

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101025\
 Data File : VY023431.D
 Acq On : 10 Oct 2025 12:06
 Operator : SY/MD
 Sample : Q3313-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

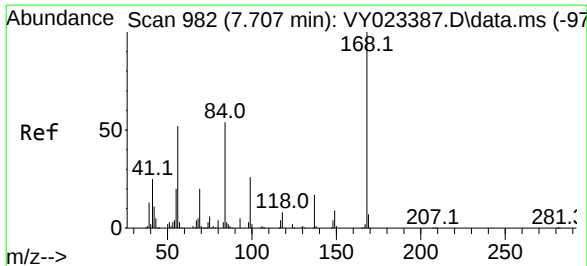
Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-360

Quant Time: Oct 10 15:37:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	198333	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	318333	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	283927	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	101699	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	87571	52.802	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.600%			
35) Dibromofluoromethane	7.634	113	113173	57.859	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.720%			
50) Toluene-d8	10.109	98	372071	51.078	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.160%			
62) 4-Bromofluorobenzene	12.408	95	94741	39.395	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 78.780%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.836	59	3329	26.981	ug/l #	76
16) Acetone	3.891	43	1087	2.753	ug/l #	76
20) Methylene Chloride	4.622	84	3177	1.488	ug/l #	84
25) 2-Butanone	6.890	43	1679	3.483	ug/l #	65
31) Cyclohexane	7.713	56	3495	1.267	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	13482	5.206	ug/l #	47
37) Ethyl Acetate	6.890	43	1679	1.637	ug/l #	1
38) Carbon Tetrachloride	7.713	117	17875	5.693	ug/l #	16
49) 1,4-Dioxane	8.988	88	22	1.657	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	47981	53.475	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	47981	131.131	ug/l #	15

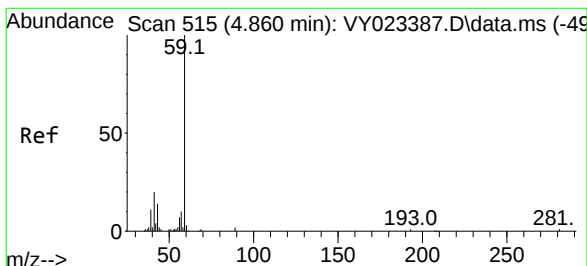
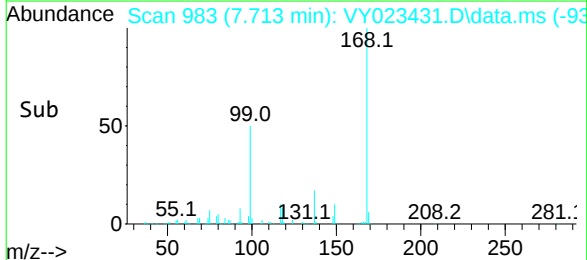
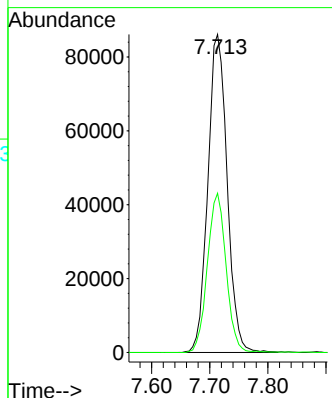
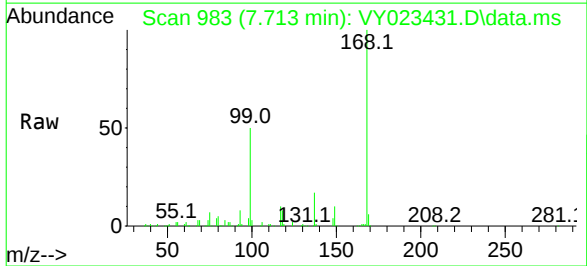
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY023431.D
Acq: 10 Oct 2025 12:06

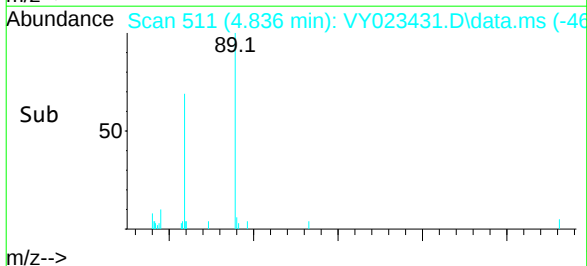
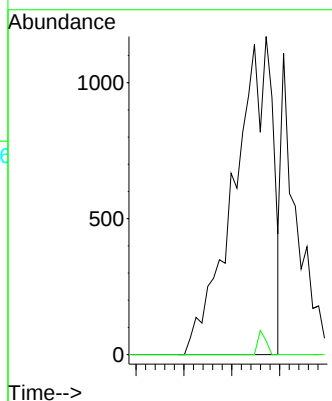
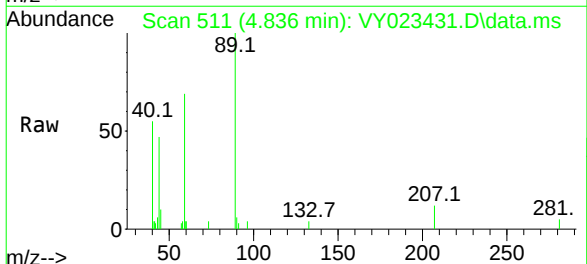
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-360

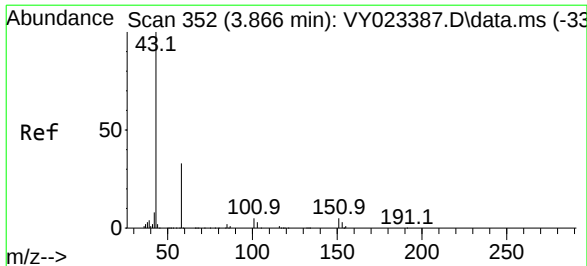
Tgt Ion:168 Resp: 198333
Ion Ratio Lower Upper
168 100
99 50.1 39.7 59.5



#11
Tert butyl alcohol
Concen: 26.981 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.024 min
Lab File: VY023431.D
Acq: 10 Oct 2025 12:06

Tgt Ion: 59 Resp: 3329
Ion Ratio Lower Upper
59 100
57 1.5 8.3 12.5#





#16

Acetone

Concen: 2.753 ug/l

RT: 3.891 min Scan# 35

Delta R.T. 0.024 min

Lab File: VY023431.D

Acq: 10 Oct 2025 12:06

Instrument :

MSVOA_Y

ClientSampleId :

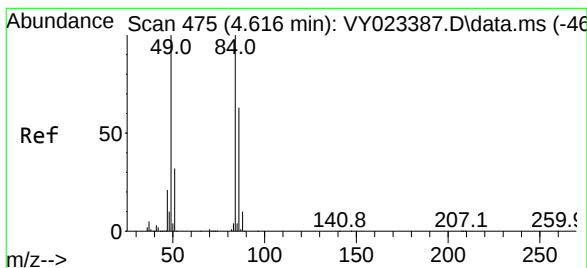
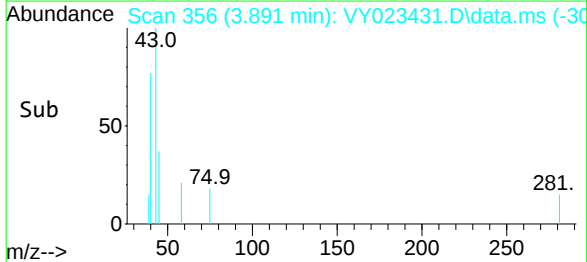
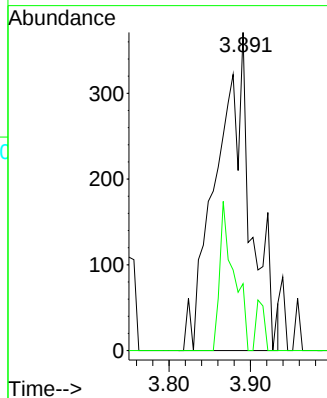
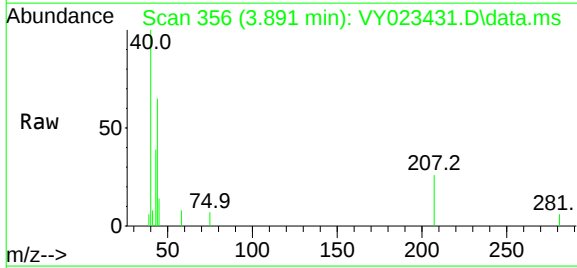
ETGI-360

Tgt Ion: 43 Resp: 1087

Ion Ratio Lower Upper

43 100

58 21.0 27.7 41.5#



#20

Methylene Chloride

Concen: 1.488 ug/l

RT: 4.622 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY023431.D

Acq: 10 Oct 2025 12:06

Tgt Ion: 84 Resp: 3177

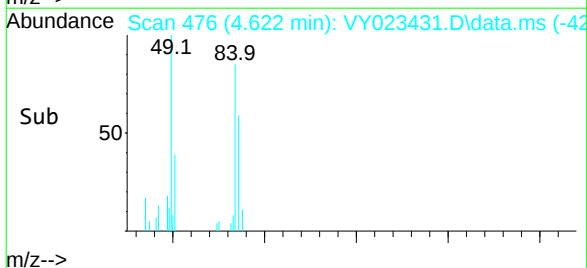
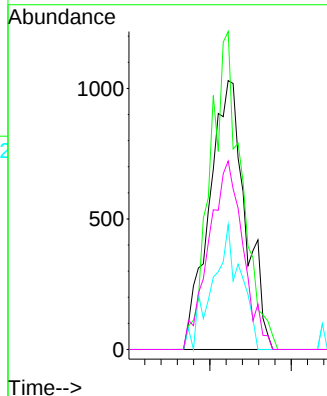
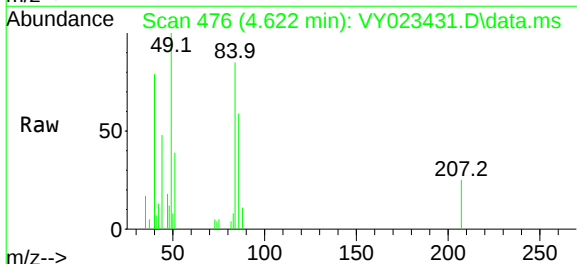
Ion Ratio Lower Upper

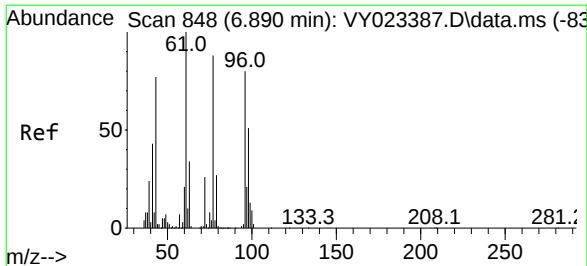
84 100

49 118.3 80.2 120.4

51 46.4 25.9 38.9#

86 70.1 50.6 75.8

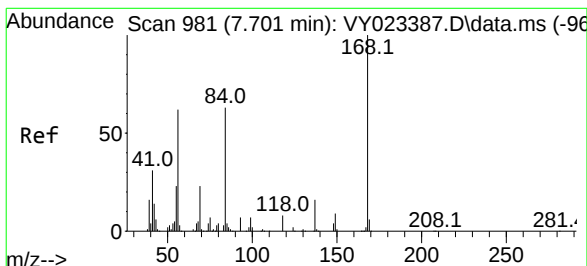
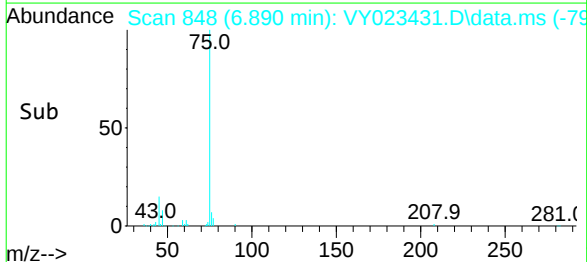
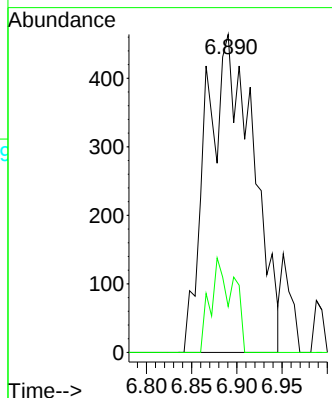
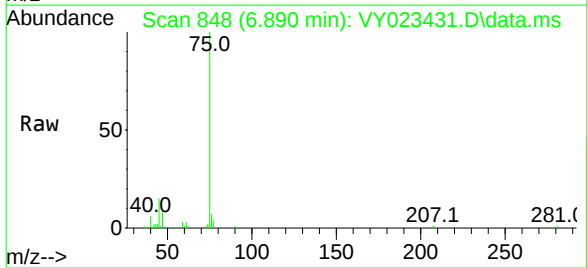




#25
2-Butanone
Concen: 3.483 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY023431.D
Acq: 10 Oct 2025 12:06

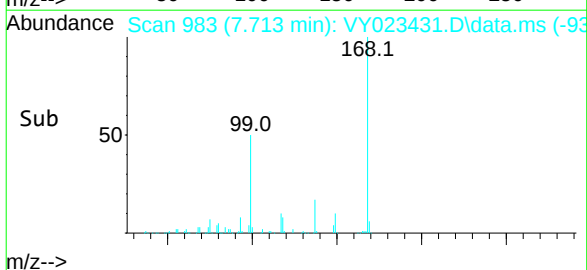
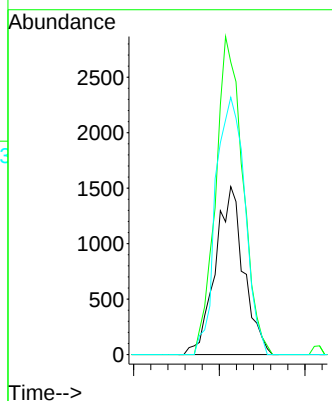
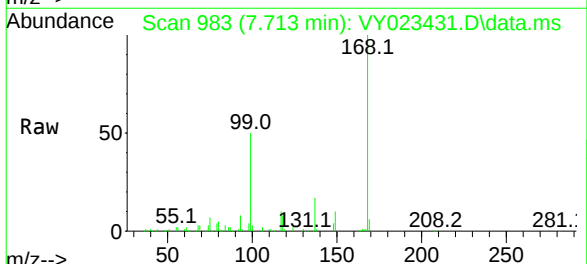
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-360

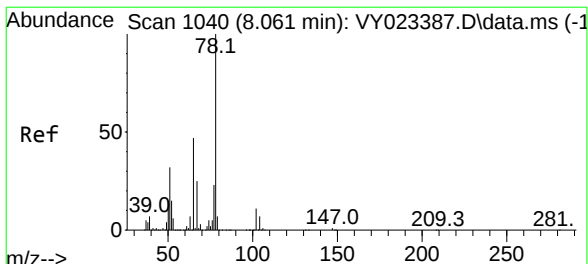
Tgt Ion: 43 Resp: 1679
Ion Ratio Lower Upper
43 100
72 14.4 27.4 41.2#



#31
Cyclohexane
Concen: 1.267 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY023431.D
Acq: 10 Oct 2025 12:06

Tgt Ion: 56 Resp: 3495
Ion Ratio Lower Upper
56 100
69 174.2 30.0 45.0#
84 153.2 81.2 121.8#

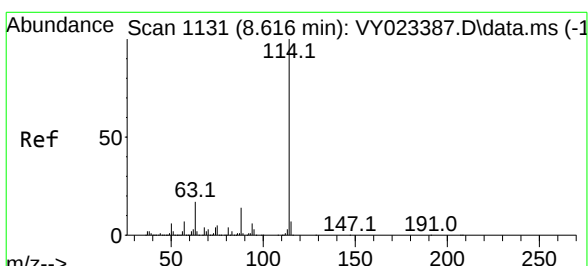
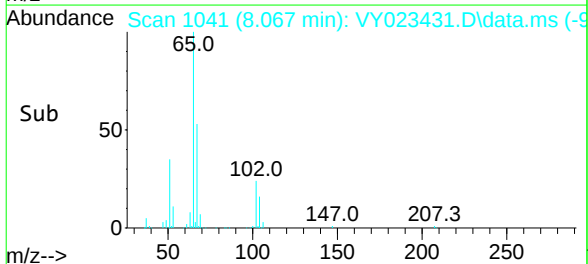
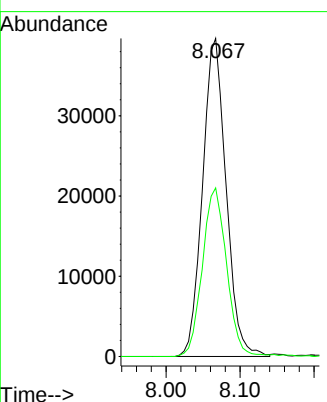
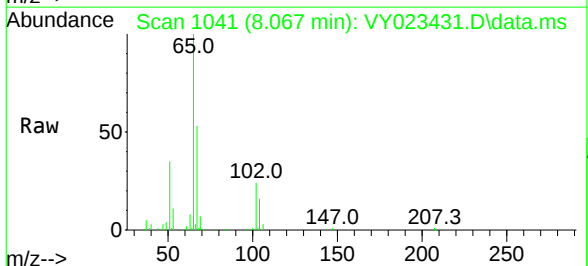




#33
 1,2-Dichloroethane-d4
 Concen: 52.802 ug/l
 RT: 8.067 min Scan# 1041
 Delta R.T. 0.006 min
 Lab File: VY023431.D
 Acq: 10 Oct 2025 12:06

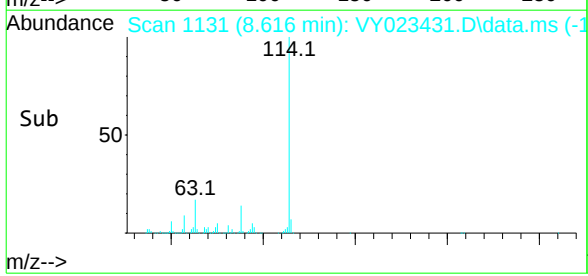
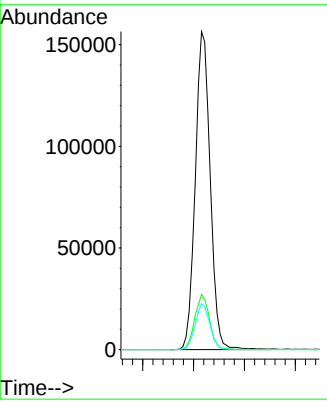
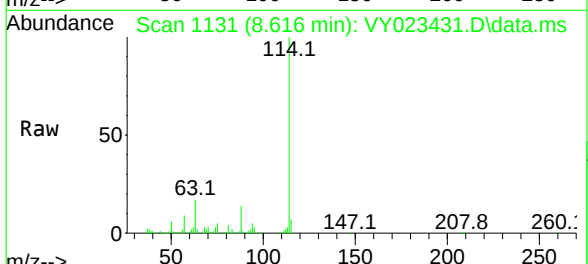
Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-360

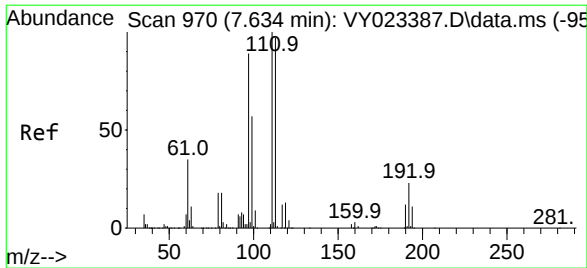
Tgt Ion:	65	Resp:	87571
Ion Ratio	Lower	Upper	
65	100		
67	54.5	0.0	105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY023431.D
 Acq: 10 Oct 2025 12:06

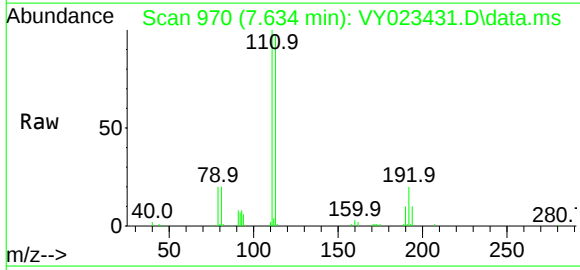
Tgt Ion:	114	Resp:	318333
Ion Ratio	Lower	Upper	
114	100		
63	17.4	0.0	34.2
88	14.4	0.0	28.4



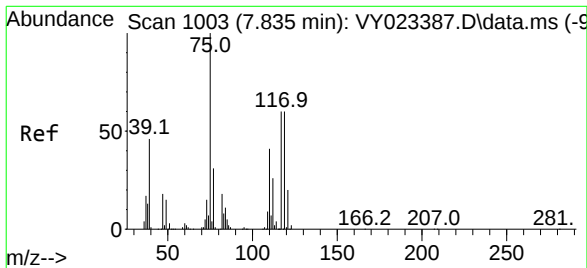
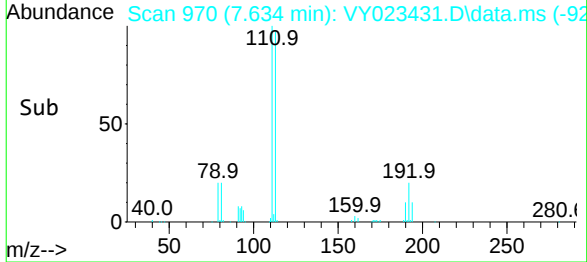
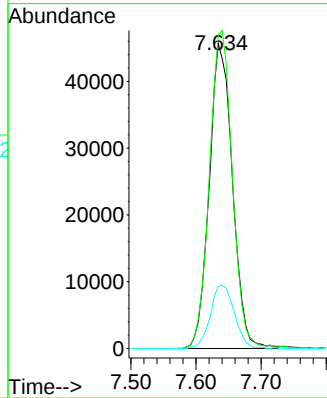


#35
Dibromofluoromethane
Concen: 57.859 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023431.D
Acq: 10 Oct 2025 12:06

Instrument :
MSVOA_Y
ClientSampleId :
ETGI-360

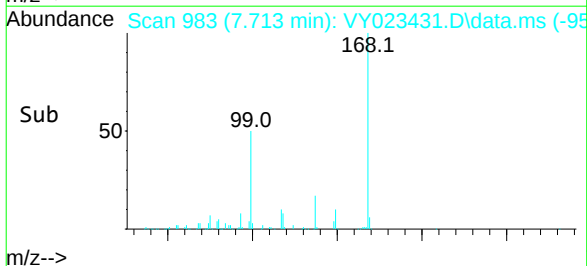
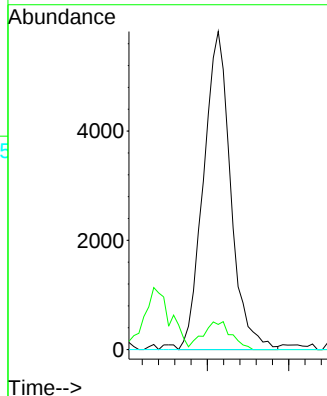
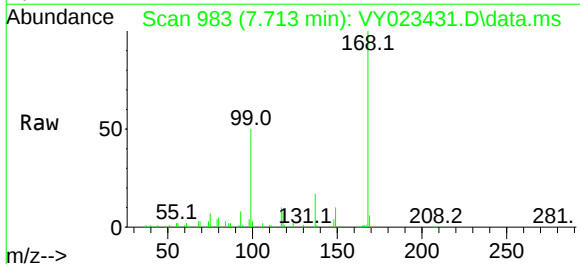


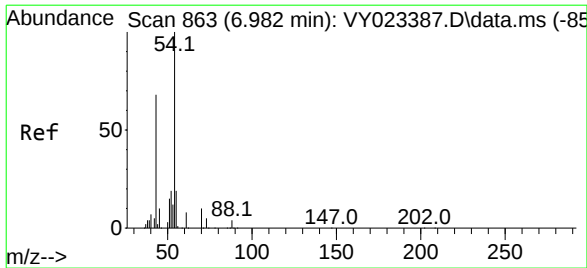
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.8	122.6
192	21.4	18.0	27.0



#36
1,1-Dichloropropene
Concen: 5.206 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023431.D
Acq: 10 Oct 2025 12:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	19.9	59.7#
77	0.0	25.0	37.6#





#37

Ethyl Acetate

Concen: 1.637 ug/l

RT: 6.890 min Scan# 84

Delta R.T. -0.091 min

Lab File: VY023431.D

Acq: 10 Oct 2025 12:06

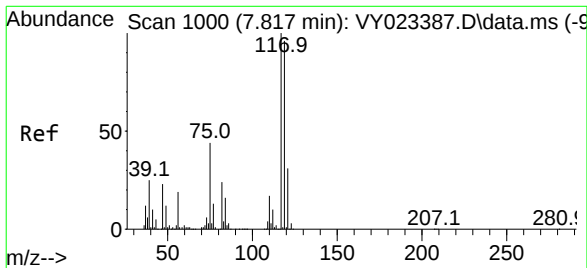
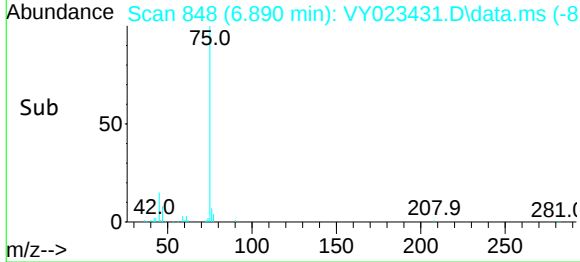
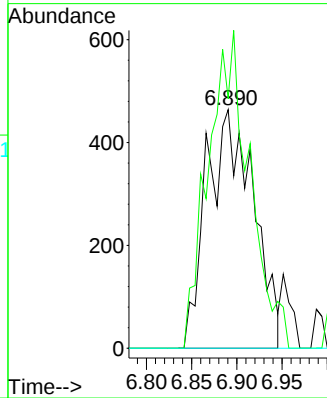
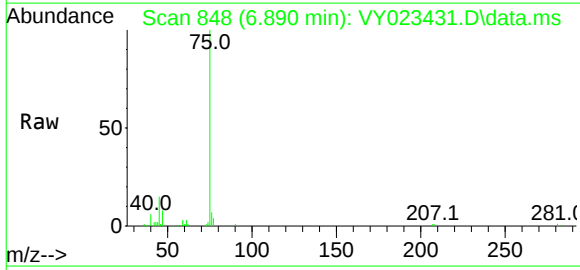
Instrument :

MSVOA_Y

ClientSampleId :

ETGI-360

Tgt Ion: 43	Resp: 1679
Ion Ratio	Lower Upper
43 100	
61 117.0	11.8 17.8#
70 0.0	10.5 15.7#



#38

Carbon Tetrachloride

Concen: 5.693 ug/l

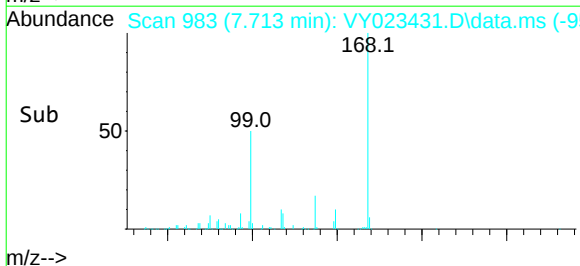
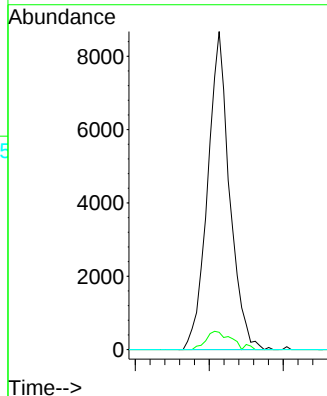
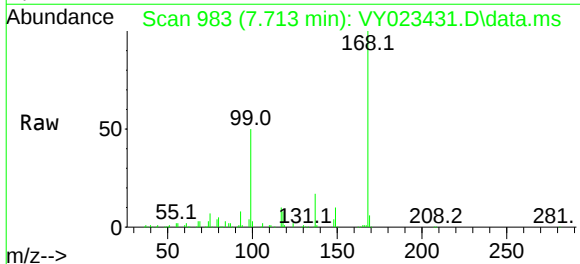
RT: 7.713 min Scan# 983

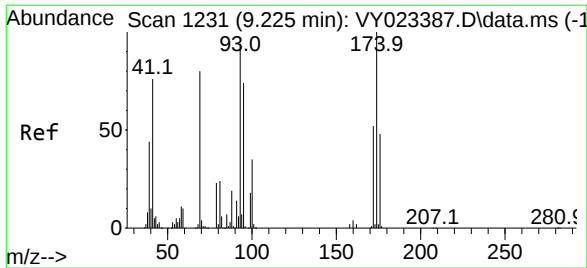
Delta R.T. -0.104 min

Lab File: VY023431.D

Acq: 10 Oct 2025 12:06

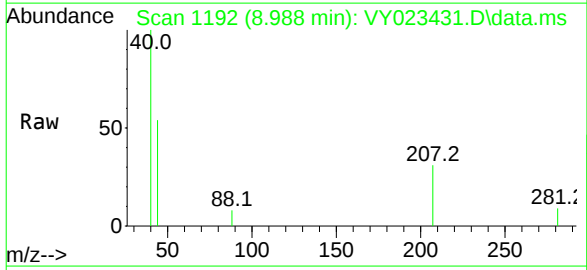
Tgt Ion: 117	Resp: 17875
Ion Ratio	Lower Upper
117 100	
119 5.4	76.8 115.2#
121 0.0	24.5 36.7#



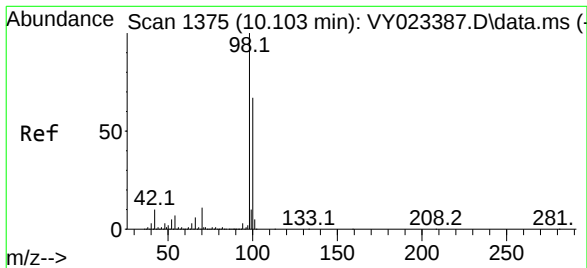
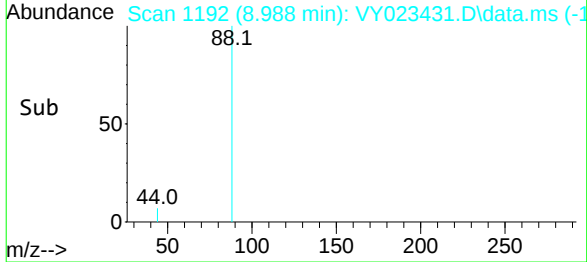
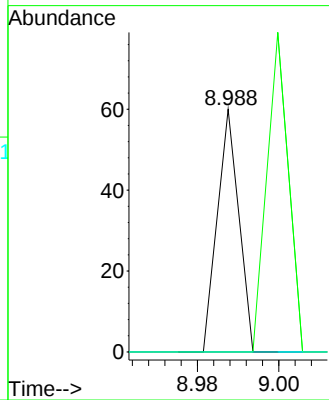


#49
1,4-Dioxane
Concen: 1.657 ug/l
RT: 8.988 min Scan# 111
Delta R.T. -0.238 min
Lab File: VY023431.D
Acq: 10 Oct 2025 12:06

Instrument :
MSVOA_Y
ClientSampleId :
ETGI-360

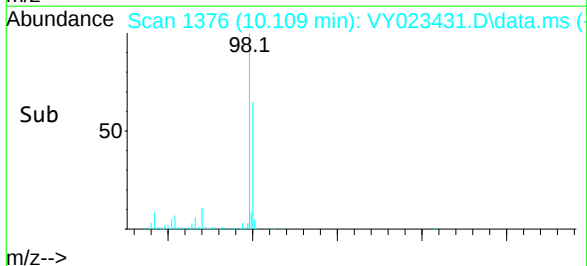
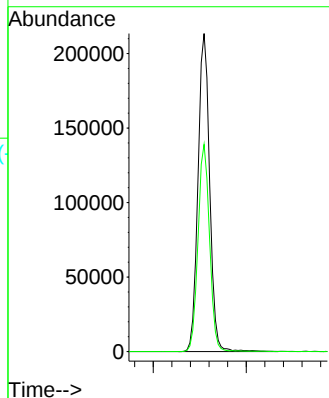
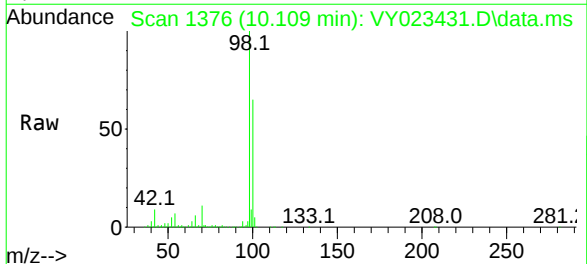


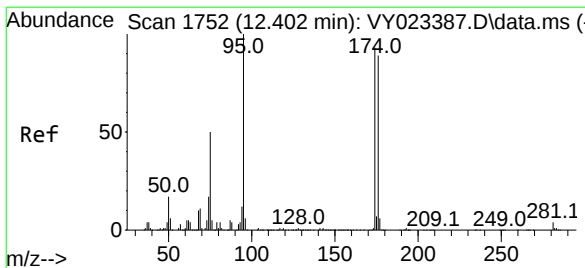
Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 131.8 21.8 32.8#
58 0.0 46.8 70.2#



#50
Toluene-d8
Concen: 51.078 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023431.D
Acq: 10 Oct 2025 12:06

Tgt Ion: 98 Resp: 372071
Ion Ratio Lower Upper
98 100
100 64.5 53.0 79.4

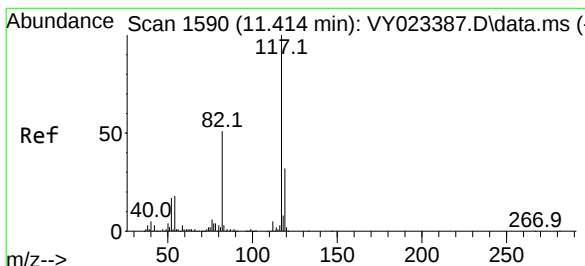
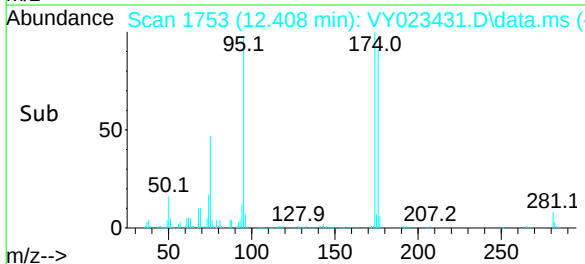
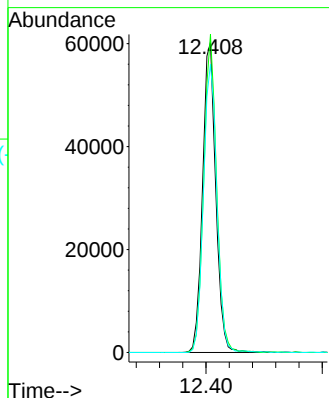
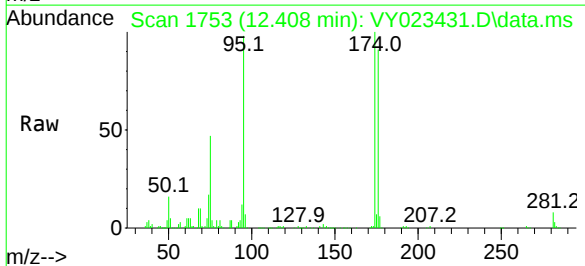




#62
4-Bromofluorobenzene
Concen: 39.395 ug/l
RT: 12.408 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY023431.D
Acq: 10 Oct 2025 12:06

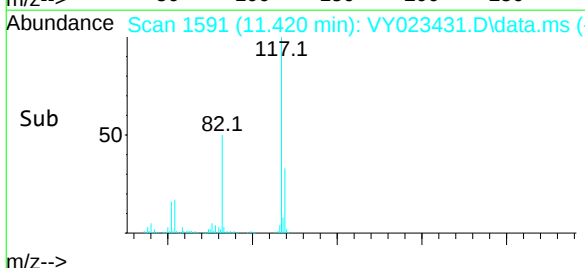
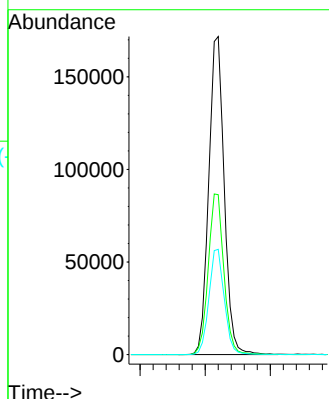
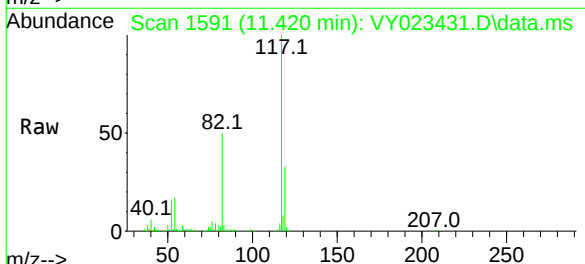
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-360

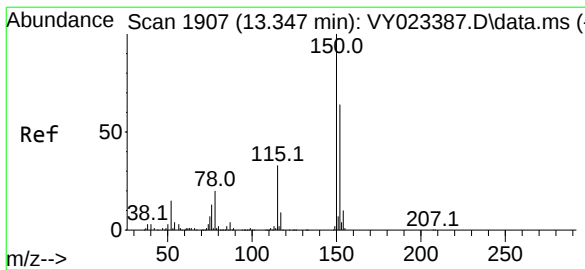
Tgt Ion:	95	Resp:	94741
Ion	Ratio	Lower	Upper
95	100		
174	100.2	0.0	192.8
176	95.4	0.0	187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023431.D
Acq: 10 Oct 2025 12:06

Tgt Ion:	117	Resp:	283927
Ion	Ratio	Lower	Upper
117	100		
82	50.3	41.0	61.4
119	33.1	25.6	38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023431.D

Acq: 10 Oct 2025 12:06

Instrument :

MSVOA_Y

ClientSampleId :

ETGI-360

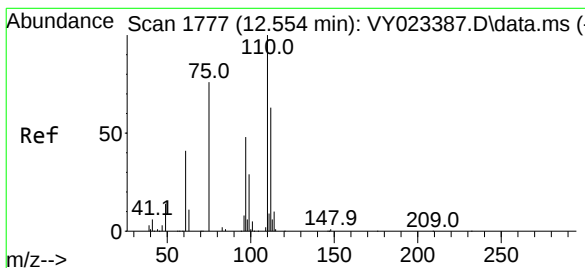
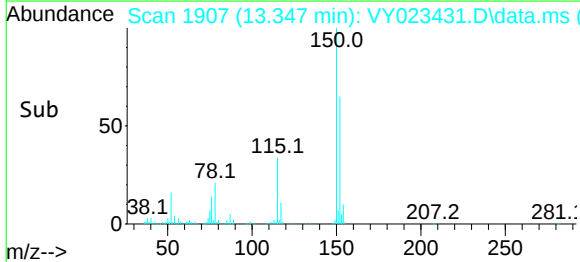
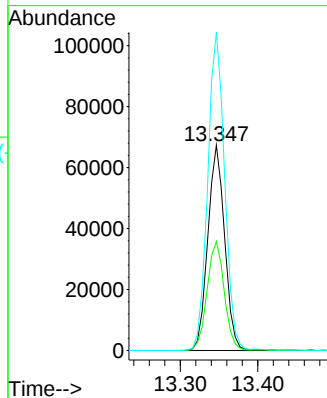
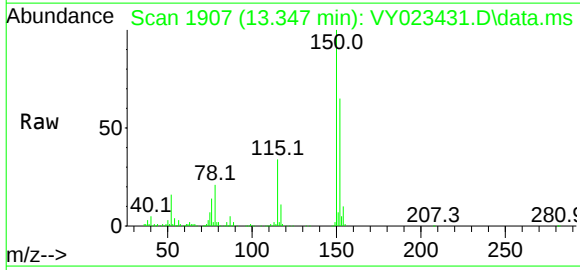
Tgt Ion:152 Resp: 101699

Ion Ratio Lower Upper

152 100

115 54.0 27.1 81.2

150 155.4 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 53.475 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023431.D

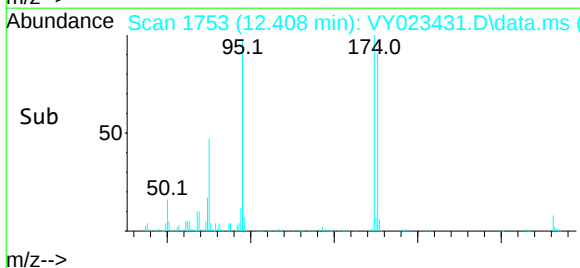
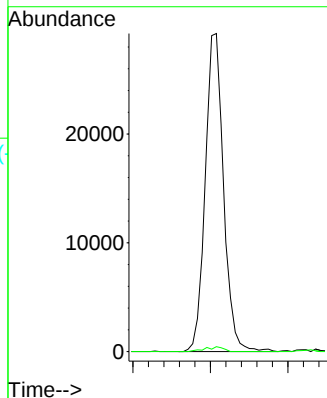
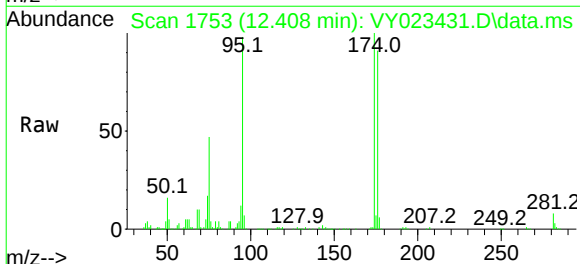
Acq: 10 Oct 2025 12:06

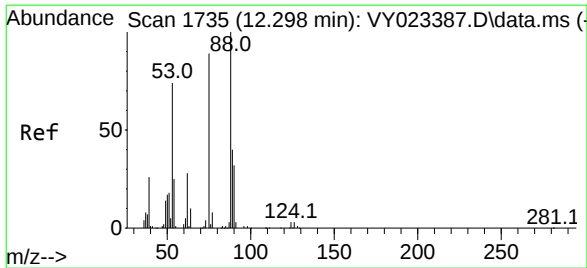
Tgt Ion: 75 Resp: 47981

Ion Ratio Lower Upper

75 100

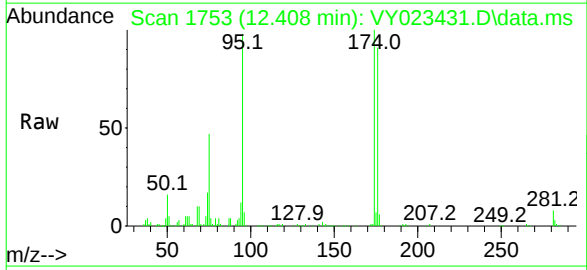
77 1.5 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 131.131 ug/l
RT: 12.408 min Scan# 17
Delta R.T. 0.110 min
Lab File: VY023431.D
Acq: 10 Oct 2025 12:06

Instrument :
MSVOA_Y
ClientSampleId :
ETGI-360



Tgt	Ion	Ratio	Lower	Upper
75	100			
53	0.2	68.6	102.8#	
89	0.0	39.0	58.4#	

