

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061325\
 Data File : VX046700.D
 Acq On : 13 Jun 2025 19:12
 Operator : JC/MD
 Sample : Q2288-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ETGI-329

Quant Time: Jun 13 23:35:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

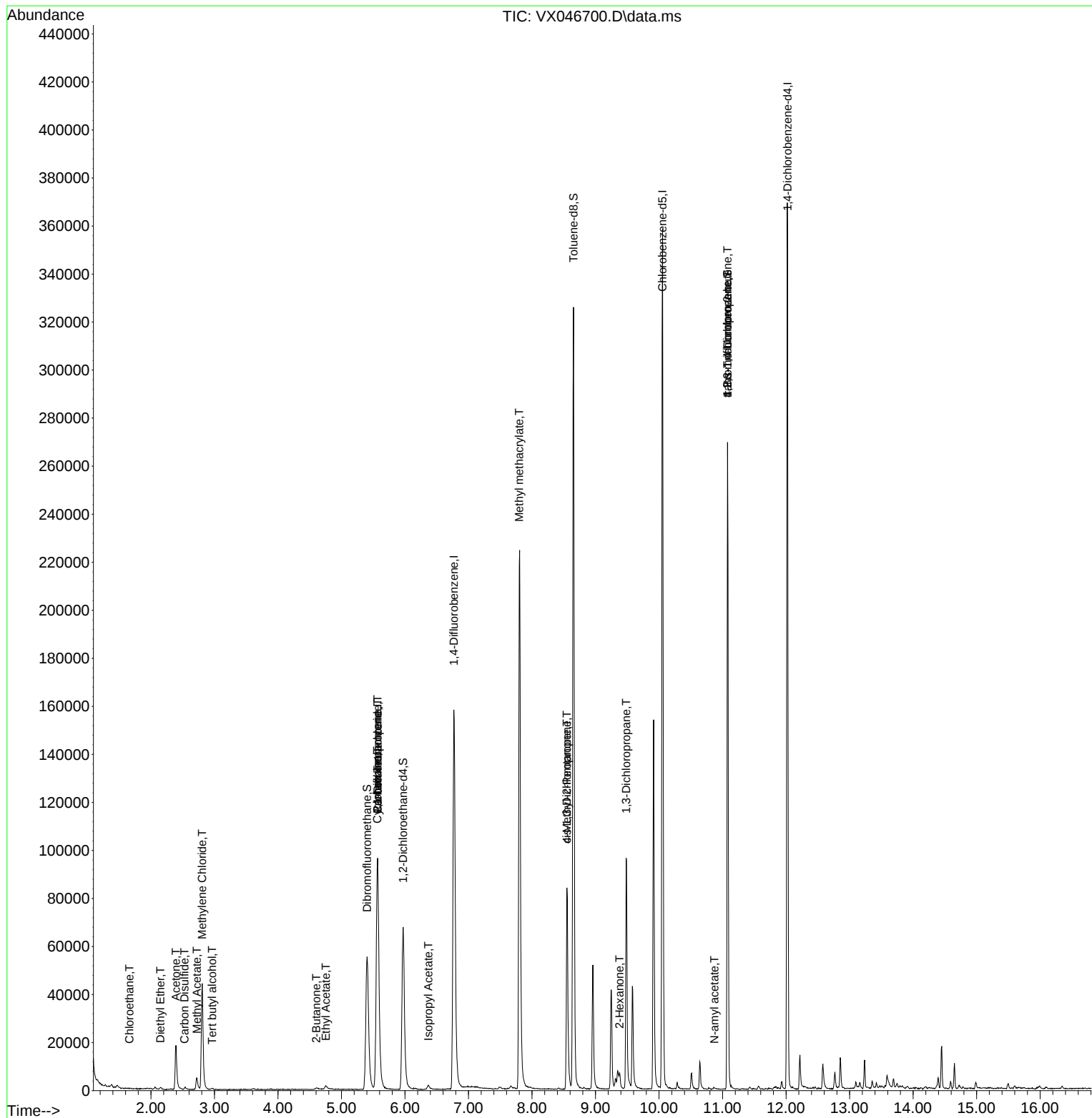
Internal Standards						
1) Pentafluorobenzene	5.568	168	93014	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	166226	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	153079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	73348	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	70322	42.495	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.000%
35) Dibromofluoromethane	5.403	113	52792	43.186	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	86.380%
50) Toluene-d8	8.653	98	189175	46.940	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.880%
62) 4-Bromofluorobenzene	11.079	95	71518	42.890	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	85.780%
Target Compounds						
					Qvalue	
6) Chloroethane	1.660	64	166	0.218	ug/l #	44
8) Diethyl Ether	2.148	74	253	0.369	ug/l #	31
11) Tert butyl alcohol	2.965	59	252	1.372	ug/l #	72
16) Acetone	2.392	43	22974	39.299	ug/l	99
17) Carbon Disulfide	2.526	76	367	0.358	ug/l #	76
18) Methyl Acetate	2.721	43	6824	3.462	ug/l	97
20) Methylene Chloride	2.806	84	21335	16.070	ug/l	91
25) 2-Butanone	4.605	43	2204	2.393	ug/l #	69
31) Cyclohexane	5.562	56	2025	1.053	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	7916	4.533	ug/l #	48
37) Ethyl Acetate	4.751	43	2750	1.614	ug/l	95
38) Carbon Tetrachloride	5.568	117	10402	5.319	ug/l #	17
43) Isopropyl Acetate	6.367	43	2886	0.971	ug/l #	81
48) Methyl methacrylate	7.799	41	22791	14.909	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	33114	17.539	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	14013	7.162	ug/l #	56
57) 1,3-Dichloropropane	9.482	76	963	0.449	ug/l #	42
59) 2-Hexanone	9.378	43	6696	4.945	ug/l #	28
74) N-amyl acetate	10.872	43	553	0.218	ug/l #	76
76) 1,2,3-Trichloropropane	11.079	75	39473	25.407	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	39473	73.291	ug/l #	1

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

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Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

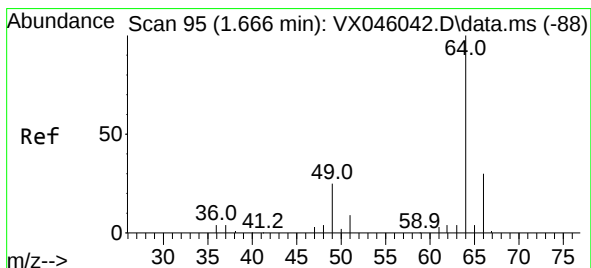
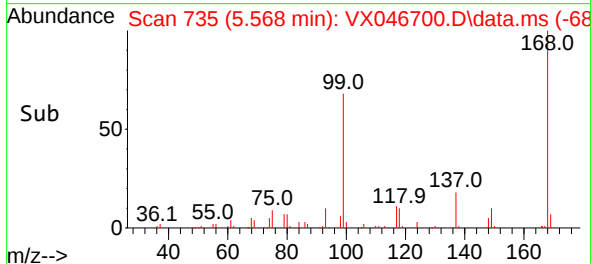
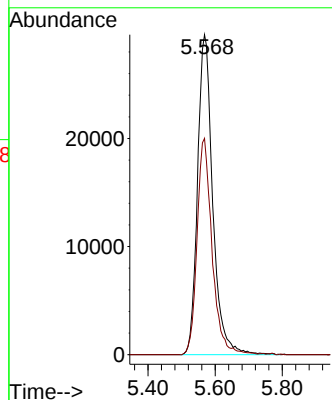
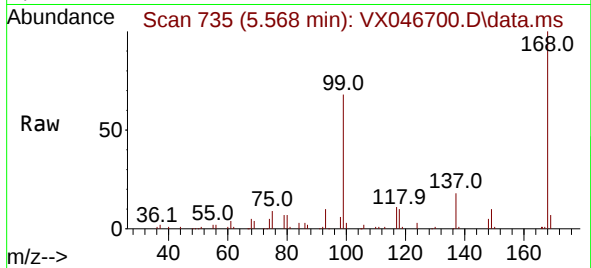




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046700.D
Acq: 13 Jun 2025 19:12

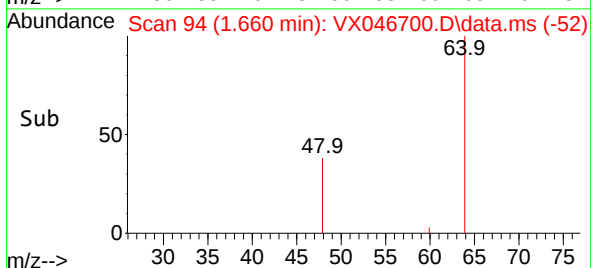
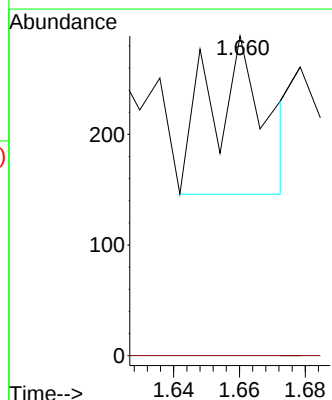
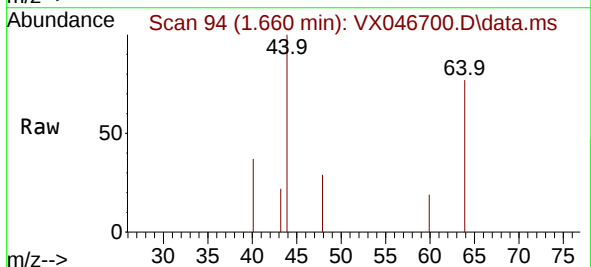
Instrument :
MSVOA_X
ClientSampleId :
ETGI-329

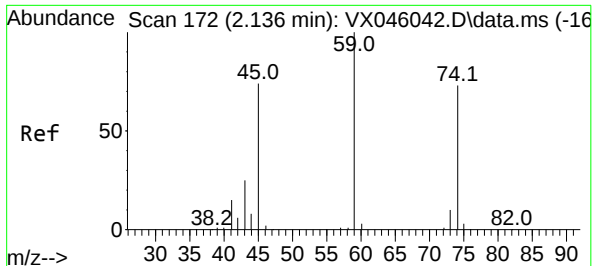
Tgt Ion:168 Resp: 93014
Ion Ratio Lower Upper
168 100
99 67.6 54.9 82.3



#6
Chloroethane
Concen: 0.218 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.043 min
Lab File: VX046700.D
Acq: 13 Jun 2025 19:12

Tgt Ion: 64 Resp: 166
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#

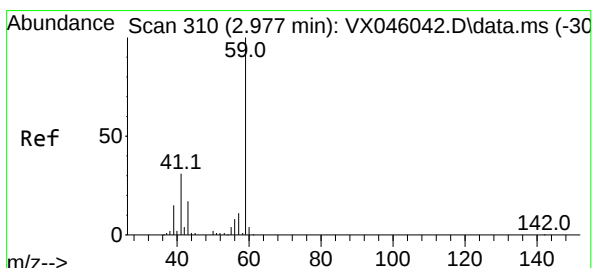
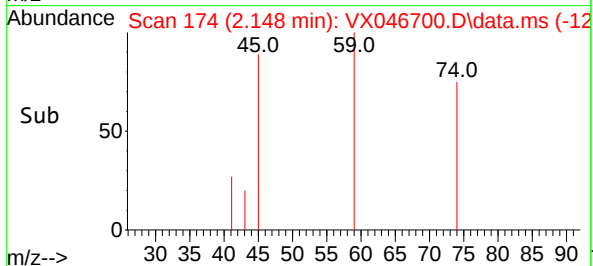
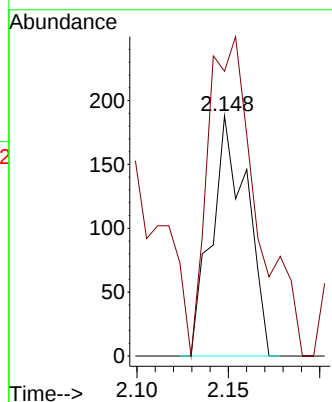
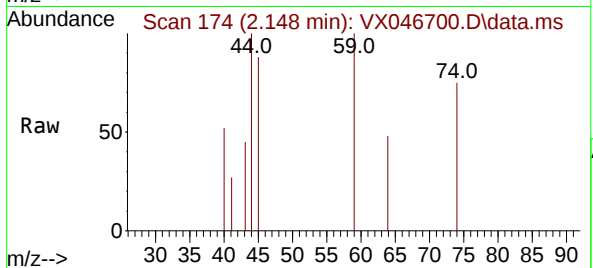




#8
Diethyl Ether
Concen: 0.369 ug/l
RT: 2.148 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX046700.D
Acq: 13 Jun 2025 19:12

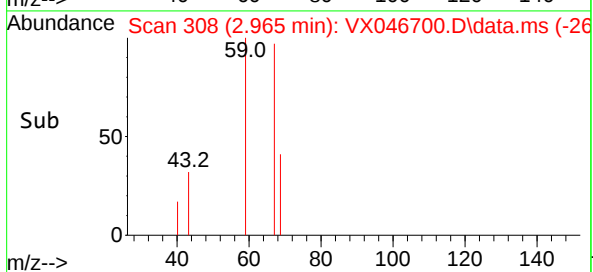
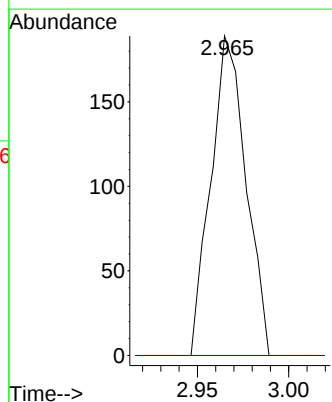
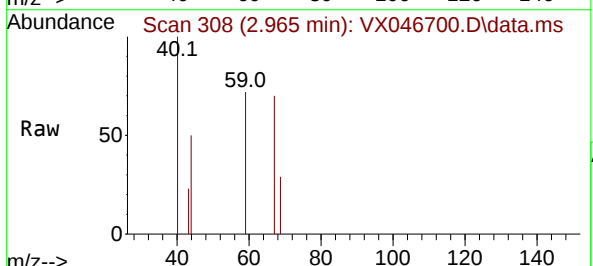
Instrument :
MSVOA_X
ClientSampleId :
ETGI-329

Tgt Ion: 74 Resp: 253
Ion Ratio Lower Upper
74 100
45 183.0 54.9 164.8#



#11
Tert butyl alcohol
Concen: 1.372 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.006 min
Lab File: VX046700.D
Acq: 13 Jun 2025 19:12

Tgt Ion: 59 Resp: 252
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#16

Acetone

Concen: 39.299 ug/l

RT: 2.392 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX046700.D

Acq: 13 Jun 2025 19:12

Instrument :

MSVOA_X

ClientSampleId :

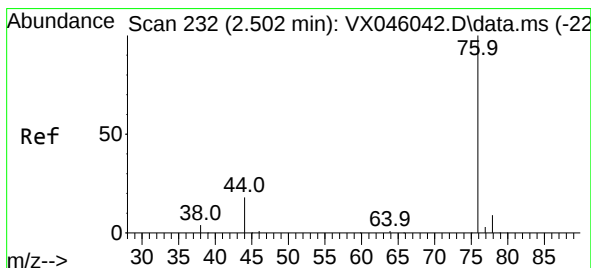
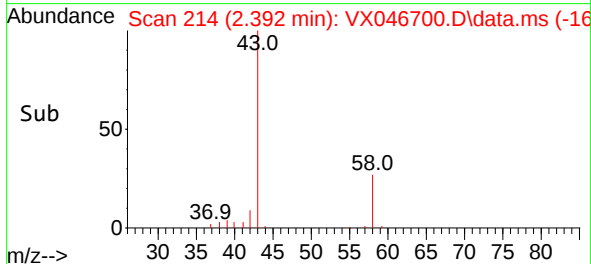
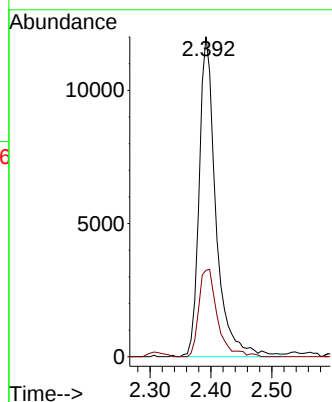
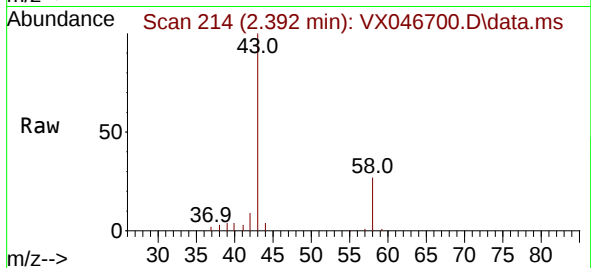
ETGI-329

Tgt Ion: 43 Resp: 22974

Ion Ratio Lower Upper

43 100

58 27.0 21.2 31.8



#17

Carbon Disulfide

Concen: 0.358 ug/l

RT: 2.526 min Scan# 236

Delta R.T. -0.006 min

Lab File: VX046700.D

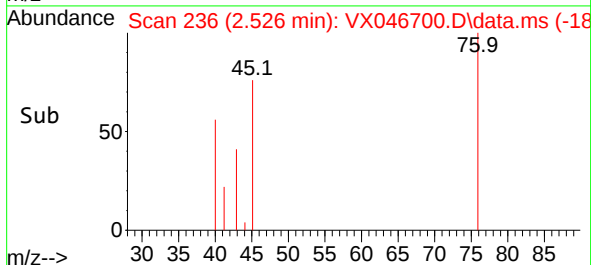
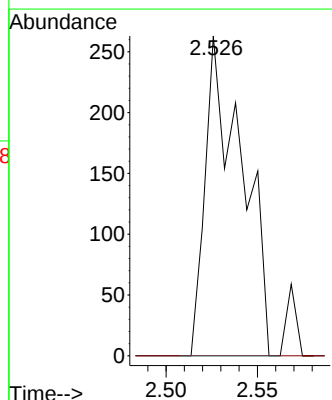
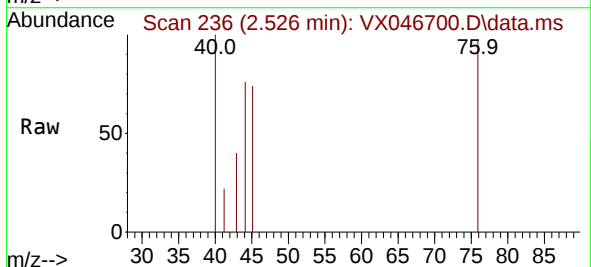
Acq: 13 Jun 2025 19:12

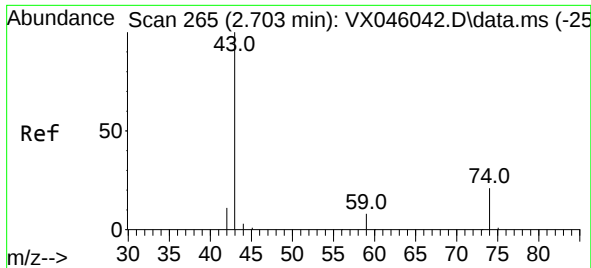
Tgt Ion: 76 Resp: 367

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#

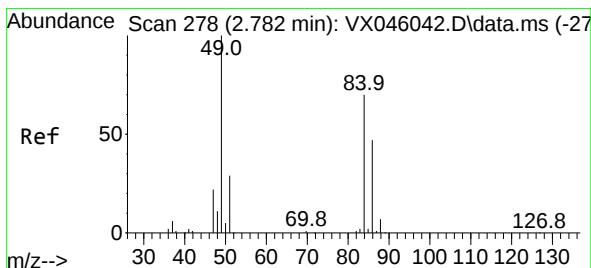
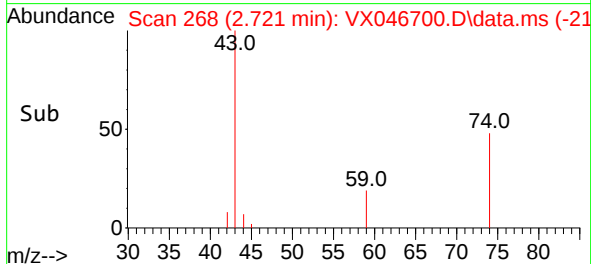
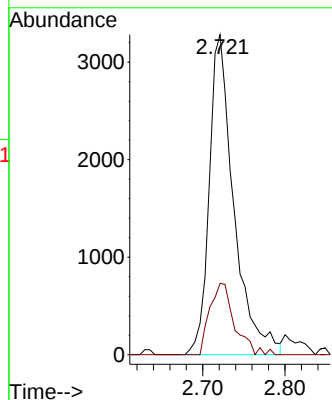
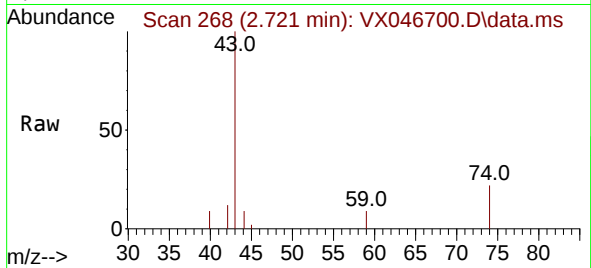




#18
Methyl Acetate
Concen: 3.462 ug/l
RT: 2.721 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX046700.D
Acq: 13 Jun 2025 19:12

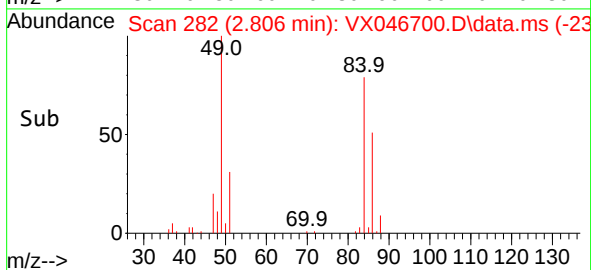
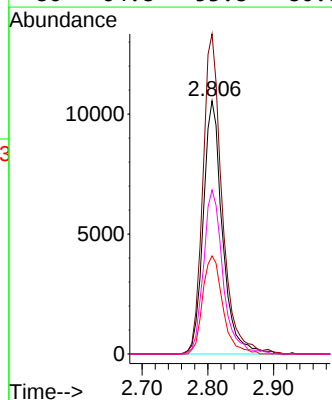
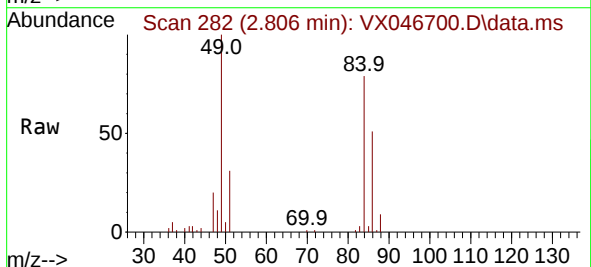
Instrument :
MSVOA_X
ClientSampleId :
ETGI-329

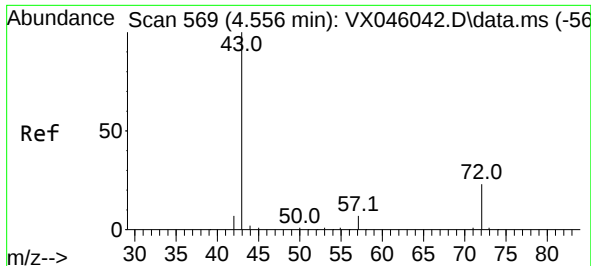
Tgt Ion: 43 Resp: 6824
Ion Ratio Lower Upper
43 100
74 22.5 16.7 25.1



#20
Methylene Chloride
Concen: 16.070 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX046700.D
Acq: 13 Jun 2025 19:12

Tgt Ion: 84 Resp: 21335
Ion Ratio Lower Upper
84 100
49 126.4 113.9 170.9
51 38.8 33.5 50.3
86 64.8 53.8 80.8

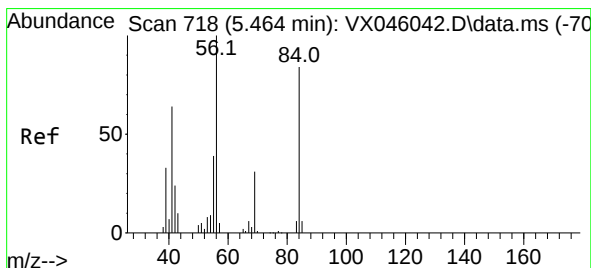
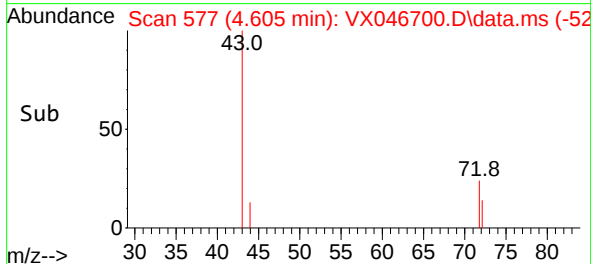
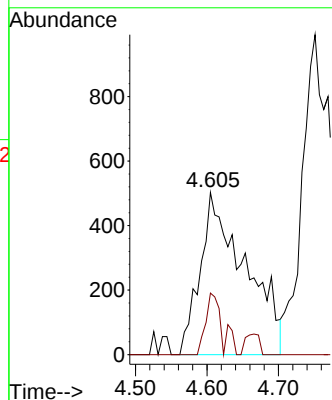
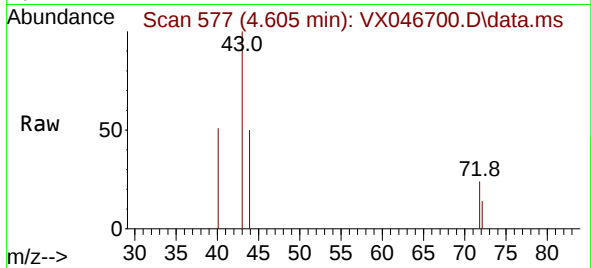




#25
2-Butanone
Concen: 2.393 ug/l
RT: 4.605 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX046700.D
Acq: 13 Jun 2025 19:12

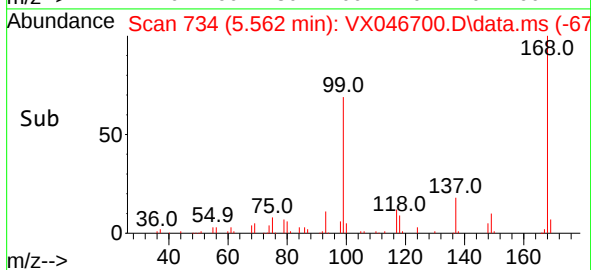
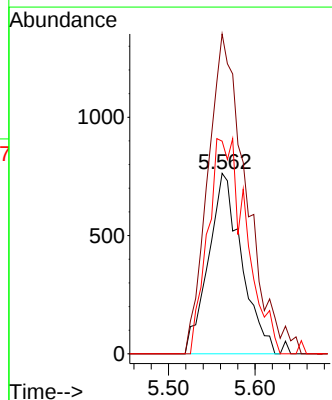
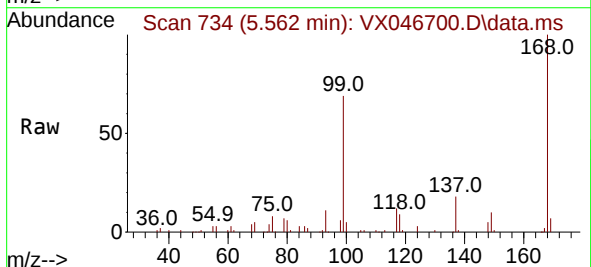
Instrument :
MSVOA_X
ClientSampleId :
ETGI-329

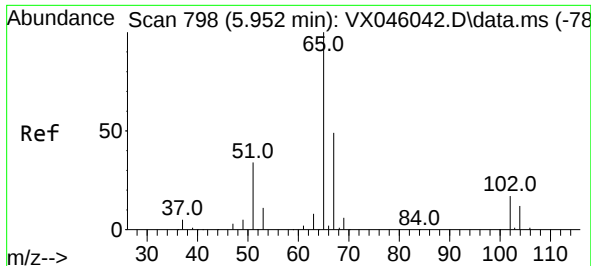
Tgt Ion: 43 Resp: 2204
Ion Ratio Lower Upper
43 100
72 38.0 18.4 27.6#



#31
Cyclohexane
Concen: 1.053 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.073 min
Lab File: VX046700.D
Acq: 13 Jun 2025 19:12

Tgt Ion: 56 Resp: 2025
Ion Ratio Lower Upper
56 100
69 177.2 24.4 36.6#
84 117.8 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 42.495 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.000 min

Lab File: VX046700.D

Acq: 13 Jun 2025 19:12

Instrument :

MSVOA_X

ClientSampleId :

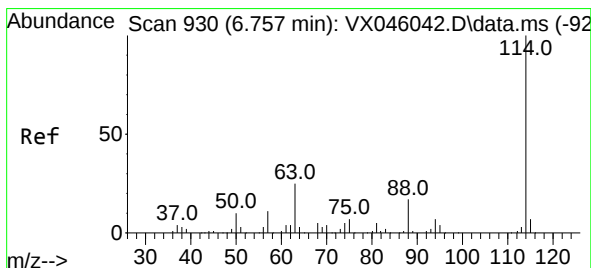
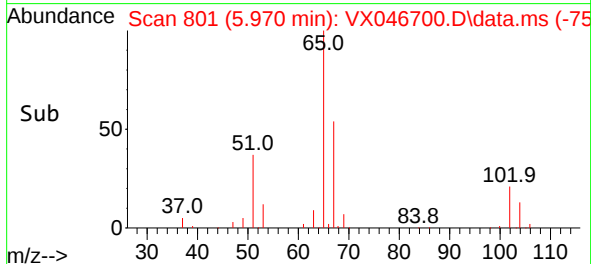
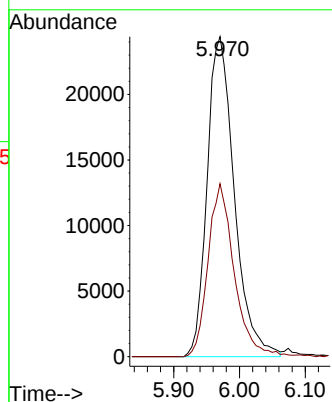
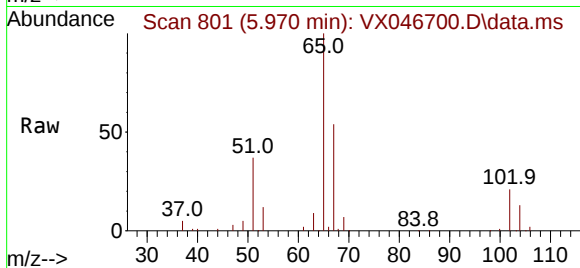
ETGI-329

Tgt Ion: 65 Resp: 70322

Ion Ratio Lower Upper

65 100

67 52.1 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.006 min

Lab File: VX046700.D

Acq: 13 Jun 2025 19:12

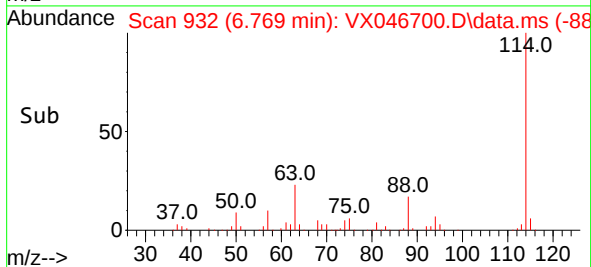
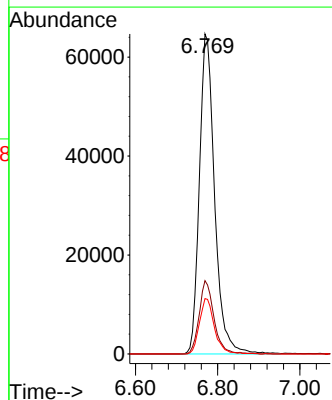
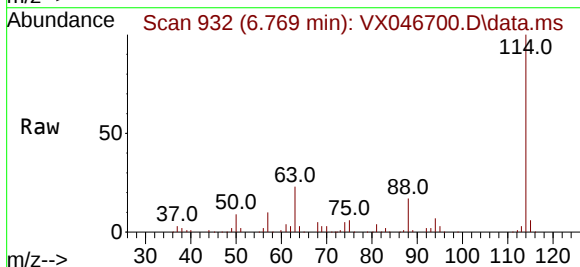
Tgt Ion: 114 Resp: 166226

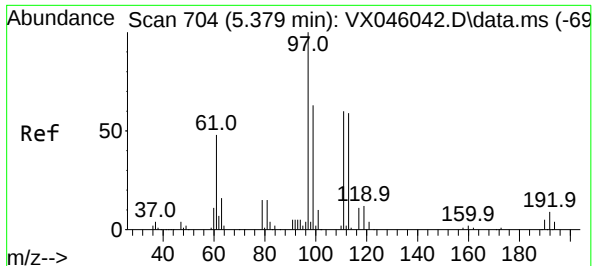
Ion Ratio Lower Upper

114 100

63 22.9 0.0 49.2

88 17.3 0.0 33.6

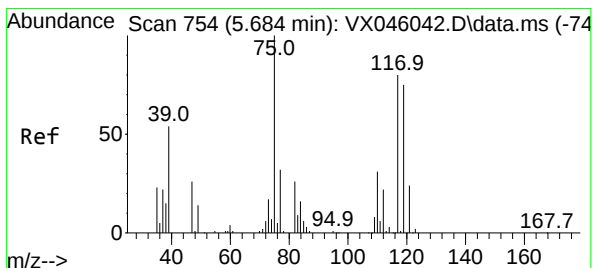
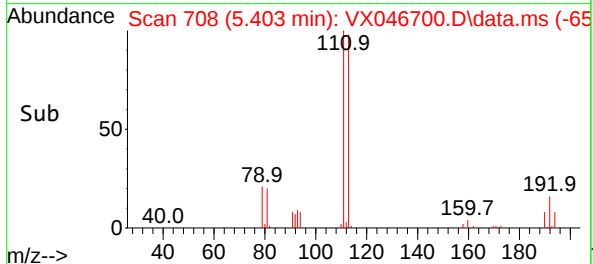
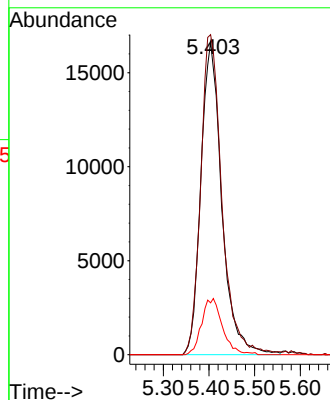
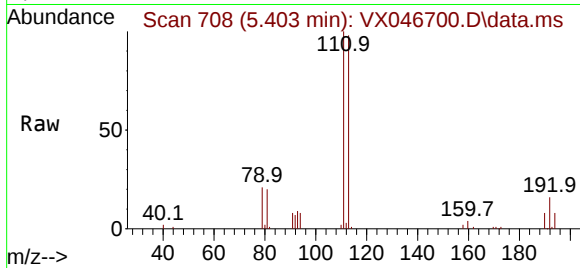




#35
Dibromofluoromethane
Concen: 43.186 ug/l
RT: 5.403 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046700.D
Acq: 13 Jun 2025 19:12

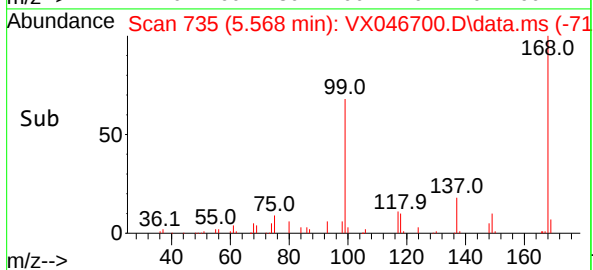
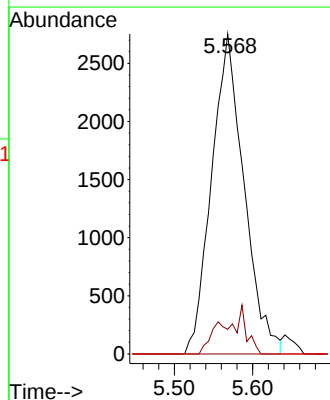
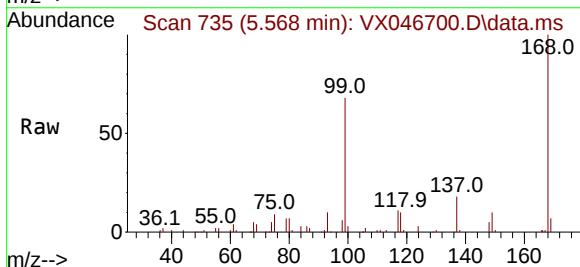
Instrument :
MSVOA_X
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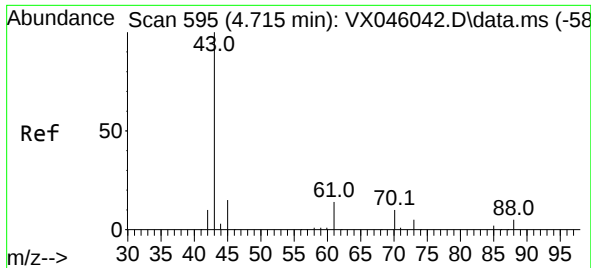
Tgt Ion:113 Resp: 52792
Ion Ratio Lower Upper
113 100
111 103.8 83.1 124.7
192 18.0 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.533 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.146 min
Lab File: VX046700.D
Acq: 13 Jun 2025 19:12

Tgt Ion: 75 Resp: 7916
Ion Ratio Lower Upper
75 100
110 5.2 16.3 48.9#
77 0.0 24.3 36.5#

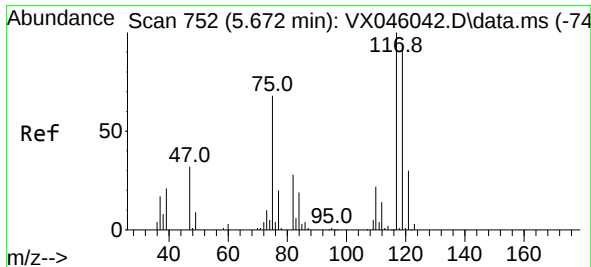
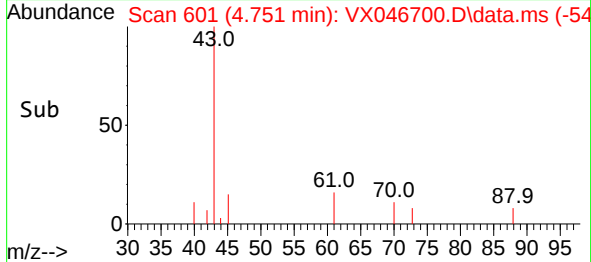
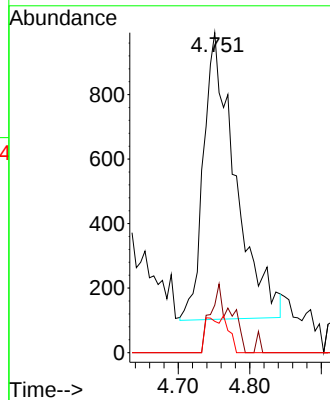
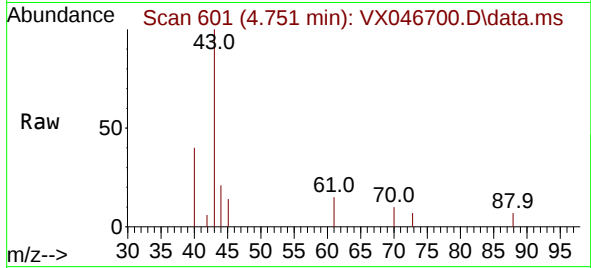




#37
Ethyl Acetate
Concen: 1.614 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.018 min
Lab File: VX046700.D
Acq: 13 Jun 2025 19:12

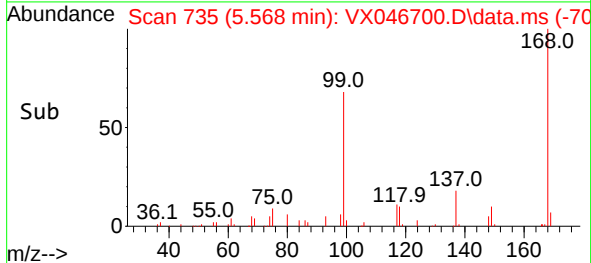
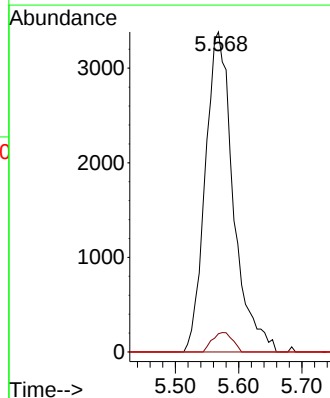
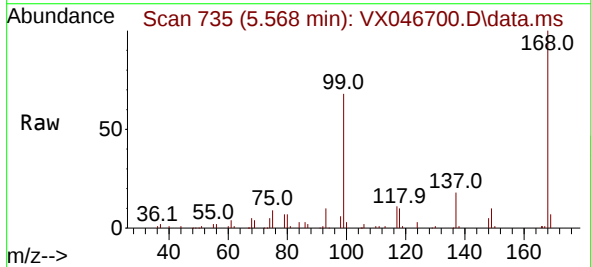
Instrument :
MSVOA_X
ClientSampleId :
ETGI-329

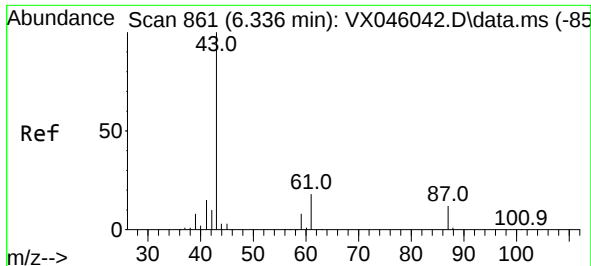
Tgt Ion: 43	Resp: 2750
Ion Ratio	Lower Upper
43 100	
61 15.3	10.3 15.5
70 8.6	7.9 11.9



#38
Carbon Tetrachloride
Concen: 5.319 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.128 min
Lab File: VX046700.D
Acq: 13 Jun 2025 19:12

Tgt	Ion:117	Resp:	10402
Ion	Ratio	Lower	Upper
117	100		
119	5.7	75.2	112.8#
121	0.0	24.2	36.4#

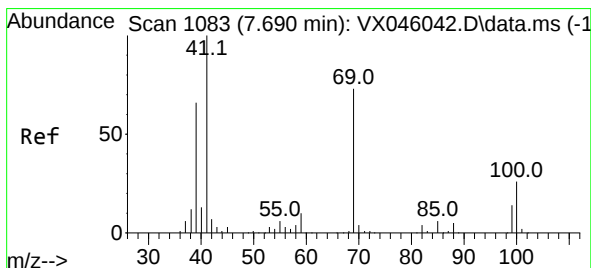
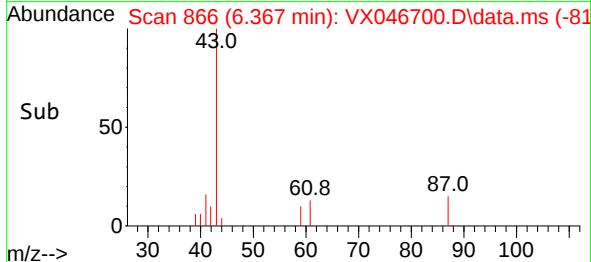
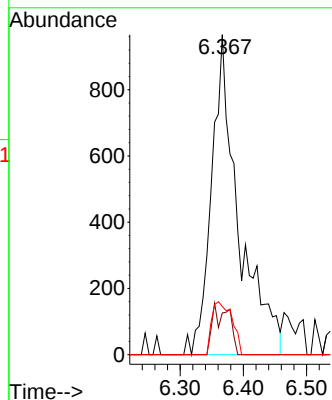
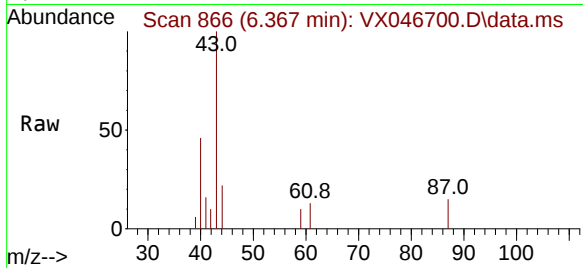




#43
Isopropyl Acetate
Concen: 0.971 ug/l
RT: 6.367 min Scan# 81
Delta R.T. 0.013 min
Lab File: VX046700.D
Acq: 13 Jun 2025 19:12

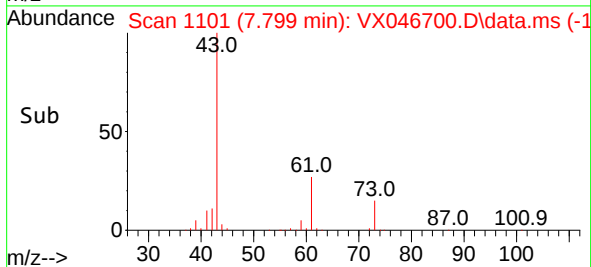
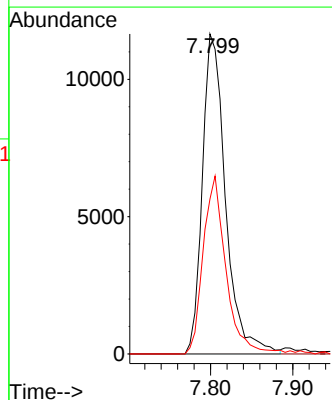
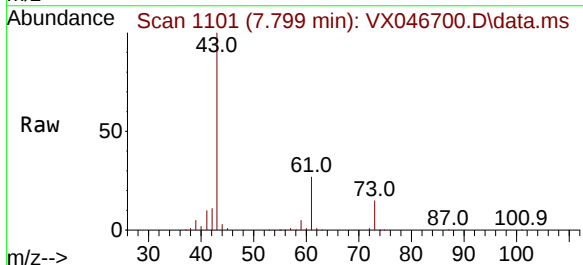
Instrument :
MSVOA_X
ClientSampleId :
ETGI-329

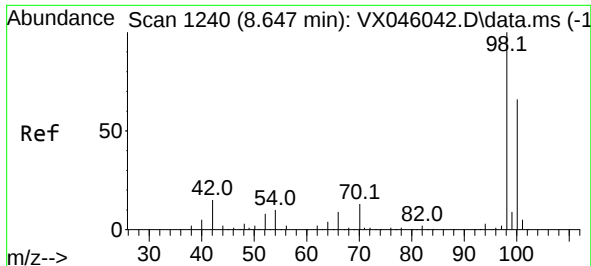
Tgt Ion: 43 Resp: 2886
Ion Ratio Lower Upper
43 100
61 3.9 14.3 21.5#
87 12.3 9.5 14.3



#48
Methyl methacrylate
Concen: 14.909 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.097 min
Lab File: VX046700.D
Acq: 13 Jun 2025 19:12

Tgt Ion: 41 Resp: 22791
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 54.6 51.7 77.5

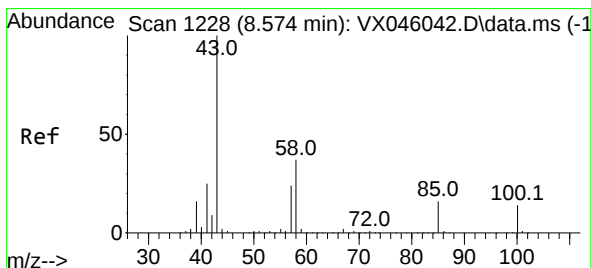
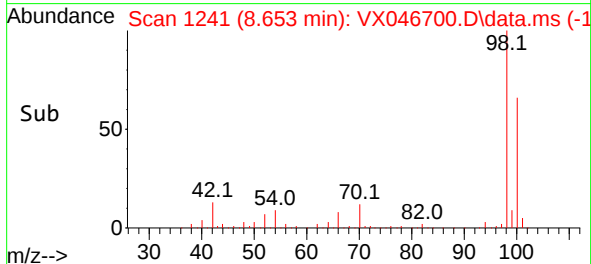
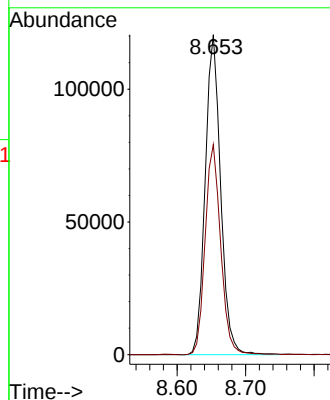
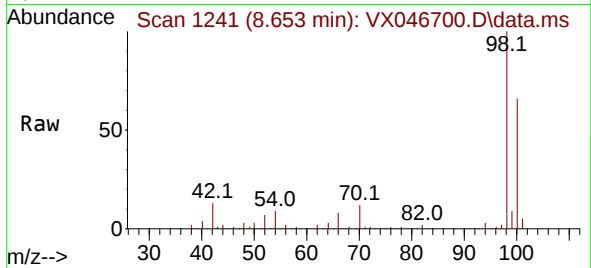




#50
Toluene-d8
Concen: 46.940 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046700.D
Acq: 13 Jun 2025 19:12

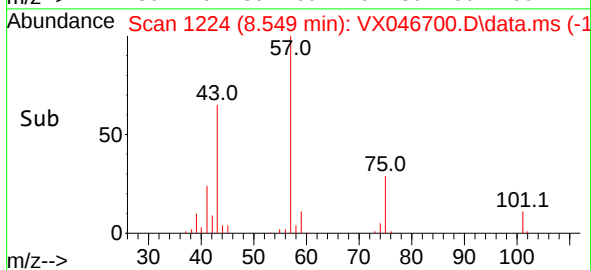
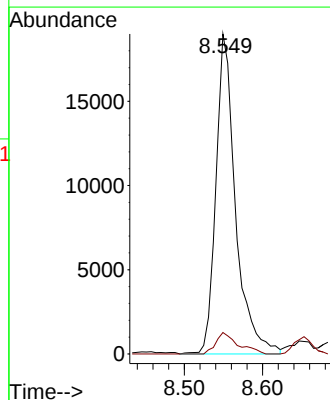
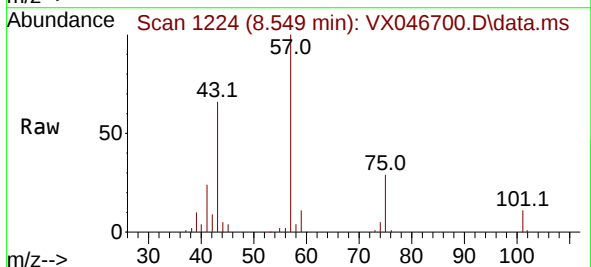
Instrument :
MSVOA_X
ClientSampleId :
ETGI-329

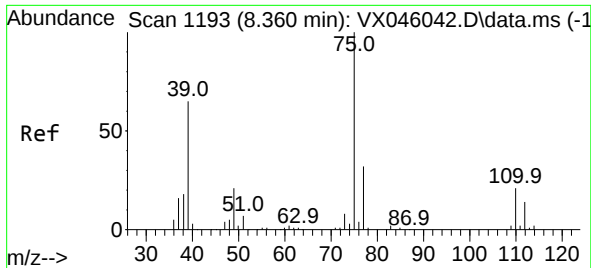
Tgt Ion: 98 Resp: 189175
Ion Ratio Lower Upper
98 100
100 66.1 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 17.539 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046700.D
Acq: 13 Jun 2025 19:12

Tgt Ion: 43 Resp: 33114
Ion Ratio Lower Upper
43 100
58 7.5 28.9 43.3#

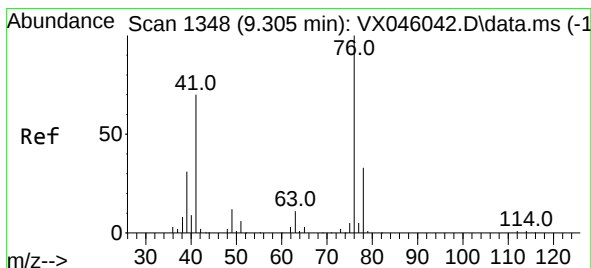
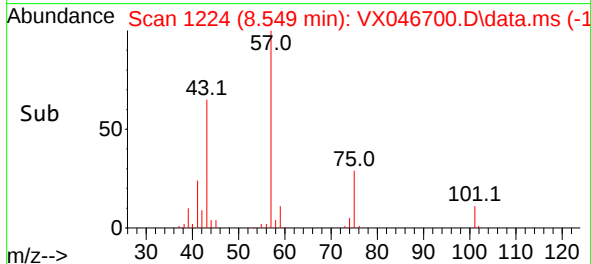
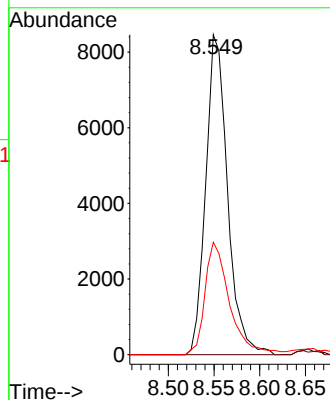
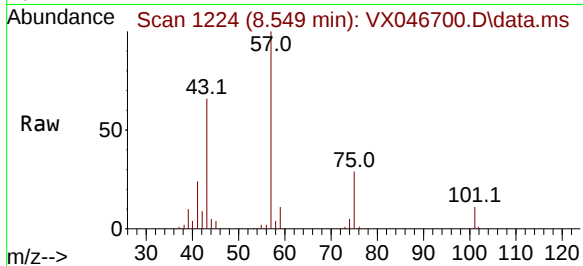




#54
 cis-1,3-Dichloropropene
 Concen: 7.162 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.177 min
 Lab File: VX046700.D
 Acq: 13 Jun 2025 19:12

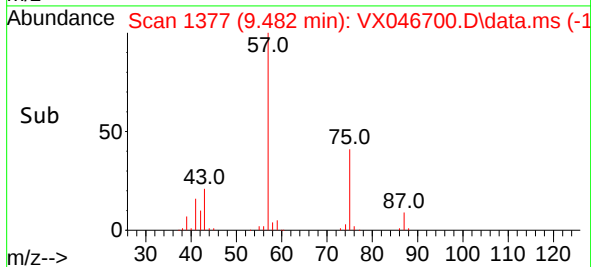
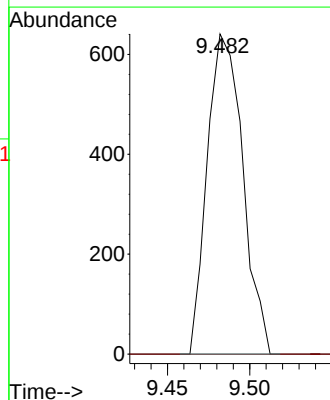
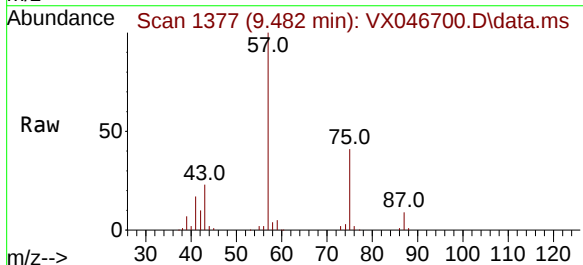
Instrument :
 MSVOA_X
 ClientSampleId :
 ETGI-329

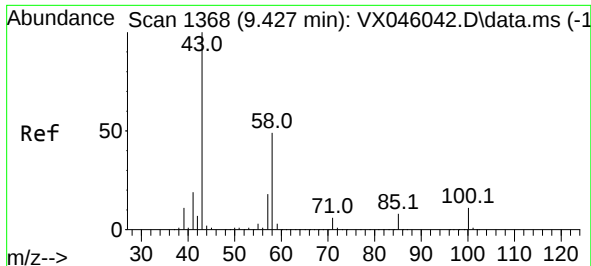
Tgt Ion: 75 Resp: 14013
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 35.1 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.449 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX046700.D
 Acq: 13 Jun 2025 19:12

Tgt Ion: 76 Resp: 963
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

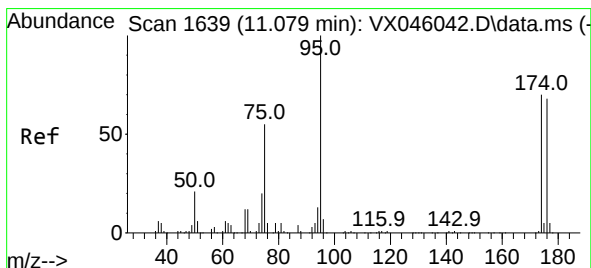
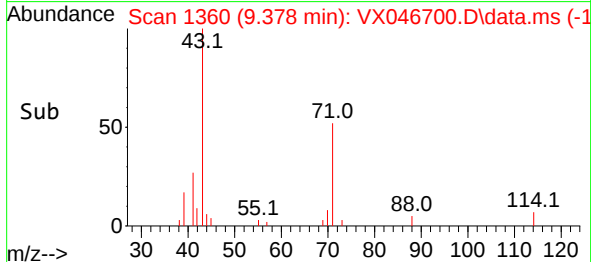
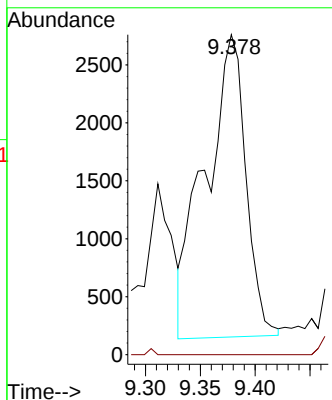
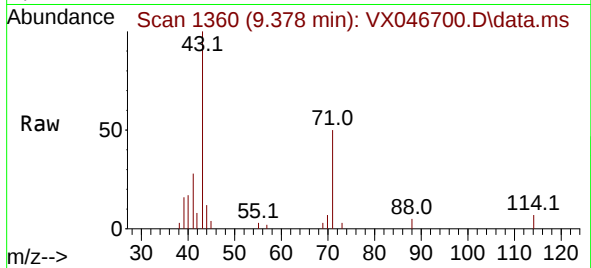




#59
2-Hexanone
Concen: 4.945 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX046700.D
Acq: 13 Jun 2025 19:12

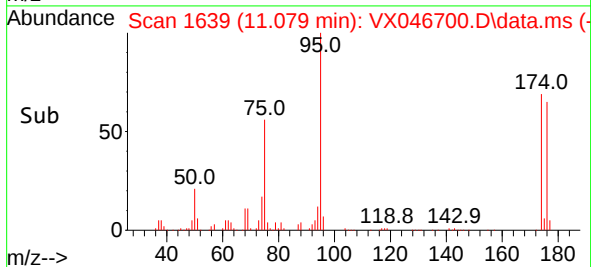
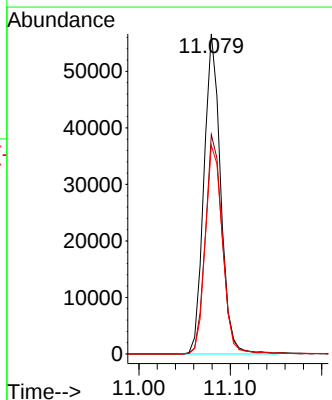
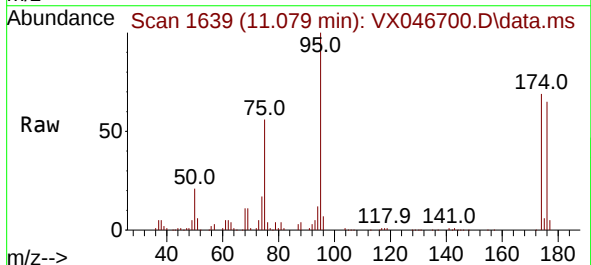
Instrument :
MSVOA_X
ClientSampleId :
ETGI-329

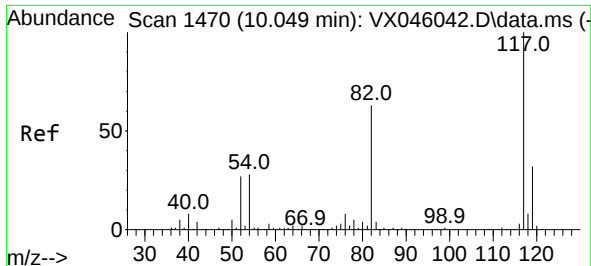
Tgt Ion: 43 Resp: 6696
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 42.890 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046700.D
Acq: 13 Jun 2025 19:12

Tgt Ion: 95 Resp: 71518
Ion Ratio Lower Upper
95 100
174 69.6 0.0 135.8
176 67.4 0.0 131.4

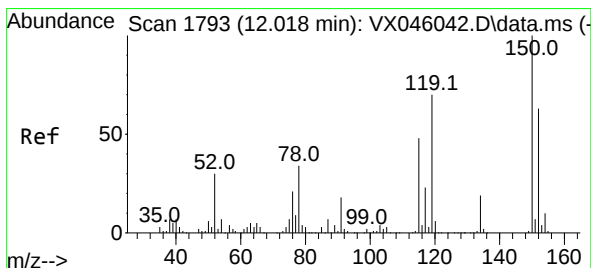
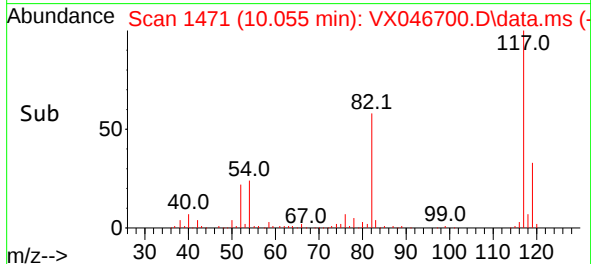
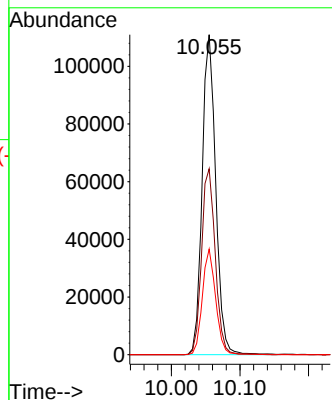
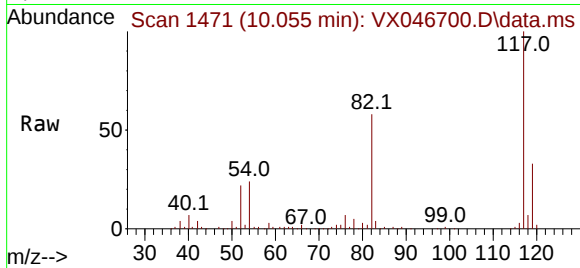




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046700.D
Acq: 13 Jun 2025 19:12

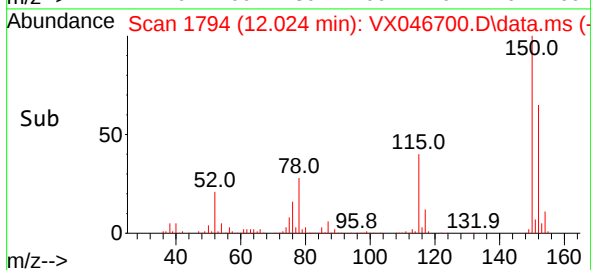
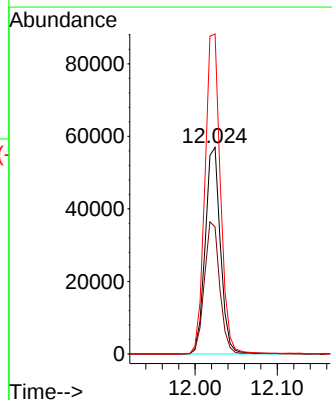
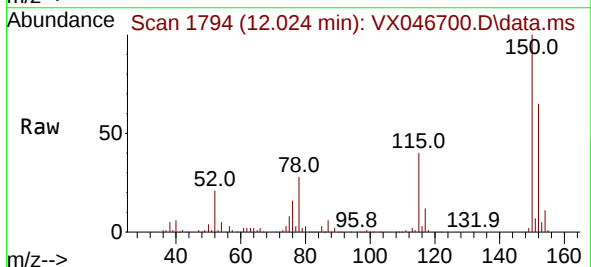
Instrument :
MSVOA_X
ClientSampleId :
ETGI-329

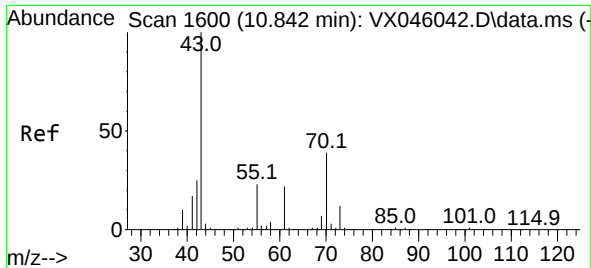
Tgt Ion:117 Resp: 153079
Ion Ratio Lower Upper
117 100
82 58.1 50.6 76.0
119 33.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX046700.D
Acq: 13 Jun 2025 19:12

Tgt Ion:152 Resp: 73348
Ion Ratio Lower Upper
152 100
115 64.7 46.9 140.7
150 157.7 0.0 351.0

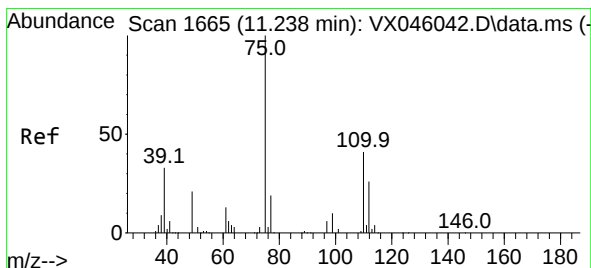
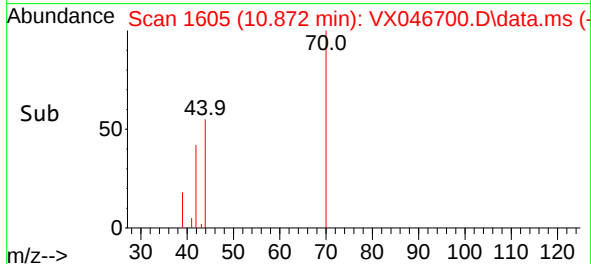
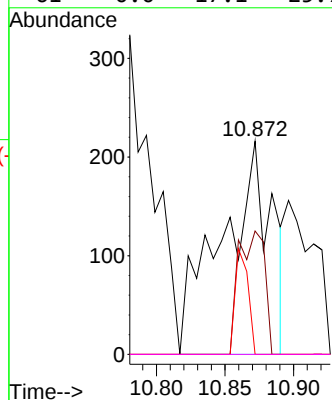
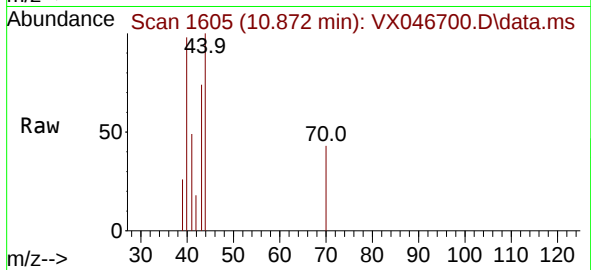




#74
N-amy1 acetate
Concen: 0.218 ug/l
RT: 10.872 min Scan# 1605
Delta R.T. 0.031 min
Lab File: VX046700.D
Acq: 13 Jun 2025 19:12

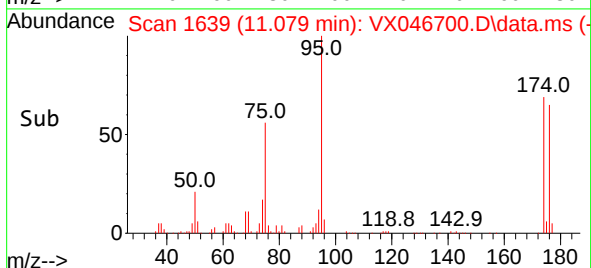
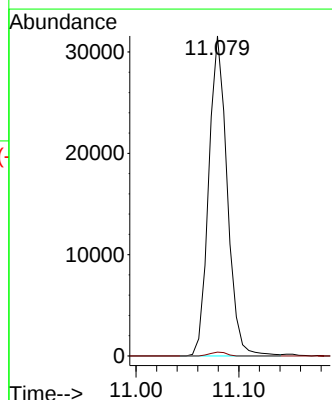
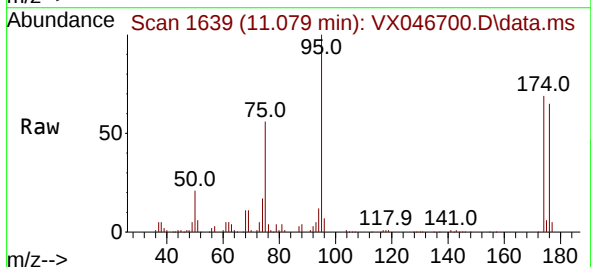
Instrument :
MSVOA_X
ClientSampleId :
ETGI-329

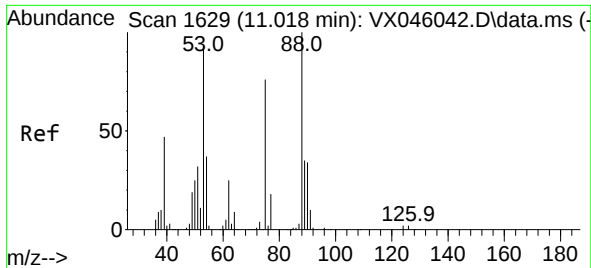
Tgt Ion: 43 Resp: 553
Ion Ratio Lower Upper
43 100
70 29.8 30.9 46.3#
55 12.7 18.7 28.1#
61 0.0 17.1 25.7#



#76
1,2,3-Trichloropropane
Concen: 25.407 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046700.D
Acq: 13 Jun 2025 19:12

Tgt Ion: 75 Resp: 39473
Ion Ratio Lower Upper
75 100
77 1.1 20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.291 ug/l
 RT: 11.079 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX046700.D
 Acq: 13 Jun 2025 19:12

Instrument :
 MSVOA_X
 ClientSampleId :
 ETGI-329

Tgt Ion: 75 Resp: 39473
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.1 37.0 55.6#

