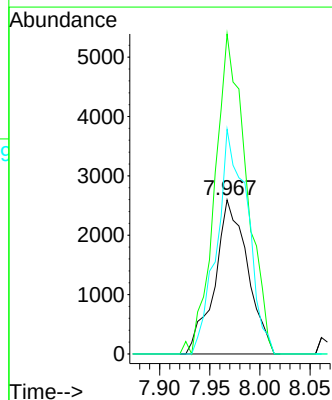
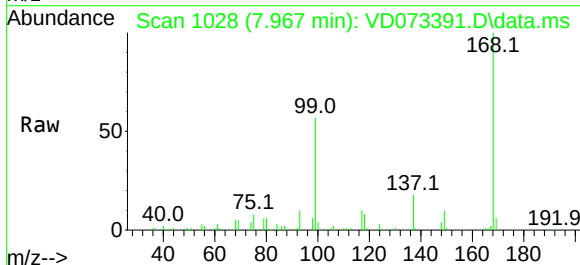
Instrument :
MSVOA_D
ClientSampleId :
ETGI-329

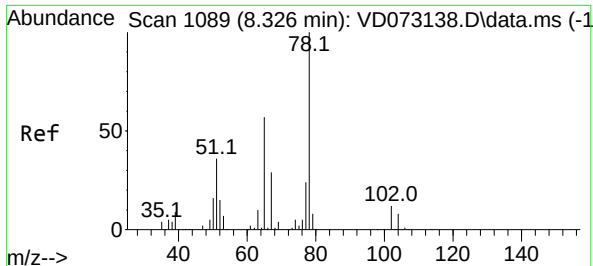
Tgt Ion:	84	Resp:	29710
Ion	Ratio	Lower	Upper
84	100		
49	112.6	112.8	169.2#
51	32.7	32.6	48.8
86	58.4	47.9	71.9



#31
Cyclohexane
Concen: 1.146 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD073391.D
Acq: 26 May 2022 16:35

Tgt Ion:	56	Resp:	5898
Ion	Ratio	Lower	Upper
56	100		
69	207.6	25.4	38.2#
84	145.7	63.0	94.4#





#33

1,2-Dichloroethane-d4

Concen: 53.849 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073391.D

Acq: 26 May 2022 16:35

Instrument :

MSVOA_D

ClientSampleId :

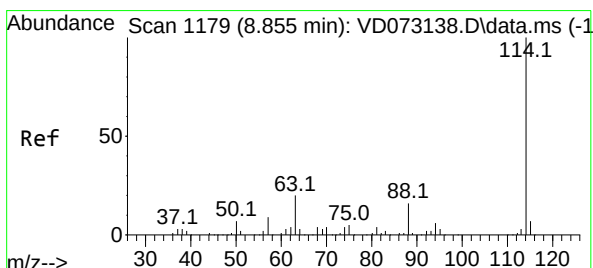
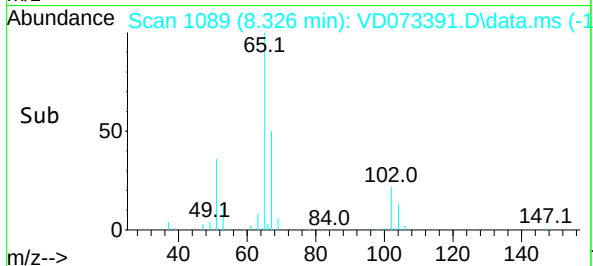
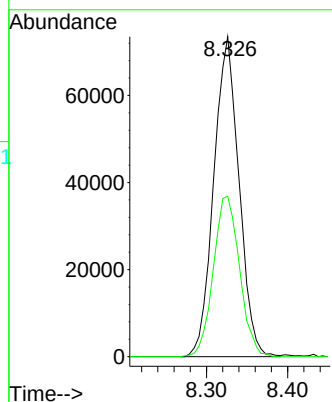
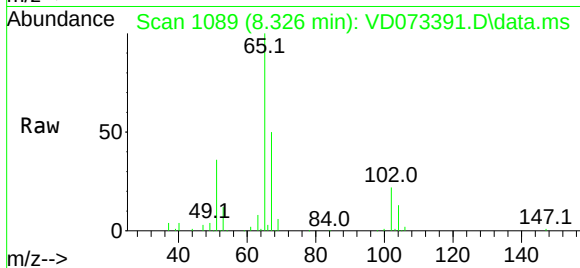
ETGI-329

Tgt Ion: 65 Resp: 158549

Ion Ratio Lower Upper

65 100

67 52.1 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: VD073391.D

Acq: 26 May 2022 16:35

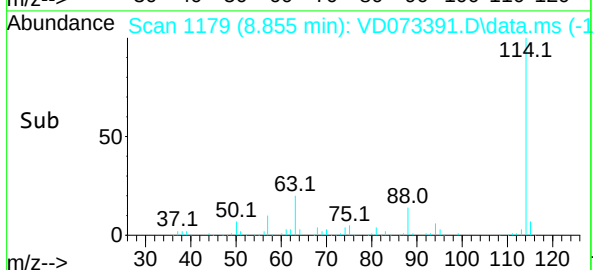
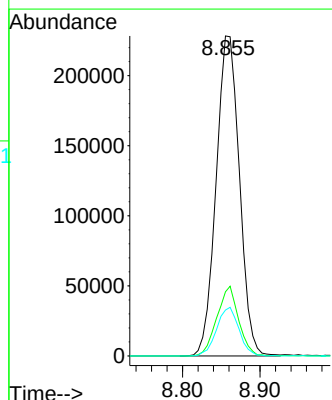
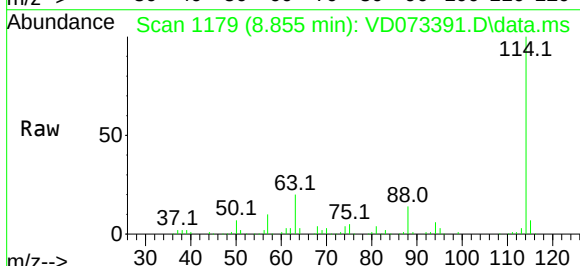
Tgt Ion: 114 Resp: 477380

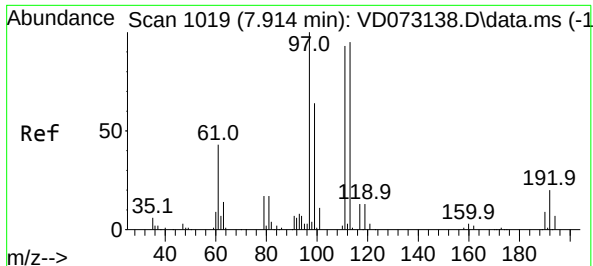
Ion Ratio Lower Upper

114 100

63 20.0 0.0 46.6

88 14.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 52.738 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073391.D

Acq: 26 May 2022 16:35

Instrument :

MSVOA_D

ClientSampleId :

ETGI-329

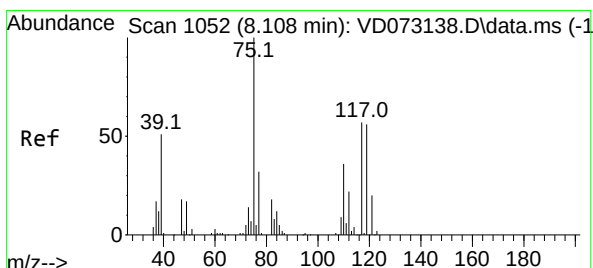
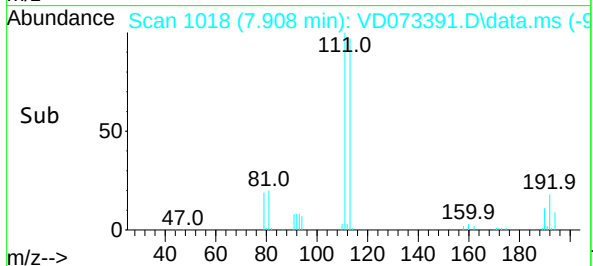
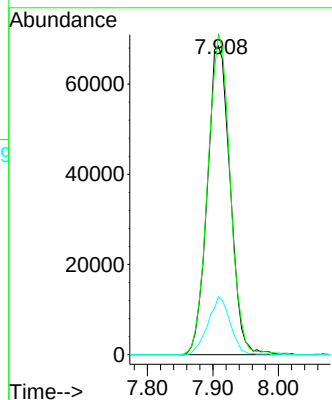
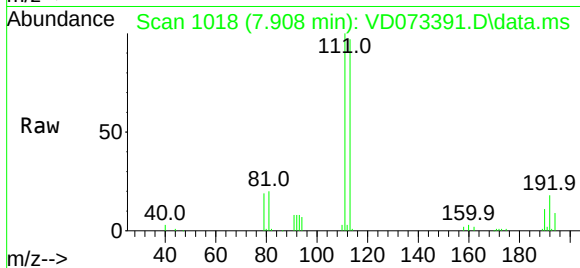
Tgt Ion:113 Resp: 166127

Ion Ratio Lower Upper

113 100

111 102.2 83.8 125.6

192 18.3 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.713 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073391.D

Acq: 26 May 2022 16:35

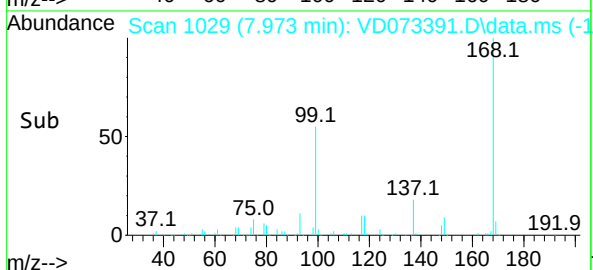
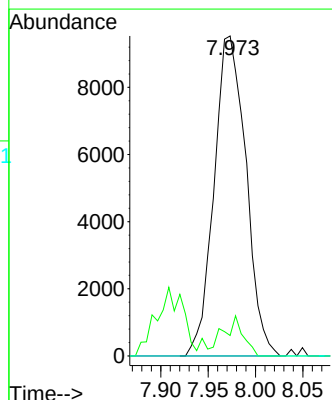
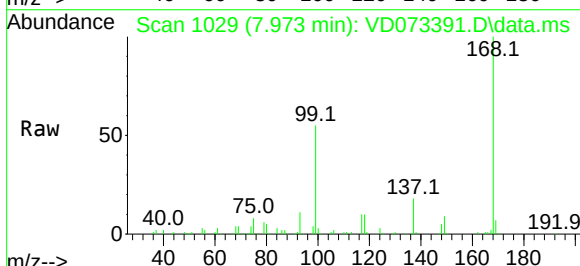
Tgt Ion: 75 Resp: 22327

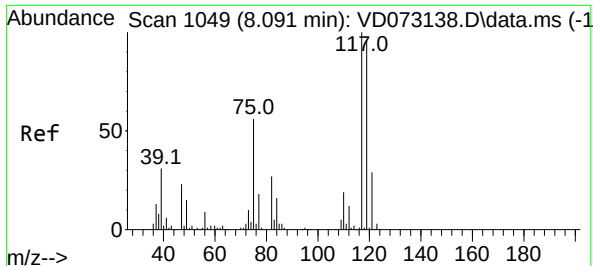
Ion Ratio Lower Upper

75 100

110 7.9 16.4 49.1#

77 0.0 24.2 36.2#

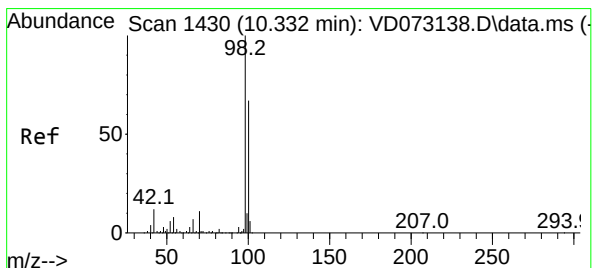
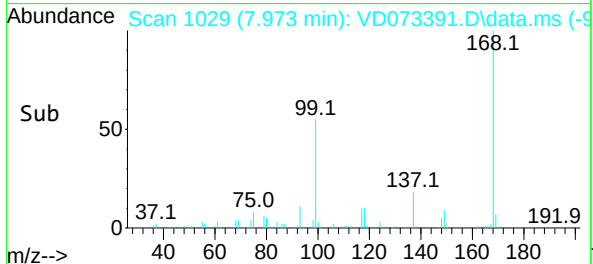
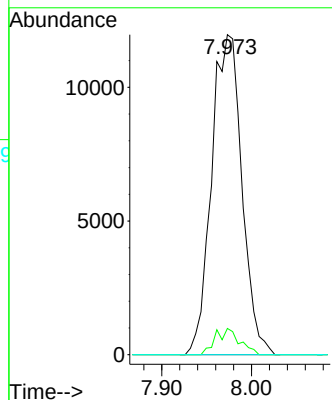
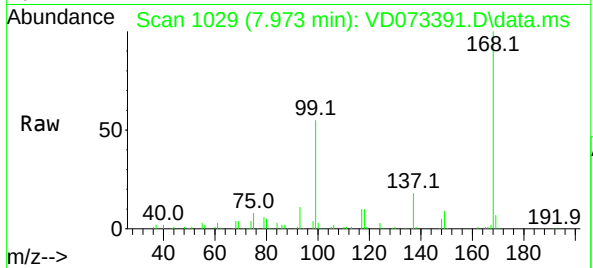




#38
Carbon Tetrachloride
Concen: 5.849 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073391.D
Acq: 26 May 2022 16:35

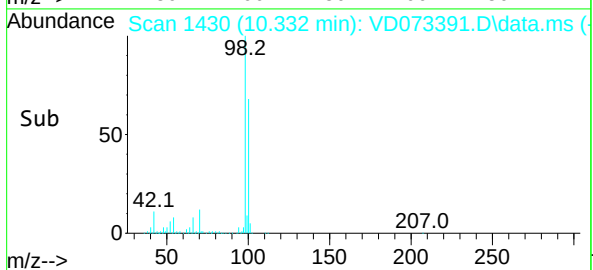
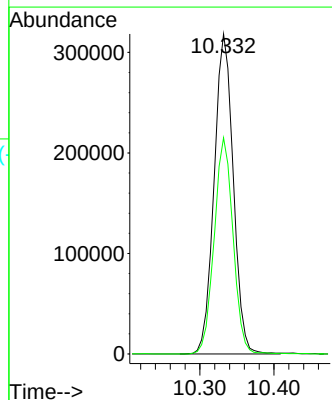
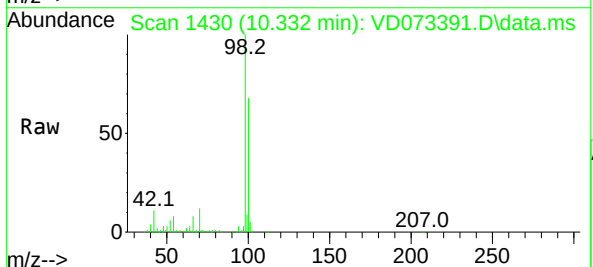
Instrument :
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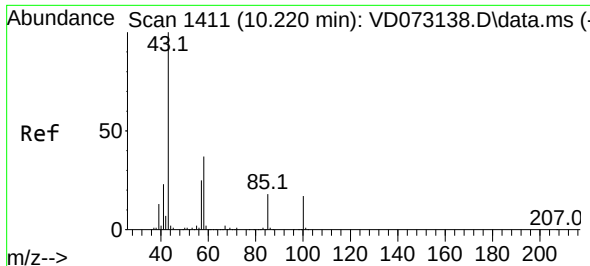
Tgt Ion:117 Resp: 28091
Ion Ratio Lower Upper
117 100
119 8.2 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.156 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073391.D
Acq: 26 May 2022 16:35

Tgt Ion: 98 Resp: 570797
Ion Ratio Lower Upper
98 100
100 66.7 52.4 78.6

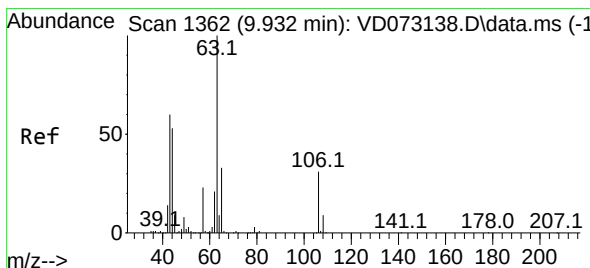
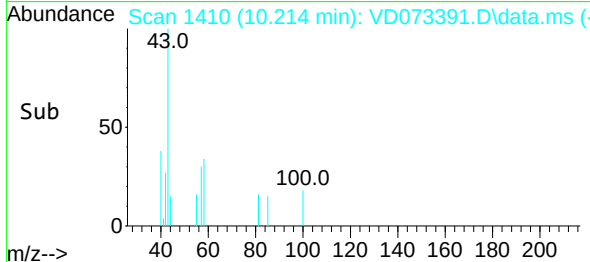
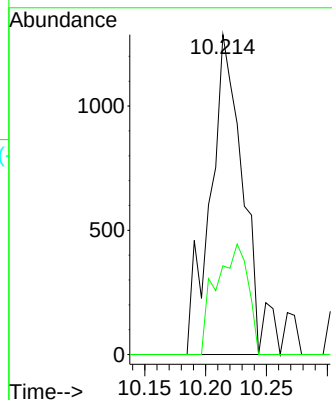
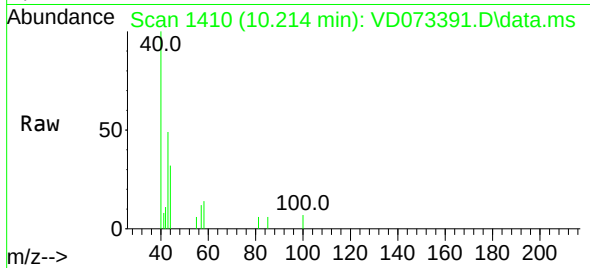




#51
4-Methyl-2-Pentanone
Concen: 1.357 ug/l
RT: 10.214 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD073391.D
Acq: 26 May 2022 16:35

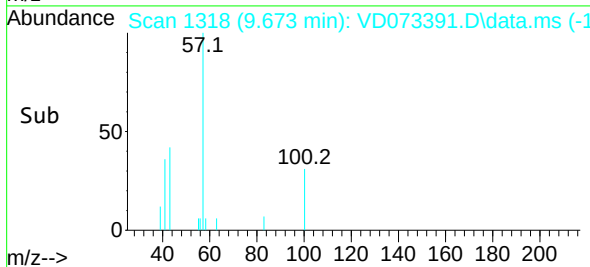
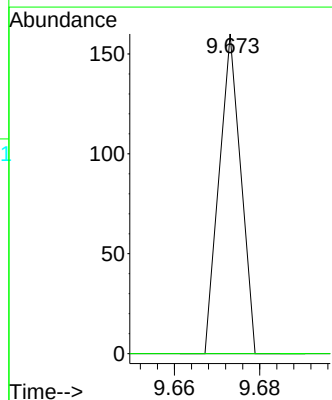
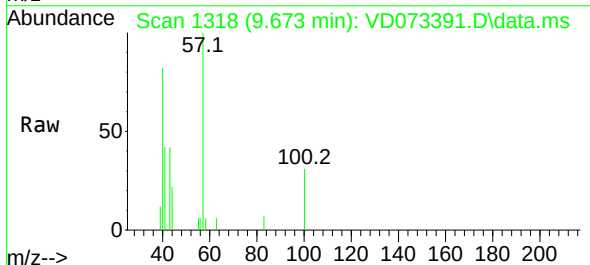
Instrument : MSVOA_D
ClientSampleId : ETGI-329

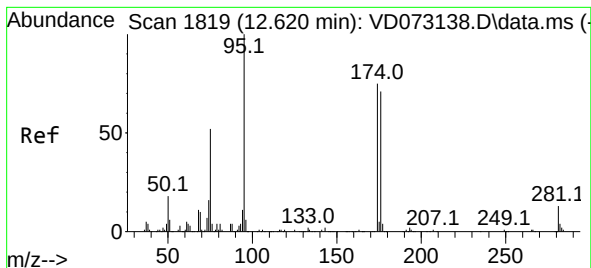
Tgt Ion: 43 Resp: 2438
Ion Ratio Lower Upper
43 100
58 33.4 28.6 43.0



#58
2-Chloroethyl Vinyl ether
Concen: 21.659 ug/l
RT: 9.673 min Scan# 1318
Delta R.T. -0.259 min
Lab File: VD073391.D
Acq: 26 May 2022 16:35

Tgt Ion: 63 Resp: 56
Ion Ratio Lower Upper
63 100
106 0.0 21.4 32.0#

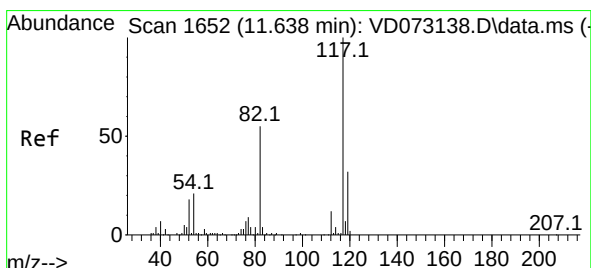
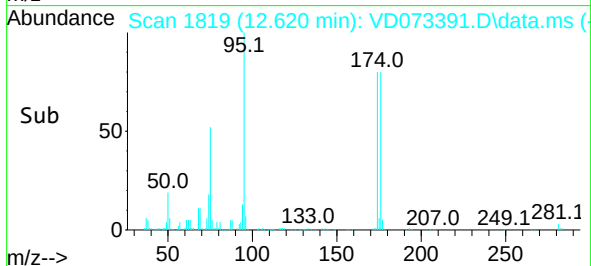
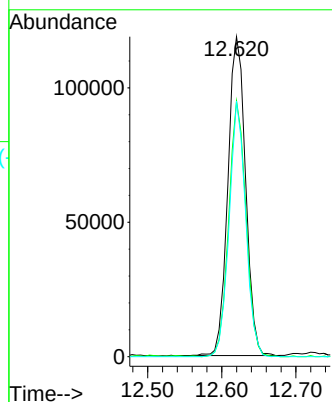
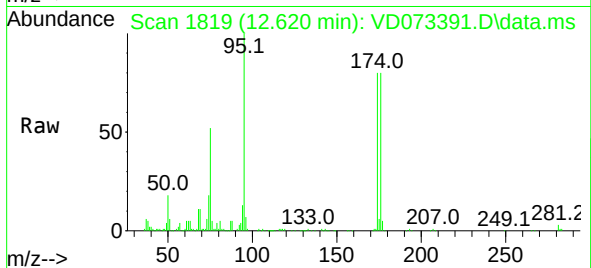




#62
4-Bromofluorobenzene
Concen: 48.149 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073391.D
Acq: 26 May 2022 16:35

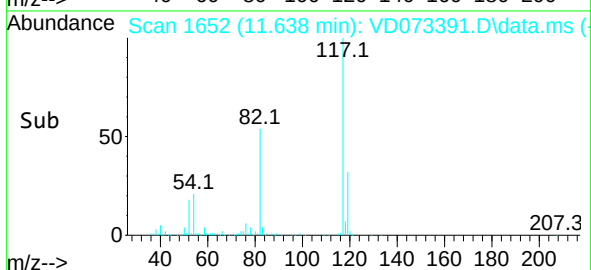
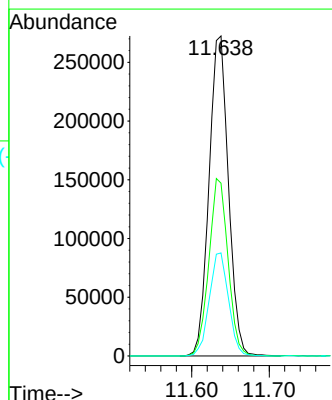
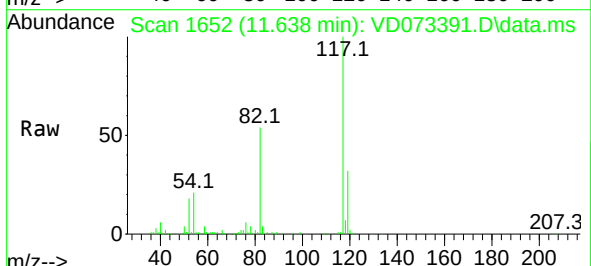
Instrument :
MSVOA_D
ClientSampleId :
ETGI-329

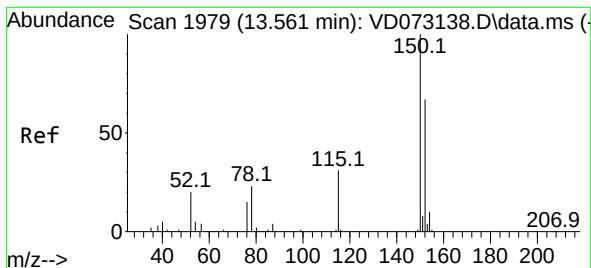
Tgt Ion: 95 Resp: 196214
Ion Ratio Lower Upper
95 100
174 78.4 0.0 152.8
176 74.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073391.D
Acq: 26 May 2022 16:35

Tgt Ion: 117 Resp: 473783
Ion Ratio Lower Upper
117 100
82 54.0 45.3 67.9
119 32.2 26.6 40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1819

Delta R.T. 0.000 min

Lab File: VD073391.D

Acq: 26 May 2022 16:35

Instrument :

MSVOA_D

ClientSampleId :

ETGI-329

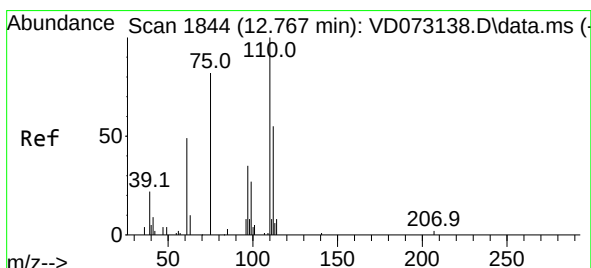
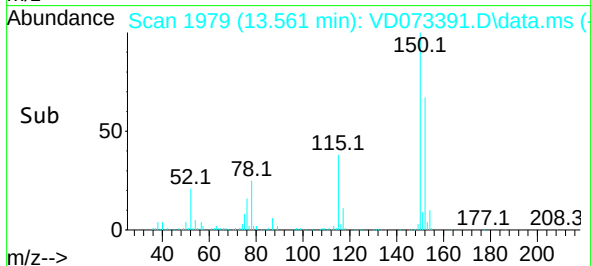
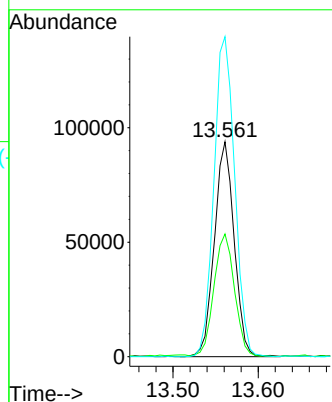
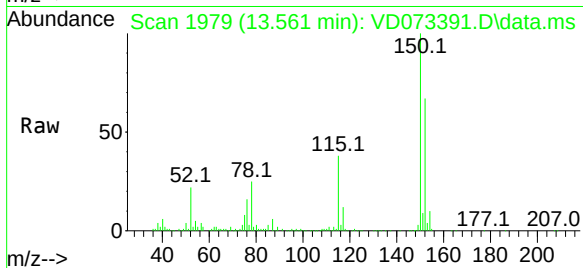
Tgt Ion:152 Resp: 152115

Ion Ratio Lower Upper

152 100

115 59.0 31.3 93.8

150 155.9 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 66.832 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073391.D

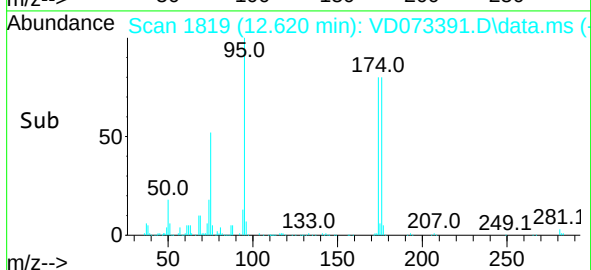
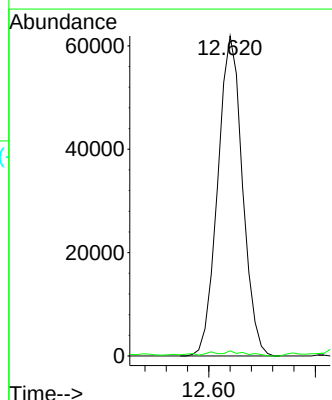
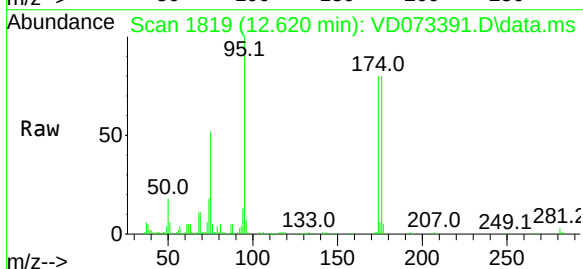
Acq: 26 May 2022 16:35

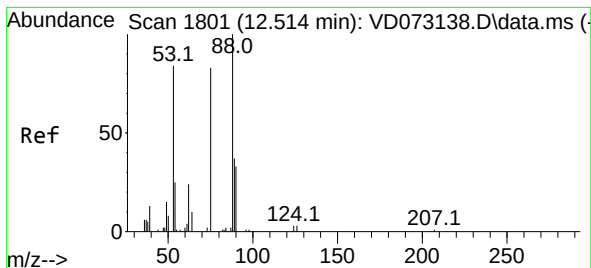
Tgt Ion: 75 Resp: 99748

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

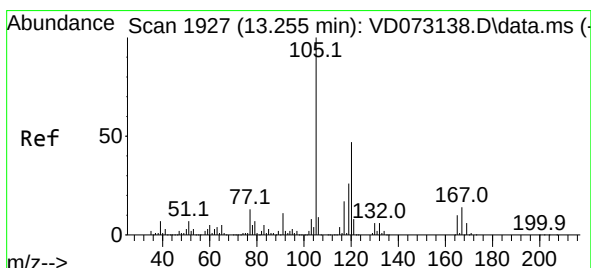
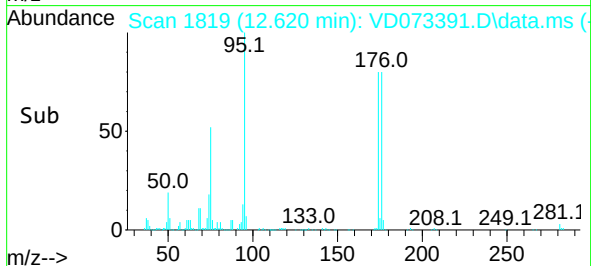
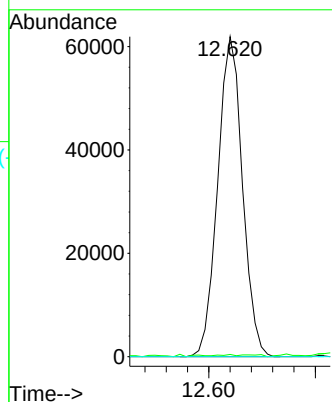
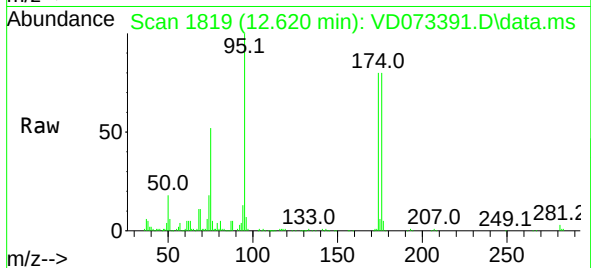




#81
trans-1,4-Dichloro-2-butene
Concen: 160.444 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073391.D
Acq: 26 May 2022 16:35

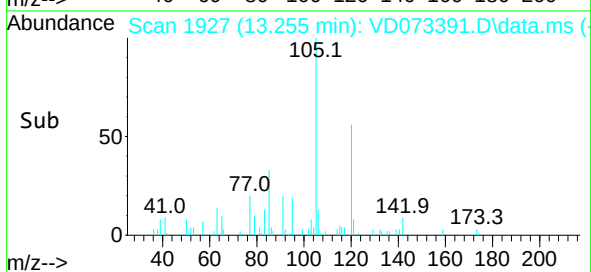
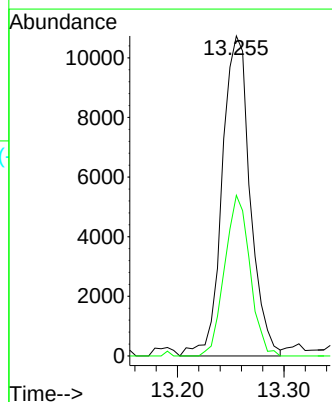
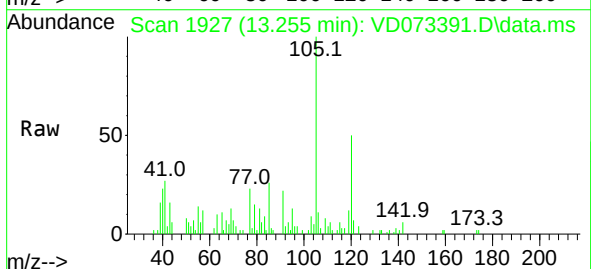
Instrument :
MSVOA_D
ClientSampleId :
ETGI-329

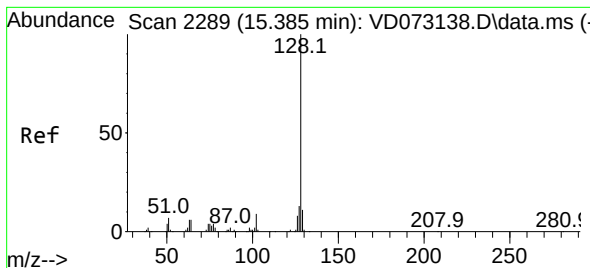
Tgt Ion: 75 Resp: 99748
Ion Ratio Lower Upper
75 100
53 0.3 86.5 129.7#
89 0.0 33.9 50.9#



#84
1,2,4-Trimethylbenzene
Concen: 2.158 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD073391.D
Acq: 26 May 2022 16:35

Tgt Ion: 105 Resp: 19585
Ion Ratio Lower Upper
105 100
120 45.2 22.3 66.8





#95

Naphthalene

Concen: 14.892 ug/l

RT: 15.379 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD073391.D

Acq: 26 May 2022 16:35

Instrument :

MSVOA_D

ClientSampleId :

ETGI-329

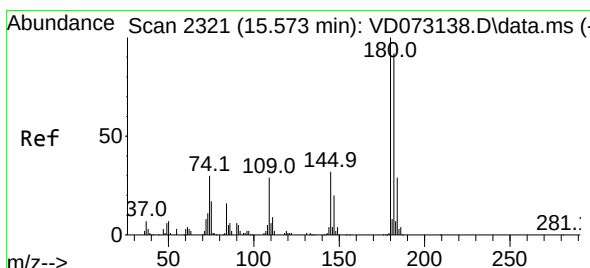
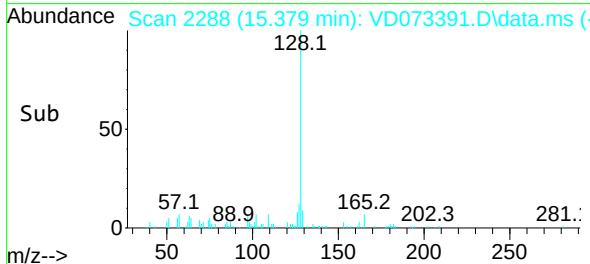
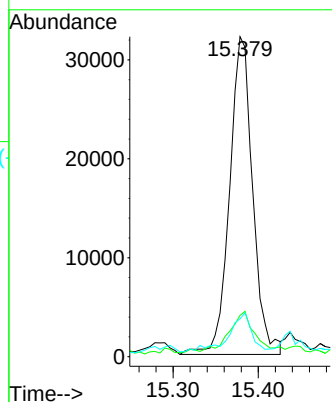
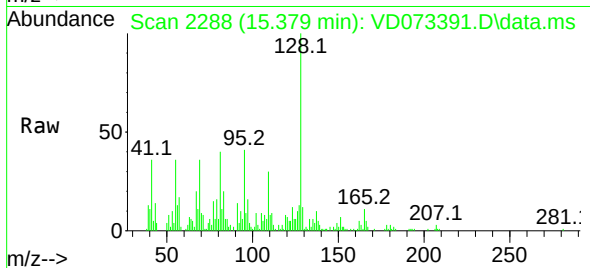
Tgt Ion:128 Resp: 60809

Ion Ratio Lower Upper

128 100

127 16.0 10.3 15.5#

129 11.6 8.4 12.6



#96

1,2,3-Trichlorobenzene

Concen: 3.086 ug/l

RT: 15.590 min Scan# 2324

Delta R.T. 0.017 min

Lab File: VD073391.D

Acq: 26 May 2022 16:35

Tgt Ion:180 Resp: 6914

Ion Ratio Lower Upper

180 100

182 10.4 47.6 142.9#

145 0.0 17.1 51.3#

