

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050523\
 Data File : VX035544.D
 Acq On : 05 May 2023 18:21
 Operator : JC/MD
 Sample : 02598-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ETGI-328

Quant Time: May 08 00:52:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

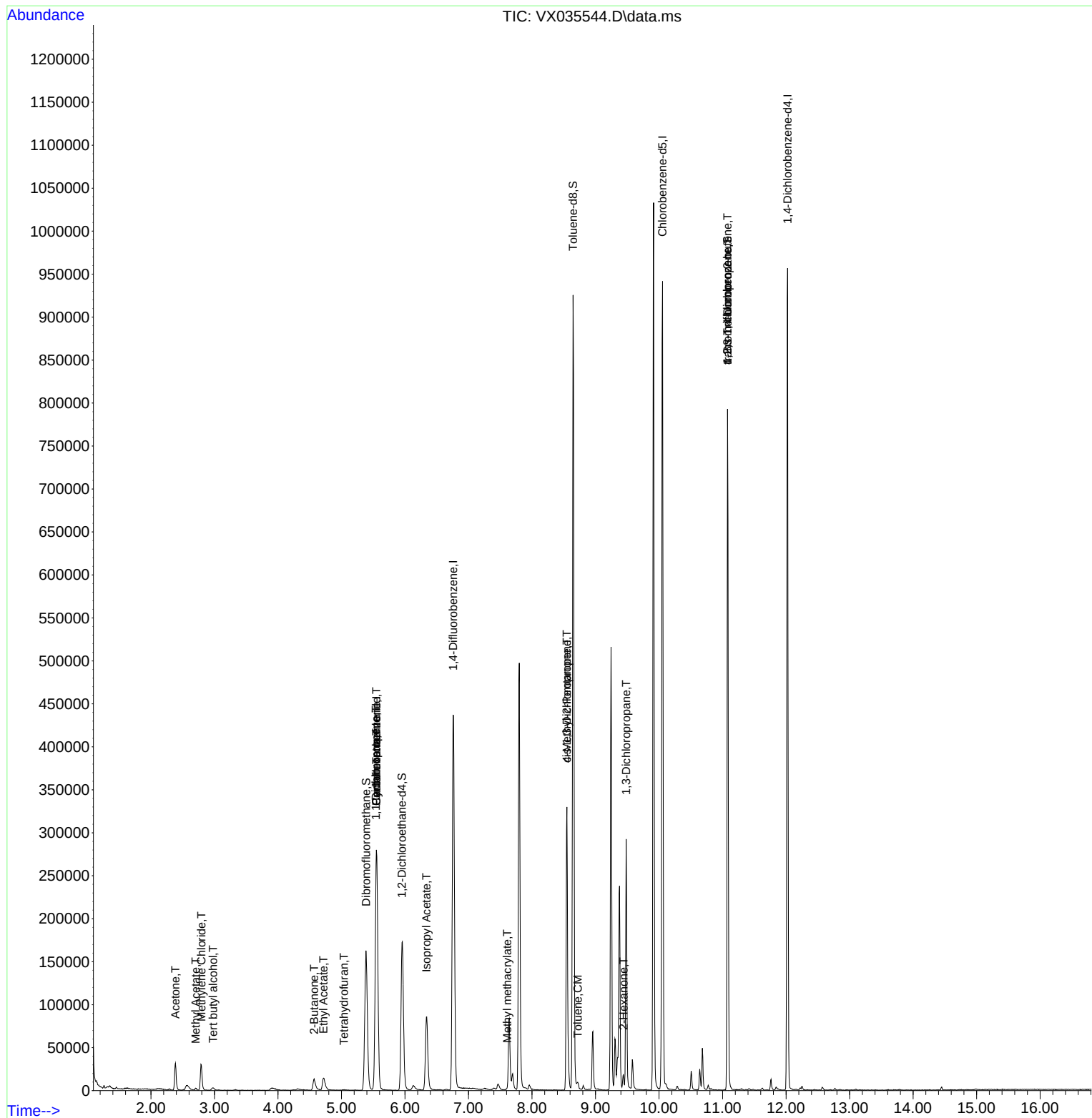
Internal Standards						
1) Pentafluorobenzene	5.550	168	276689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	462140	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	430563	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	206201	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	170263	51.006	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.020%			
35) Dibromofluoromethane	5.385	113	144547	50.960	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.920%			
50) Toluene-d8	8.647	98	544394	50.877	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.760%			
62) 4-Bromofluorobenzene	11.079	95	212389	52.765	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.520%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.977	59	4797	7.892	ug/l #	88
16) Acetone	2.386	43	35911	24.770	ug/l	97
18) Methyl Acetate	2.703	43	2362	0.421	ug/l #	81
20) Methylene Chloride	2.794	84	14161	4.260	ug/l	98
25) 2-Butanone	4.568	43	24721	11.682	ug/l	95
29) Tetrahydrofuran	5.038	42	434	0.320	ug/l #	59
31) Cyclohexane	5.550	56	5019	1.060	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	20191	4.559	ug/l #	51
37) Ethyl Acetate	4.715	43	27278	6.743	ug/l	97
38) Carbon Tetrachloride	5.550	117	27793	6.610	ug/l #	15
43) Isopropyl Acetate	6.336	43	121508	17.876	ug/l	97
48) Methyl methacrylate	7.610	41	2303	0.691	ug/l #	15
51) 4-Methyl-2-Pentanone	8.549	43	114147	27.334	ug/l #	53
52) Toluene	8.720	92	2410	0.299	ug/l	99
54) cis-1,3-Dichloropropene	8.549	75	54717	11.438	ug/l #	56
57) 1,3-Dichloropropane	9.482	76	2544	0.463	ug/l #	42
59) 2-Hexanone	9.439	43	10462	3.335	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	105093	25.550	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	105093	82.751	ug/l #	8

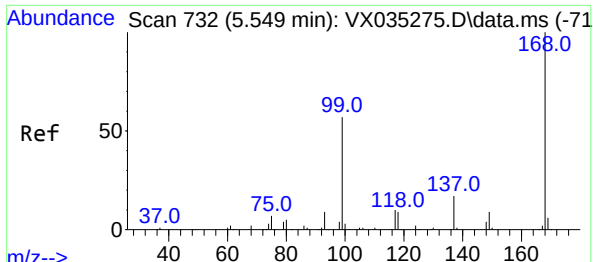
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ETGI-328

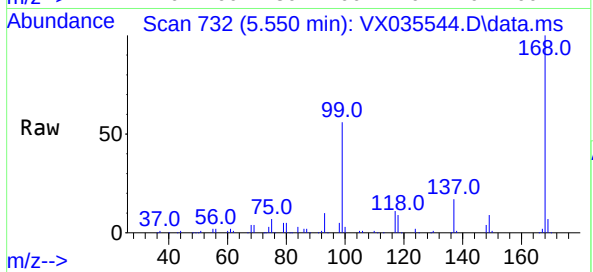
Quant Time: May 08 00:52:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
Quant Title : SW846 8260
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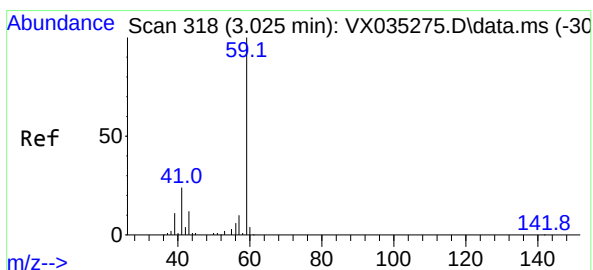
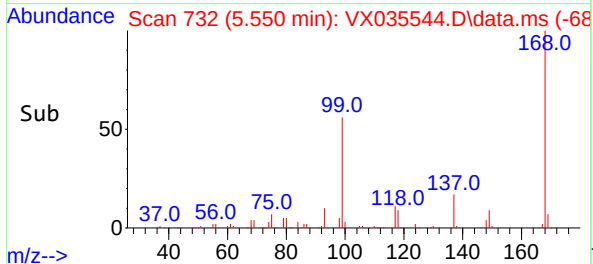
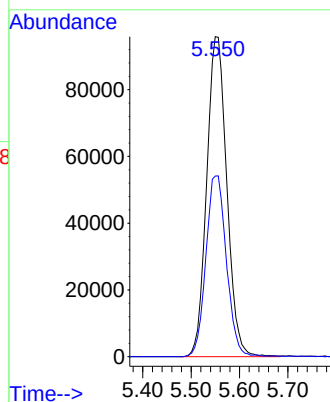


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX035544.D
Acq: 05 May 2023 18:21

Instrument :
MSVOA_X
ClientSampleId :
ETGI-328

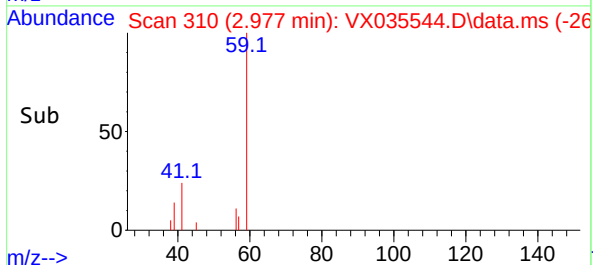
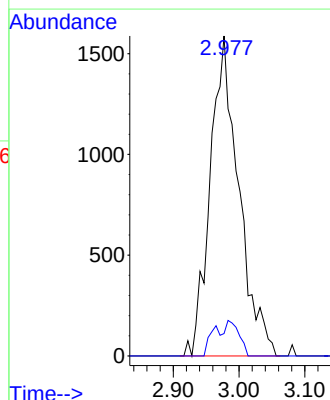
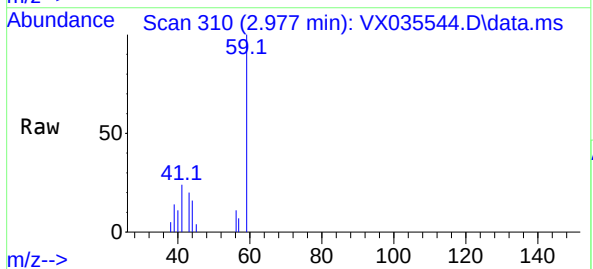


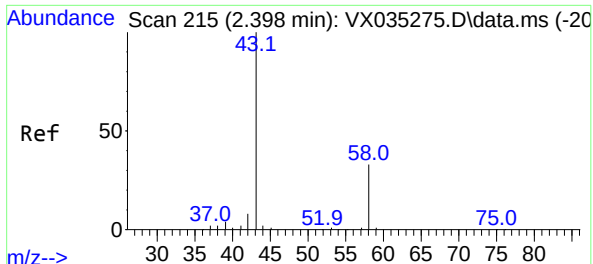
Tgt Ion:168 Resp: 276689
Ion Ratio Lower Upper
168 100
99 56.5 45.7 68.5



#11
Tert butyl alcohol
Concen: 7.892 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.048 min
Lab File: VX035544.D
Acq: 05 May 2023 18:21

Tgt Ion: 59 Resp: 4797
Ion Ratio Lower Upper
59 100
57 5.7 8.1 12.1#

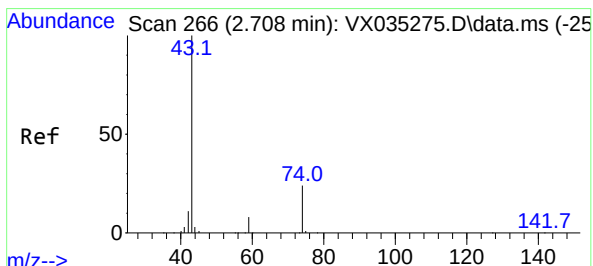
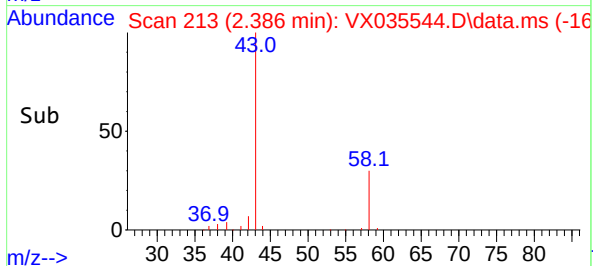
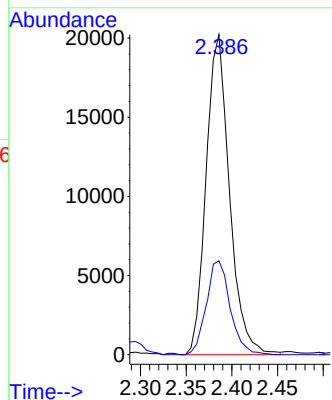
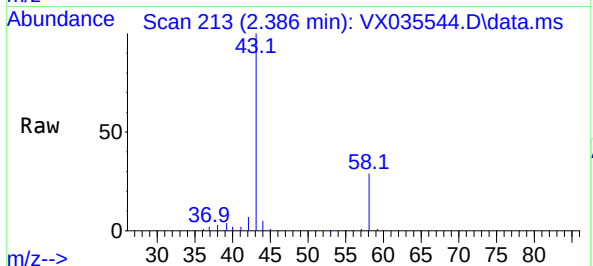




#16
Acetone
Concen: 24.770 ug/l
RT: 2.386 min Scan# 215
Delta R.T. -0.012 min
Lab File: VX035544.D
Acq: 05 May 2023 18:21

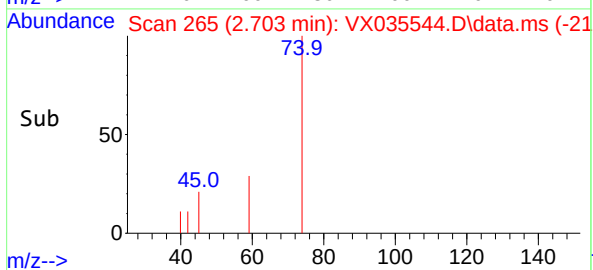
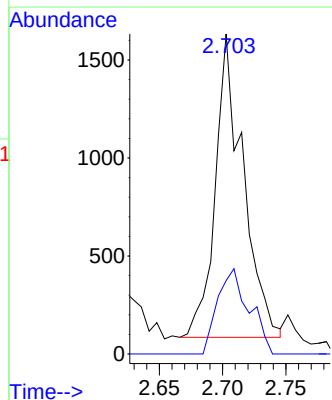
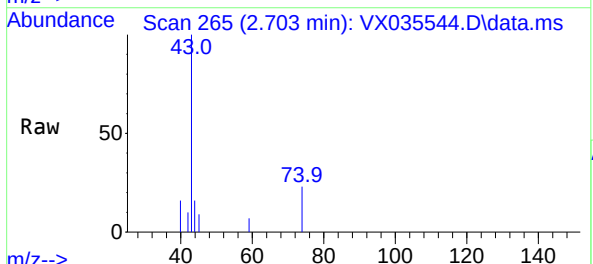
Instrument :
MSVOA_X
ClientSampleId :
ETGI-328

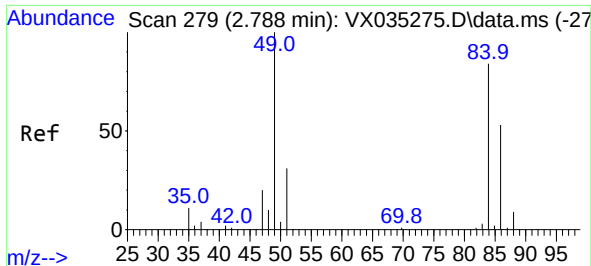
Tgt Ion: 43 Resp: 35911
Ion Ratio Lower Upper
43 100
58 29.4 24.7 37.1



#18
Methyl Acetate
Concen: 0.421 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.005 min
Lab File: VX035544.D
Acq: 05 May 2023 18:21

Tgt Ion: 43 Resp: 2362
Ion Ratio Lower Upper
43 100
74 31.9 18.3 27.5#





#20

Methylene Chloride

Concen: 4.260 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX035544.D

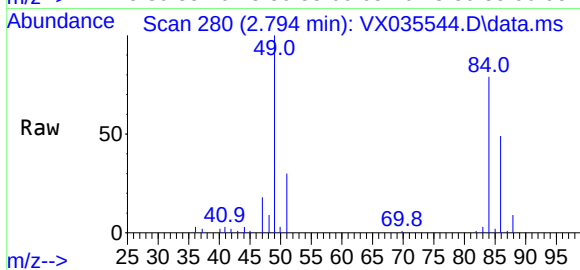
Acq: 05 May 2023 18:21

Instrument :

MSVOA_X

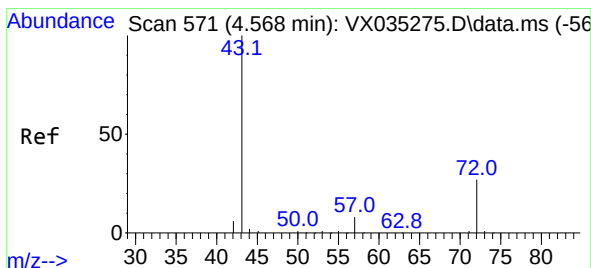
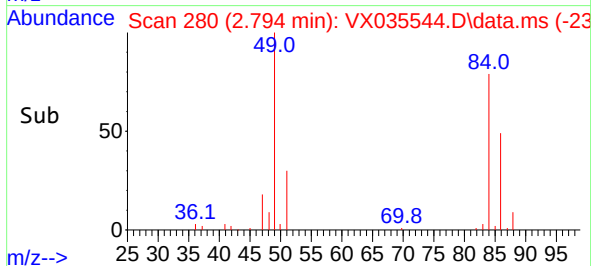
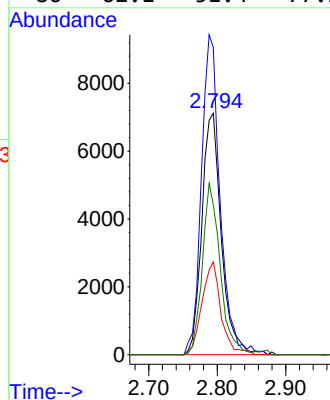
ClientSampleId :

ETGI-328



Tgt Ion: 84 Resp: 14161

Ion	Ratio	Lower	Upper
84	100		
49	127.2	103.8	155.8
51	38.4	31.8	47.8
86	62.1	51.4	77.2



#25

2-Butanone

Concen: 11.682 ug/l

RT: 4.568 min Scan# 571

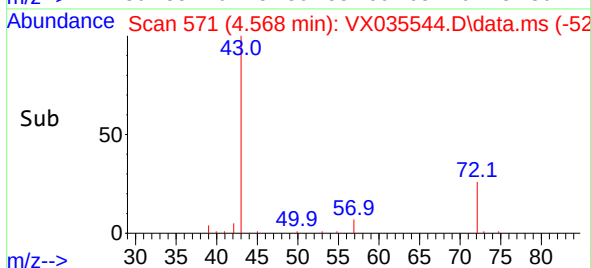
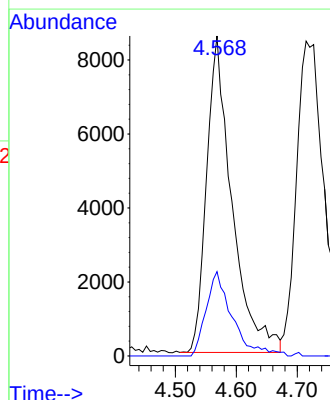
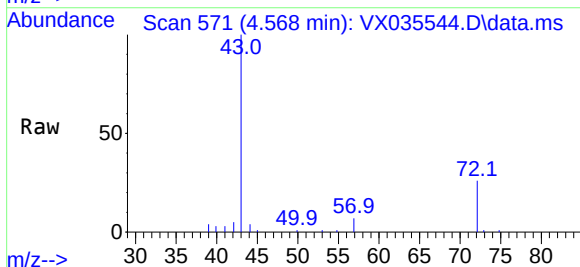
Delta R.T. 0.000 min

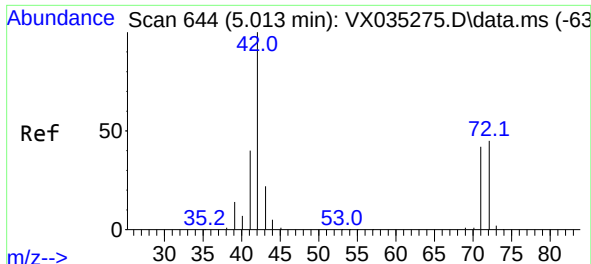
Lab File: VX035544.D

Acq: 05 May 2023 18:21

Tgt Ion: 43 Resp: 24721

Ion	Ratio	Lower	Upper
43	100		
72	26.6	19.3	28.9





#29

Tetrahydrofuran

Concen: 0.320 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.025 min

Lab File: VX035544.D

Acq: 05 May 2023 18:21

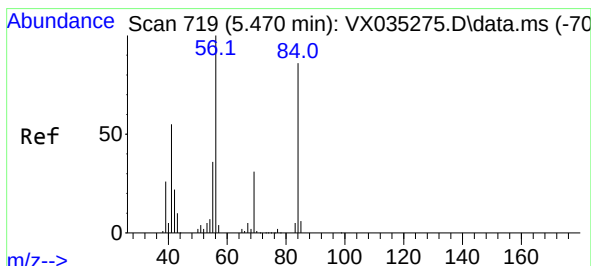
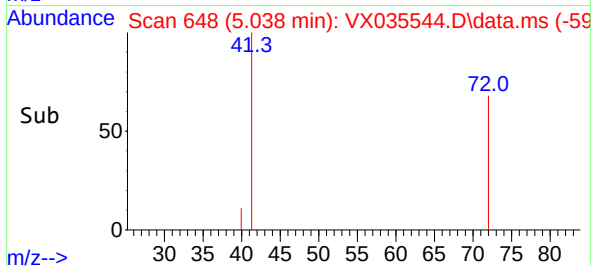
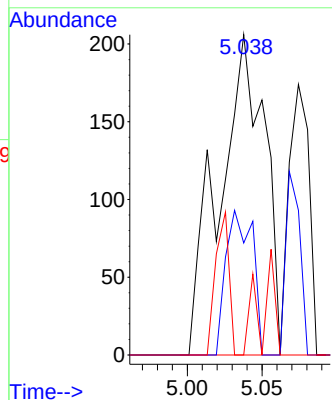
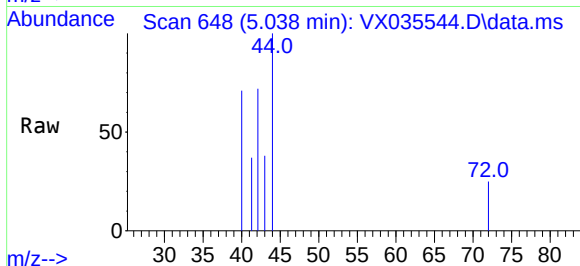
Instrument :

MSVOA_X

ClientSampleId :

ETGI-328

Tgt Ion:	42	Resp:	434
Ion	Ratio	Lower	Upper
42	100		
72	26.5	34.5	51.7#
71	4.4	32.1	48.1#



#31

Cyclohexane

Concen: 1.060 ug/l

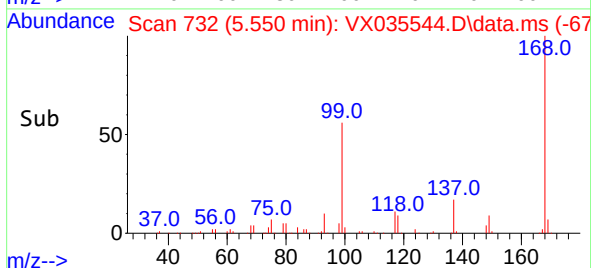
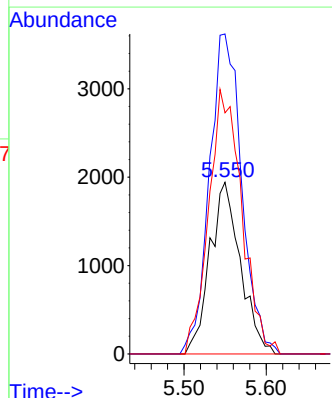
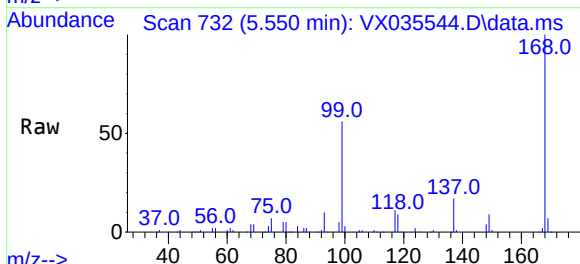
RT: 5.550 min Scan# 732

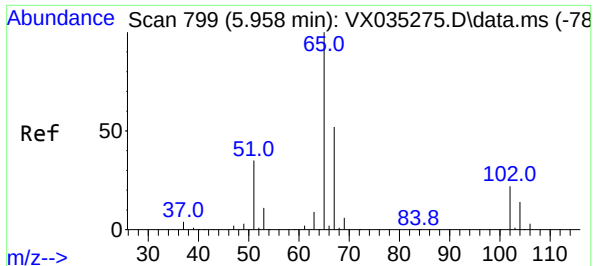
Delta R.T. 0.080 min

Lab File: VX035544.D

Acq: 05 May 2023 18:21

Tgt Ion:	56	Resp:	5019
Ion	Ratio	Lower	Upper
56	100		
69	186.5	23.7	35.5#
84	140.5	68.5	102.7#





#33

1,2-Dichloroethane-d4

Concen: 51.006 ug/l

RT: 5.952 min Scan# 79

Delta R.T. -0.006 min

Lab File: VX035544.D

Acq: 05 May 2023 18:21

Instrument :

MSVOA_X

ClientSampleId :

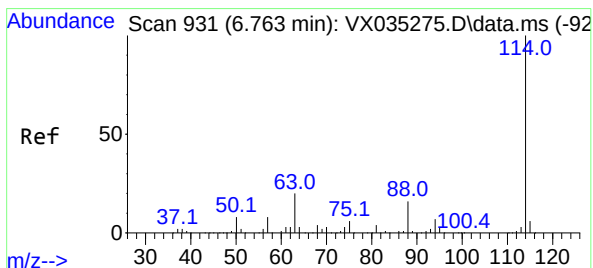
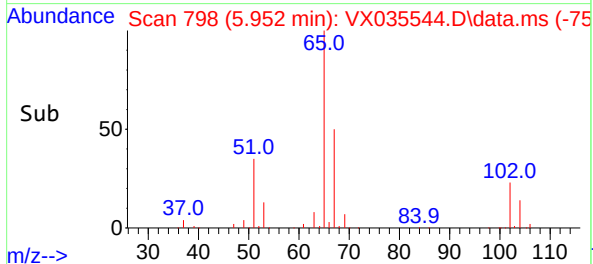
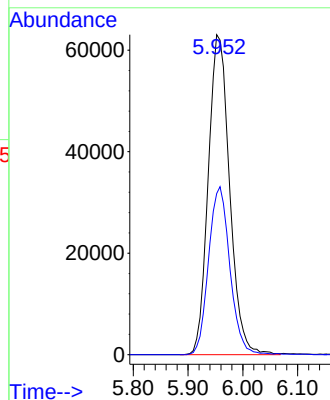
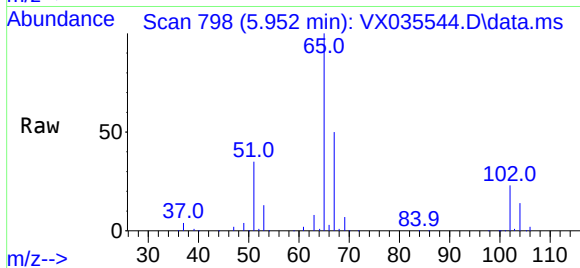
ETGI-328

Tgt Ion: 65 Resp: 170263

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX035544.D

Acq: 05 May 2023 18:21

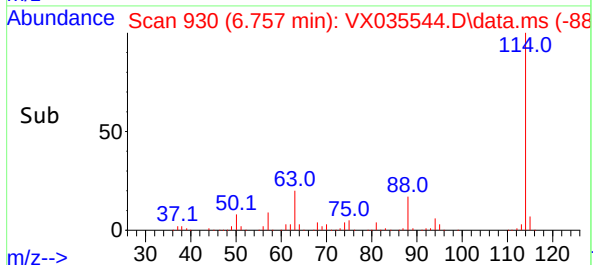
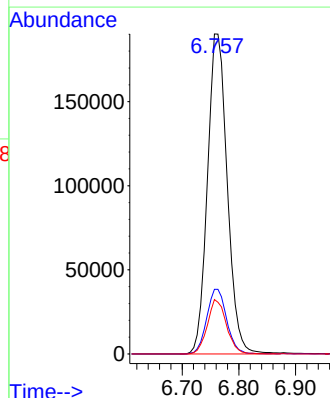
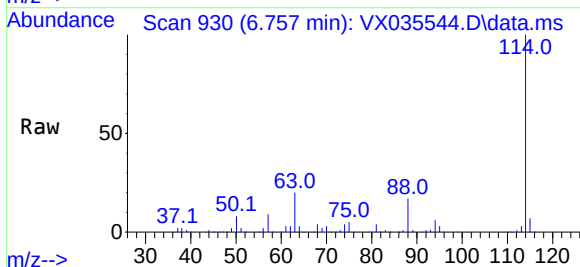
Tgt Ion: 114 Resp: 462140

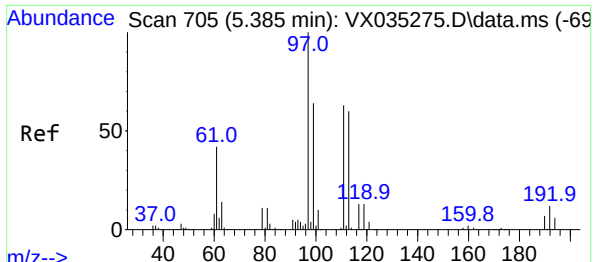
Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.2

88 17.0 0.0 33.2

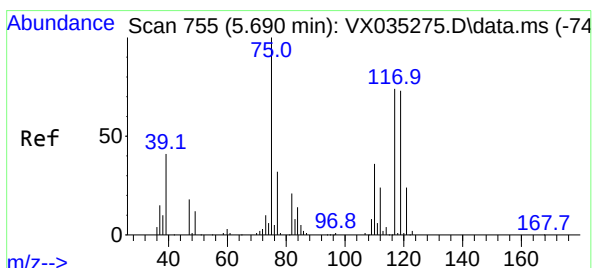
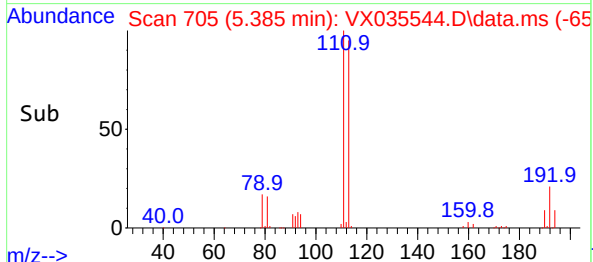
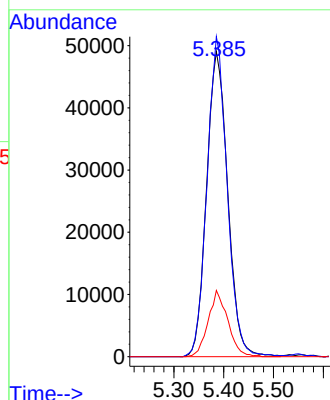
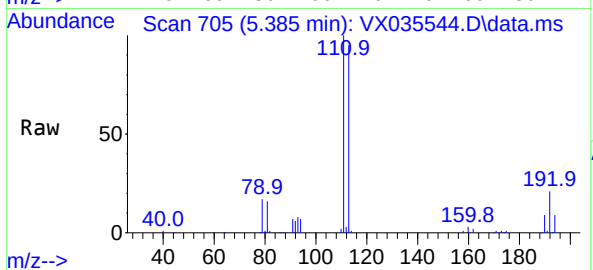




#35
Dibromofluoromethane
Concen: 50.960 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035544.D
Acq: 05 May 2023 18:21

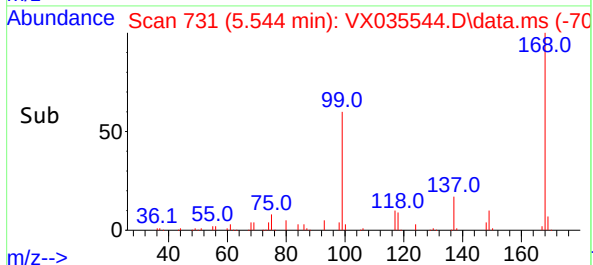
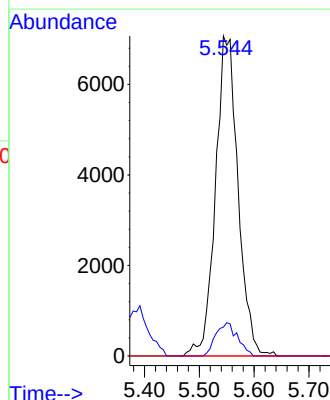
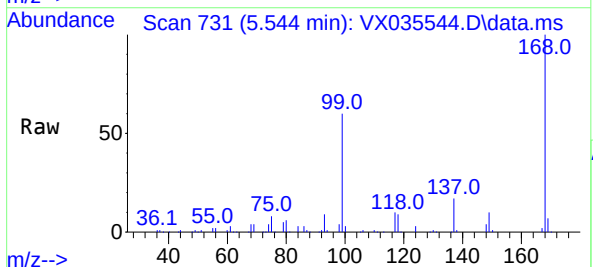
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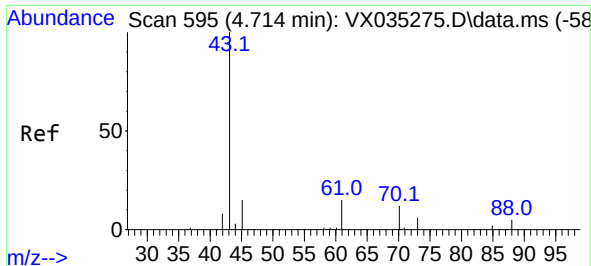
Tgt Ion:113 Resp: 144547
Ion Ratio Lower Upper
113 100
111 100.4 83.7 125.5
192 20.2 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.559 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX035544.D
Acq: 05 May 2023 18:21

Tgt Ion: 75 Resp: 20191
Ion Ratio Lower Upper
75 100
110 10.0 17.5 52.5#
77 0.0 24.3 36.5#

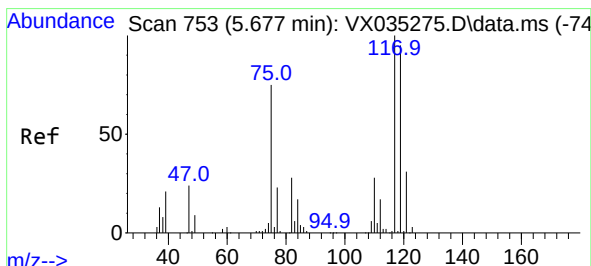
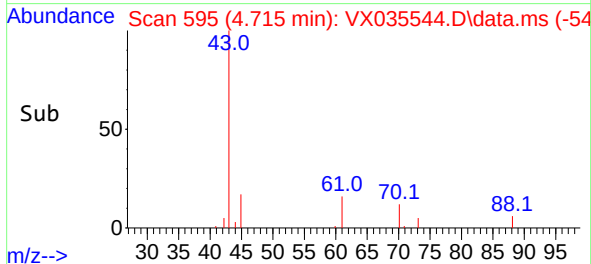
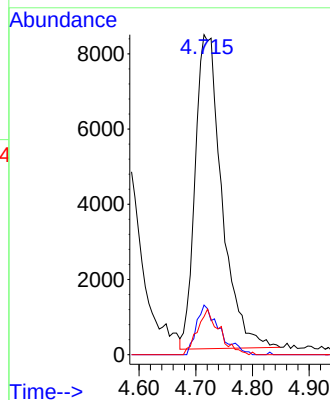
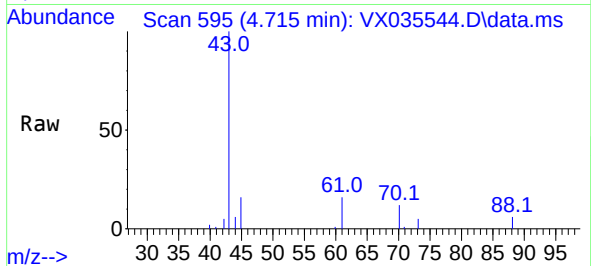




#37
Ethyl Acetate
Concen: 6.743 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.001 min
Lab File: VX035544.D
Acq: 05 May 2023 18:21

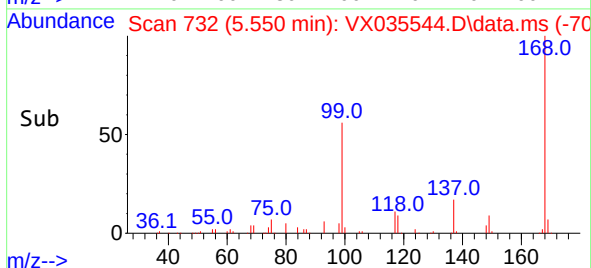
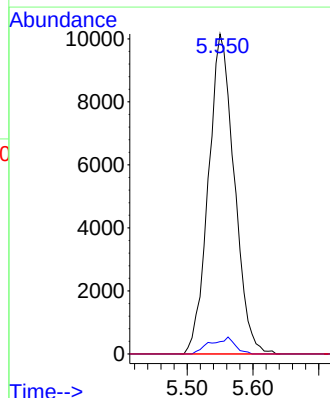
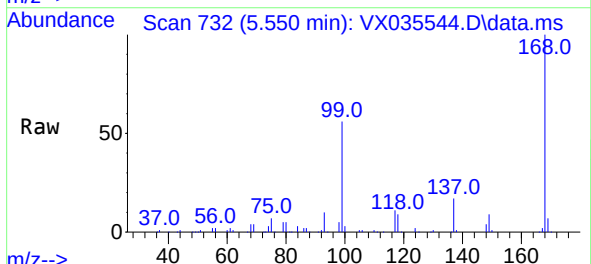
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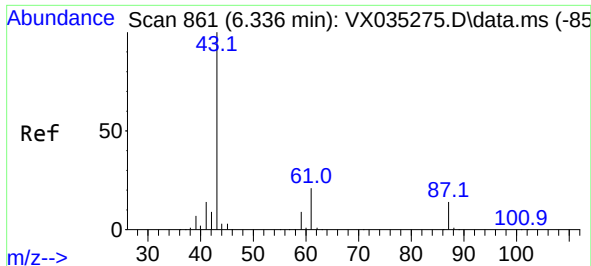
Tgt Ion:	43	Resp:	27278
Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.2	15.4
70	12.0	8.2	12.4



#38
Carbon Tetrachloride
Concen: 6.610 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.127 min
Lab File: VX035544.D
Acq: 05 May 2023 18:21

Tgt Ion:	117	Resp:	27793
Ion	Ratio	Lower	Upper
117	100		
119	3.9	76.6	114.8#
121	0.0	23.8	35.6#

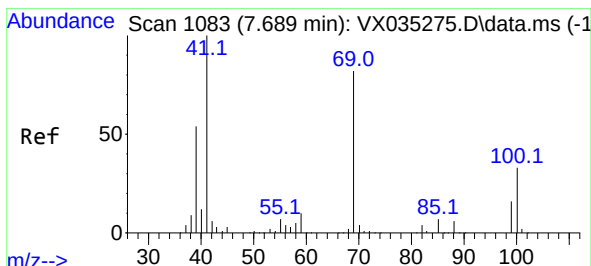
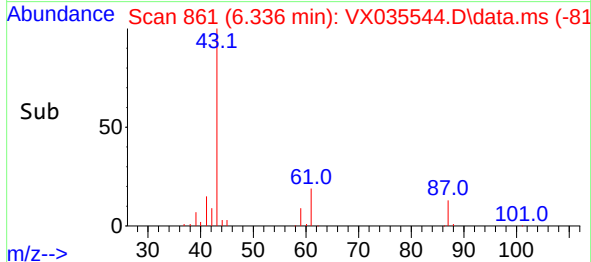
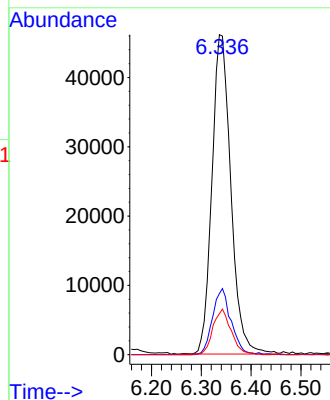
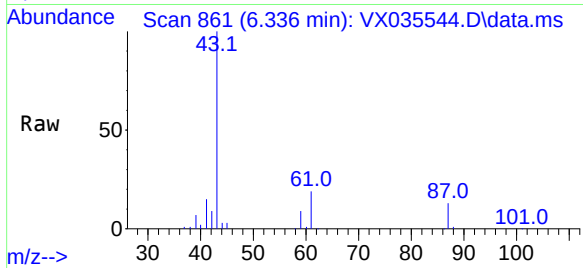




#43
Isopropyl Acetate
Concen: 17.876 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX035544.D
Acq: 05 May 2023 18:21

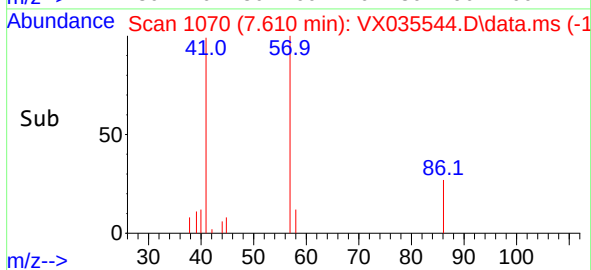
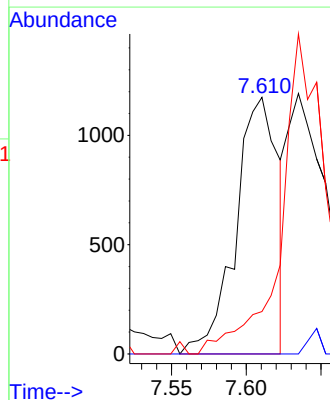
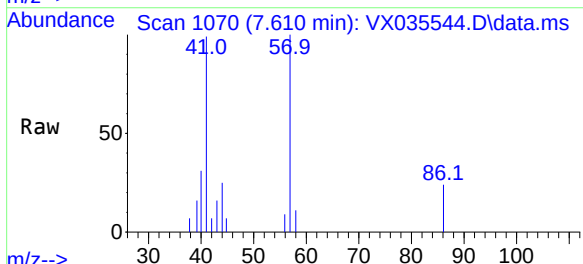
Instrument :
MSVOA_X
ClientSampleId :
ETGI-328

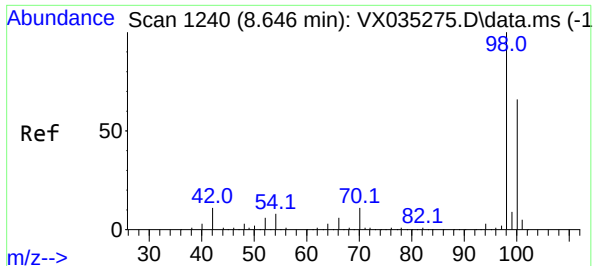
Tgt Ion: 43 Resp: 121508
Ion Ratio Lower Upper
43 100
61 20.3 15.2 22.8
87 13.7 9.8 14.8



#48
Methyl methacrylate
Concen: 0.691 ug/l
RT: 7.610 min Scan# 1070
Delta R.T. -0.079 min
Lab File: VX035544.D
Acq: 05 May 2023 18:21

Tgt Ion: 41 Resp: 2303
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.4#
39 0.0 47.7 71.5#





#50

Toluene-d8

Concen: 50.877 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.001 min

Lab File: VX035544.D

Acq: 05 May 2023 18:21

Instrument :

MSVOA_X

ClientSampleId :

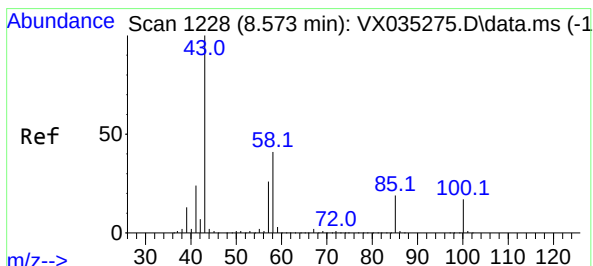
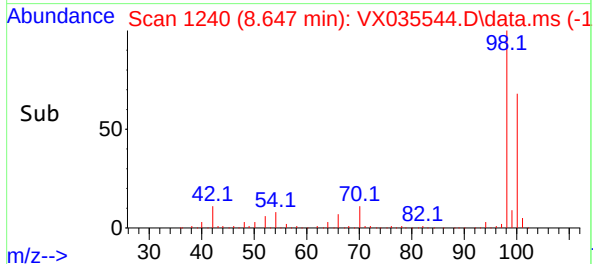
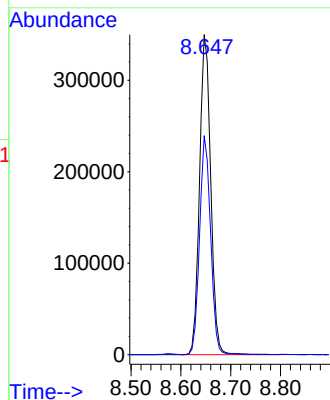
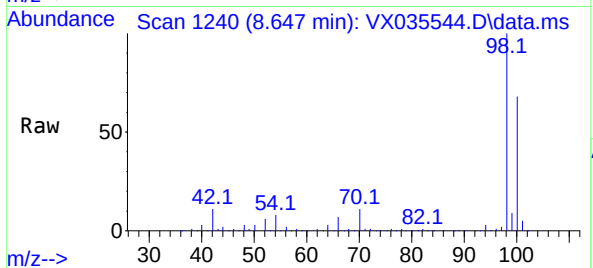
ETGI-328

Tgt Ion: 98 Resp: 544394

Ion Ratio Lower Upper

98 100

100 67.7 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 27.334 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.024 min

Lab File: VX035544.D

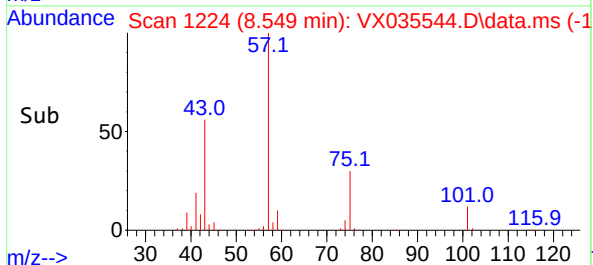
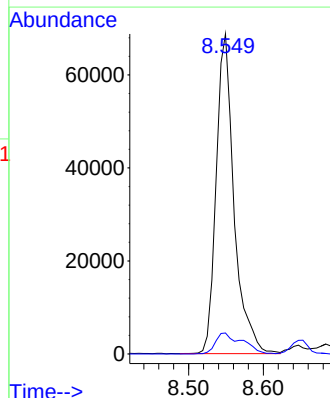
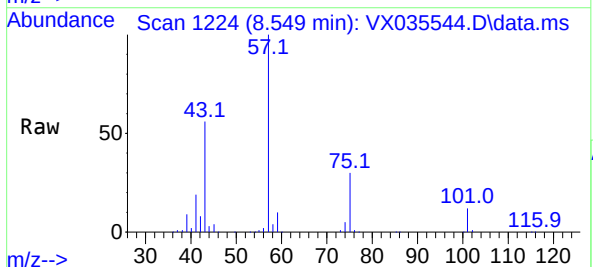
Acq: 05 May 2023 18:21

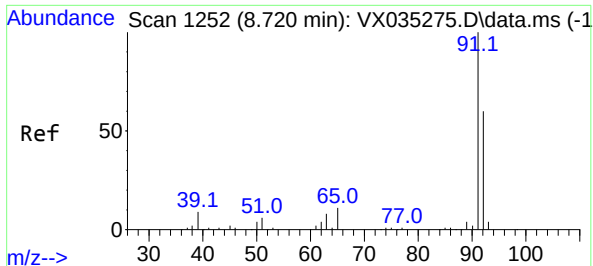
Tgt Ion: 43 Resp: 114147

Ion Ratio Lower Upper

43 100

58 9.9 30.6 46.0#

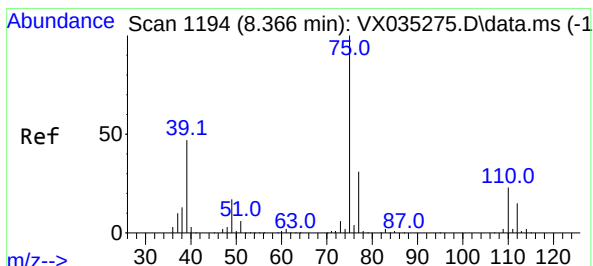
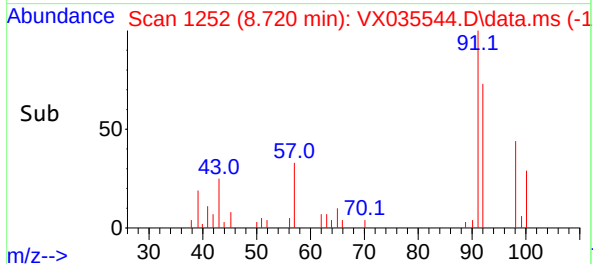
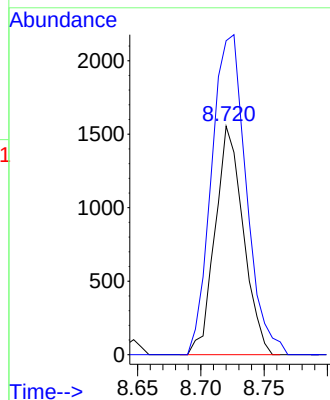
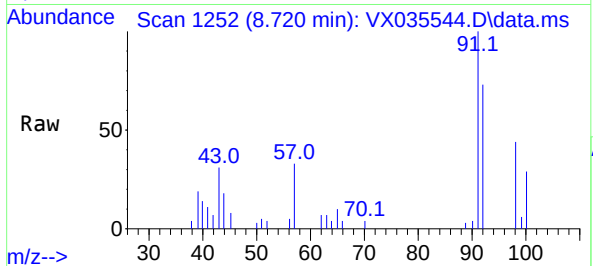




#52
Toluene
Concen: 0.299 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035544.D
Acq: 05 May 2023 18:21

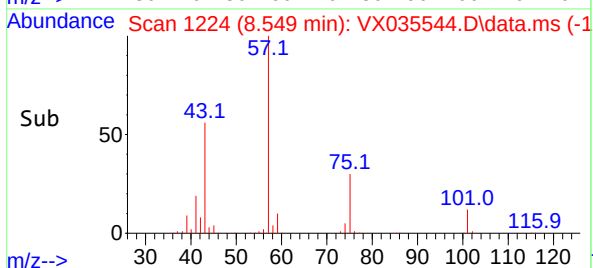
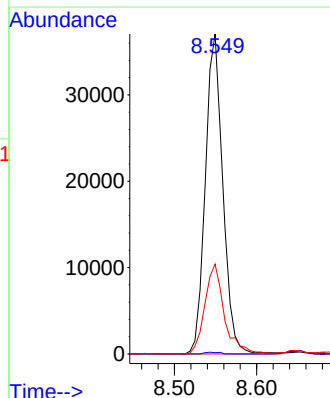
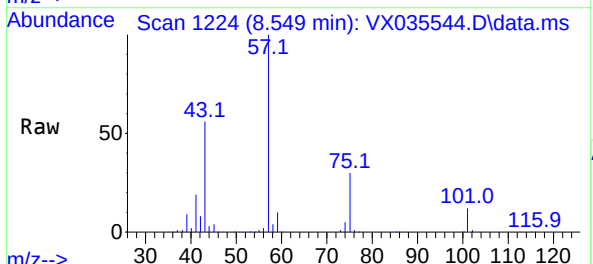
Instrument :
MSVOA_X
ClientSampleId :
ETGI-328

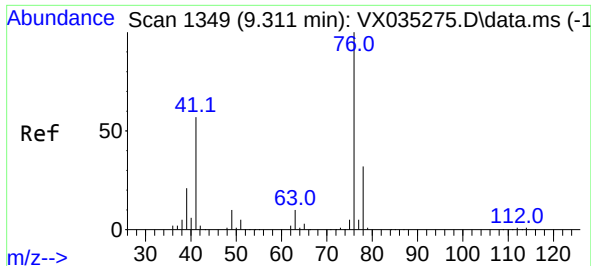
Tgt Ion: 92 Resp: 2410
Ion Ratio Lower Upper
92 100
91 172.2 136.8 205.2



#54
cis-1,3-Dichloropropene
Concen: 11.438 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX035544.D
Acq: 05 May 2023 18:21

Tgt Ion: 75 Resp: 54717
Ion Ratio Lower Upper
75 100
77 0.4 25.0 37.4#
39 28.1 44.6 66.8#

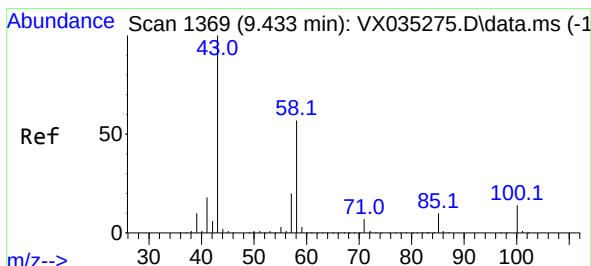
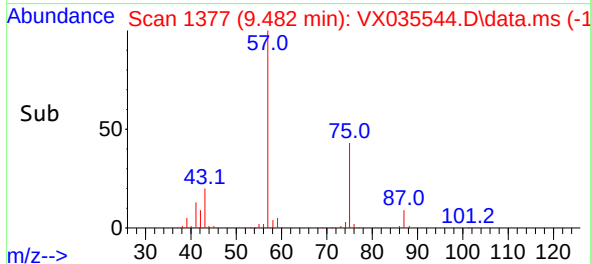
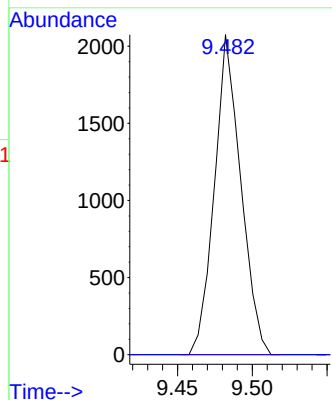
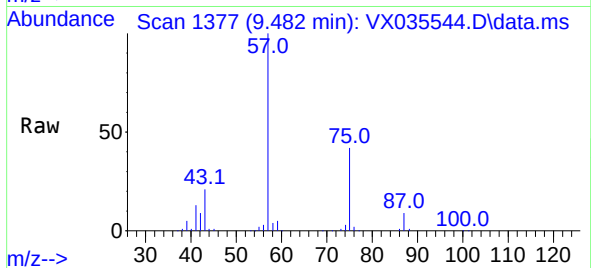




#57
1,3-Dichloropropane
Concen: 0.463 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.171 min
Lab File: VX035544.D
Acq: 05 May 2023 18:21

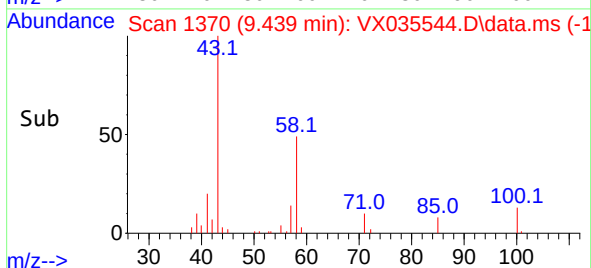
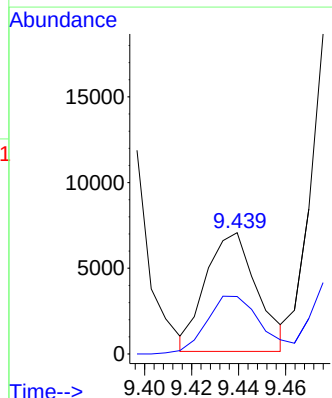
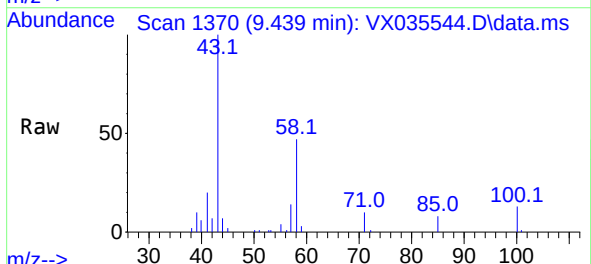
Instrument :
MSVOA_X
ClientSampleId :
ETGI-328

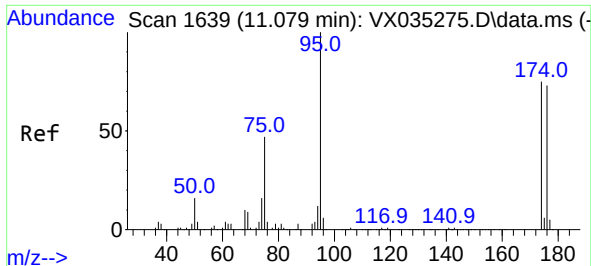
Tgt Ion: 76 Resp: 2544
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 3.335 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX035544.D
Acq: 05 May 2023 18:21

Tgt Ion: 43 Resp: 10462
Ion Ratio Lower Upper
43 100
58 53.2 26.3 78.9

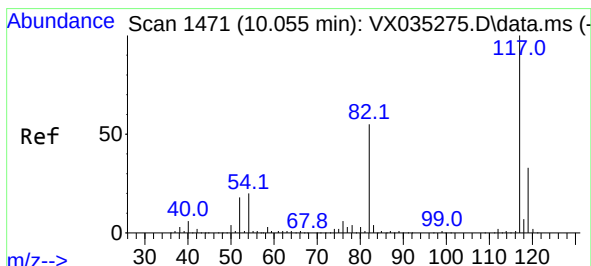
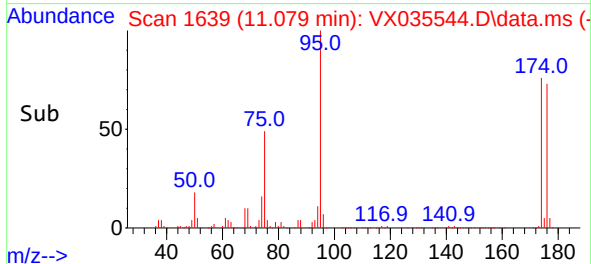
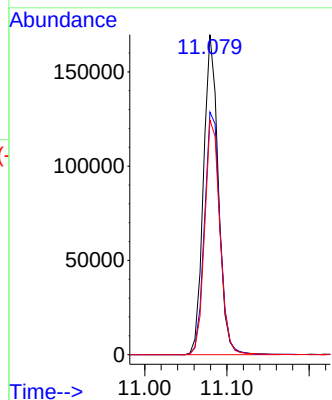
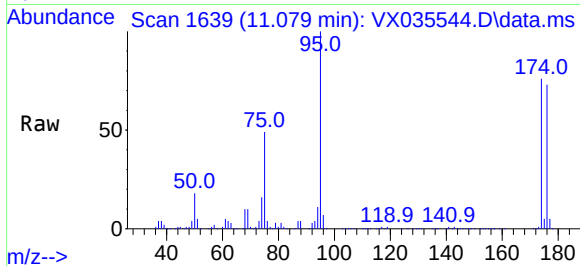




#62
4-Bromofluorobenzene
Concen: 52.765 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035544.D
Acq: 05 May 2023 18:21

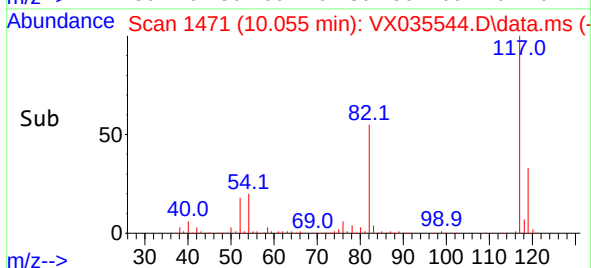
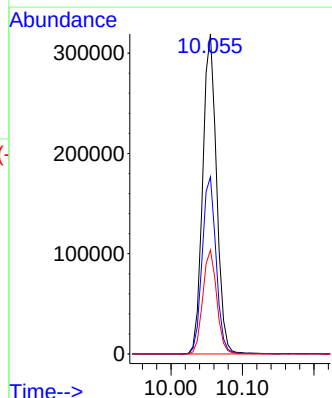
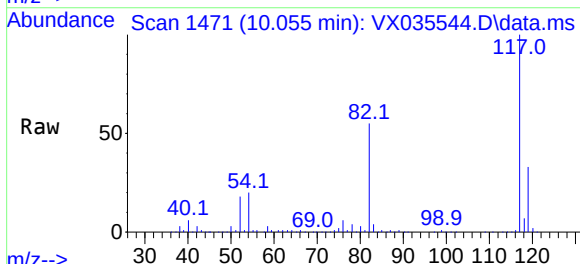
Instrument :
MSVOA_X
ClientSampleId :
ETGI-328

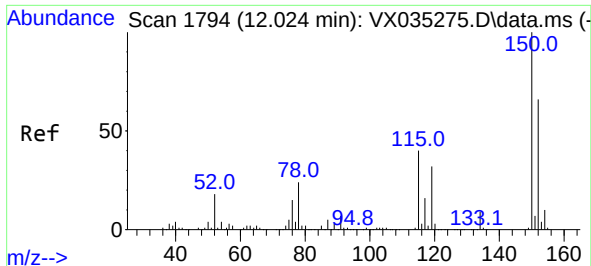
Tgt Ion: 95 Resp: 212389
Ion Ratio Lower Upper
95 100
174 79.8 0.0 147.4
176 75.4 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035544.D
Acq: 05 May 2023 18:21

Tgt Ion: 117 Resp: 430563
Ion Ratio Lower Upper
117 100
82 55.4 45.0 67.4
119 32.5 26.0 39.0

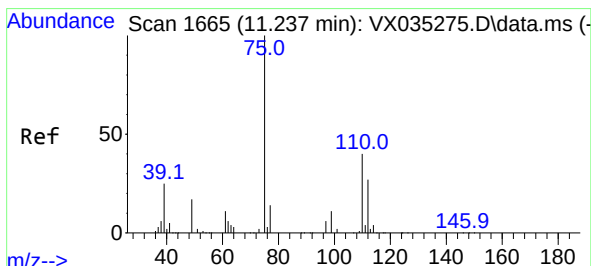
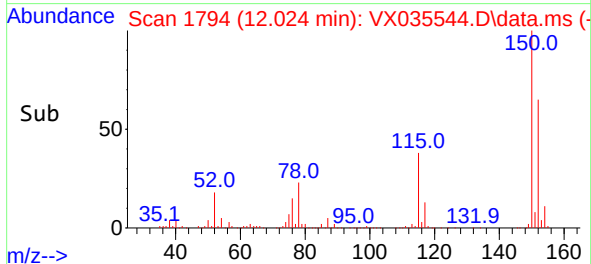
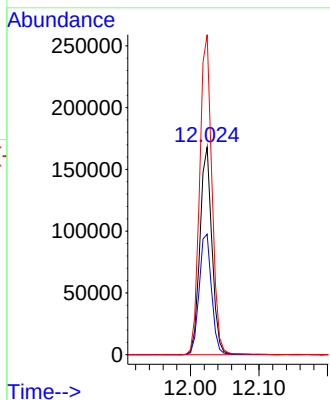
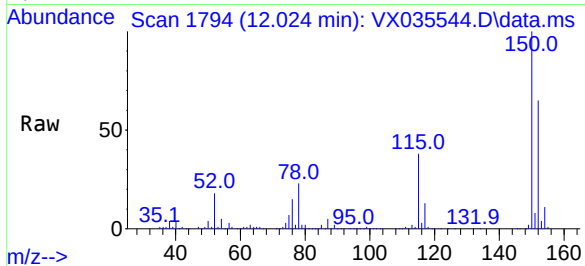




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035544.D
Acq: 05 May 2023 18:21

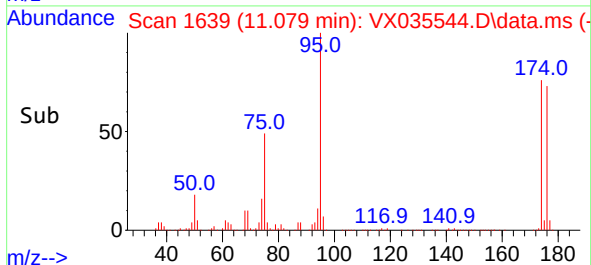
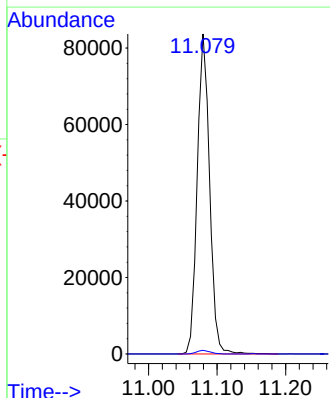
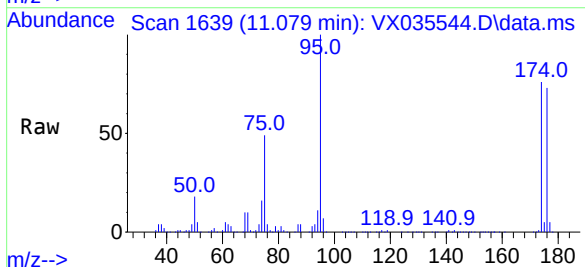
Instrument :
MSVOA_X
ClientSampleId :
ETGI-328

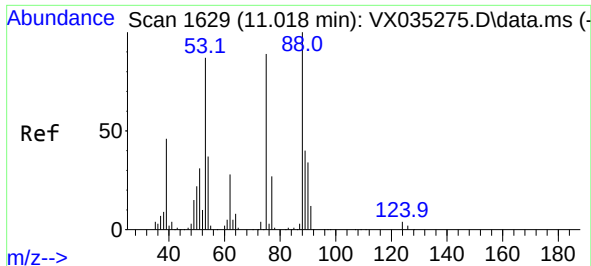
Tgt Ion:152 Resp: 206201
Ion Ratio Lower Upper
152 100
115 59.8 45.0 135.0
150 157.0 0.0 352.4



#76
1,2,3-Trichloropropane
Concen: 25.550 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX035544.D
Acq: 05 May 2023 18:21

Tgt Ion: 75 Resp: 105093
Ion Ratio Lower Upper
75 100
77 1.2 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.751 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX035544.D
 Acq: 05 May 2023 18:21

Instrument :
 MSVOA_X
 ClientSampleId :
 ETGI-328

Tgt Ion: 75 Resp: 105093
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

