

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071023\
 Data File : VX036489.D
 Acq On : 10 Jul 2023 17:42
 Operator : JC/MD
 Sample : 03555-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ETGI-330

Quant Time: Jul 11 01:31:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

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

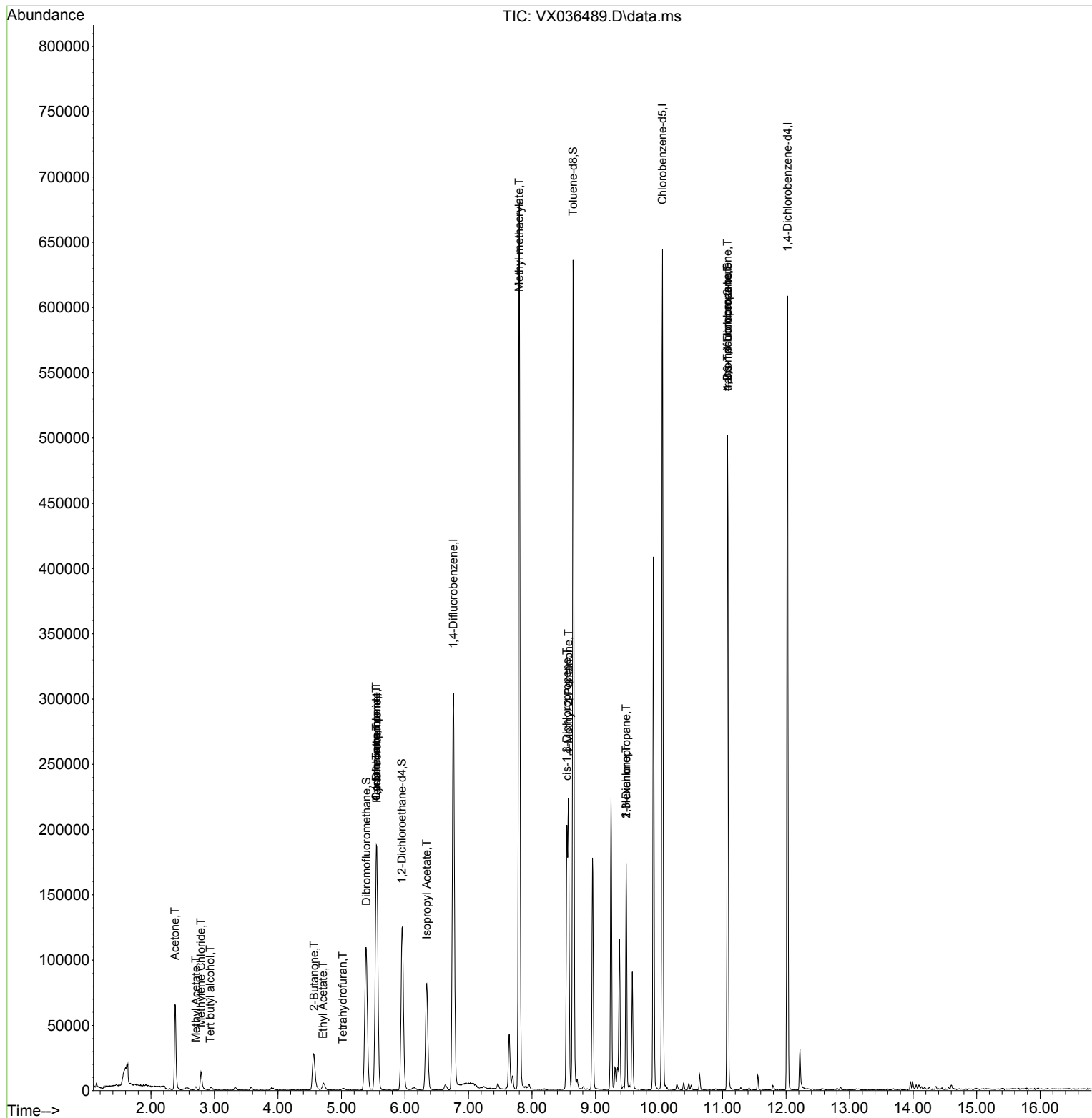
Internal Standards						
1) Pentafluorobenzene	5.556	168	177760	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	303524	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	279714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	124319	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	118225	46.398	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.800%
35) Dibromofluoromethane	5.391	113	97322	48.628	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.260%
50) Toluene-d8	8.647	98	373063	49.908	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.820%
62) 4-Bromofluorobenzene	11.079	95	131230	49.841	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.680%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.934	59	868	1.871	ug/l #	78
16) Acetone	2.380	43	72644	66.700	ug/l	94
18) Methyl Acetate	2.709	43	3484	0.778	ug/l	96
20) Methylene Chloride	2.788	84	6957	2.967	ug/l	97
25) 2-Butanone	4.568	43	50095	32.013	ug/l	97
29) Tetrahydrofuran	5.019	42	708	0.711	ug/l	95
31) Cyclohexane	5.550	56	4022	1.232	ug/l #	19
36) 1,1-Dichloropropene	5.550	75	14921	5.002	ug/l #	50
37) Ethyl Acetate	4.708	43	10513	3.458	ug/l #	95
38) Carbon Tetrachloride	5.550	117	18792	6.897	ug/l #	14
43) Isopropyl Acetate	6.342	43	113423	23.384	ug/l	97
48) Methyl methacrylate	7.799	41	58538	24.204	ug/l #	48
51) 4-Methyl-2-Pentanone	8.574	43	184870	59.157	ug/l #	85
54) cis-1,3-Dichloropropene	8.549	75	30397	9.213	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	1392	0.370	ug/l #	42
59) 2-Hexanone	9.482	43	19712	8.638	ug/l #	55
76) 1,2,3-Trichloropropane	11.079	75	67795	25.566	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	67795	83.339	ug/l #	5

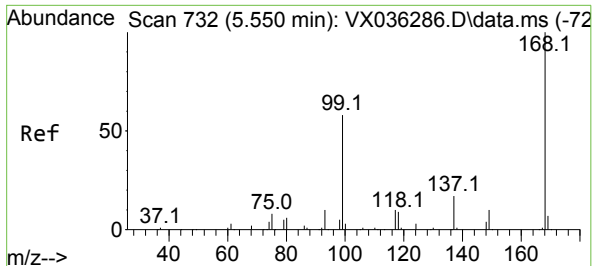
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 11 01:31:59 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 23 15:03:28 2023
Response via : Initial Calibration

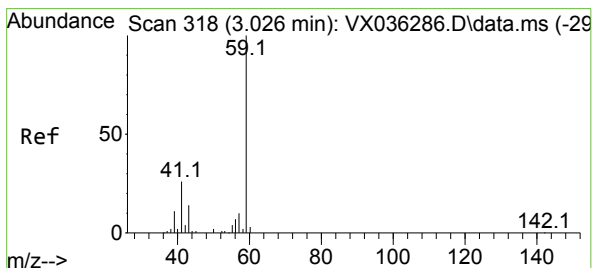
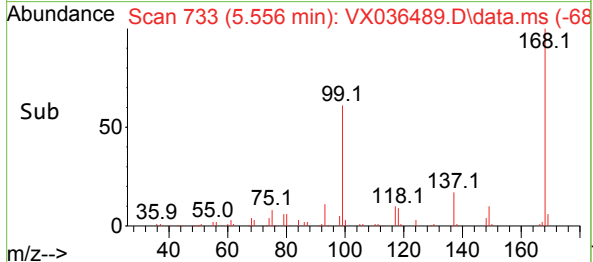
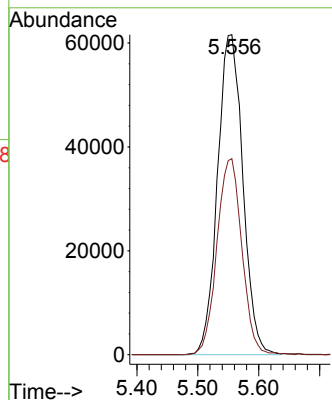
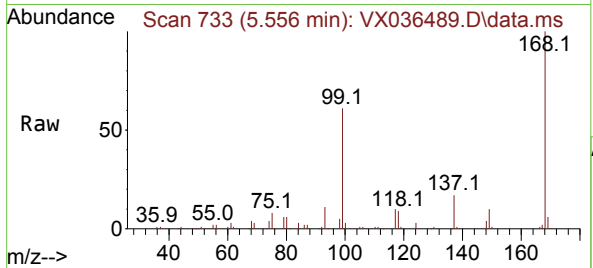




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036489.D
Acq: 10 Jul 2023 17:42

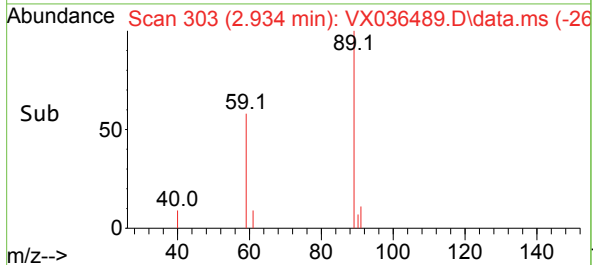
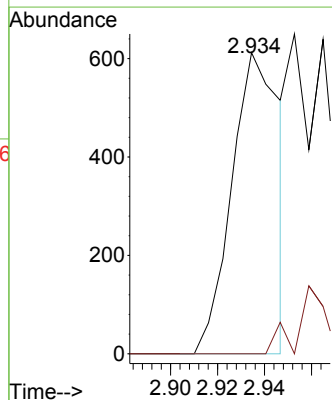
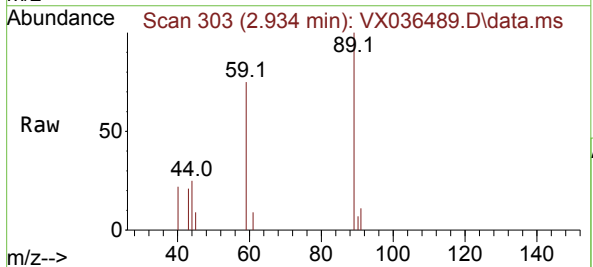
Instrument :
MSVOA_X
ClientSampleId :
ETGI-330

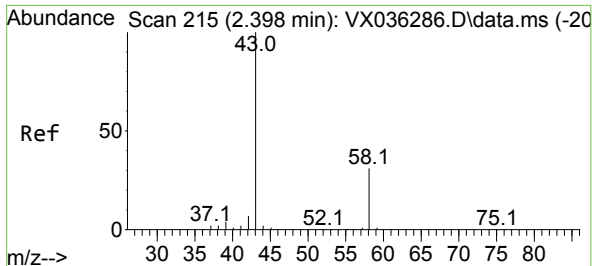
Tgt Ion:168 Resp: 177760
Ion Ratio Lower Upper
168 100
99 61.3 56.6 85.0



#11
Tert butyl alcohol
Concen: 1.871 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.079 min
Lab File: VX036489.D
Acq: 10 Jul 2023 17:42

Tgt Ion: 59 Resp: 868
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#16

Acetone

Concen: 66.700 ug/l

RT: 2.380 min Scan# 215

Delta R.T. -0.024 min

Lab File: VX036489.D

Acq: 10 Jul 2023 17:42

Instrument :

MSVOA_X

ClientSampleId :

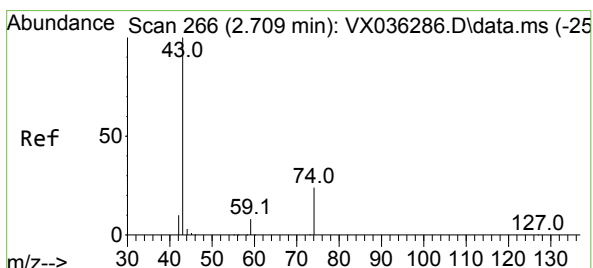
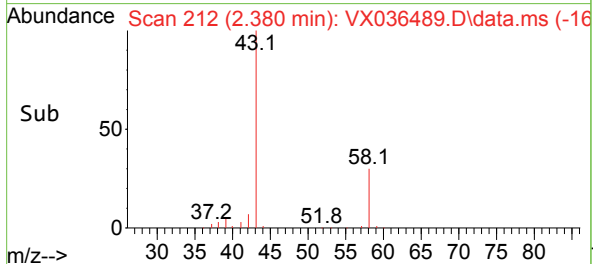
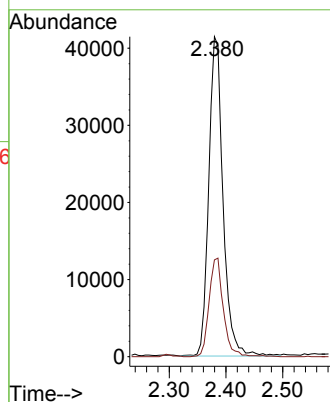
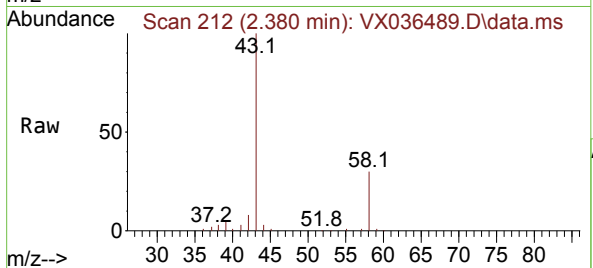
ETGI-330

Tgt Ion: 43 Resp: 72644

Ion Ratio Lower Upper

43 100

58 30.3 21.9 32.9



#18

Methyl Acetate

Concen: 0.778 ug/l

RT: 2.709 min Scan# 266

Delta R.T. -0.000 min

Lab File: VX036489.D

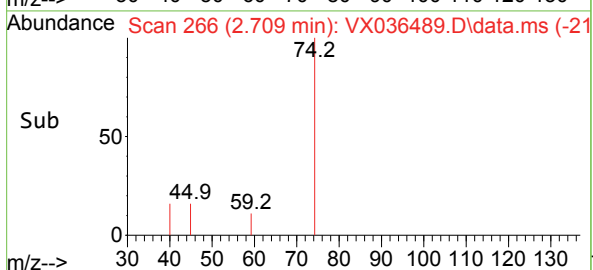
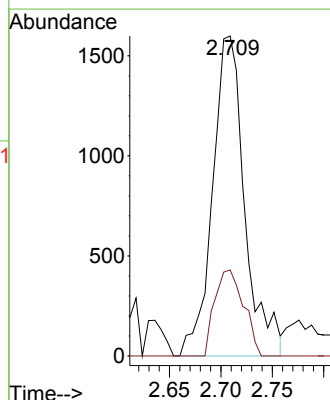
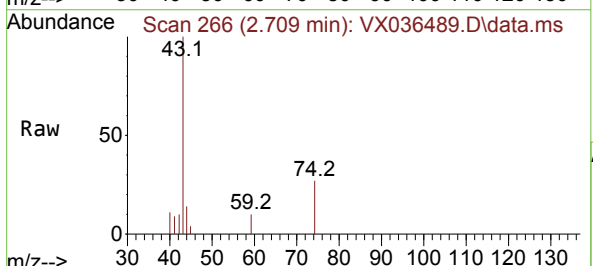
Acq: 10 Jul 2023 17:42

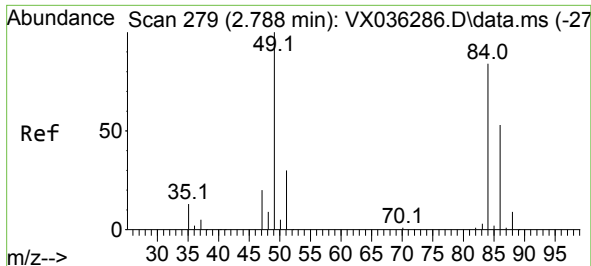
Tgt Ion: 43 Resp: 3484

Ion Ratio Lower Upper

43 100

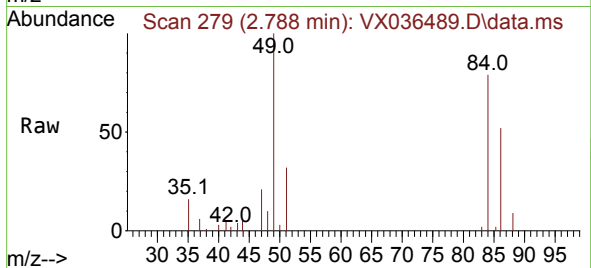
74 24.1 17.8 26.8



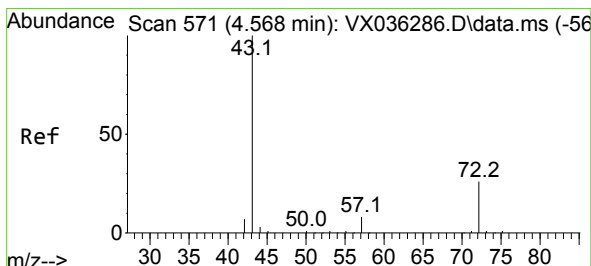
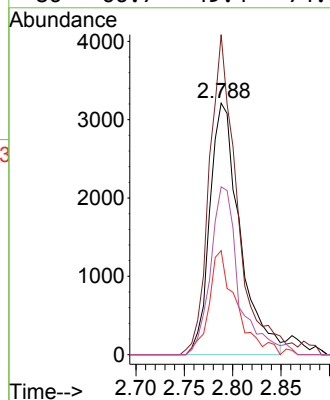
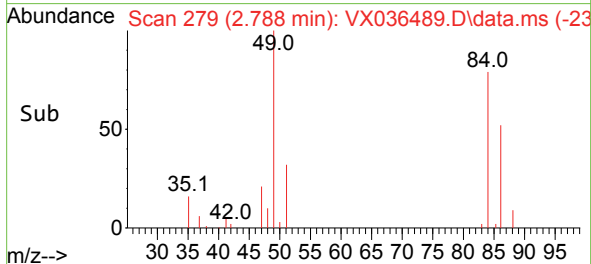


#20
Methylene Chloride
Concen: 2.967 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX036489.D
Acq: 10 Jul 2023 17:42

Instrument :
MSVOA_X
ClientSampleId :
ETGI-330

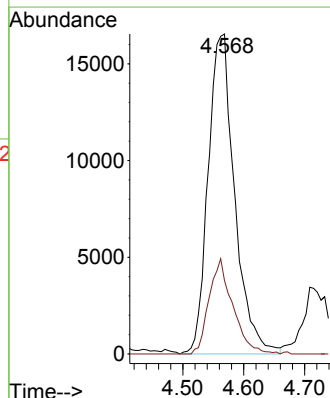
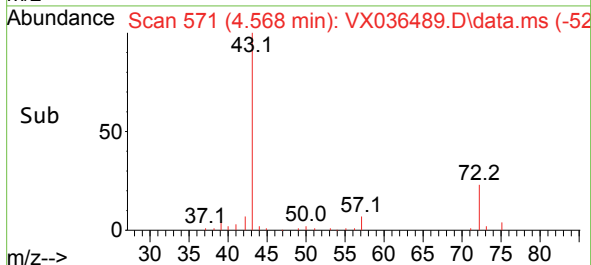
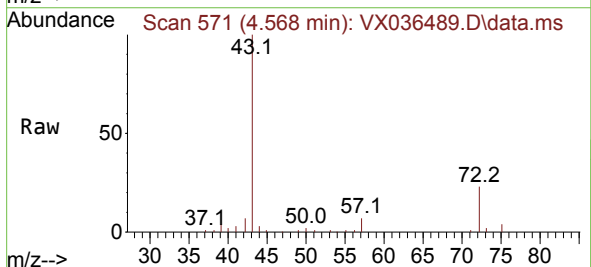


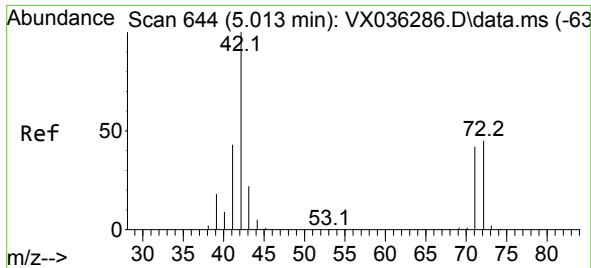
Tgt Ion: 84	Resp: 6957
Ion Ratio	Lower Upper
84 100	
49 127.2	103.6 155.4
51 41.3	33.8 50.6
86 66.7	49.4 74.0



#25
2-Butanone
Concen: 32.013 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX036489.D
Acq: 10 Jul 2023 17:42

Tgt Ion: 43	Resp: 50095
Ion Ratio	Lower Upper
43 100	
72 22.9	19.4 29.2

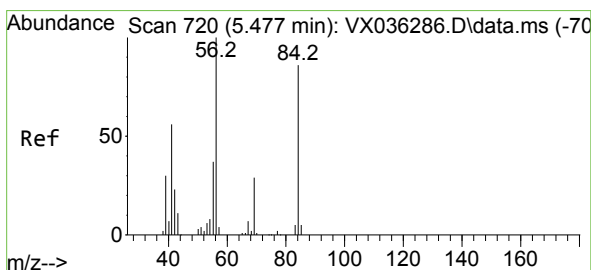
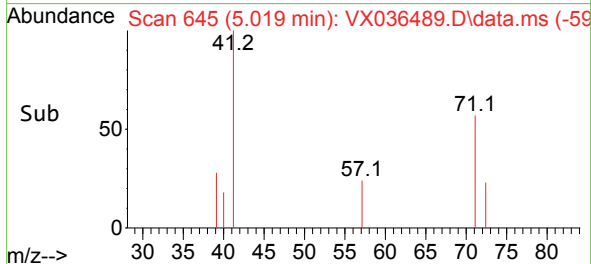
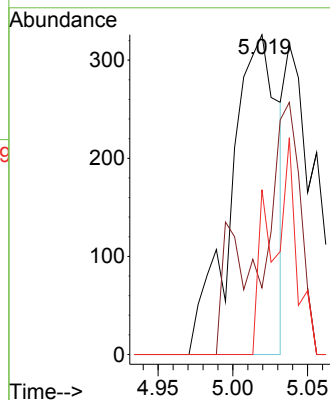
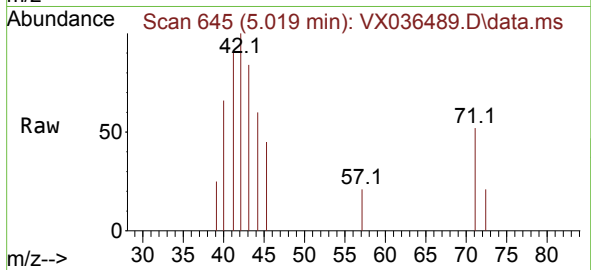




#29
Tetrahydrofuran
Concen: 0.711 ug/l
RT: 5.019 min Scan# 644
Delta R.T. 0.000 min
Lab File: VX036489.D
Acq: 10 Jul 2023 17:42

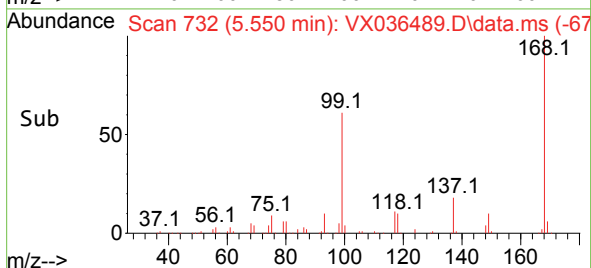
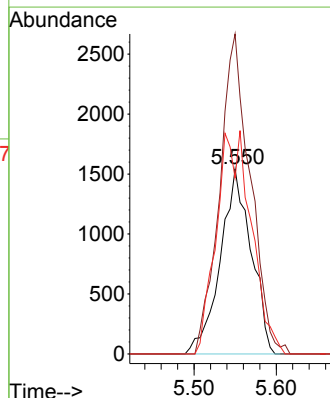
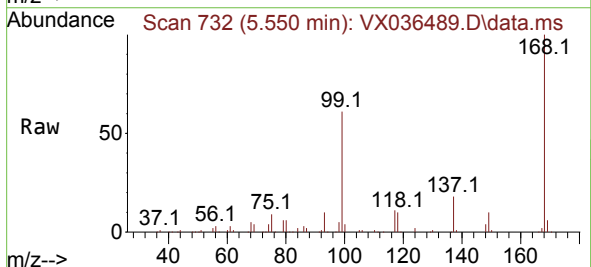
Instrument :
MSVOA_X
ClientSampleId :
ETGI-330

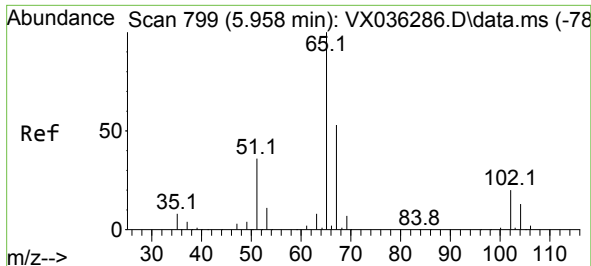
Tgt Ion:	42	Resp:	708
Ion	Ratio	Lower	Upper
42	100		
72	45.2	34.2	51.4
71	36.3	32.2	48.2



#31
Cyclohexane
Concen: 1.232 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.080 min
Lab File: VX036489.D
Acq: 10 Jul 2023 17:42

Tgt Ion:	56	Resp:	4022
Ion	Ratio	Lower	Upper
56	100		
69	172.8	23.4	35.2#
84	95.1	65.9	98.9





#33

1,2-Dichloroethane-d4

Concen: 46.398 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX036489.D

Acq: 10 Jul 2023 17:42

Instrument :

MSVOA_X

ClientSampleId :

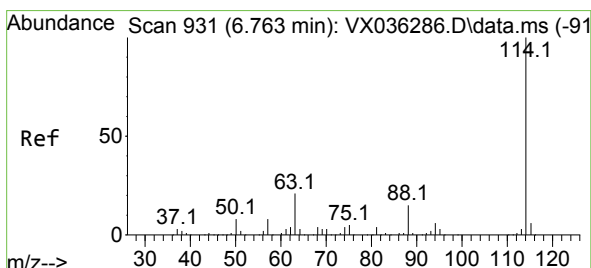
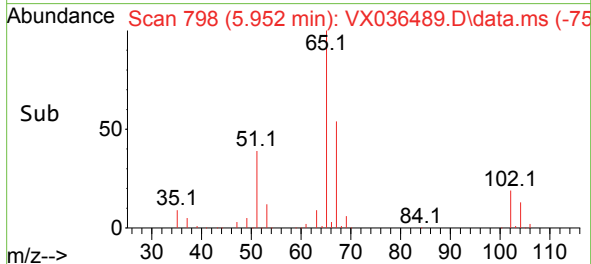
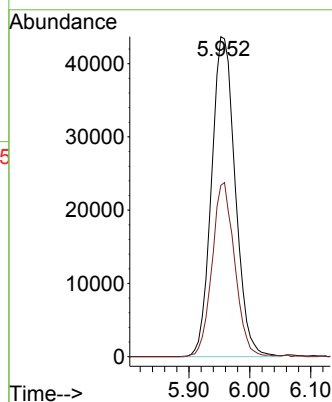
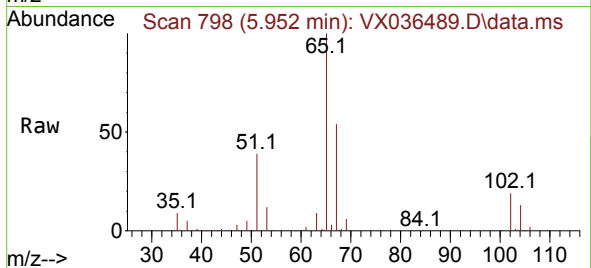
ETGI-330

Tgt Ion: 65 Resp: 118225

Ion Ratio Lower Upper

65 100

67 52.0 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX036489.D

Acq: 10 Jul 2023 17:42

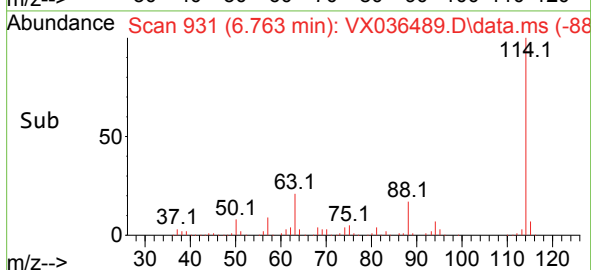
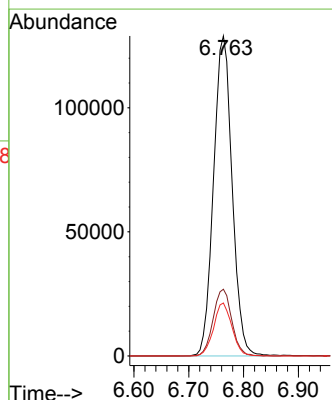
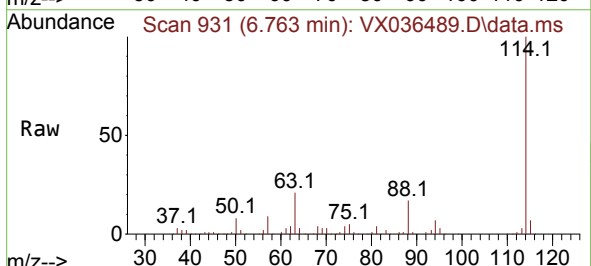
Tgt Ion: 114 Resp: 303524

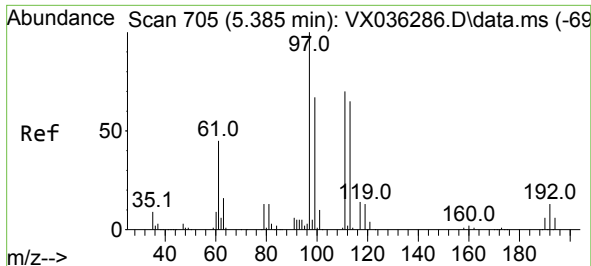
Ion Ratio Lower Upper

114 100

63 20.9 0.0 45.0

88 16.5 0.0 36.6

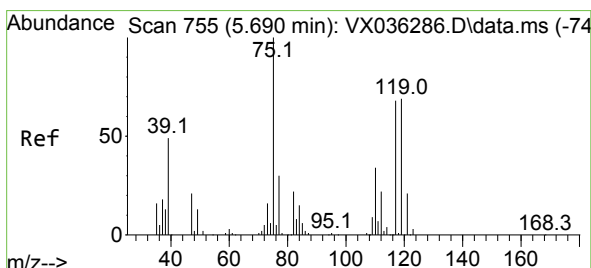
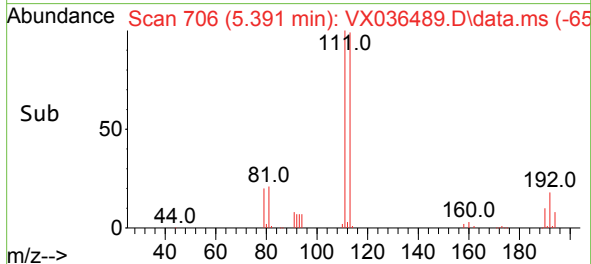
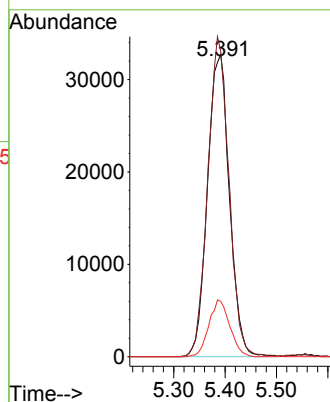
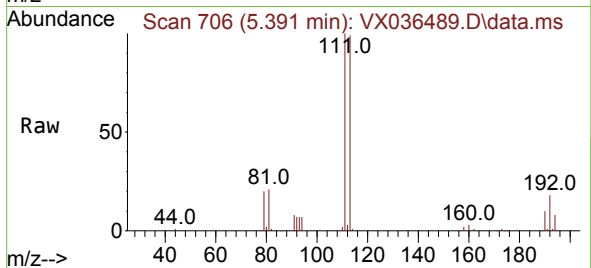




#35
Dibromofluoromethane
Concen: 48.628 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX036489.D
Acq: 10 Jul 2023 17:42

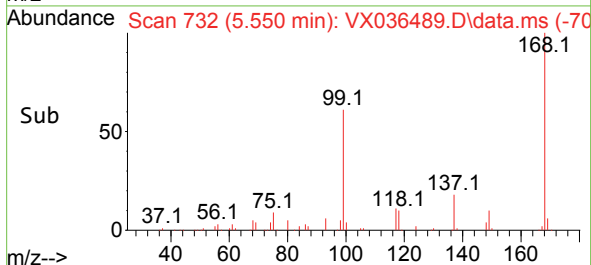
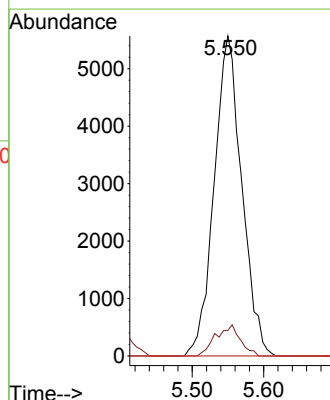
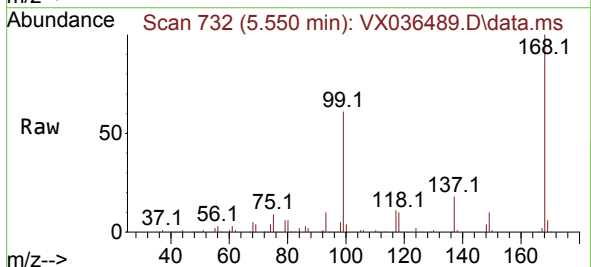
Instrument :
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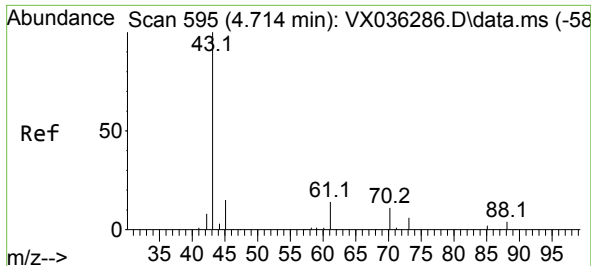
Tgt Ion:113 Resp: 97322
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 17.8 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.002 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX036489.D
Acq: 10 Jul 2023 17:42

Tgt Ion: 75 Resp: 14921
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 3.458 ug/l

RT: 4.708 min Scan# 594

Delta R.T. -0.006 min

Lab File: VX036489.D

Acq: 10 Jul 2023 17:42

Instrument :

MSVOA_X

ClientSampleId :

ETGI-330

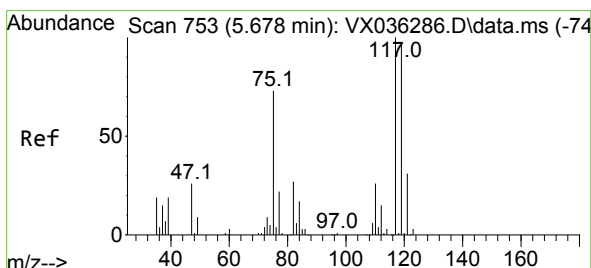
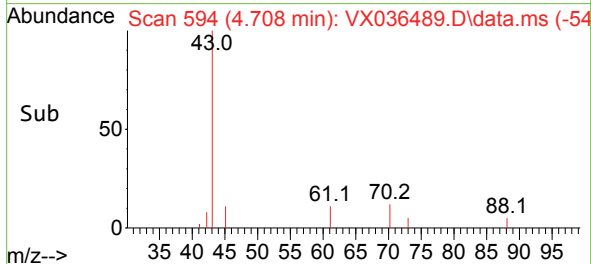
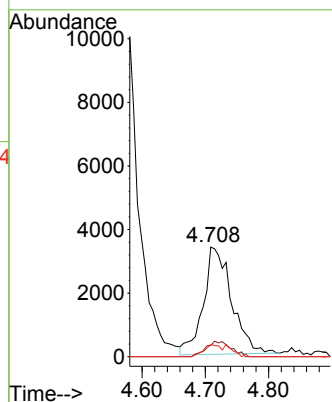
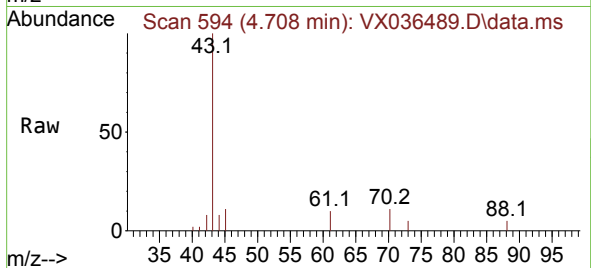
Tgt Ion: 43 Resp: 10513

Ion Ratio Lower Upper

43 100

61 12.6 10.6 16.0

70 6.6 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.897 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX036489.D

Acq: 10 Jul 2023 17:42

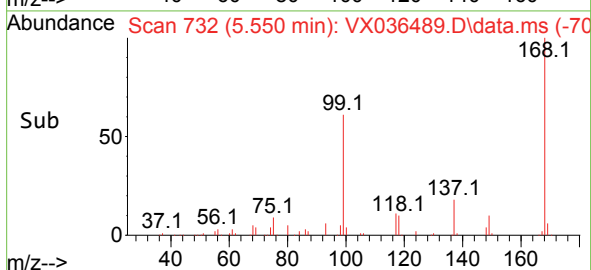
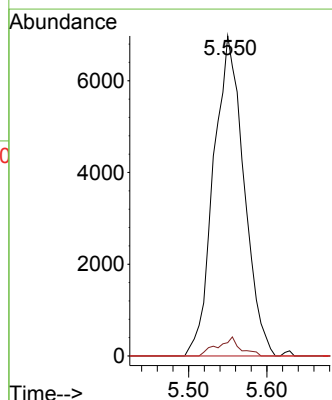
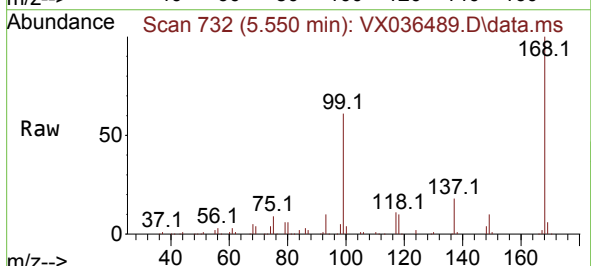
Tgt Ion: 117 Resp: 18792

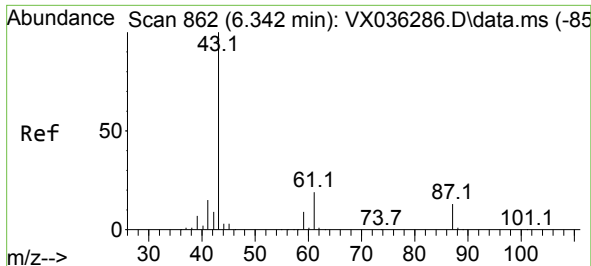
Ion Ratio Lower Upper

117 100

119 4.2 78.2 117.2#

121 0.0 24.4 36.6#

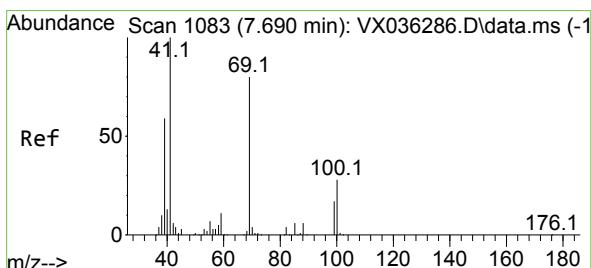
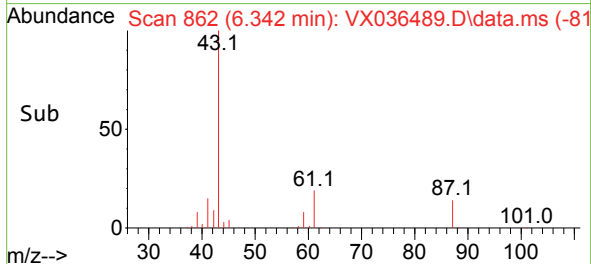
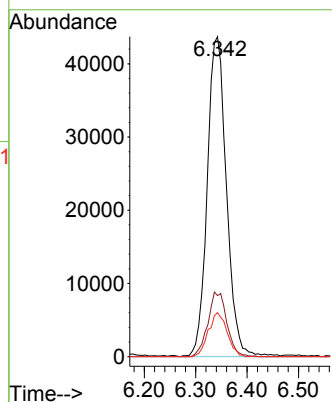
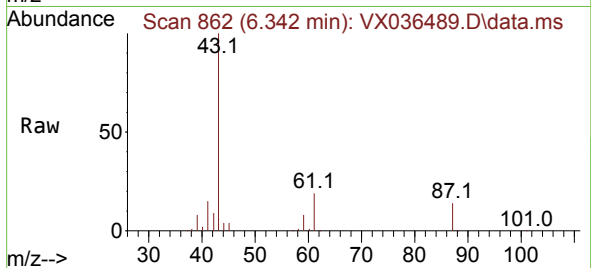




#43
Isopropyl Acetate
Concen: 23.384 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX036489.D
Acq: 10 Jul 2023 17:42

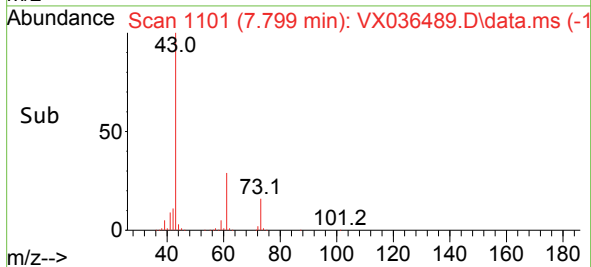
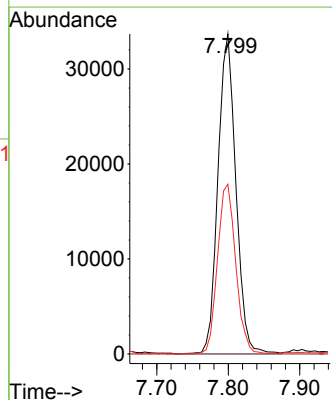
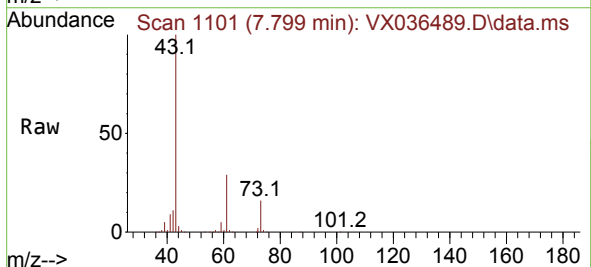
Instrument :
MSVOA_X
ClientSampleId :
ETGI-330

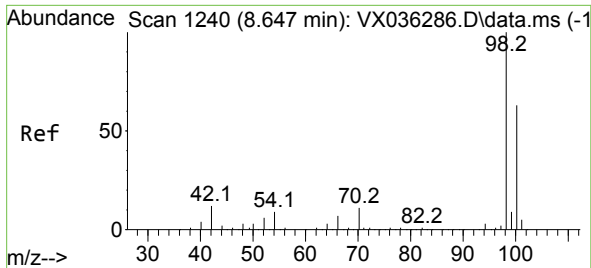
Tgt Ion: 43 Resp: 113423
Ion Ratio Lower Upper
43 100
61 20.0 15.2 22.8
87 13.4 9.8 14.6



#48
Methyl methacrylate
Concen: 24.204 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036489.D
Acq: 10 Jul 2023 17:42

Tgt Ion: 41 Resp: 58538
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 54.2 47.7 71.5

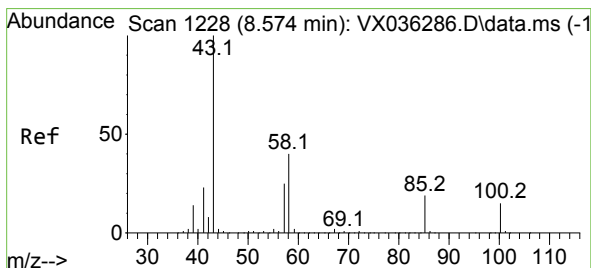
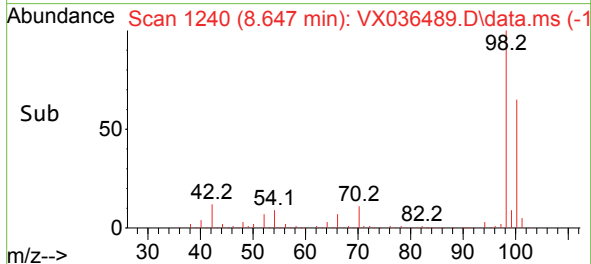
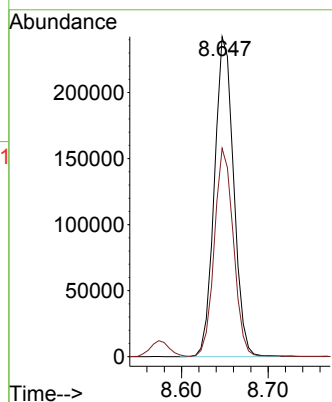
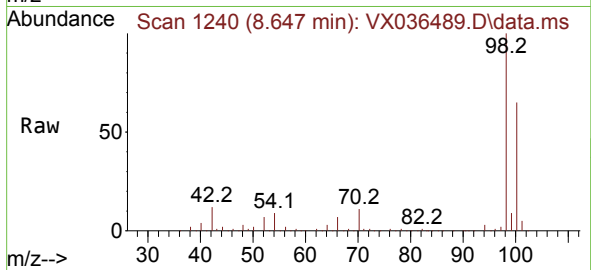




#50
Toluene-d8
Concen: 49.908 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX036489.D
Acq: 10 Jul 2023 17:42

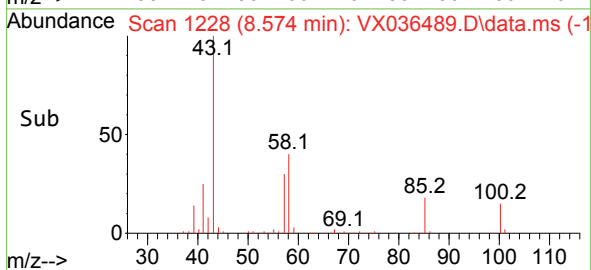
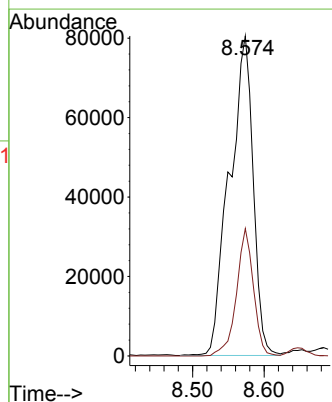
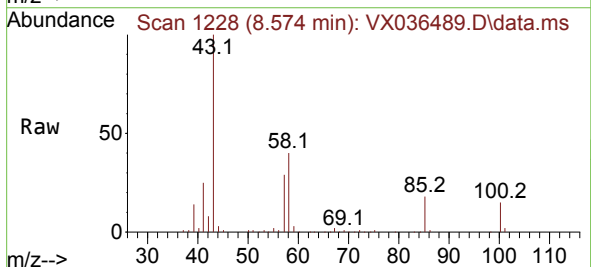
Instrument :
MSVOA_X
ClientSampleId :
ETGI-330

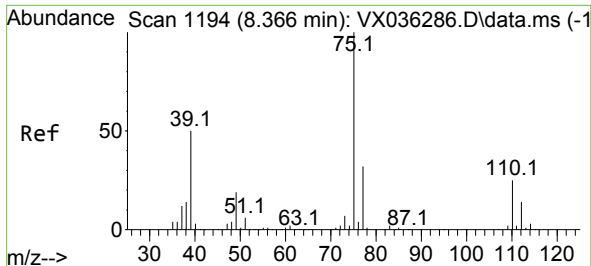
Tgt Ion: 98 Resp: 373063
Ion Ratio Lower Upper
98 100
100 64.8 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 59.157 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.001 min
Lab File: VX036489.D
Acq: 10 Jul 2023 17:42

Tgt Ion: 43 Resp: 184870
Ion Ratio Lower Upper
43 100
58 28.7 30.4 45.6#

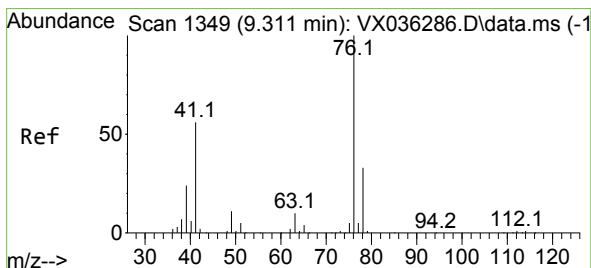
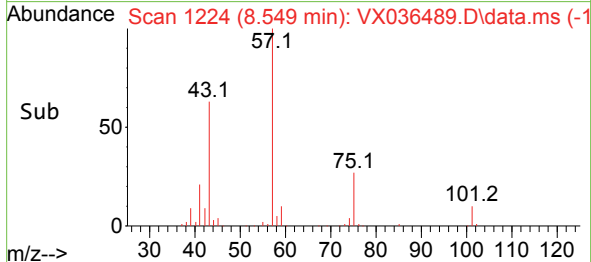
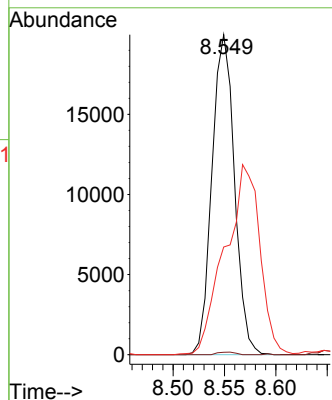
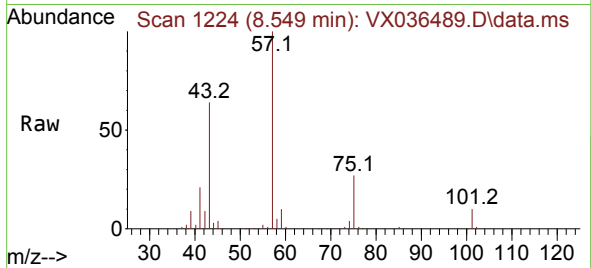




#54
cis-1,3-Dichloropropene
Concen: 9.213 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX036489.D
Acq: 10 Jul 2023 17:42

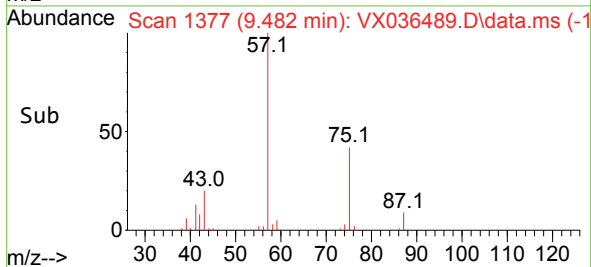
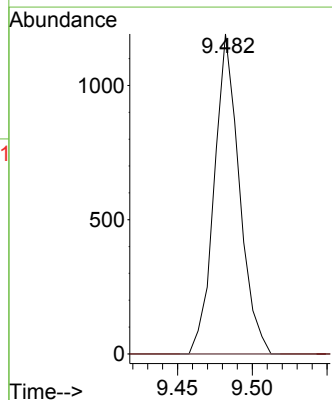
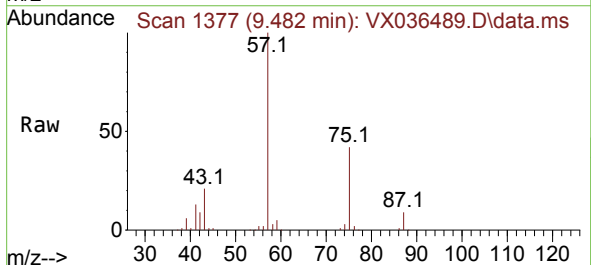
Instrument :
MSVOA_X
ClientSampleId :
ETGI-330

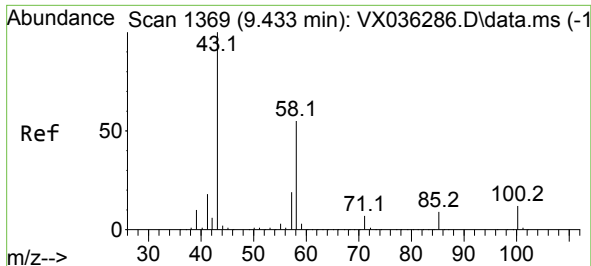
Tgt Ion: 75 Resp: 30397
Ion Ratio Lower Upper
75 100
77 0.8 25.3 37.9#
39 33.4 46.7 70.1#



#57
1,3-Dichloropropane
Concen: 0.370 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX036489.D
Acq: 10 Jul 2023 17:42

Tgt Ion: 76 Resp: 1392
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

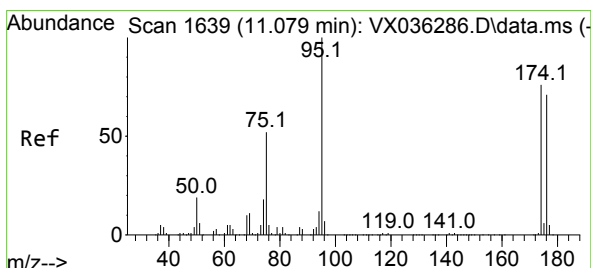
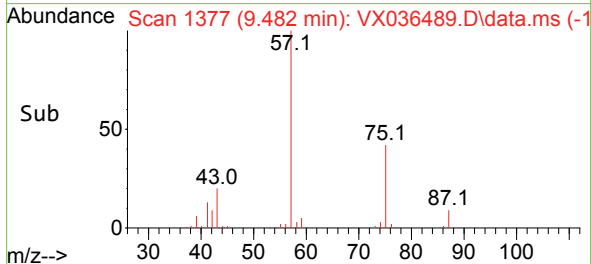
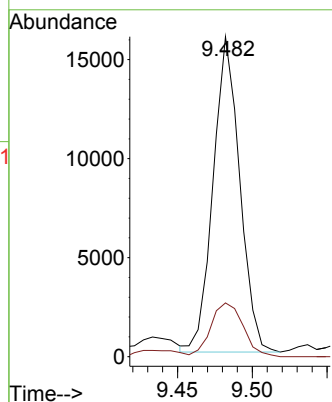
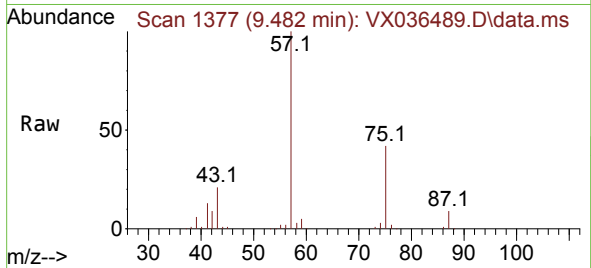




#59
2-Hexanone
Concen: 8.638 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX036489.D
Acq: 10 Jul 2023 17:42

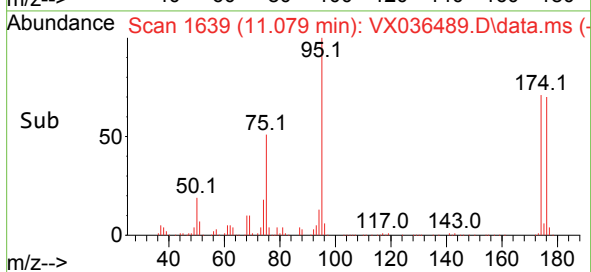
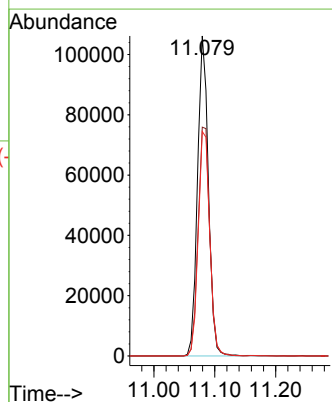
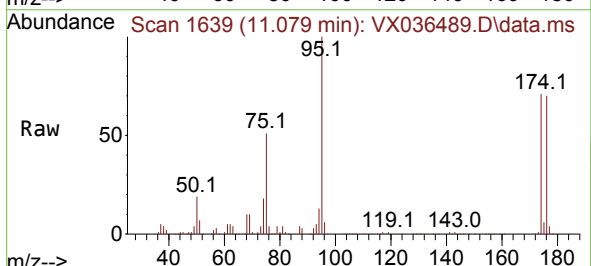
Instrument :
MSVOA_X
ClientSampleId :
ETGI-330

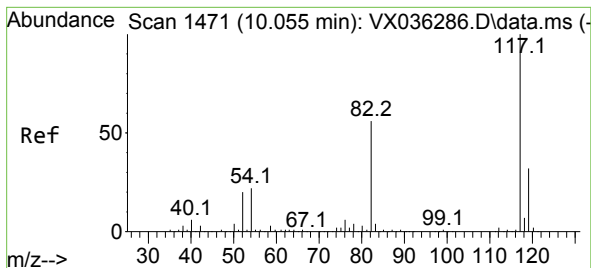
Tgt Ion: 43 Resp: 19712
Ion Ratio Lower Upper
43 100
58 20.6 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 49.841 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036489.D
Acq: 10 Jul 2023 17:42

Tgt Ion: 95 Resp: 131230
Ion Ratio Lower Upper
95 100
174 76.7 0.0 135.6
176 74.3 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX036489.D

Acq: 10 Jul 2023 17:42

Instrument :

MSVOA_X

ClientSampleId :

ETGI-330

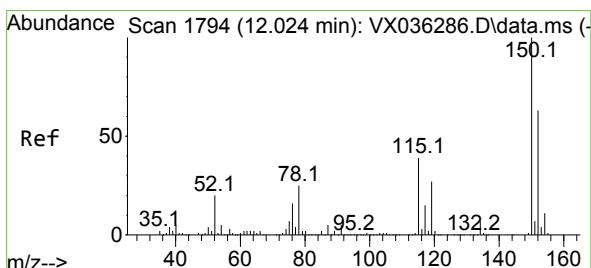
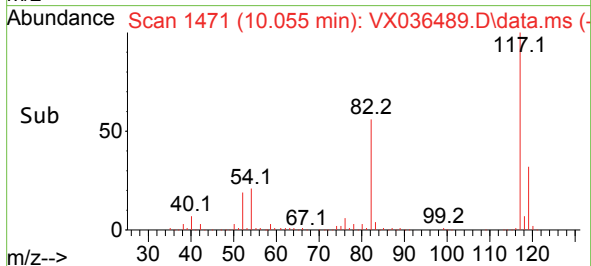
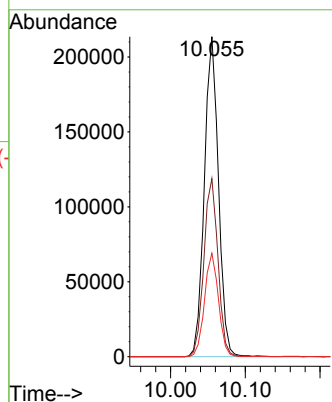
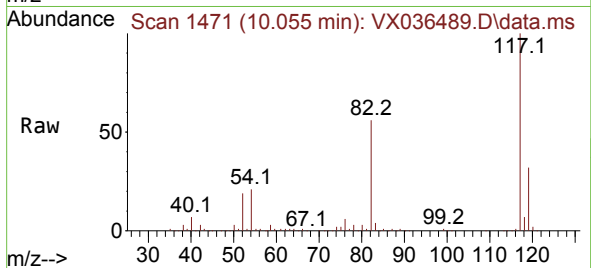
Tgt Ion:117 Resp: 279714

Ion Ratio Lower Upper

117 100

82 55.7 46.2 69.4

119 32.3 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX036489.D

Acq: 10 Jul 2023 17:42

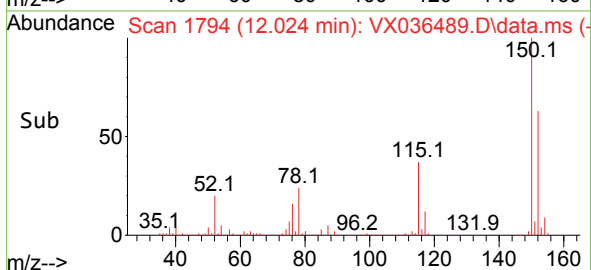
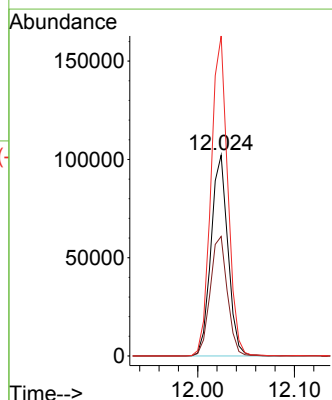
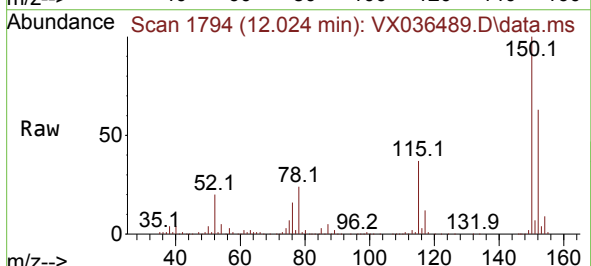
Tgt Ion:152 Resp: 124319

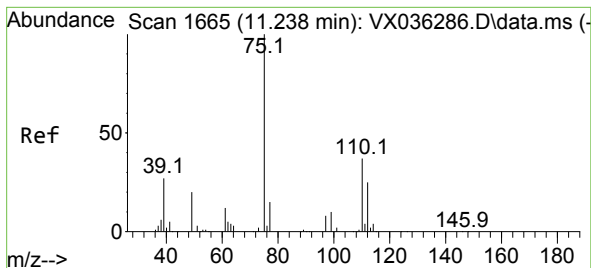
Ion Ratio Lower Upper

152 100

115 60.5 43.3 129.9

150 157.9 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 25.566 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036489.D

Acq: 10 Jul 2023 17:42

Instrument :

MSVOA_X

ClientSampleId :

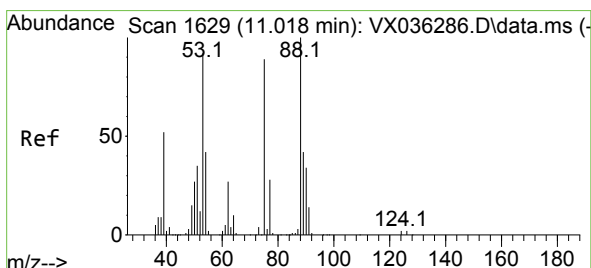
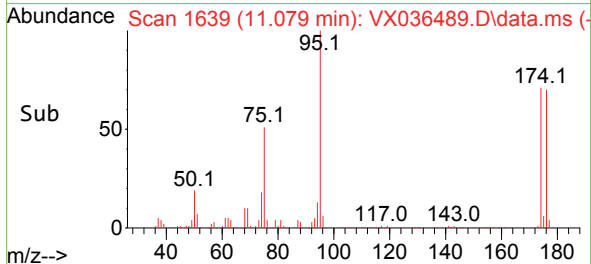
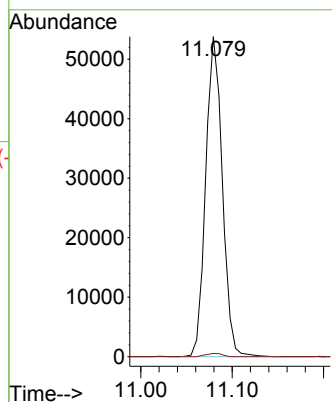
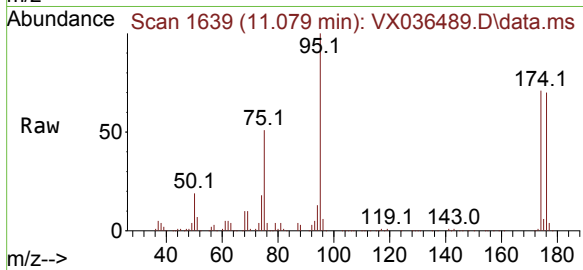
ETGI-330

Tgt Ion: 75 Resp: 67795

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 83.339 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036489.D

Acq: 10 Jul 2023 17:42

Tgt Ion: 75 Resp: 67795

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

