

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052323\
 Data File : VD076199.D
 Acq On : 23 May 2023 18:00
 Operator : KP/SY
 Sample : 02864-05
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ETGI-359

Quant Time: May 24 06:42:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

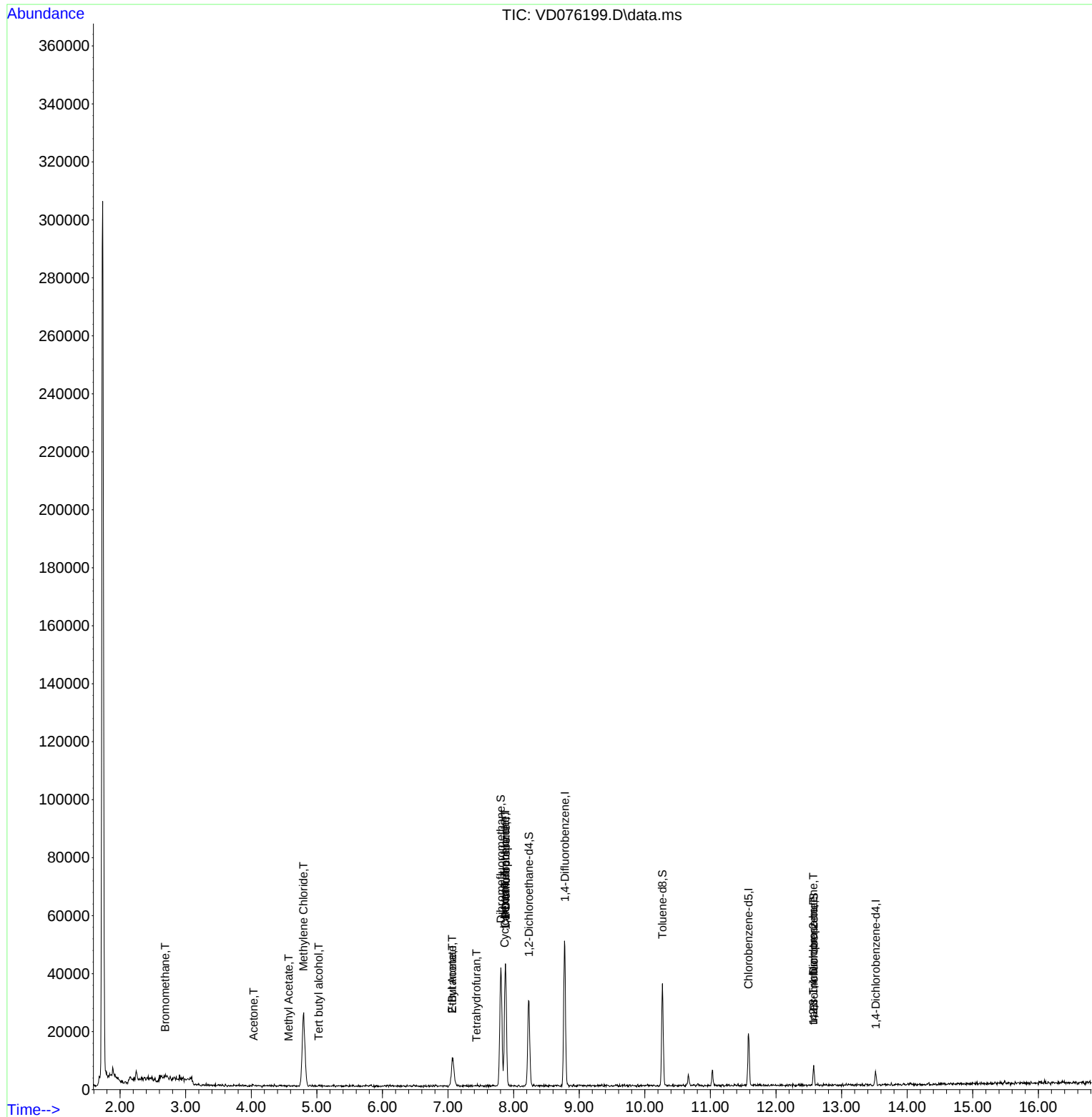
Internal Standards						
1) Pentafluorobenzene	7.875	168	34403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	47229	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	12183	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	1400	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	22956	69.041	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 138.080%			
35) Dibromofluoromethane	7.805	113	29771	91.195	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 182.380%#			
50) Toluene-d8	10.269	98	26108	20.515	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 41.040%#			
62) 4-Bromofluorobenzene	12.575	95	2120	5.997	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 12.000%#			
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	339	Below Cal	#	35
5) Bromomethane	2.687	94	822	1.825	ug/l #	77
11) Tert butyl alcohol	5.028	59	56	3.184	ug/l #	100
16) Acetone	4.034	43	449	6.787	ug/l #	44
17) Carbon Disulfide	4.264	76	56	Below Cal	#	73
18) Methyl Acetate	4.569	43	276	1.170	ug/l #	54
20) Methylene Chloride	4.793	84	21130	37.877	ug/l #	72
25) 2-Butanone	7.063	43	156	1.875	ug/l #	50
29) Tetrahydrofuran	7.434	42	72	1.485	ug/l #	11
31) Cyclohexane	7.863	56	744	1.461	ug/l #	23
36) 1,1-Dichloropropene	7.881	75	3085	6.997	ug/l #	42
37) Ethyl Acetate	7.063	43	156	1.022	ug/l #	80
38) Carbon Tetrachloride	7.869	117	2967	7.450	ug/l #	13
76) 1,2,3-Trichloropropane	12.569	75	1003	81.870	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	1003	171.749	ug/l #	5

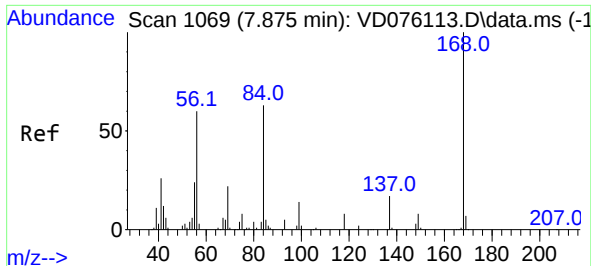
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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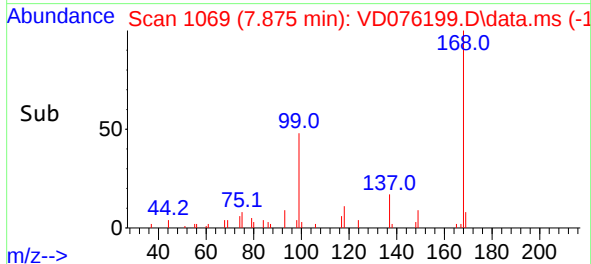
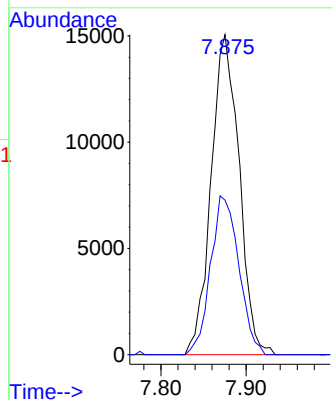
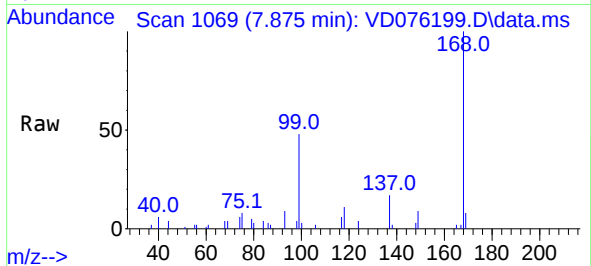




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD076199.D
Acq: 23 May 2023 18:00

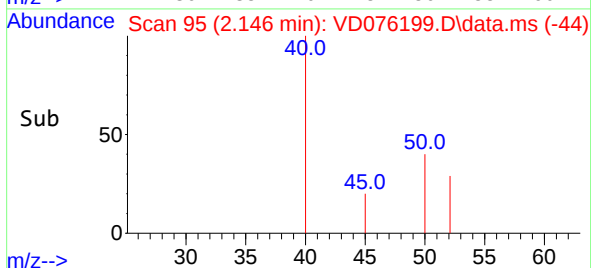
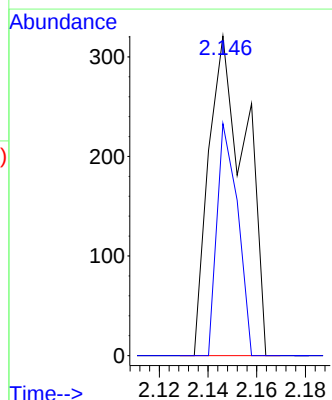
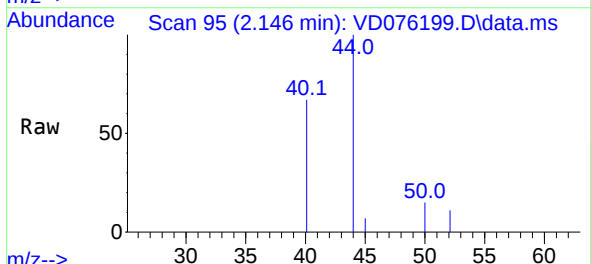
Instrument :
MSVOA_D
ClientSampleId :
ETGI-359

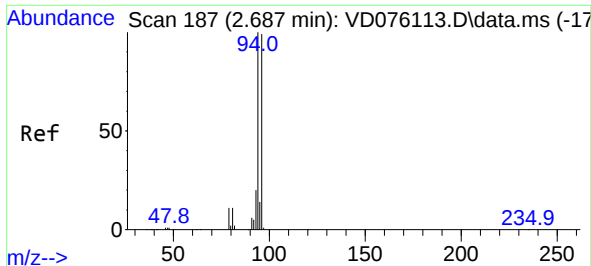
Tgt Ion:168 Resp: 34403
Ion Ratio Lower Upper
168 100
99 48.3 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD076199.D
Acq: 23 May 2023 18:00

Tgt Ion: 50 Resp: 339
Ion Ratio Lower Upper
50 100
52 72.6 27.8 41.8#

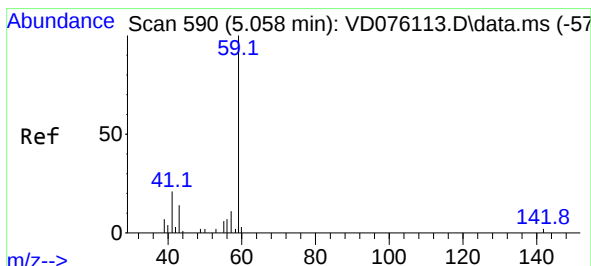
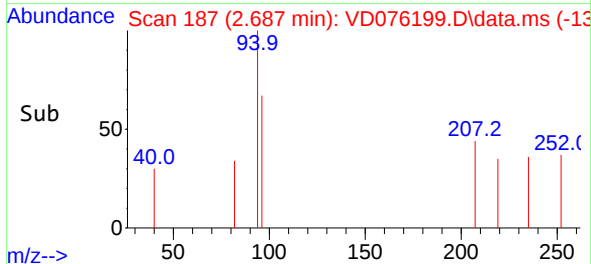
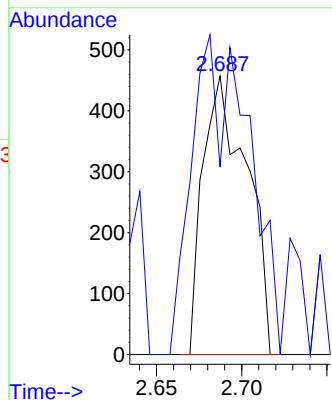
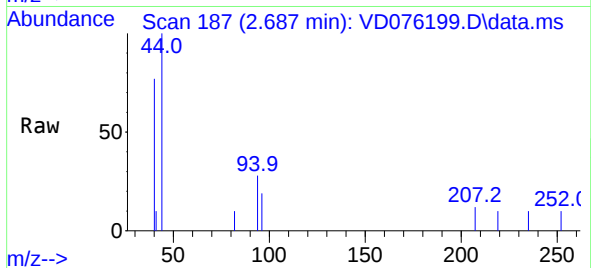




#5
Bromomethane
Concen: 1.825 ug/l
RT: 2.687 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD076199.D
Acq: 23 May 2023 18:00

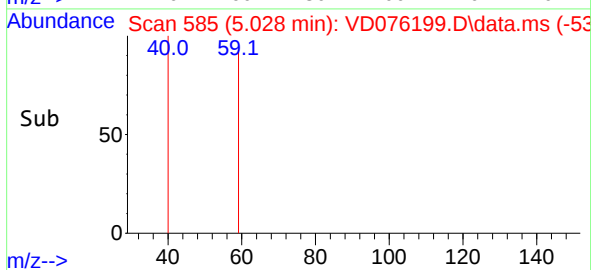
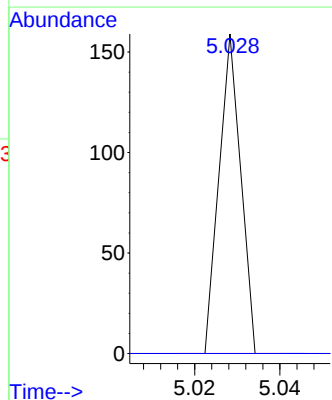
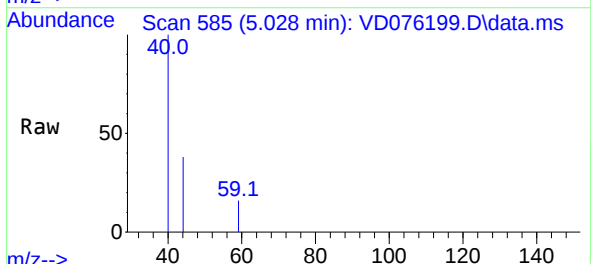
Instrument :
MSVOA_D
ClientSampleId :
ETGI-359

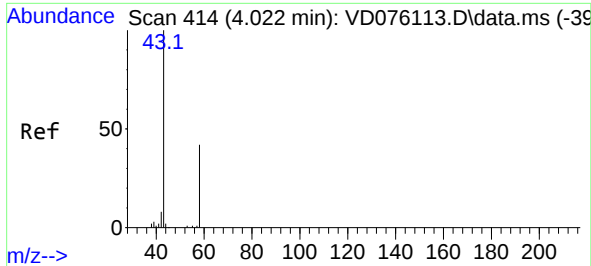
Tgt Ion: 94 Resp: 822
Ion Ratio Lower Upper
94 100
96 74.5 77.5 116.3#



#11
Tert butyl alcohol
Concen: 3.184 ug/l
RT: 5.028 min Scan# 585
Delta R.T. -0.024 min
Lab File: VD076199.D
Acq: 23 May 2023 18:00

Tgt Ion: 59 Resp: 56
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0





#16

Acetone

Concen: 6.787 ug/l

RT: 4.034 min Scan# 41

Delta R.T. 0.012 min

Lab File: VD076199.D

Acq: 23 May 2023 18:00

Instrument :

MSVOA_D

ClientSampleId :

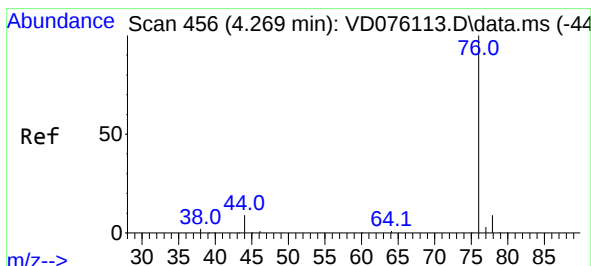
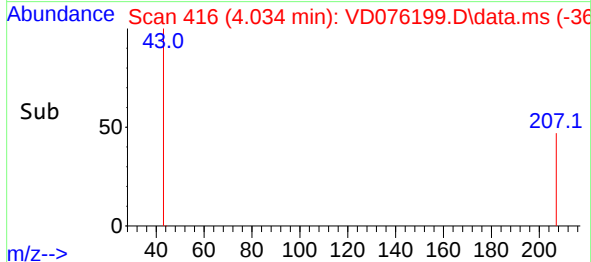
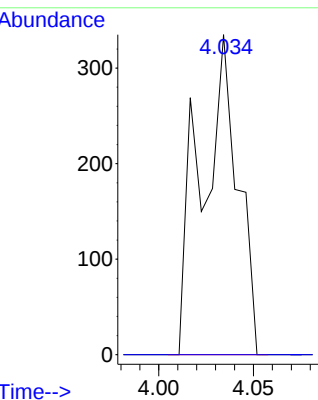
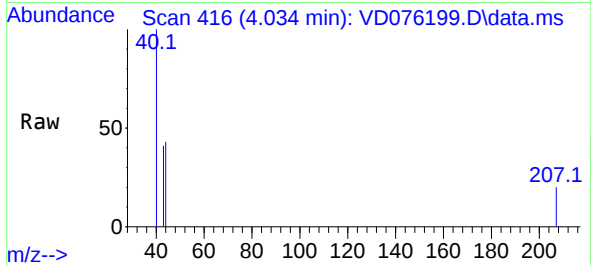
ETGI-359

Tgt Ion: 43 Resp: 449

Ion Ratio Lower Upper

43 100

58 0.0 24.4 36.6#



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.264 min Scan# 455

Delta R.T. -0.005 min

Lab File: VD076199.D

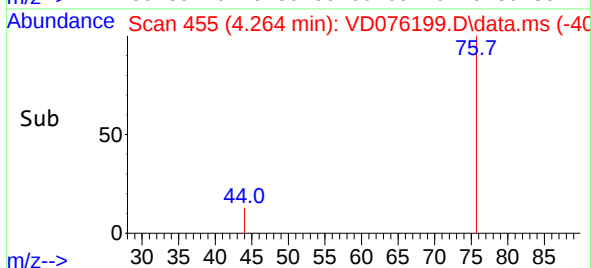
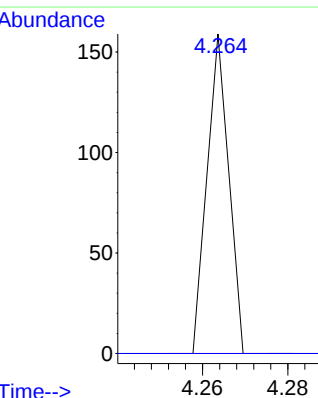
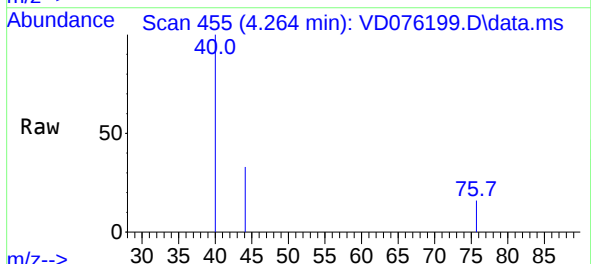
Acq: 23 May 2023 18:00

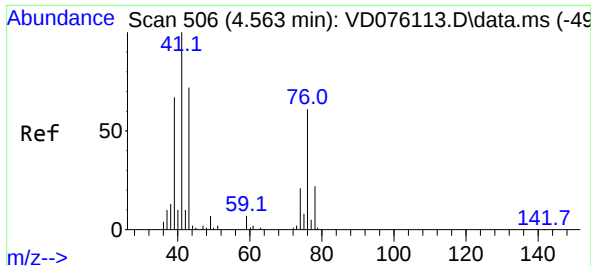
Tgt Ion: 76 Resp: 56

Ion Ratio Lower Upper

76 100

78 0.0 8.0 12.0#

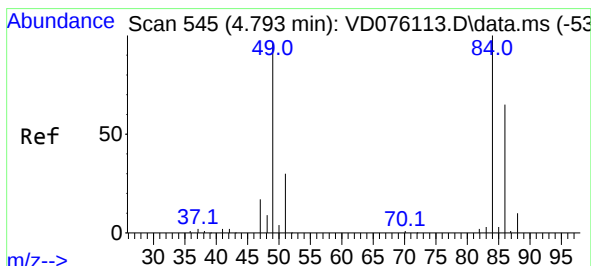
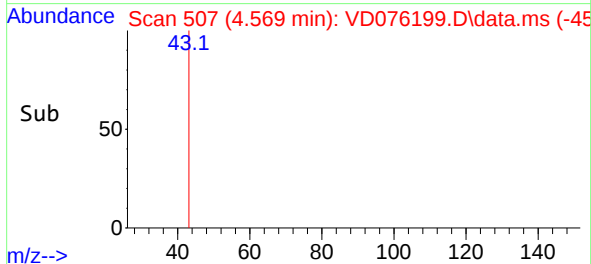
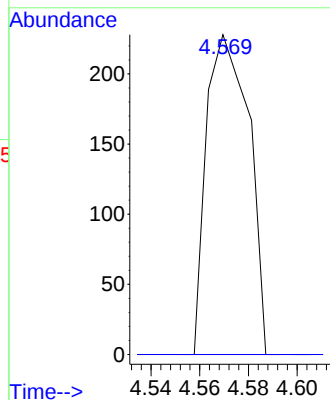
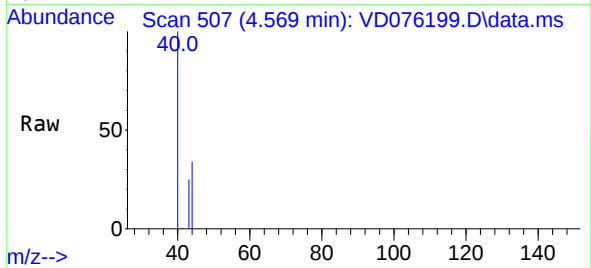




#18
Methyl Acetate
Concen: 1.170 ug/l
RT: 4.569 min Scan# 506
Delta R.T. 0.006 min
Lab File: VD076199.D
Acq: 23 May 2023 18:00

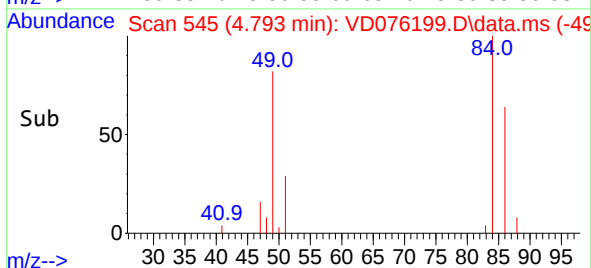
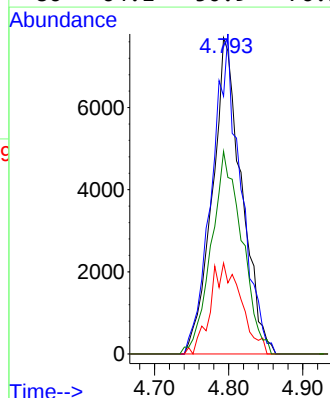
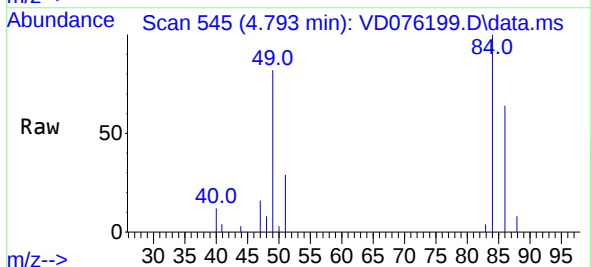
Instrument :
MSVOA_D
ClientSampleId :
ETGI-359

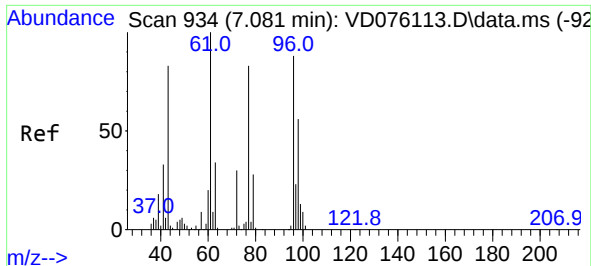
Tgt Ion: 43 Resp: 276
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.6#



#20
Methylene Chloride
Concen: 37.877 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD076199.D
Acq: 23 May 2023 18:00

Tgt Ion: 84 Resp: 21130
Ion Ratio Lower Upper
84 100
49 81.5 106.4 159.6#
51 28.8 32.4 48.6#
86 64.1 50.9 76.3





#25

2-Butanone

Concen: 1.875 ug/l

RT: 7.063 min Scan# 91

Delta R.T. -0.018 min

Lab File: VD076199.D

Acq: 23 May 2023 18:00

Instrument :

MSVOA_D

ClientSampleId :

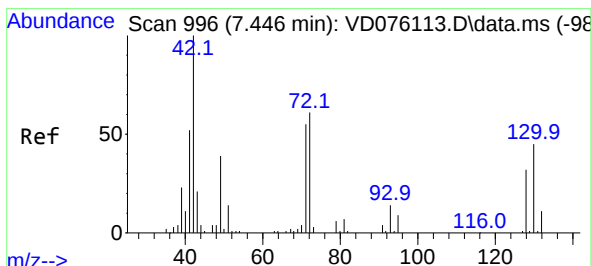
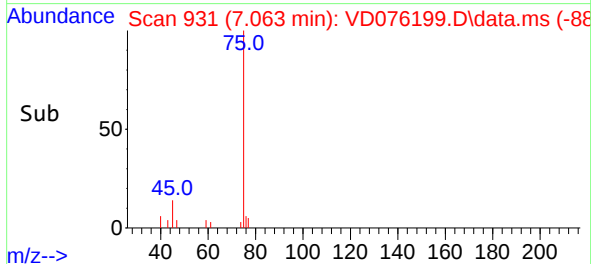
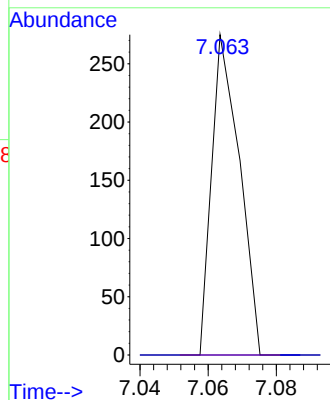
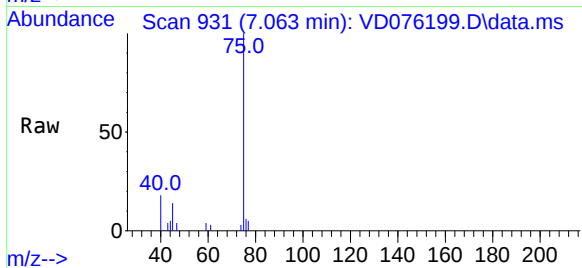
ETGI-359

Tgt Ion: 43 Resp: 156

Ion Ratio Lower Upper

43 100

72 0.0 19.8 29.8#



#29

Tetrahydrofuran

Concen: 1.485 ug/l

RT: 7.434 min Scan# 994

Delta R.T. -0.006 min

Lab File: VD076199.D

Acq: 23 May 2023 18:00

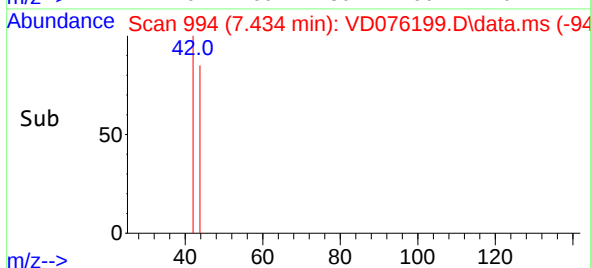
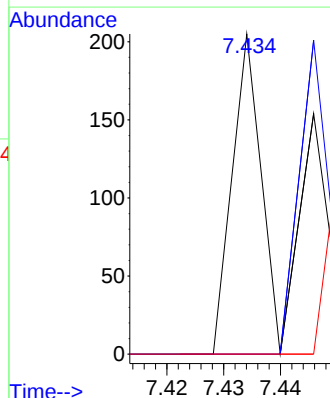
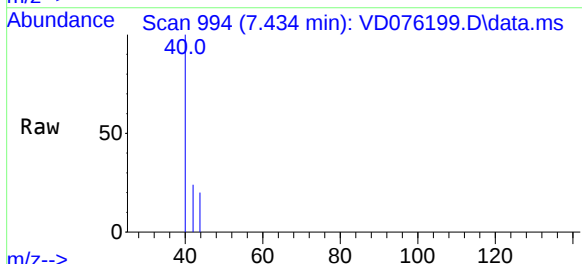
Tgt Ion: 42 Resp: 72

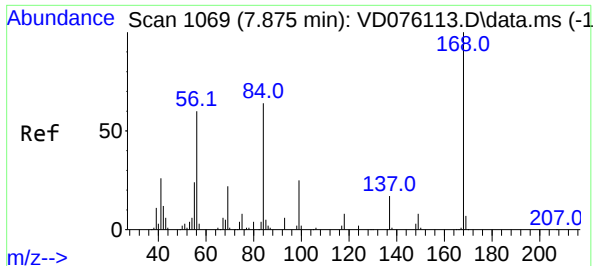
Ion Ratio Lower Upper

42 100

72 98.6 31.8 47.6#

71 81.9 27.6 41.4#

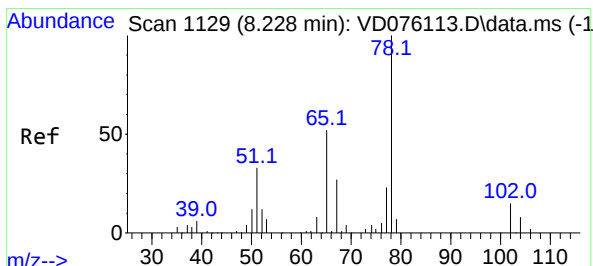
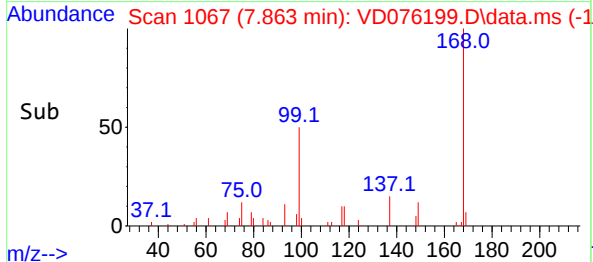
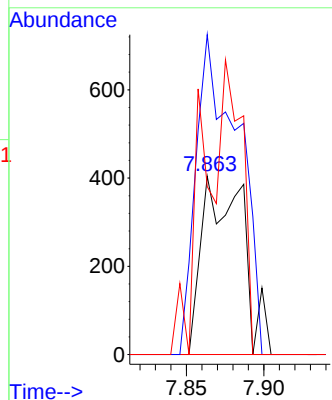
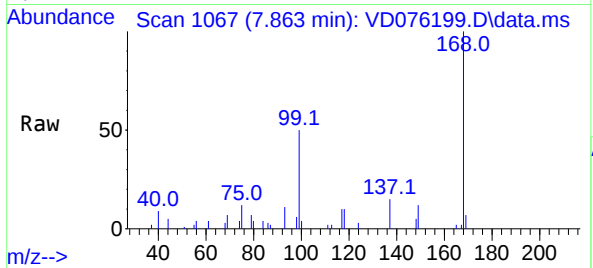




#31
Cyclohexane
Concen: 1.461 ug/l
RT: 7.863 min Scan# 110
Delta R.T. -0.012 min
Lab File: VD076199.D
Acq: 23 May 2023 18:00

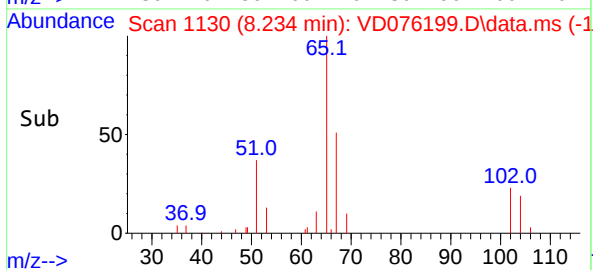
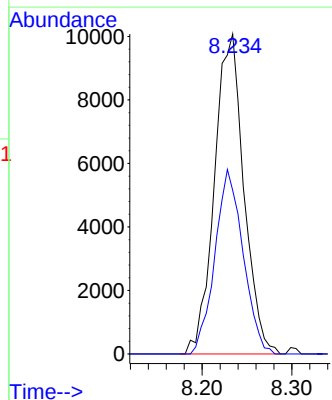
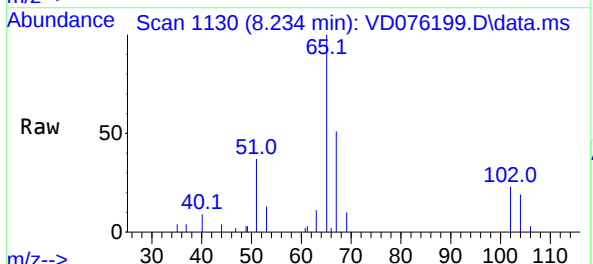
Instrument :
MSVOA_D
ClientSampleId :
ETGI-359

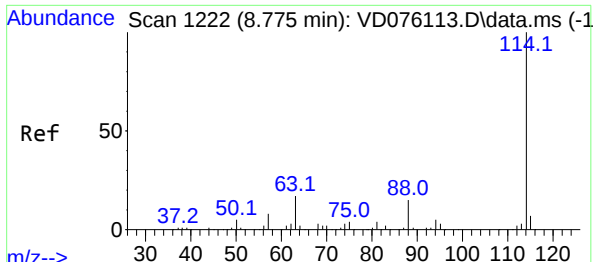
Tgt Ion: 56 Resp: 744
Ion Ratio Lower Upper
56 100
69 179.5 25.5 38.3#
84 94.3 69.6 104.4



#33
1,2-Dichloroethane-d4
Concen: 69.041 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD076199.D
Acq: 23 May 2023 18:00

Tgt Ion: 65 Resp: 22956
Ion Ratio Lower Upper
65 100
67 55.2 0.0 102.2



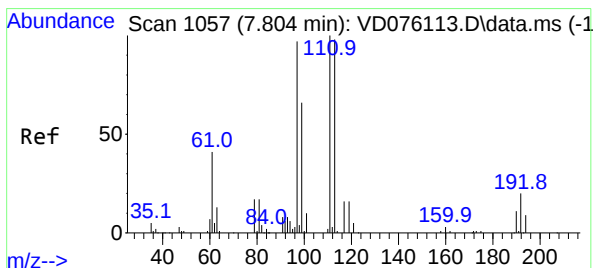
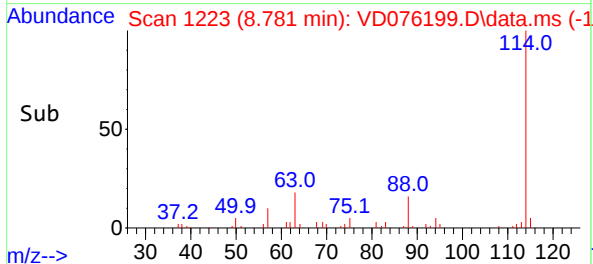
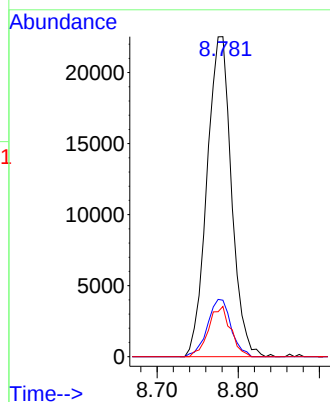
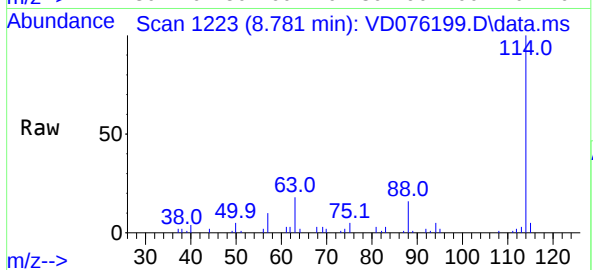


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 114
Delta R.T. 0.006 min
Lab File: VD076199.D
Acq: 23 May 2023 18:00

Instrument :
MSVOA_D
ClientSampleId :
ETGI-359

Tgt Ion:114 Resp: 47229

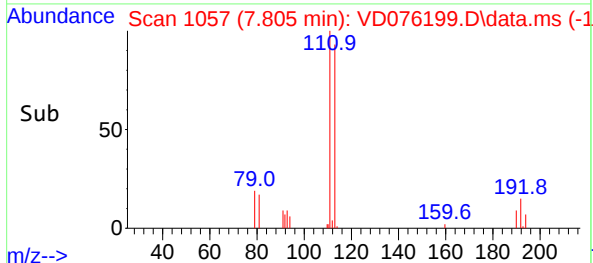
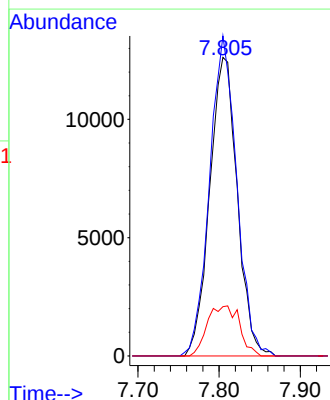
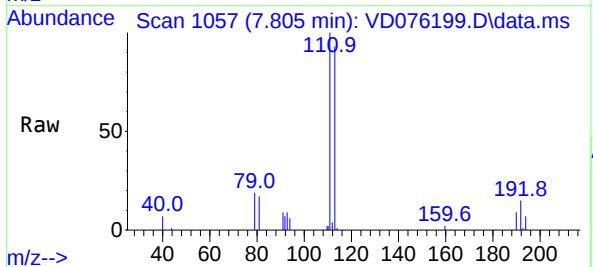
Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	41.6
88	15.7	0.0	30.6

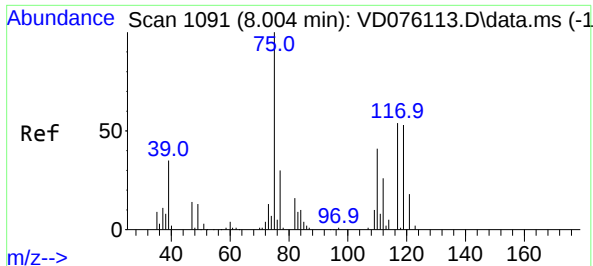


#35
Dibromofluoromethane
Concen: 91.195 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD076199.D
Acq: 23 May 2023 18:00

Tgt Ion:113 Resp: 29771

Ion	Ratio	Lower	Upper
113	100		
111	105.6	81.4	122.0
192	19.6	15.2	22.8





#36

1,1-Dichloropropene

Concen: 6.997 ug/l

RT: 7.881 min Scan# 1091

Delta R.T. -0.129 min

Lab File: VD076199.D

Acq: 23 May 2023 18:00

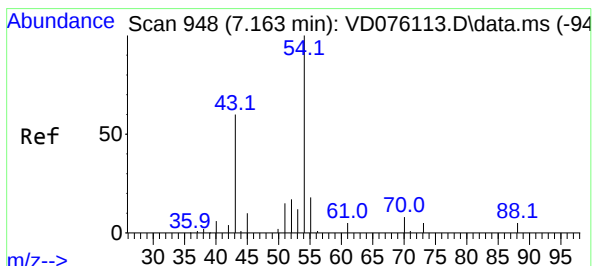
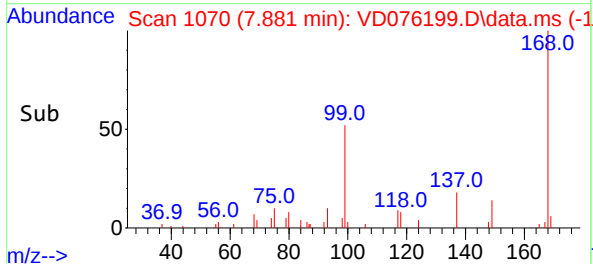
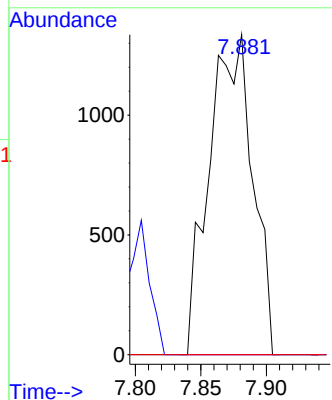
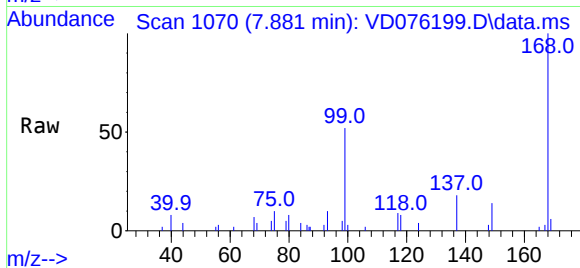
Instrument :

MSVOA_D

ClientSampleId :

ETGI-359

Tgt Ion: 75	Resp:	3085
Ion	Ratio	Lower Upper
75	100	
110	0.0	17.1 51.2#
77	0.0	24.6 36.8#



#37

Ethyl Acetate

Concen: 1.022 ug/l

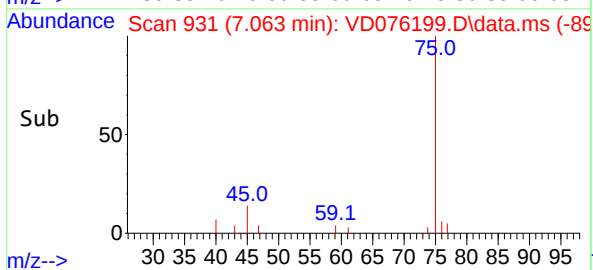
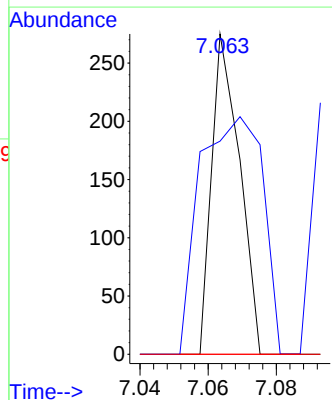
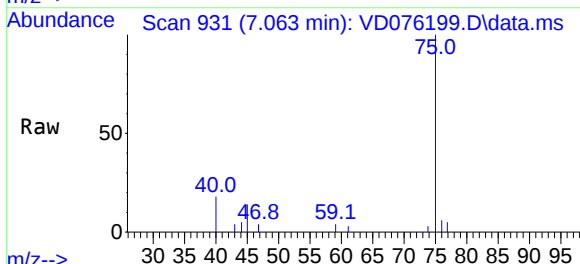
RT: 7.063 min Scan# 931

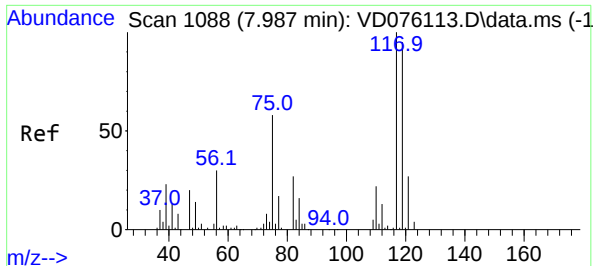
Delta R.T. -0.106 min

Lab File: VD076199.D

Acq: 23 May 2023 18:00

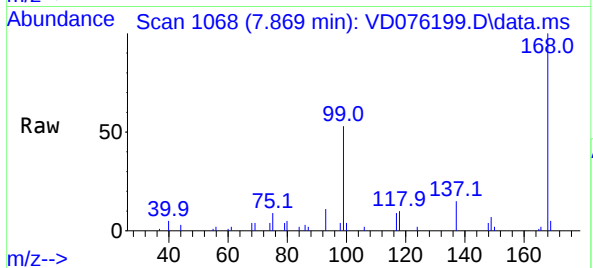
Tgt Ion: 43	Resp:	156
Ion	Ratio	Lower Upper
43	100	
61	167.3	0.0 0.0#
70	0.0	5.6 8.4#



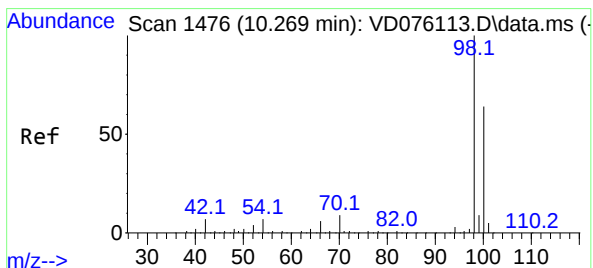
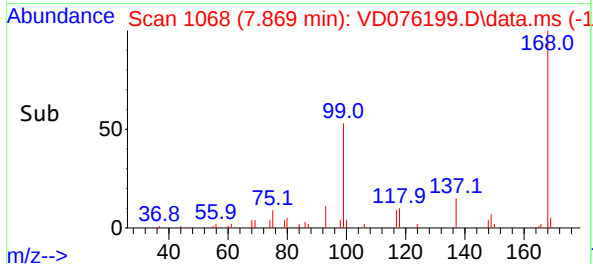
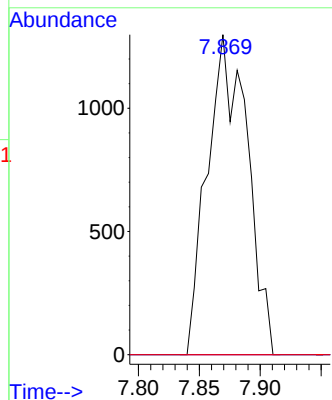


#38
Carbon Tetrachloride
Concen: 7.450 ug/l
RT: 7.869 min Scan# 1088
Delta R.T. -0.124 min
Lab File: VD076199.D
Acq: 23 May 2023 18:00

Instrument :
MSVOA_D
ClientSampleId :
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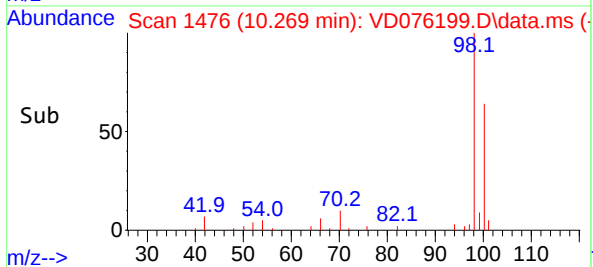
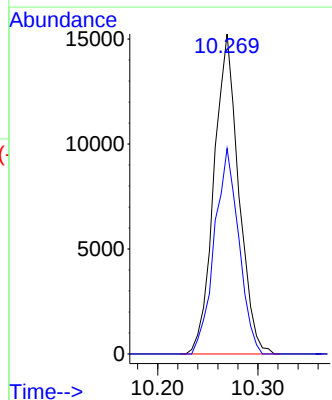
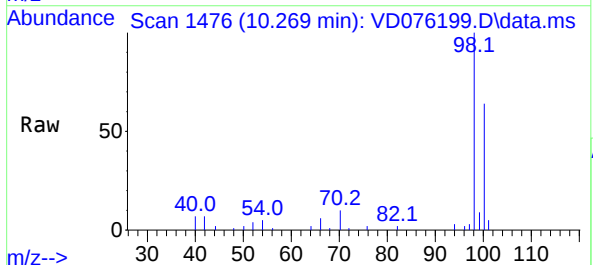


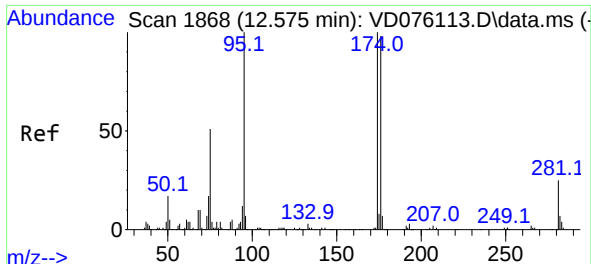
Tgt Ion:117 Resp: 2967
Ion Ratio Lower Upper
117 100
119 0.0 74.7 112.1#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 20.515 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076199.D
Acq: 23 May 2023 18:00

Tgt Ion: 98 Resp: 26108
Ion Ratio Lower Upper
98 100
100 63.4 52.1 78.1

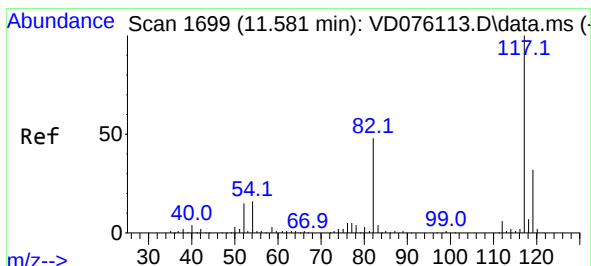
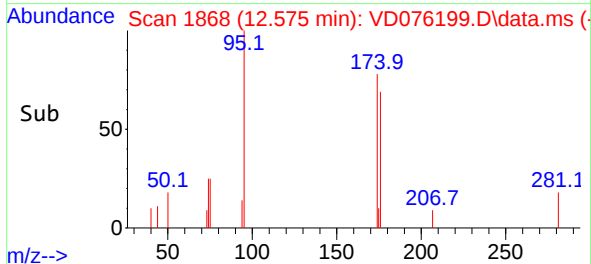
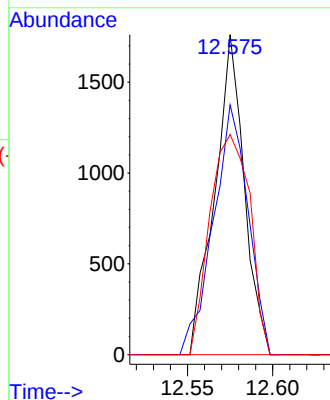
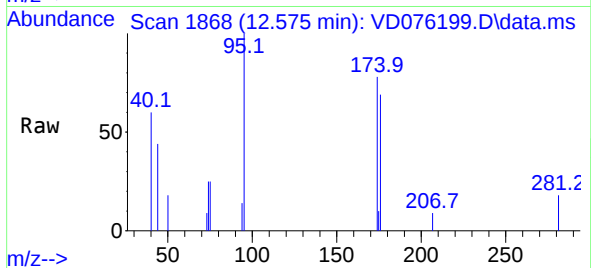




#62
4-Bromofluorobenzene
Concen: 5.997 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076199.D
Acq: 23 May 2023 18:00

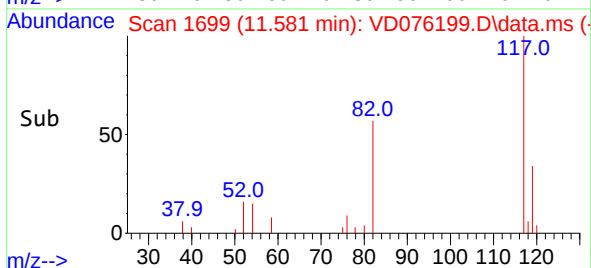
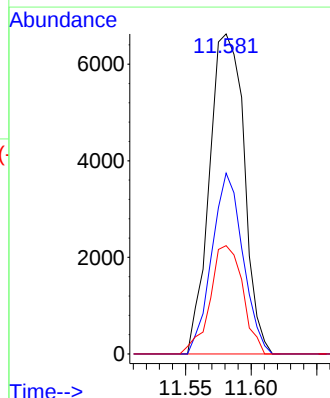
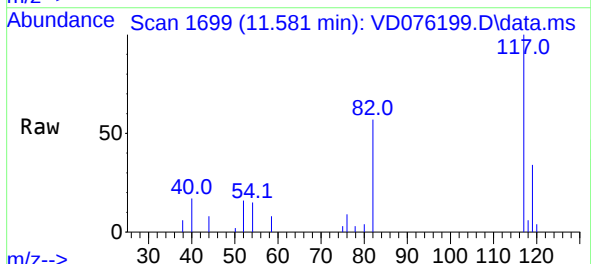
Instrument :
MSVOA_D
ClientSampleId :
ETGI-359

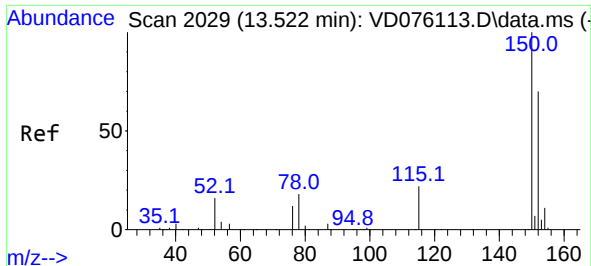
Tgt Ion: 95 Resp: 2120
Ion Ratio Lower Upper
95 100
174 92.0 0.0 164.0
176 93.7 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076199.D
Acq: 23 May 2023 18:00

Tgt Ion: 117 Resp: 12183
Ion Ratio Lower Upper
117 100
82 56.5 44.0 66.0
119 33.9 25.1 37.7

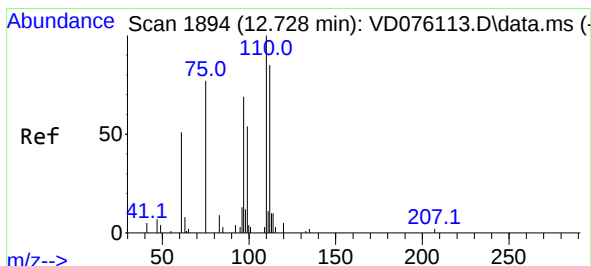
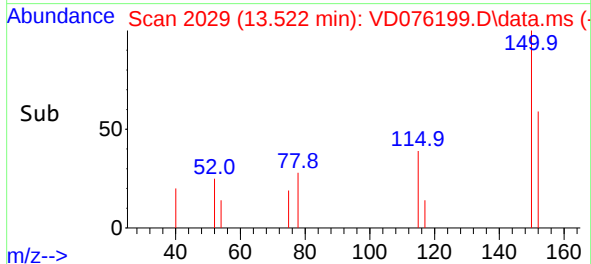
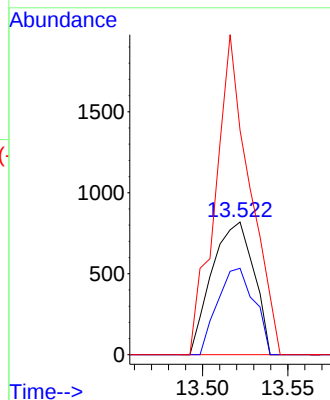
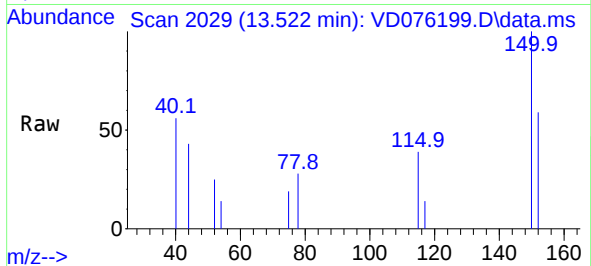




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 2029
 Delta R.T. -0.000 min
 Lab File: VD076199.D
 Acq: 23 May 2023 18:00

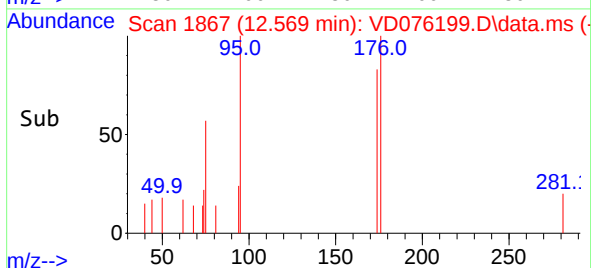
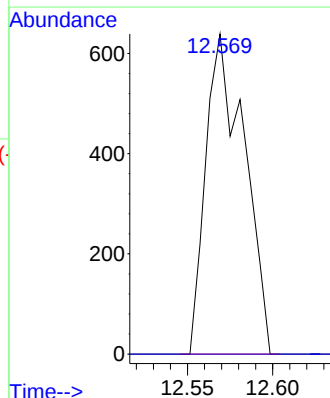
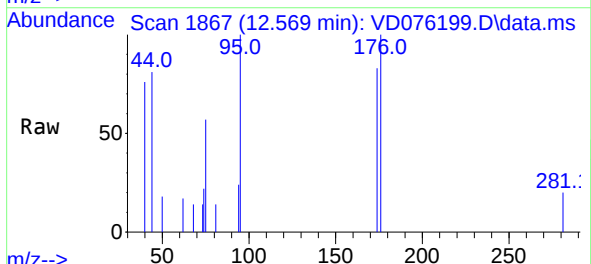
Instrument :
 MSVOA_D
 ClientSampleId :
 ETGI-359

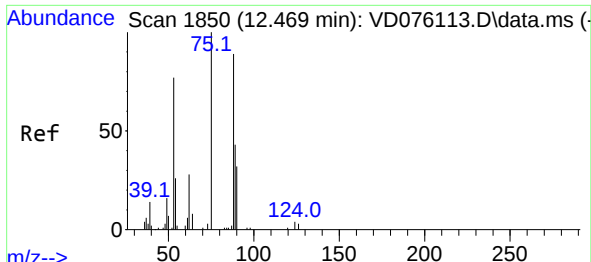
Tgt Ion:152 Resp: 1400
 Ion Ratio Lower Upper
 152 100
 115 57.3 30.1 90.3
 150 199.5 0.0 364.8



#76
 1,2,3-Trichloropropane
 Concen: 81.870 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. -0.159 min
 Lab File: VD076199.D
 Acq: 23 May 2023 18:00

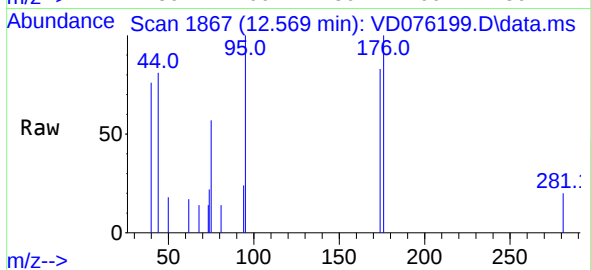
Tgt Ion: 75 Resp: 1003
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 171.749 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. 0.094 min
 Lab File: VD076199.D
 Acq: 23 May 2023 18:00

Instrument :
 MSVOA_D
 ClientSampleId :
 ETGI-359



Tgt Ion:	75	Resp:	1003
Ion	Ratio	Lower	Upper
75	100		
53	0.0	90.5	135.7#
89	0.0	40.2	60.4#

