

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052225\
 Data File : VX046323.D
 Acq On : 22 May 2025 12:46
 Operator : JC/MD
 Sample : Q2097-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ETGI-290

Quant Time: May 23 01:45:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

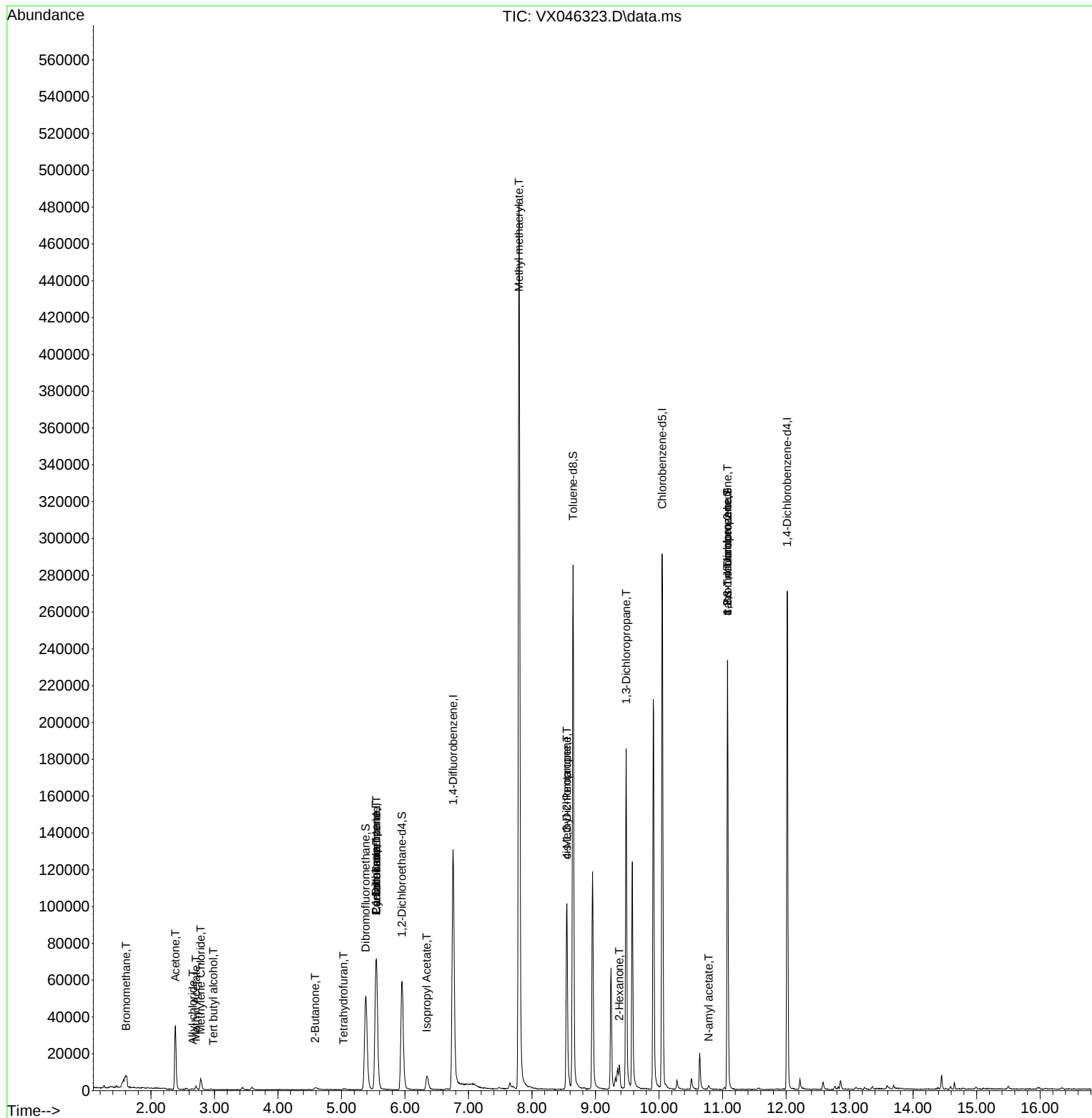
Internal Standards						
1) Pentafluorobenzene	5.550	168	61952	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	124160	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	117204	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49152	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62051	53.725	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.440%	
35) Dibromofluoromethane	5.379	113	45043	50.379	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.760%	
50) Toluene-d8	8.647	98	157547	50.911	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.820%	
62) 4-Bromofluorobenzene	11.079	95	60416	50.897	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.800%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	80	0.202	ug/l #	4
11) Tert butyl alcohol	2.983	59	111	0.685	ug/l #	72
14) Allyl chloride	2.660	41	367	0.261	ug/l #	59
16) Acetone	2.386	43	38201	82.491	ug/l	99
18) Methyl Acetate	2.709	43	2316	2.155	ug/l	94
20) Methylene Chloride	2.782	84	2388	2.691	ug/l	93
25) 2-Butanone	4.587	43	2880	4.284	ug/l #	90
29) Tetrahydrofuran	5.032	42	394	0.935	ug/l #	40
31) Cyclohexane	5.550	56	1856	1.348	ug/l #	40
36) 1,1-Dichloropropene	5.544	75	5927	4.934	ug/l #	51
38) Carbon Tetrachloride	5.550	117	7114	5.271	ug/l #	17
43) Isopropyl Acetate	6.342	43	11422	5.045	ug/l	97
48) Methyl methacrylate	7.793	41	46757	40.435	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	39983	26.603	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	15423	11.551	ug/l #	63
57) 1,3-Dichloropropane	9.482	76	1491	0.976	ug/l #	42
59) 2-Hexanone	9.372	43	12425	11.174	ug/l #	28
74) N-amyl acetate	10.781	43	1362	0.720	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	34300	28.991	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	34300	94.387	ug/l #	1

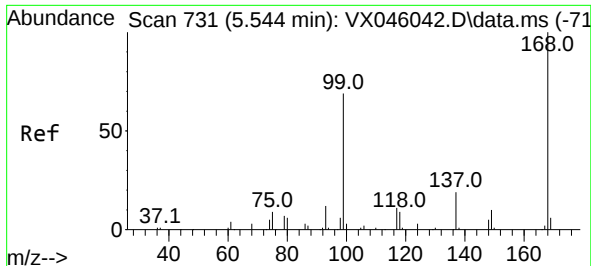
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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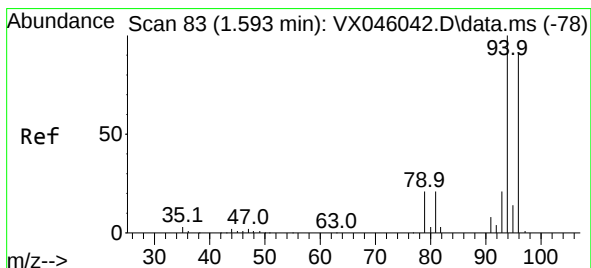
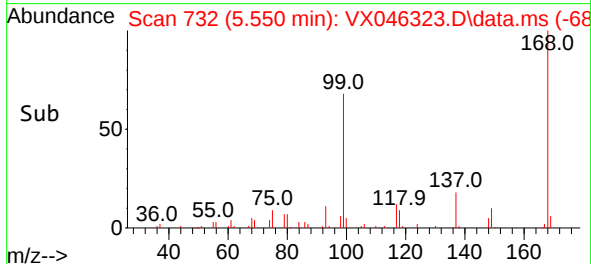
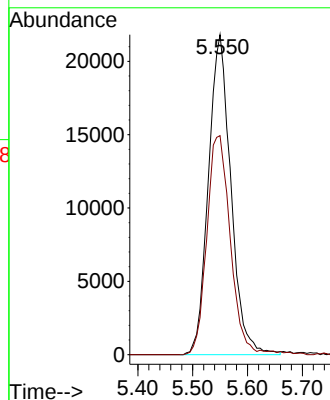
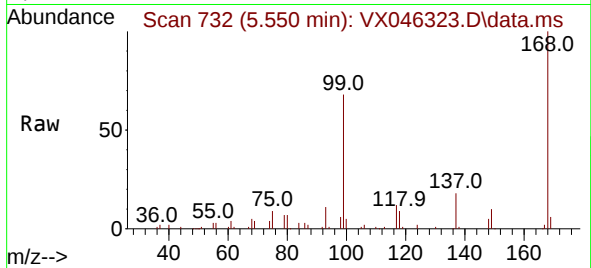




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046323.D
Acq: 22 May 2025 12:46

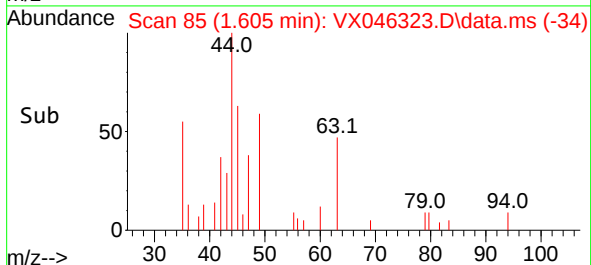
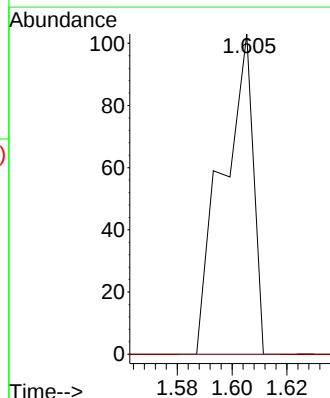
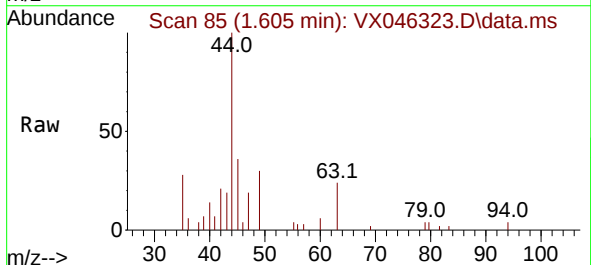
Instrument :
MSVOA_X
ClientSampleId :
ETGI-290

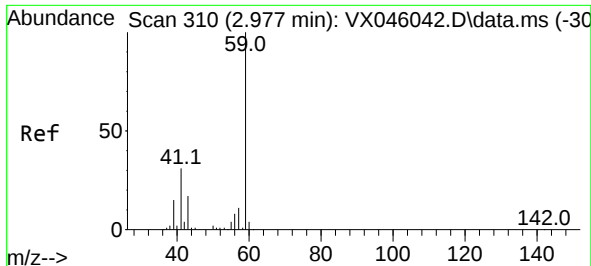
Tgt Ion:168 Resp: 61952
Ion Ratio Lower Upper
168 100
99 68.5 54.9 82.3



#5
Bromomethane
Concen: 0.202 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.012 min
Lab File: VX046323.D
Acq: 22 May 2025 12:46

Tgt Ion: 94 Resp: 80
Ion Ratio Lower Upper
94 100
96 0.0 72.8 109.2#





#11

Tert butyl alcohol

Concen: 0.685 ug/l

RT: 2.983 min Scan# 311

Delta R.T. 0.006 min

Lab File: VX046323.D

Acq: 22 May 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

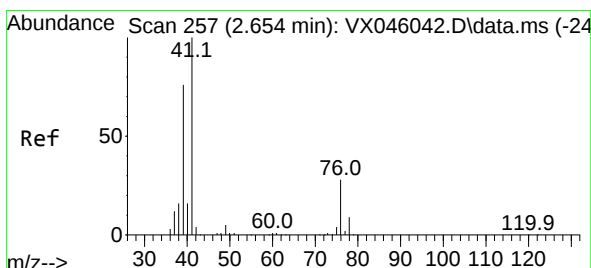
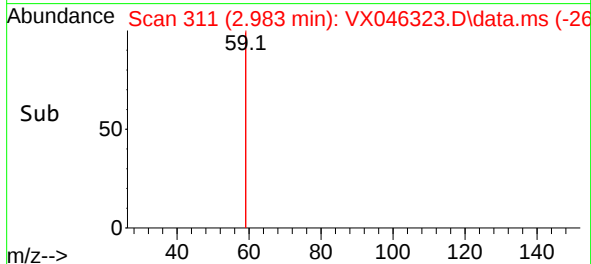
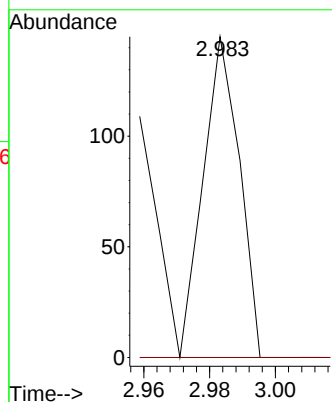
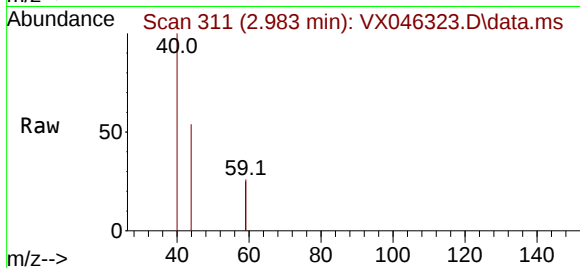
ETGI-290

Tgt Ion: 59 Resp: 111

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#14

Allyl chloride

Concen: 0.261 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.006 min

Lab File: VX046323.D

Acq: 22 May 2025 12:46

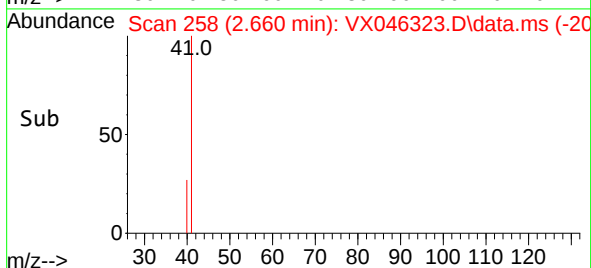
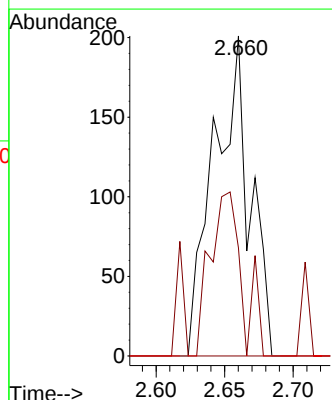
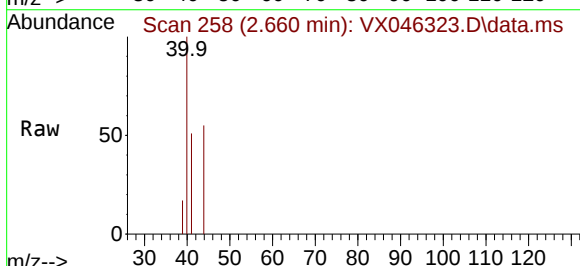
Tgt Ion: 41 Resp: 367

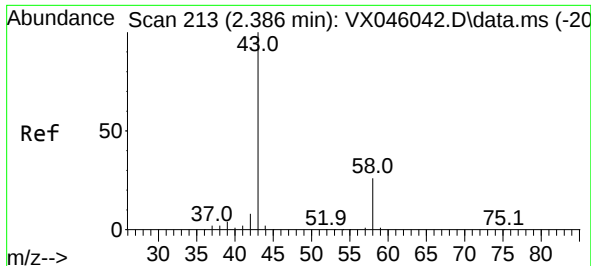
Ion Ratio Lower Upper

41 100

39 45.8 60.6 90.8#

76 0.0 24.9 37.3#

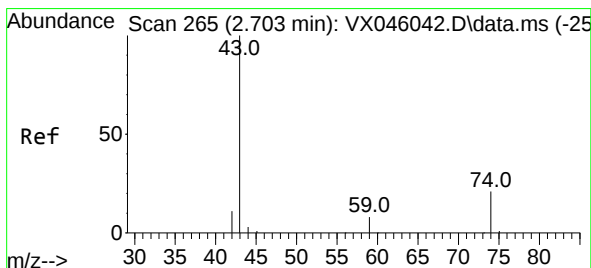
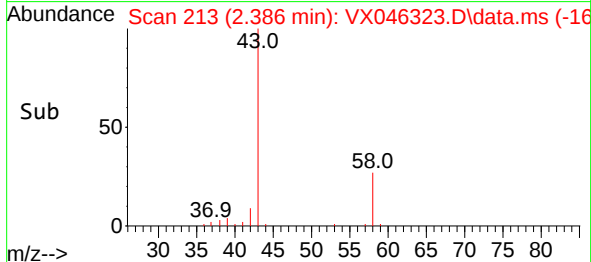
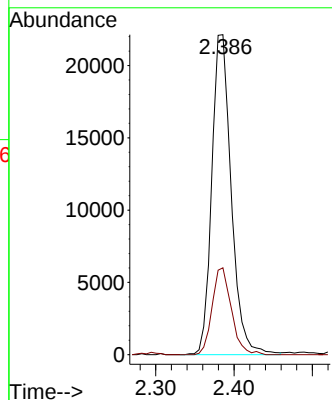
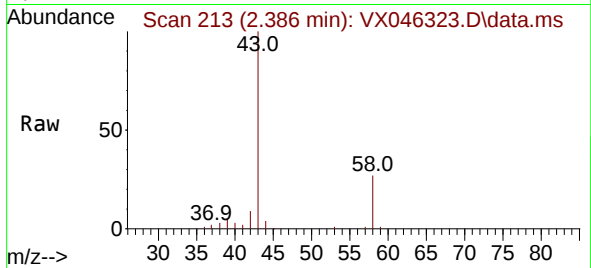




#16
Acetone
Concen: 82.491 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046323.D
Acq: 22 May 2025 12:46

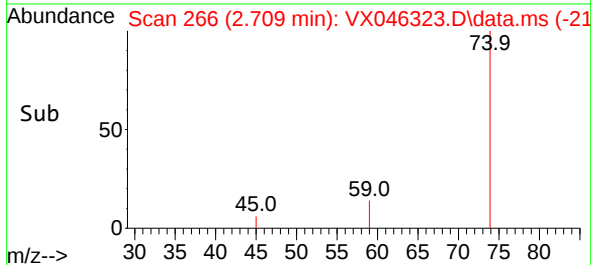
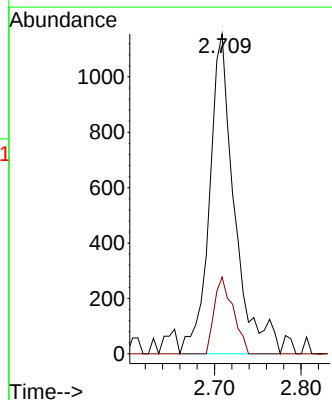
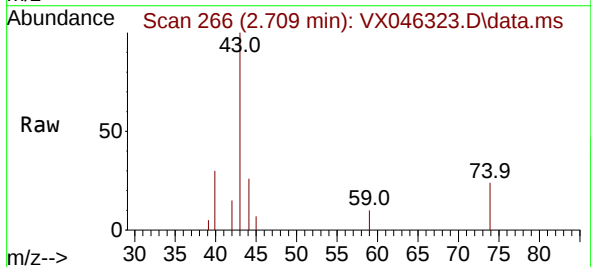
Instrument :
MSVOA_X
ClientSampleId :
ETGI-290

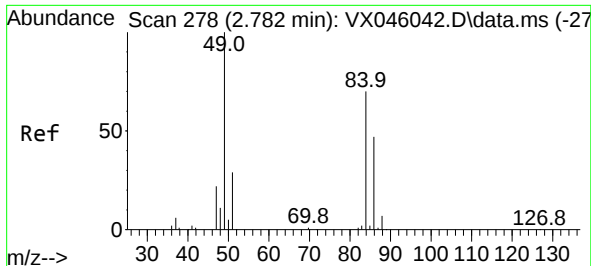
Tgt Ion: 43 Resp: 38201
Ion Ratio Lower Upper
43 100
58 27.2 21.2 31.8



#18
Methyl Acetate
Concen: 2.155 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046323.D
Acq: 22 May 2025 12:46

Tgt Ion: 43 Resp: 2316
Ion Ratio Lower Upper
43 100
74 18.0 16.7 25.1

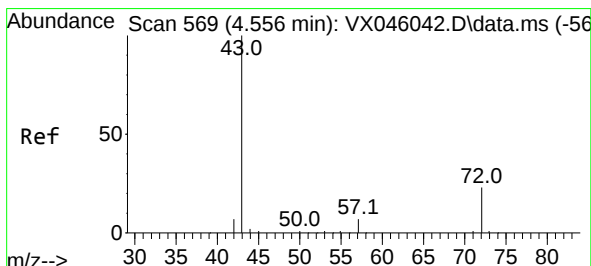
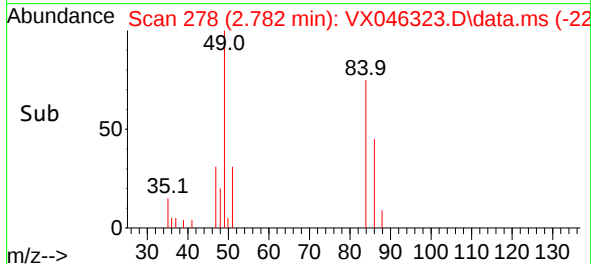
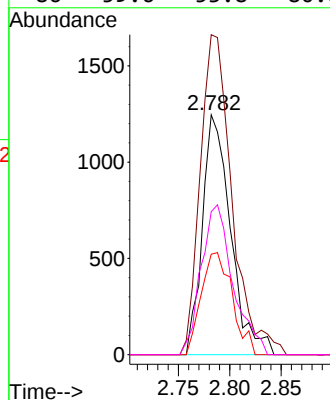
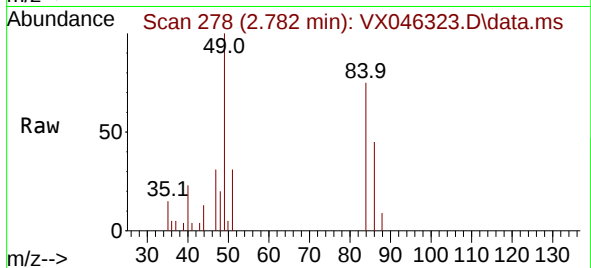




#20
Methylene Chloride
Concen: 2.691 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046323.D
Acq: 22 May 2025 12:46

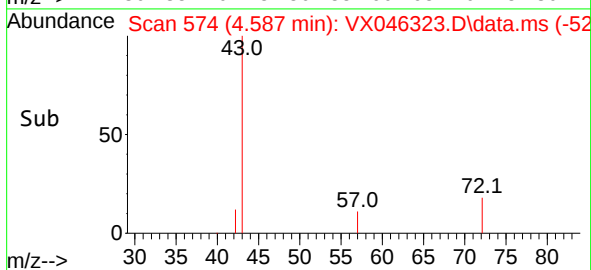
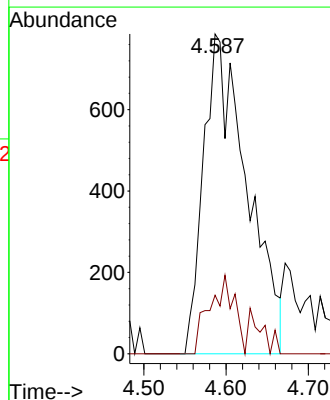
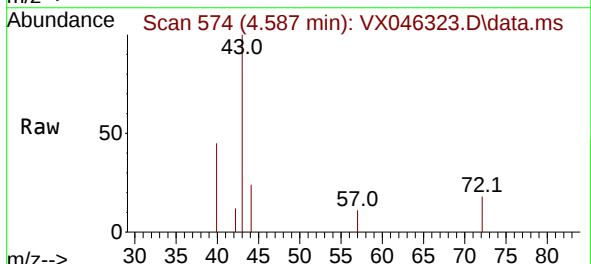
Instrument :
MSVOA_X
ClientSampleId :
ETGI-290

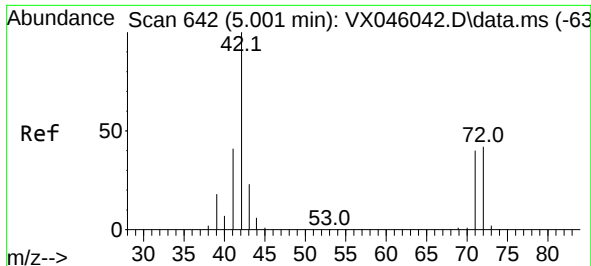
Tgt Ion:	84	Resp:	2388
Ion	Ratio	Lower	Upper
84	100		
49	133.4	113.9	170.9
51	41.9	33.5	50.3
86	59.6	53.8	80.8



#25
2-Butanone
Concen: 4.284 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.030 min
Lab File: VX046323.D
Acq: 22 May 2025 12:46

Tgt Ion:	43	Resp:	2880
Ion	Ratio	Lower	Upper
43	100		
72	18.3	18.4	27.6#





#29

Tetrahydrofuran

Concen: 0.935 ug/l

RT: 5.032 min Scan# 642

Delta R.T. 0.030 min

Lab File: VX046323.D

Acq: 22 May 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

ETGI-290

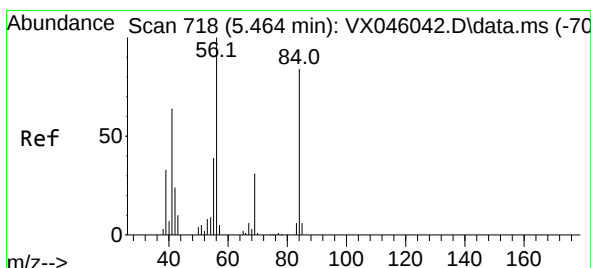
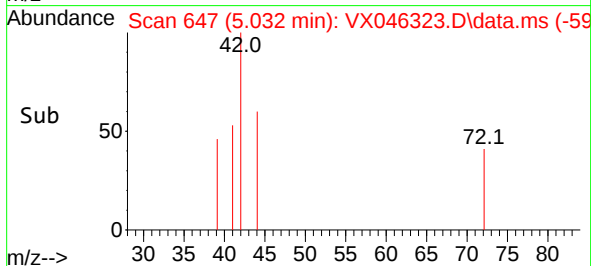
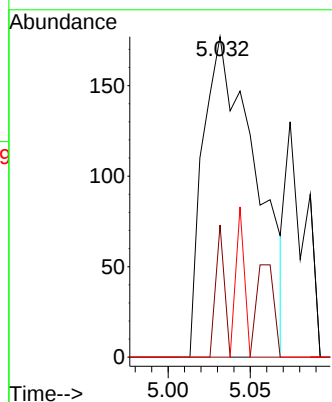
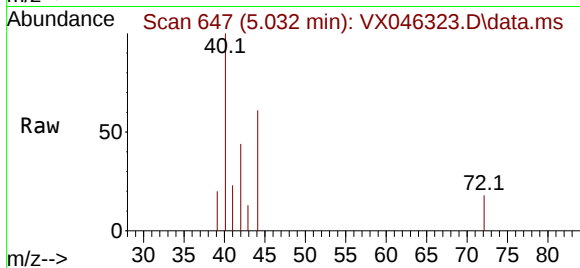
Tgt Ion: 42 Resp: 394

Ion Ratio Lower Upper

42 100

72 6.9 33.7 50.5#

71 0.0 31.4 47.2#



#31

Cyclohexane

Concen: 1.348 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX046323.D

Acq: 22 May 2025 12:46

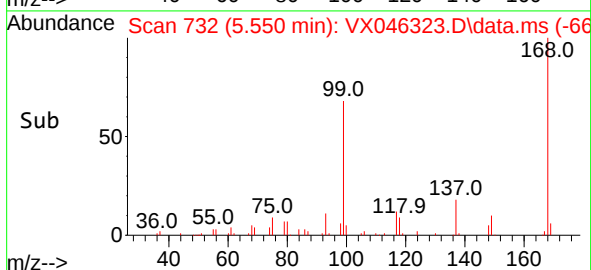
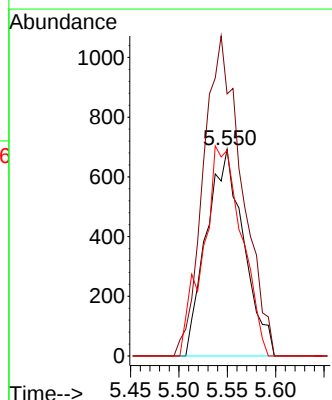
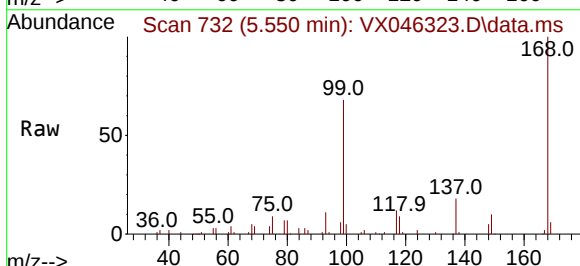
Tgt Ion: 56 Resp: 1856

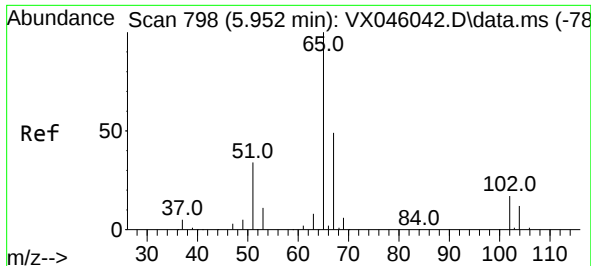
Ion Ratio Lower Upper

56 100

69 126.9 24.4 36.6#

84 99.6 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 53.725 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046323.D

Acq: 22 May 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

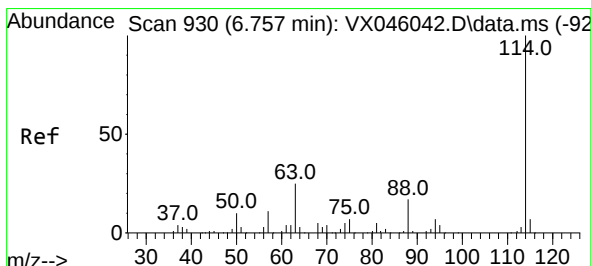
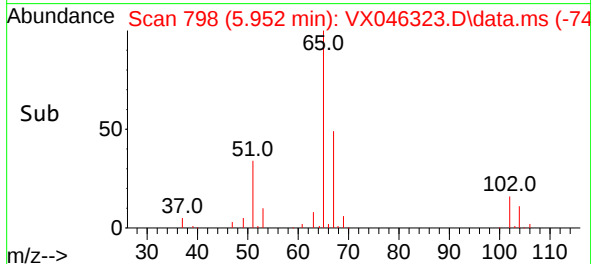
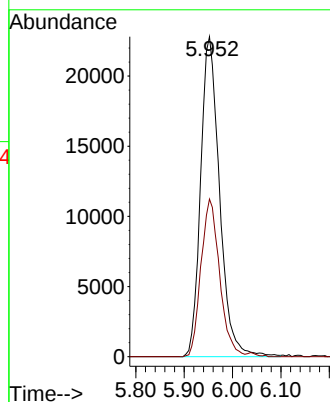
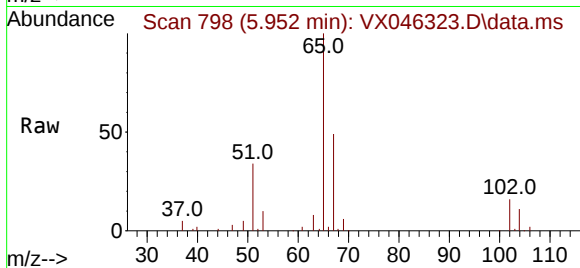
ETGI-290

Tgt Ion: 65 Resp: 62051

Ion Ratio Lower Upper

65 100

67 48.4 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX046323.D

Acq: 22 May 2025 12:46

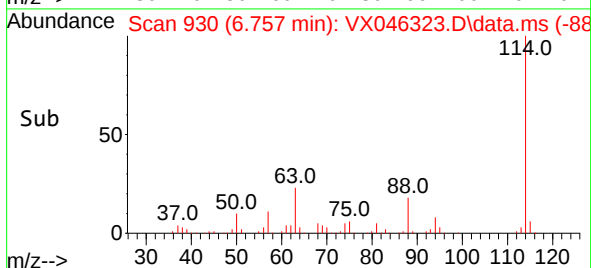
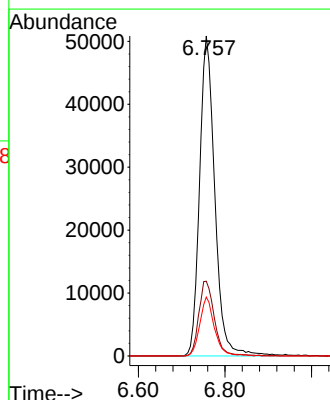
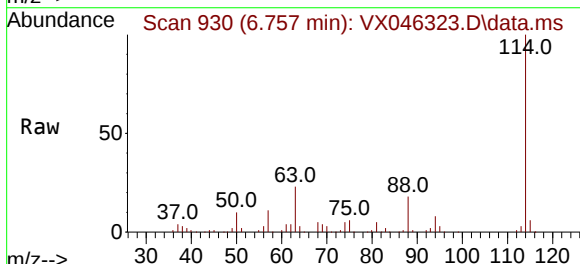
Tgt Ion: 114 Resp: 124160

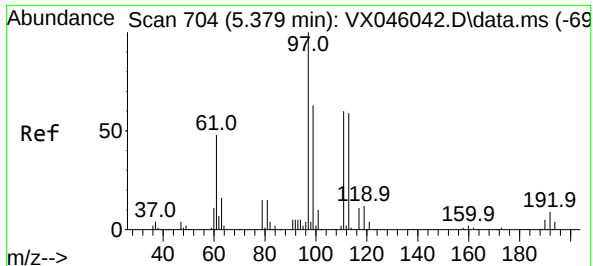
Ion Ratio Lower Upper

114 100

63 23.4 0.0 49.2

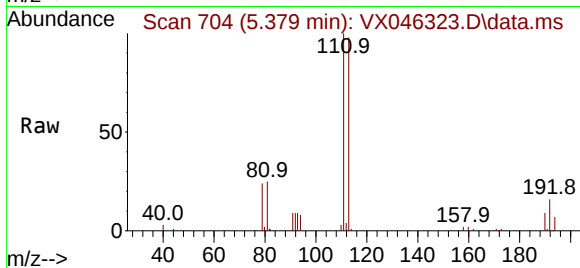
88 18.4 0.0 33.6



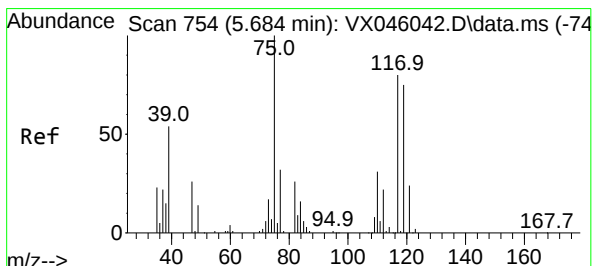
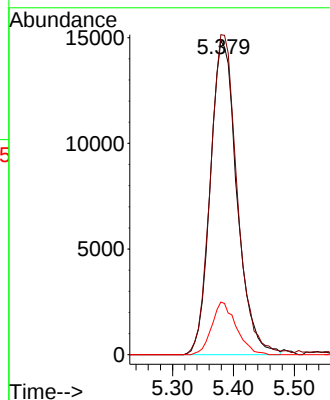
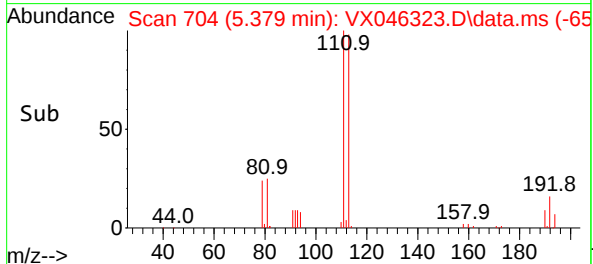


#35
Dibromofluoromethane
Concen: 50.379 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046323.D
Acq: 22 May 2025 12:46

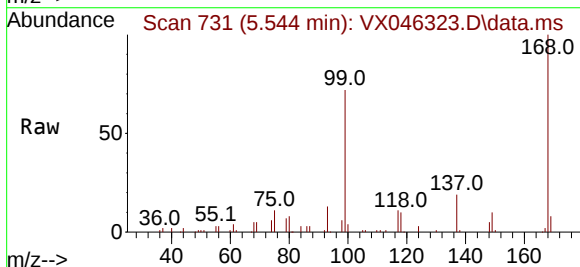
Instrument :
MSVOA_X
ClientSampleId :
ETGI-290



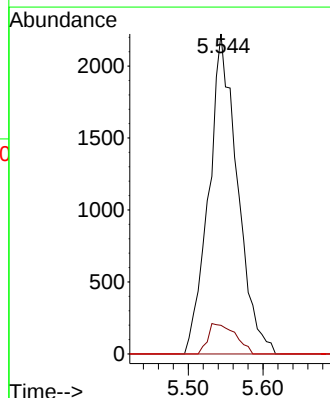
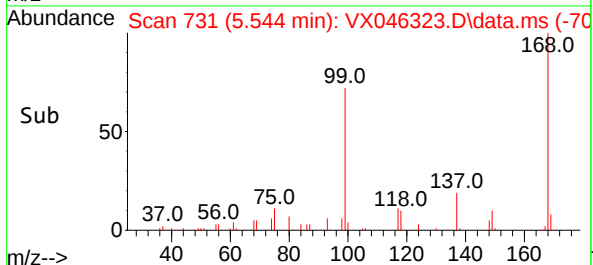
Tgt Ion:113 Resp: 45043
Ion Ratio Lower Upper
113 100
111 102.9 83.1 124.7
192 15.4 13.3 19.9

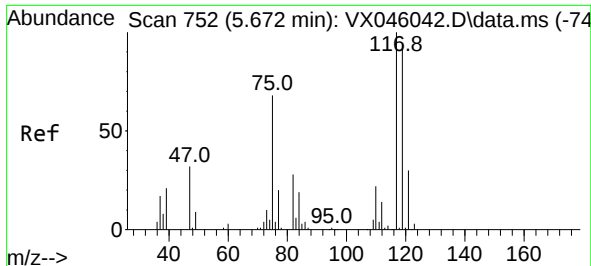


#36
1,1-Dichloropropene
Concen: 4.934 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX046323.D
Acq: 22 May 2025 12:46



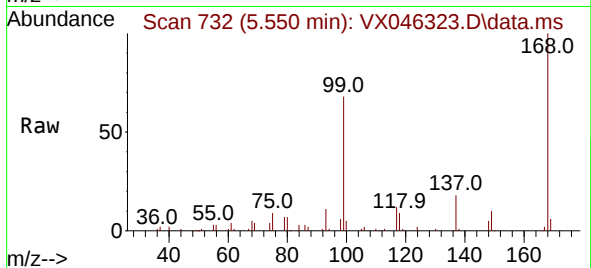
Tgt Ion: 75 Resp: 5927
Ion Ratio Lower Upper
75 100
110 9.0 16.3 48.9#
77 0.0 24.3 36.5#



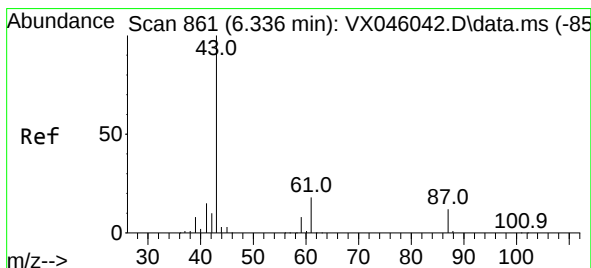
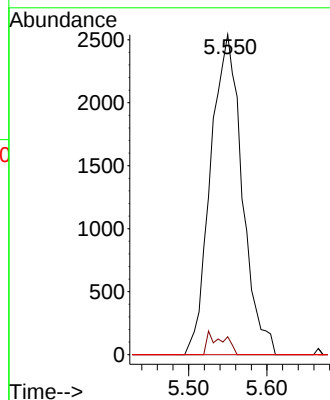
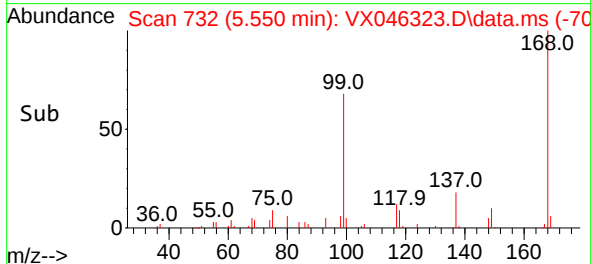


#38
Carbon Tetrachloride
Concen: 5.271 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX046323.D
Acq: 22 May 2025 12:46

Instrument :
MSVOA_X
ClientSampleId :
ETGI-290

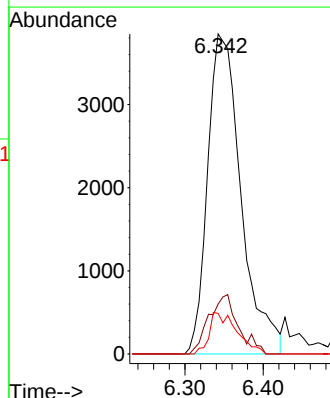
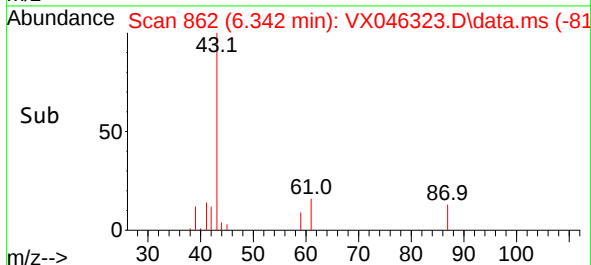
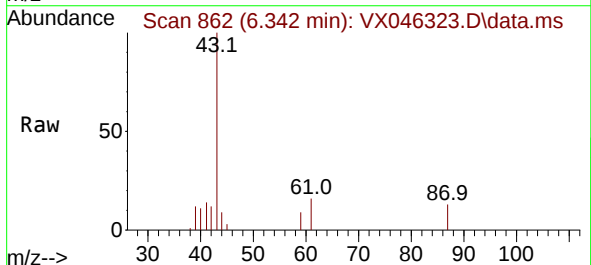


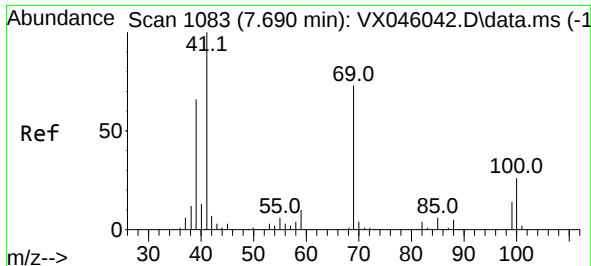
Tgt Ion:117 Resp: 7114
Ion Ratio Lower Upper
117 100
119 5.6 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 5.045 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX046323.D
Acq: 22 May 2025 12:46

Tgt Ion: 43 Resp: 11422
Ion Ratio Lower Upper
43 100
61 16.4 14.3 21.5
87 10.7 9.5 14.3

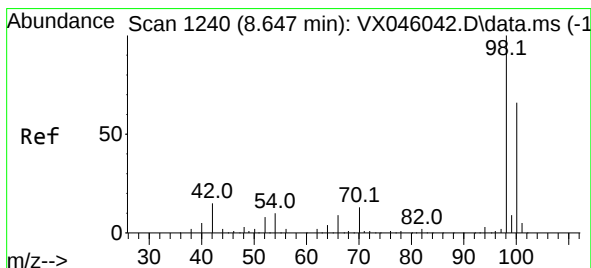
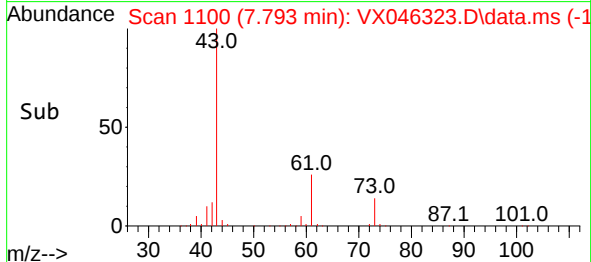
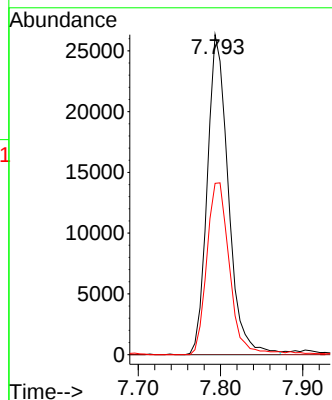
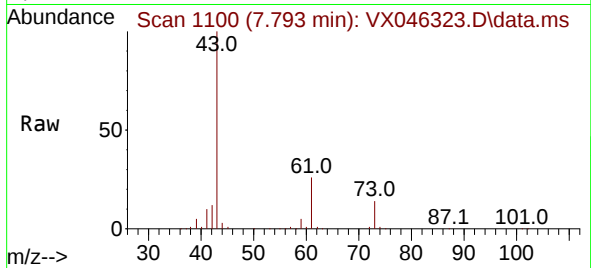




#48
Methyl methacrylate
Concen: 40.435 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046323.D
Acq: 22 May 2025 12:46

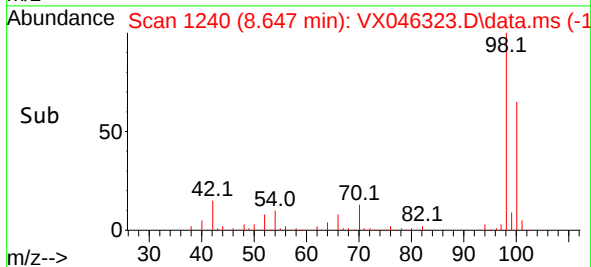
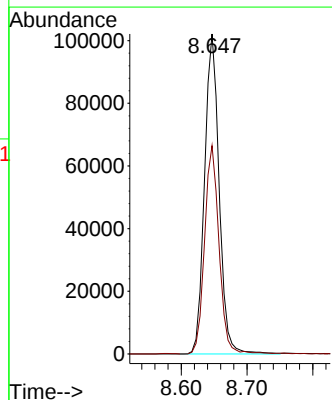
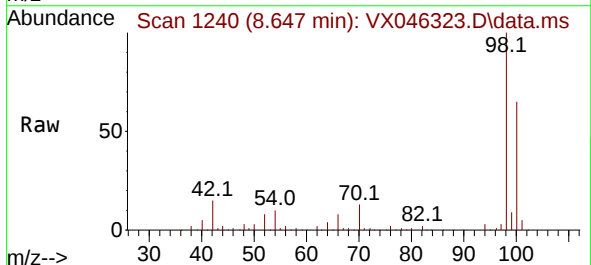
Instrument :
MSVOA_X
ClientSampleId :
ETGI-290

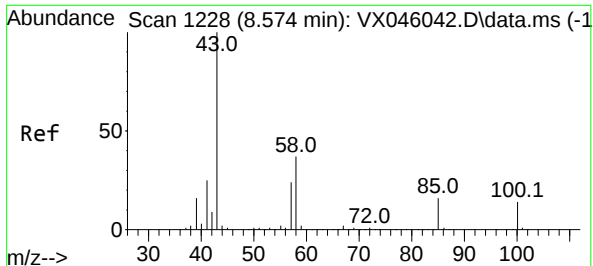
Tgt Ion: 41 Resp: 46757
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 58.6 51.7 77.5



#50
Toluene-d8
Concen: 50.911 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046323.D
Acq: 22 May 2025 12:46

Tgt Ion: 98 Resp: 157547
Ion Ratio Lower Upper
98 100
100 64.6 53.5 80.3

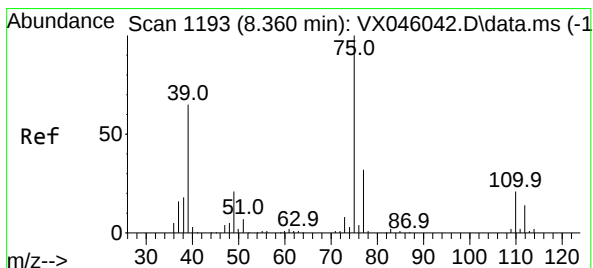
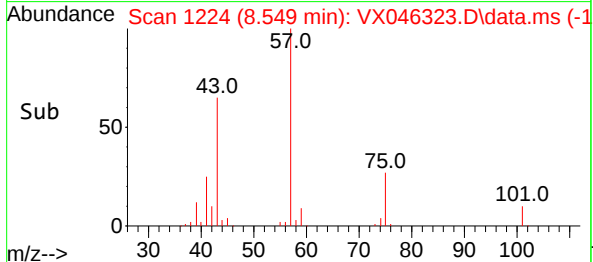
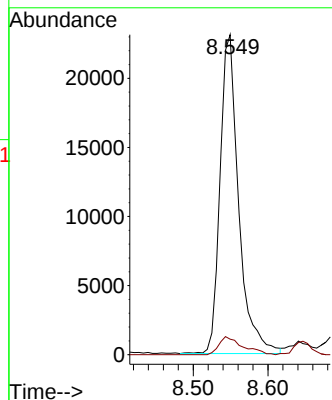
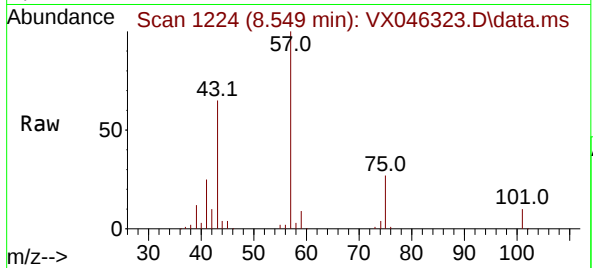




#51
4-Methyl-2-Pentanone
Concen: 26.603 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX046323.D
Acq: 22 May 2025 12:46

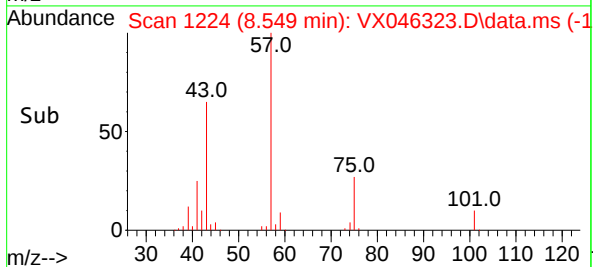
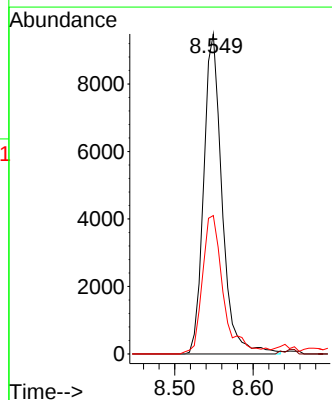
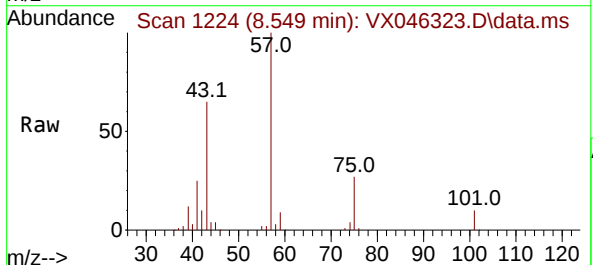
Instrument :
MSVOA_X
ClientSampleId :
ETGI-290

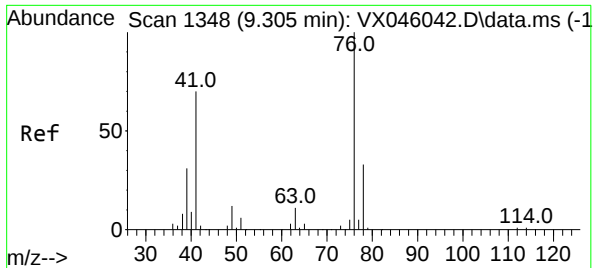
Tgt Ion: 43 Resp: 39983
Ion Ratio Lower Upper
43 100
58 7.2 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 11.551 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.189 min
Lab File: VX046323.D
Acq: 22 May 2025 12:46

Tgt Ion: 75 Resp: 15423
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 43.3 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 0.976 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX046323.D

Acq: 22 May 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

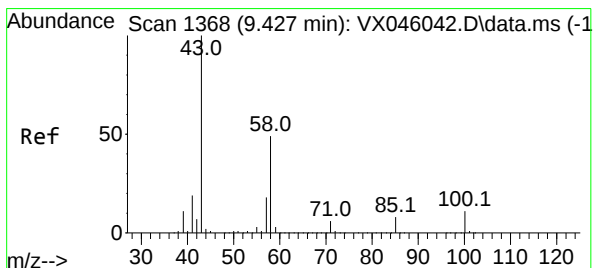
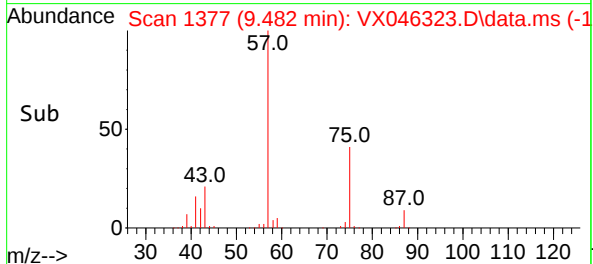
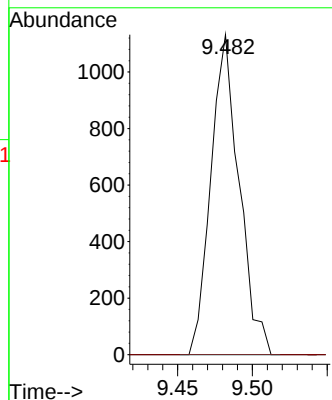
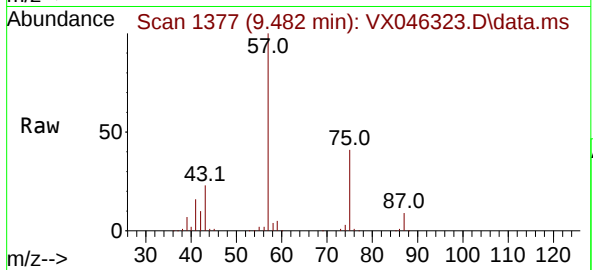
ETGI-290

Tgt Ion: 76 Resp: 1491

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 11.174 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX046323.D

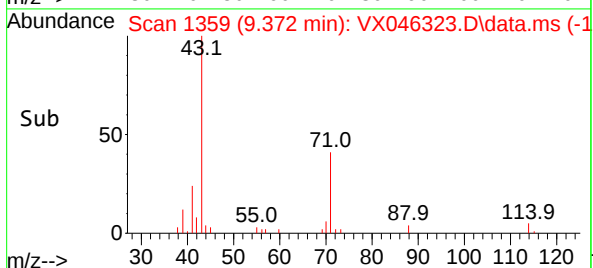
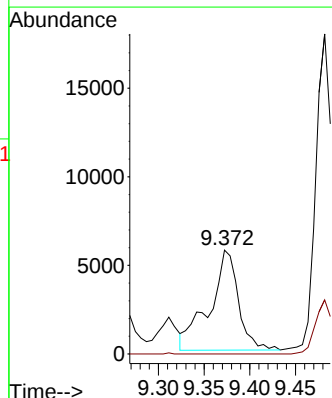
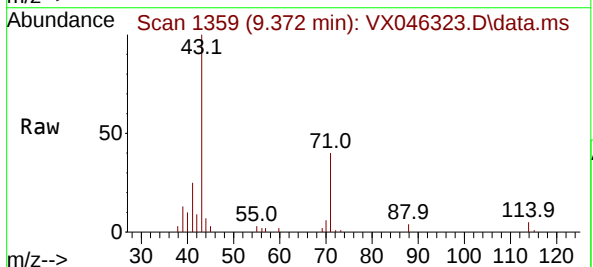
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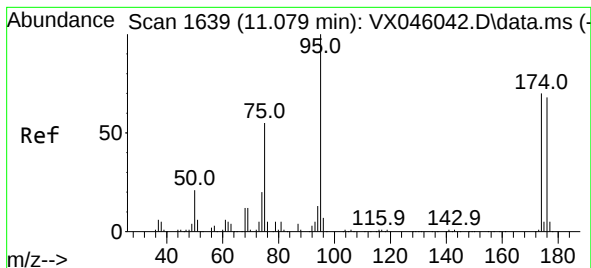
Tgt Ion: 43 Resp: 12425

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

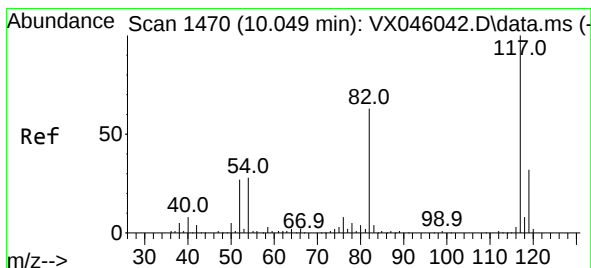
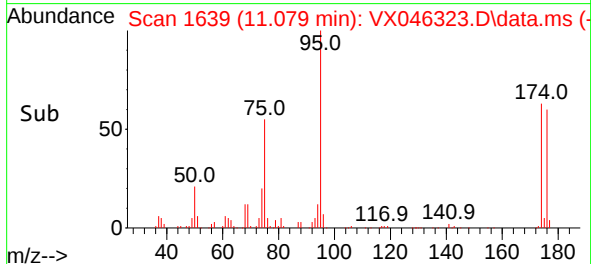
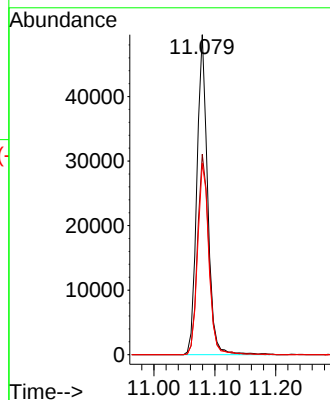
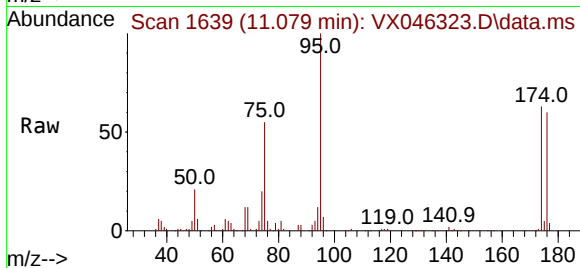




#62
4-Bromofluorobenzene
Concen: 50.897 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046323.D
Acq: 22 May 2025 12:46

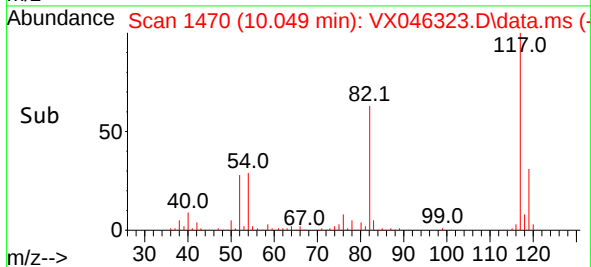
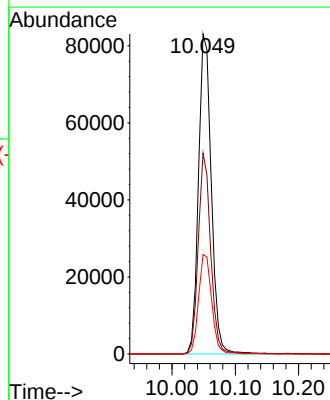
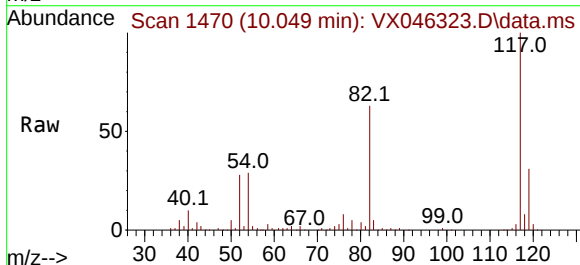
Instrument :
MSVOA_X
ClientSampleId :
ETGI-290

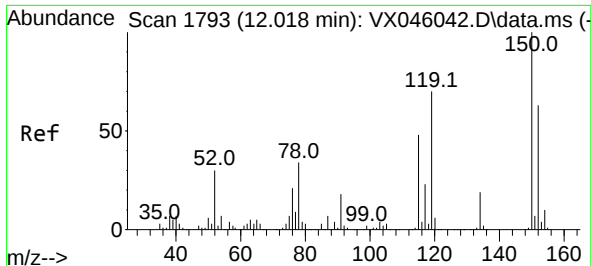
Tgt Ion: 95 Resp: 60416
Ion Ratio Lower Upper
95 100
174 66.4 0.0 135.8
176 62.7 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046323.D
Acq: 22 May 2025 12:46

Tgt Ion: 117 Resp: 117204
Ion Ratio Lower Upper
117 100
82 62.8 50.6 76.0
119 31.1 25.8 38.6

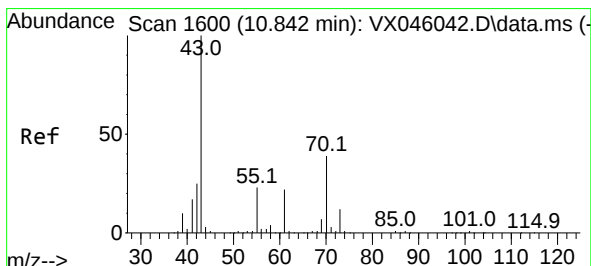
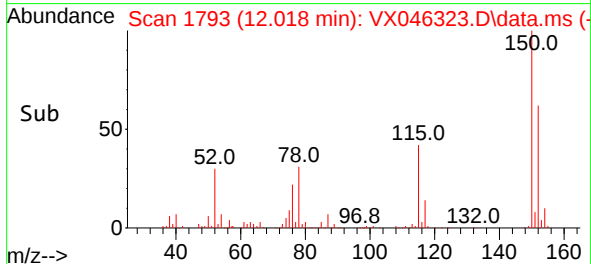
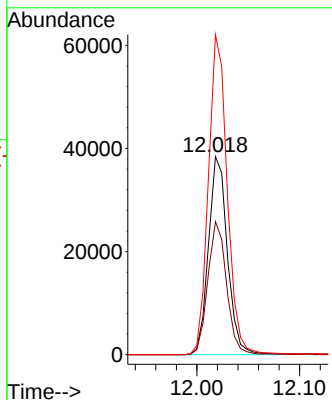
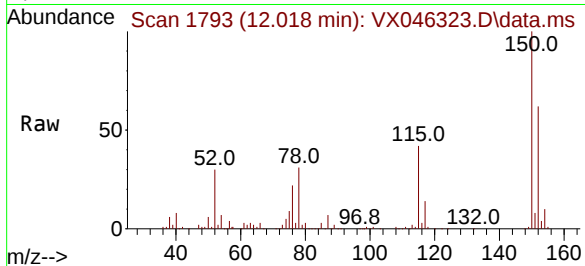




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046323.D
Acq: 22 May 2025 12:46

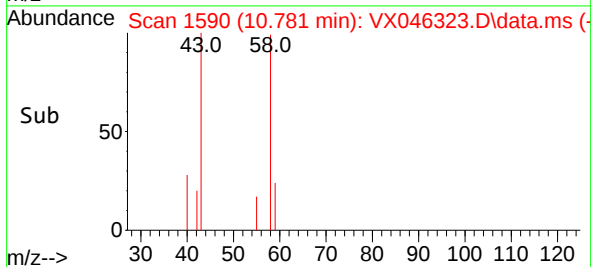
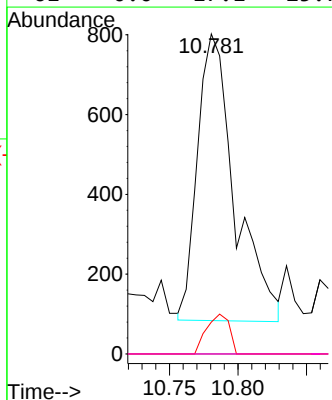
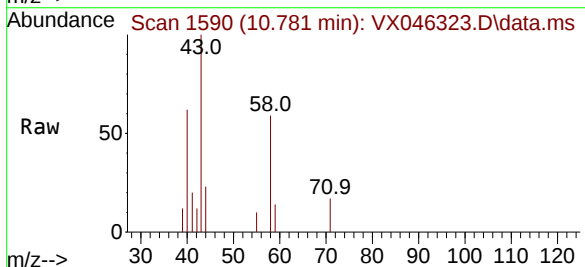
Instrument :
MSVOA_X
ClientSampleId :
ETGI-290

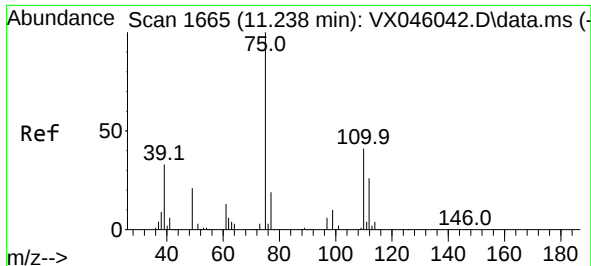
Tgt Ion:152 Resp: 49152
Ion Ratio Lower Upper
152 100
115 66.9 46.9 140.7
150 161.0 0.0 351.0



#74
N-ethyl acetate
Concen: 0.720 ug/l
RT: 10.781 min Scan# 1590
Delta R.T. -0.061 min
Lab File: VX046323.D
Acq: 22 May 2025 12:46

Tgt Ion: 43 Resp: 1362
Ion Ratio Lower Upper
43 100
70 0.0 30.9 46.3#
55 8.4 18.7 28.1#
61 0.0 17.1 25.7#

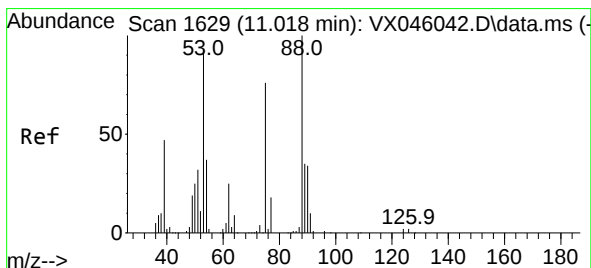
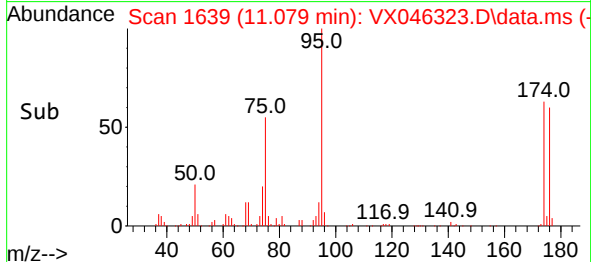
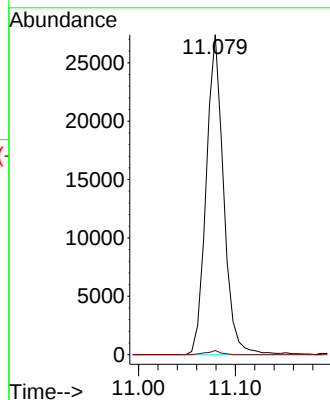
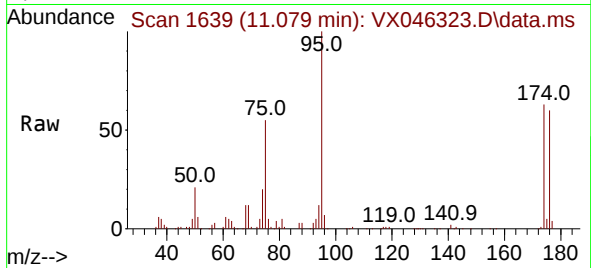




#76
1,2,3-Trichloropropane
Concen: 28.991 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046323.D
Acq: 22 May 2025 12:46

Instrument :
MSVOA_X
ClientSampleId :
ETGI-290

Tgt Ion: 75 Resp: 34300
Ion Ratio Lower Upper
75 100
77 1.0 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.387 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046323.D
Acq: 22 May 2025 12:46

Tgt Ion: 75 Resp: 34300
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

