

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101323\
 Data File : VY015956.D
 Acq On : 13 Oct 2023 14:44
 Operator : SY/MD
 Sample : 04844-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 13 16:07:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 13:13:02 2023
 Response via : Initial Calibration

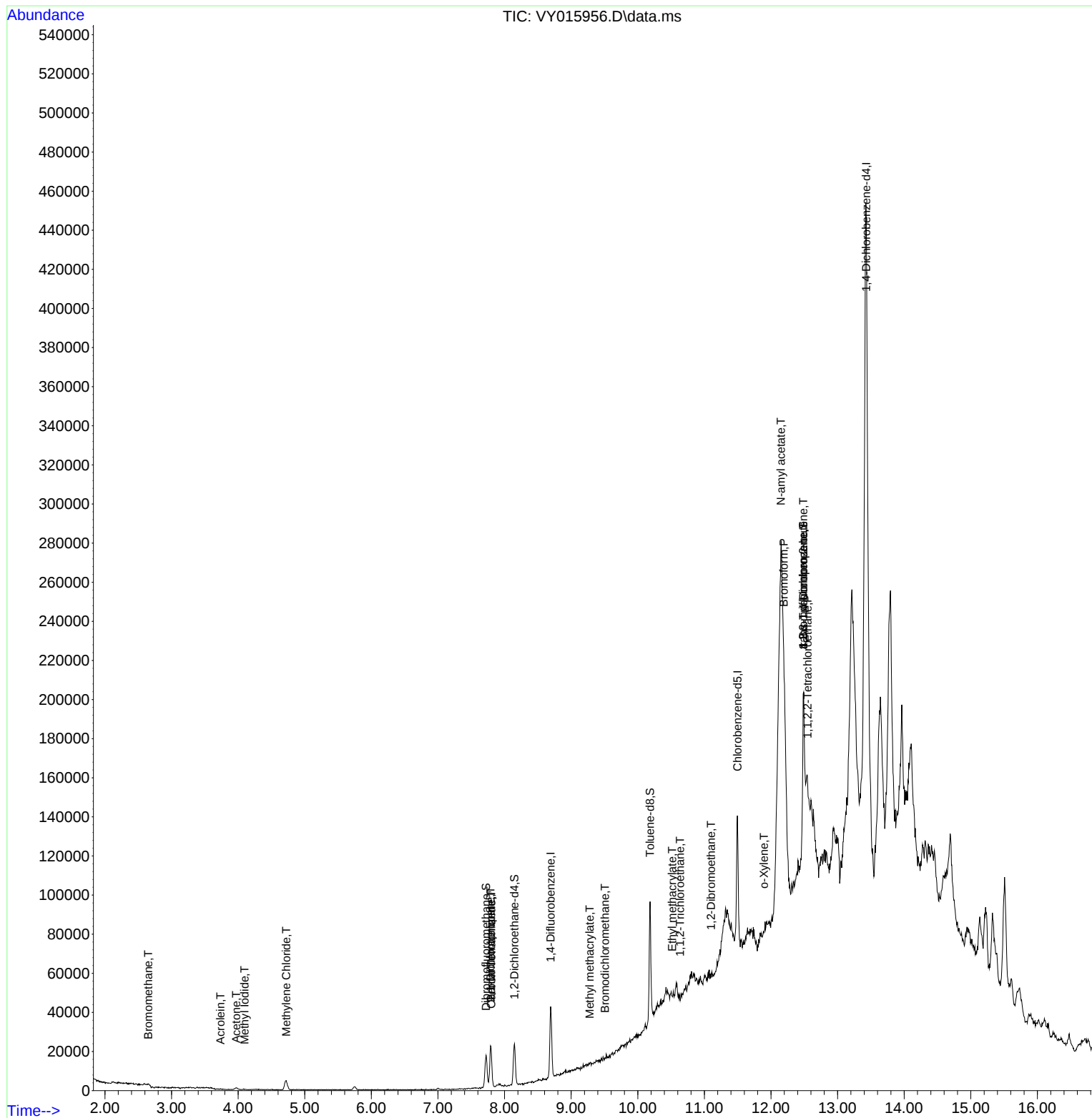
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.795	168	16704	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	31893	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	35782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	27156	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	16629	87.228	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 174.460%#	
35) Dibromofluoromethane	7.722	113	11975	59.641	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.280%	
50) Toluene-d8	10.185	98	40723	54.159	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.320%	
62) 4-Bromofluorobenzene	12.483	95	22084	82.481	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 164.960%#	
Target Compounds						Qvalue
3) Chloromethane	2.113	50	517	Below Cal		96
5) Bromomethane	2.650	94	192	1.898	ug/l #	35
10) Methyl Iodide	4.095	142	222	1.120	ug/l #	66
13) Acrolein	3.735	56	46	1.278	ug/l #	7
16) Acetone	3.973	43	1826	16.489	ug/l #	85
20) Methylene Chloride	4.723	84	3689	14.499	ug/l #	85
36) 1,1-Dichloropropene	7.789	75	1275	4.209	ug/l #	43
38) Carbon Tetrachloride	7.801	117	1727	5.413	ug/l #	12
47) Bromodichloromethane	9.508	83	449	1.414	ug/l #	26
48) Methyl methacrylate	9.277	41	245	1.105	ug/l #	66
55) 1,1,2-Trichloroethane	10.636	97	650	2.904	ug/l #	41
56) Ethyl methacrylate	10.514	69	393	1.121	ug/l #	21
61) 1,2-Dibromoethane	11.099	107	498	2.056	ug/l #	2
69) o-Xylene	11.892	106	650	1.344	ug/l	49
71) Bromoform	12.191	173	440	1.862	ug/l #	48
74) N-amyl acetate	12.148	43	14198	18.281	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.550	83	11275	19.095	ug/l #	27
76) 1,2,3-Trichloropropane	12.483	75	9300	17.499	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	9300	41.223	ug/l #	11

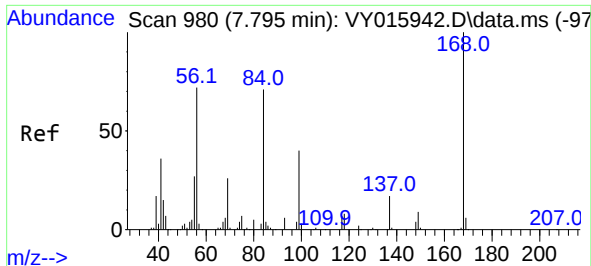
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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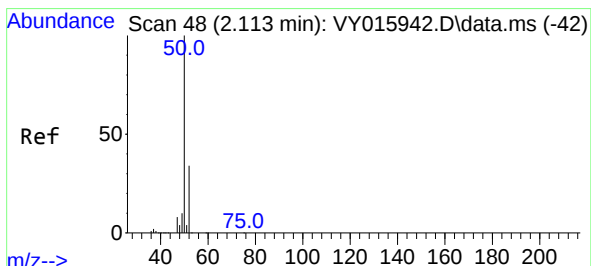
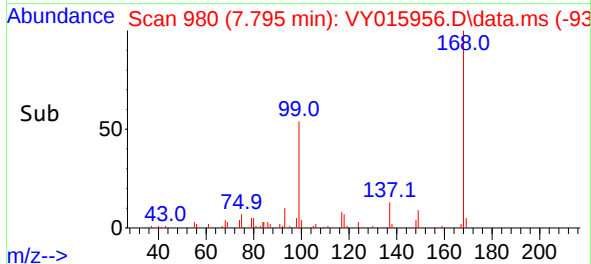
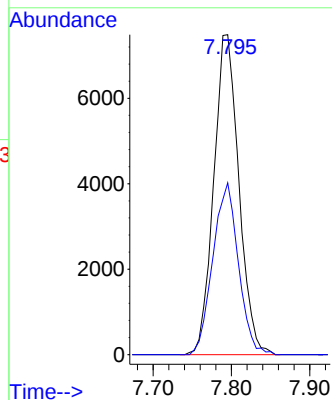
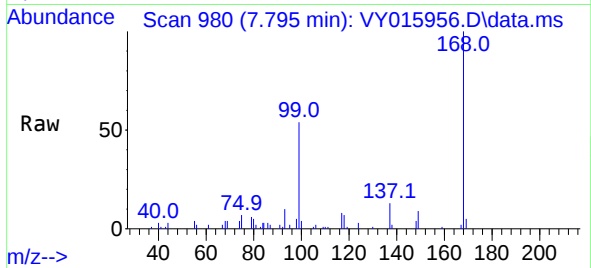




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY015956.D
Acq: 13 Oct 2023 14:44

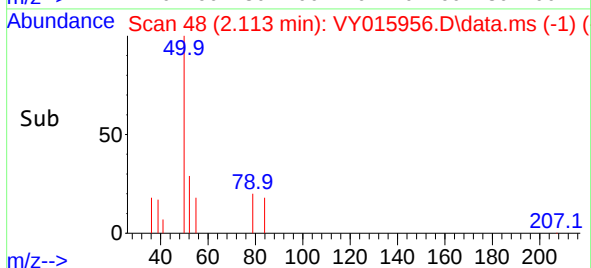
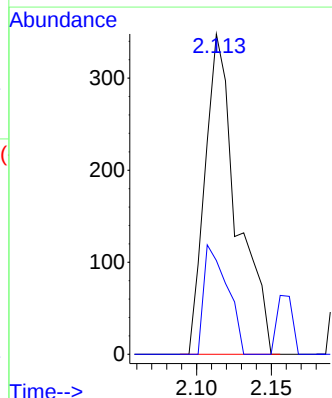
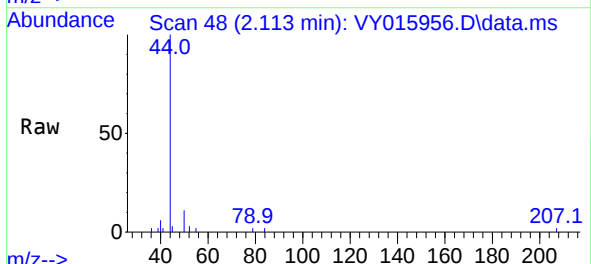
Instrument :
MSVOA_Y
ClientSampleId :

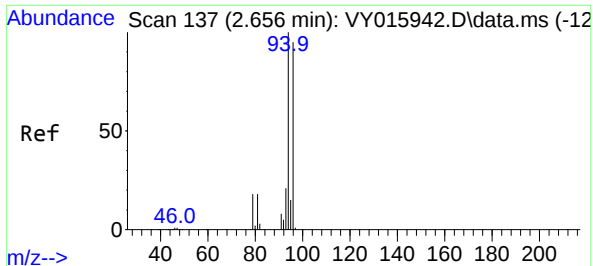
Tgt Ion:168 Resp: 16704
Ion Ratio Lower Upper
168 100
99 53.7 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY015956.D
Acq: 13 Oct 2023 14:44

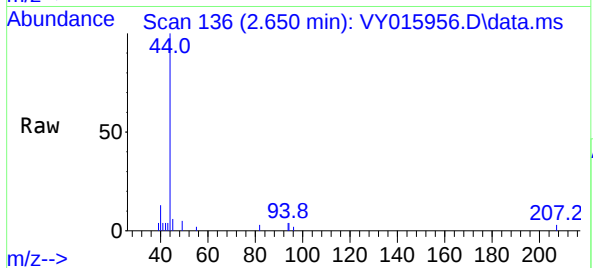
Tgt Ion: 50 Resp: 517
Ion Ratio Lower Upper
50 100
52 29.3 25.4 38.2



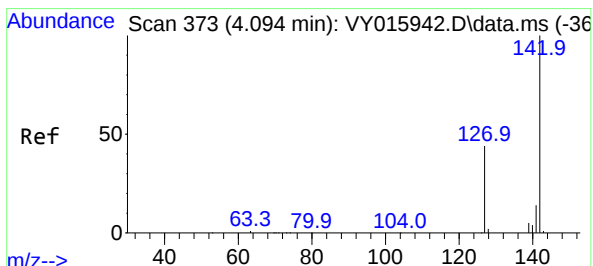
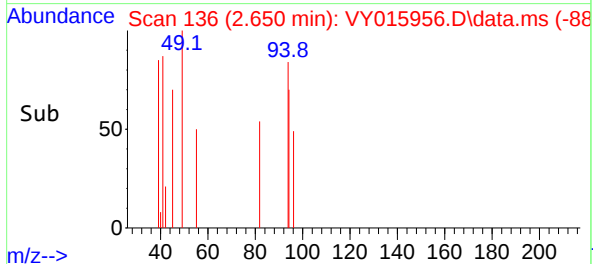
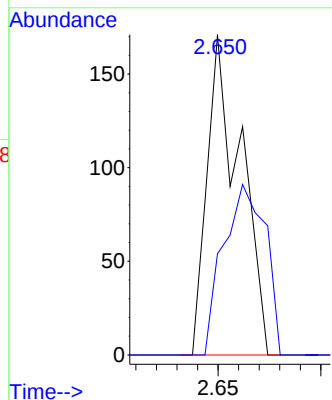


#5
Bromomethane
Concen: 1.898 ug/l
RT: 2.650 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY015956.D
Acq: 13 Oct 2023 14:44

Instrument :
MSVOA_Y
ClientSampleId :

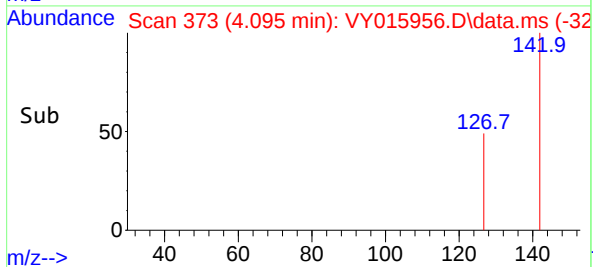
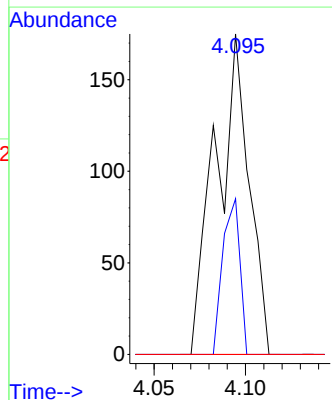
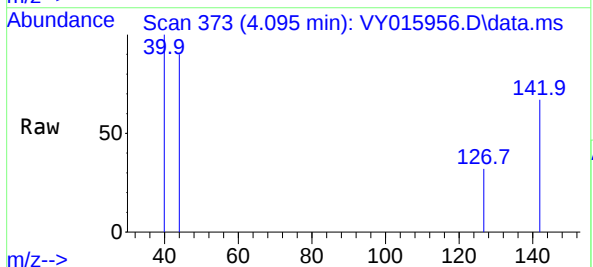


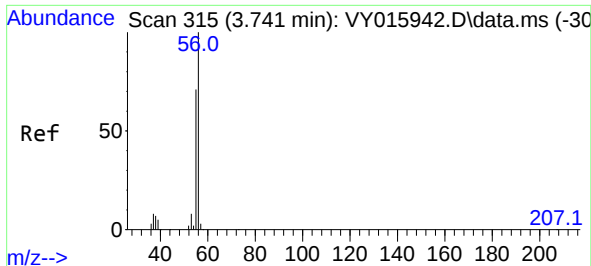
Tgt Ion: 94 Resp: 192
Ion Ratio Lower Upper
94 100
96 31.6 75.8 113.6#



#10
Methyl Iodide
Concen: 1.120 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.000 min
Lab File: VY015956.D
Acq: 13 Oct 2023 14:44

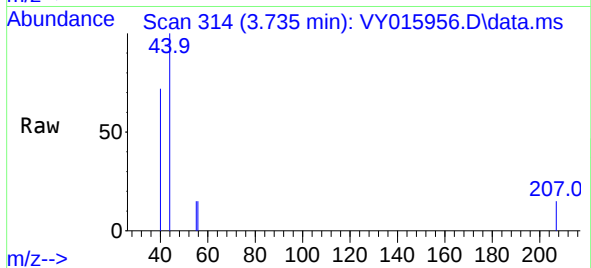
Tgt Ion:142 Resp: 222
Ion Ratio Lower Upper
142 100
127 24.8 37.6 56.4#
141 0.0 11.8 17.8#



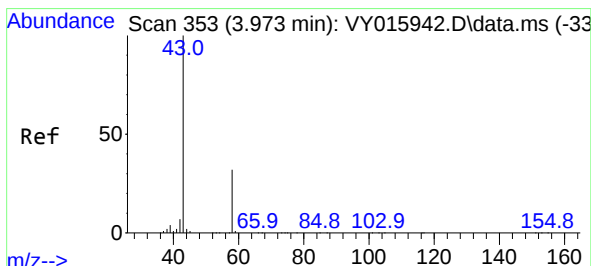
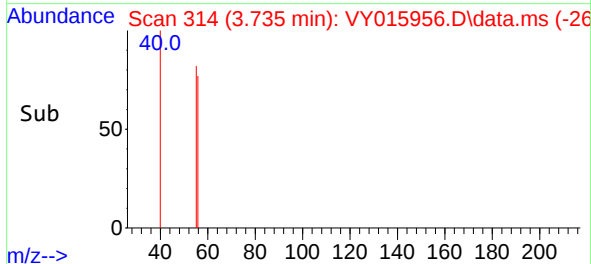
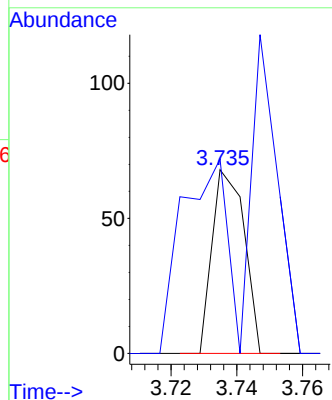


#13
Acrolein
Concen: 1.278 ug/l
RT: 3.735 min Scan# 315
Delta R.T. -0.006 min
Lab File: VY015956.D
Acq: 13 Oct 2023 14:44

Instrument :
MSVOA_Y
ClientSampleId :

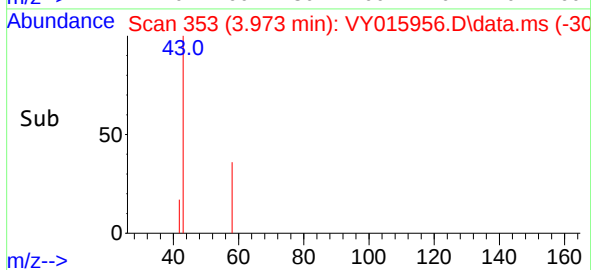
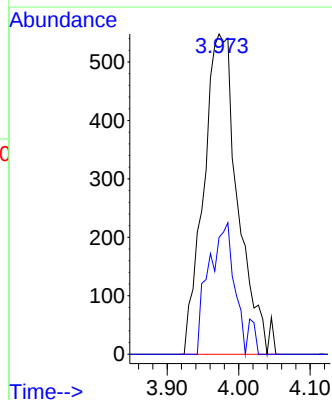
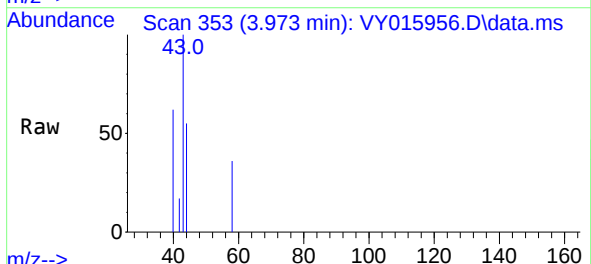


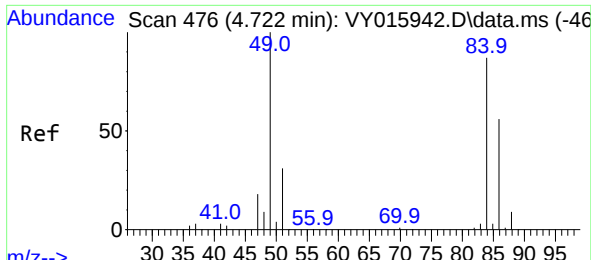
Tgt Ion: 56 Resp: 46
Ion Ratio Lower Upper
56 100
55 147.8 57.0 85.4#



#16
Acetone
Concen: 16.489 ug/l
RT: 3.973 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY015956.D
Acq: 13 Oct 2023 14:44

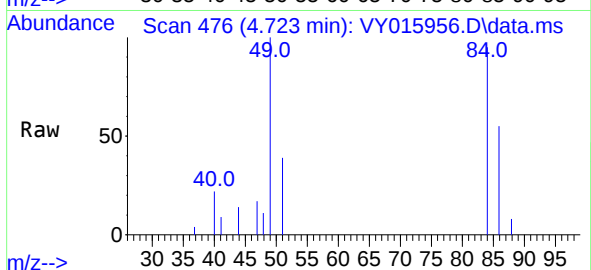
Tgt Ion: 43 Resp: 1826
Ion Ratio Lower Upper
43 100
58 36.5 22.7 34.1#





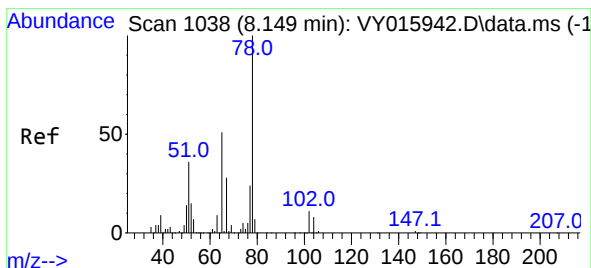
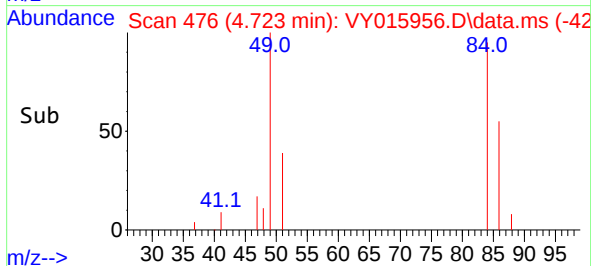
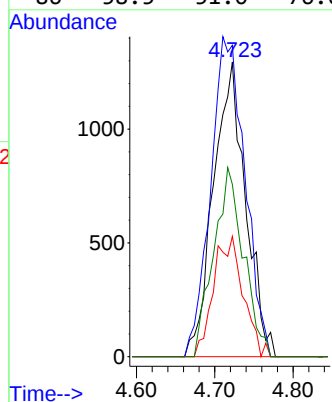
#20
Methylene Chloride
Concen: 14.499 ug/l
RT: 4.723 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015956.D
Acq: 13 Oct 2023 14:44

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 3689

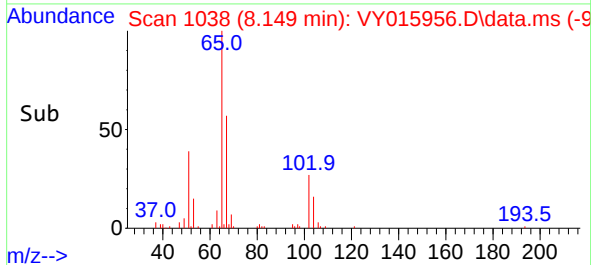
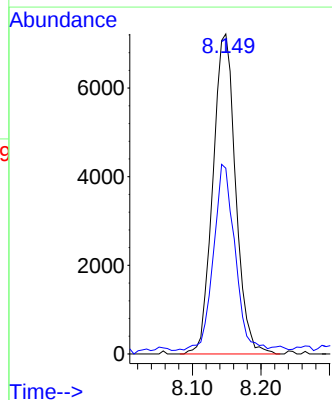
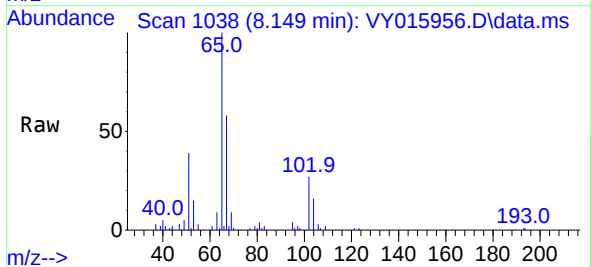
Ion	Ratio	Lower	Upper
84	100		
49	105.6	106.9	160.3#
51	40.8	33.2	49.8
86	58.5	51.0	76.6

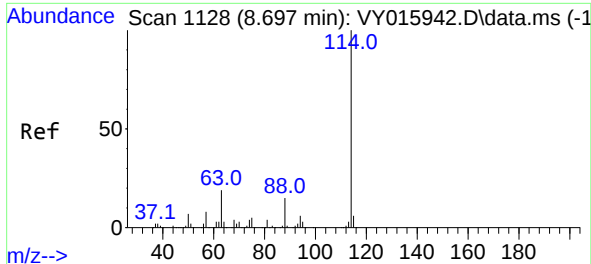


#33
1,2-Dichloroethane-d4
Concen: 87.228 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY015956.D
Acq: 13 Oct 2023 14:44

Tgt Ion: 65 Resp: 16629

Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY015956.D

Acq: 13 Oct 2023 14:44

Instrument :

MSVOA_Y

ClientSampleId :

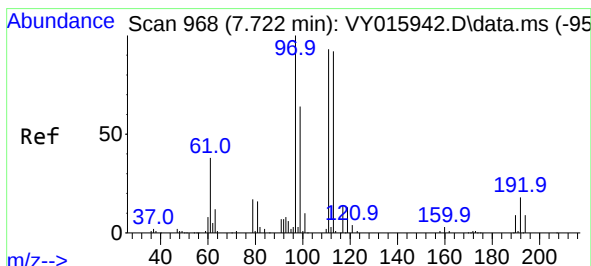
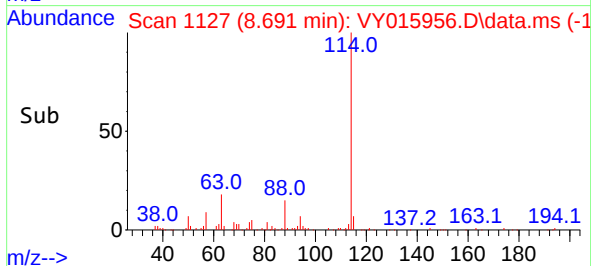
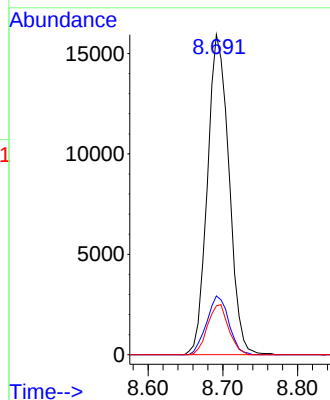
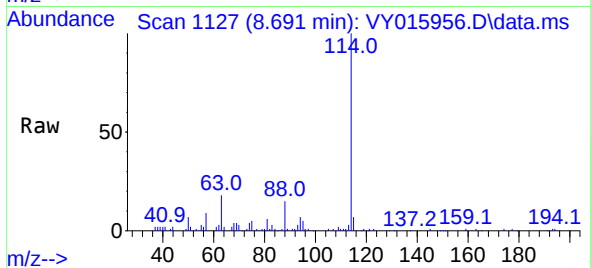
Tgt Ion:114 Resp: 31893

Ion Ratio Lower Upper

114 100

63 18.3 0.0 42.4

88 15.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 59.641 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY015956.D

Acq: 13 Oct 2023 14:44

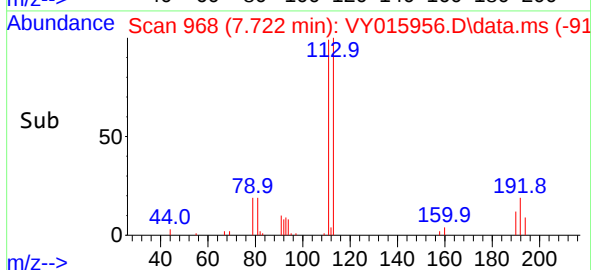
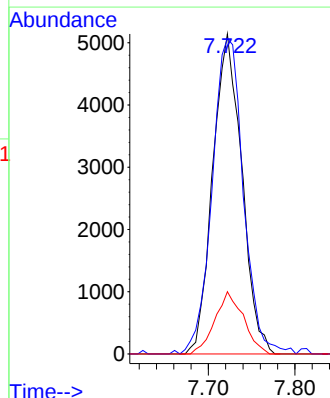
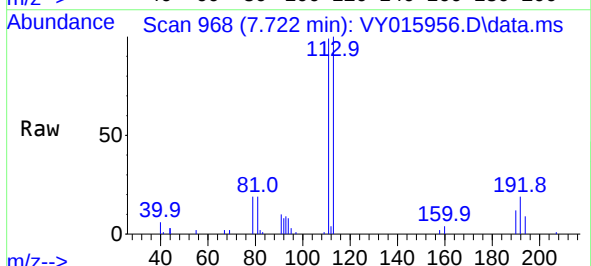
Tgt Ion:113 Resp: 11975

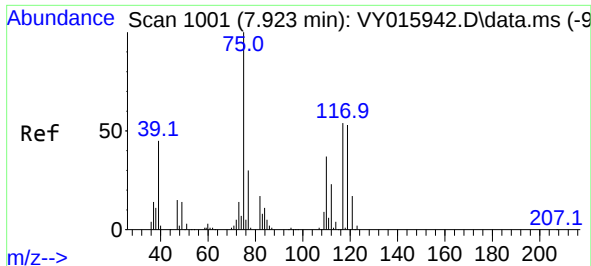
Ion Ratio Lower Upper

113 100

111 105.8 81.3 121.9

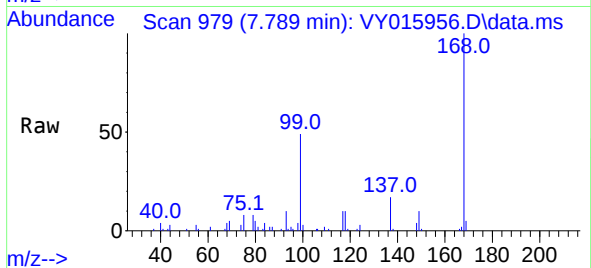
192 19.2 16.9 25.3



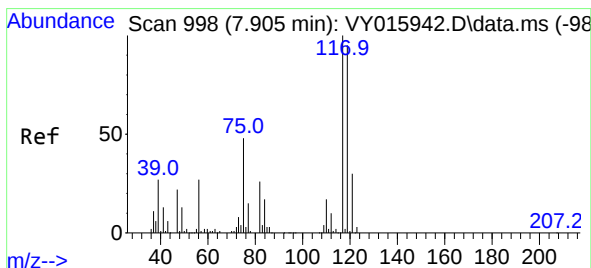
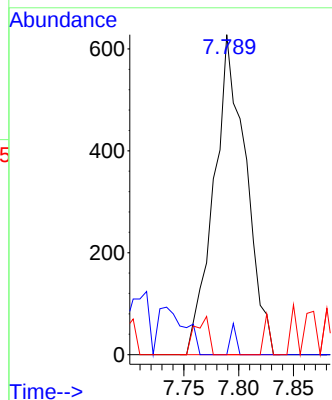
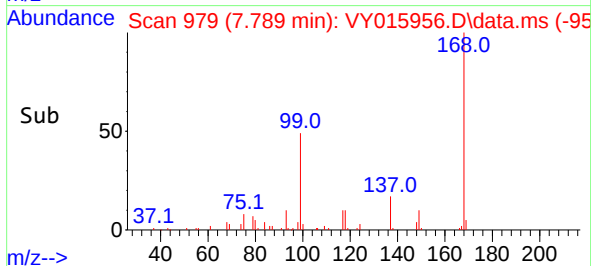


#36
1,1-Dichloropropene
Concen: 4.209 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY015956.D
Acq: 13 Oct 2023 14:44

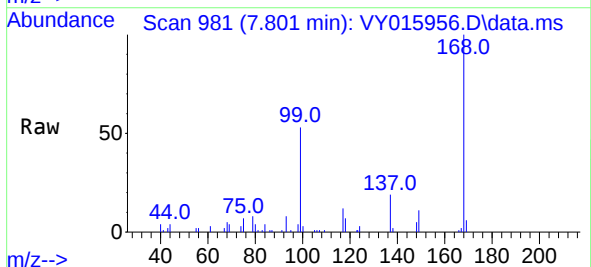
Instrument :
MSVOA_Y
ClientSampleId :



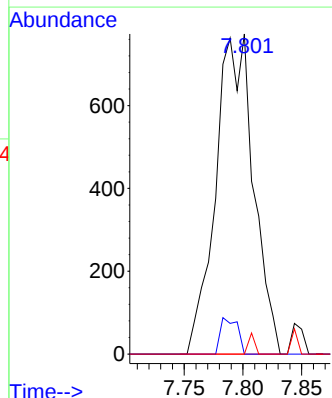
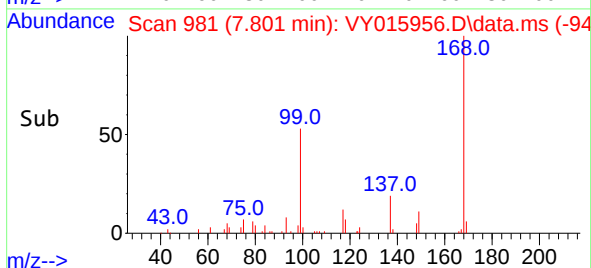
Tgt Ion: 75 Resp: 1275
Ion Ratio Lower Upper
75 100
110 1.7 17.8 53.5#
77 0.0 24.4 36.6#

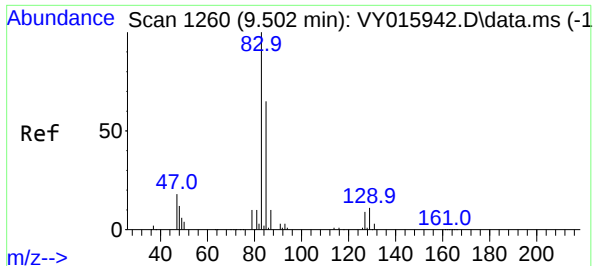


#38
Carbon Tetrachloride
Concen: 5.413 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.104 min
Lab File: VY015956.D
Acq: 13 Oct 2023 14:44



Tgt Ion: 117 Resp: 1727
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#

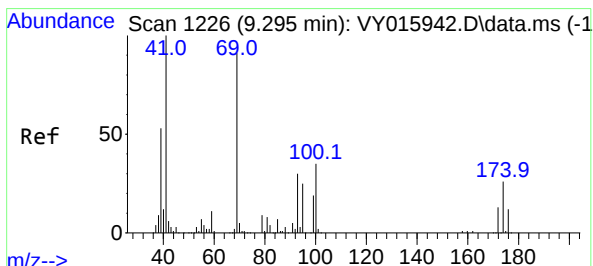
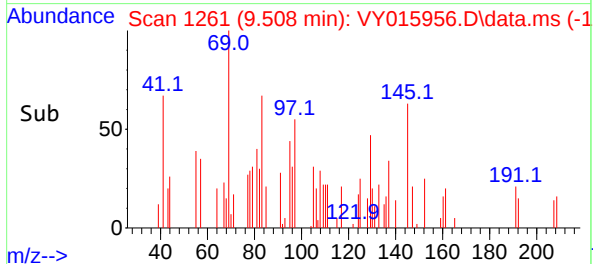
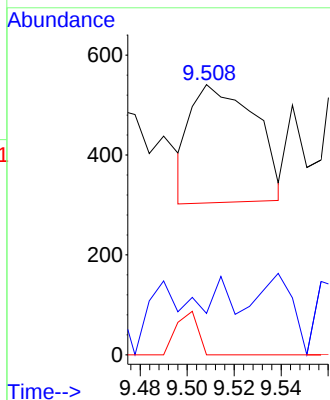
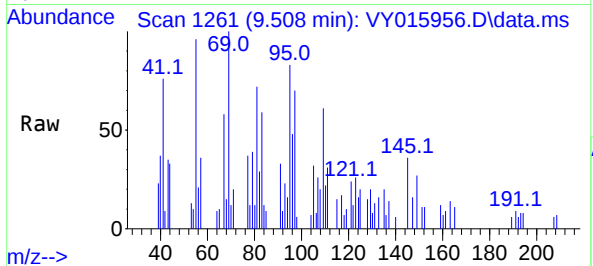




#47
Bromodichloromethane
Concen: 1.414 ug/l
RT: 9.508 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015956.D
Acq: 13 Oct 2023 14:44

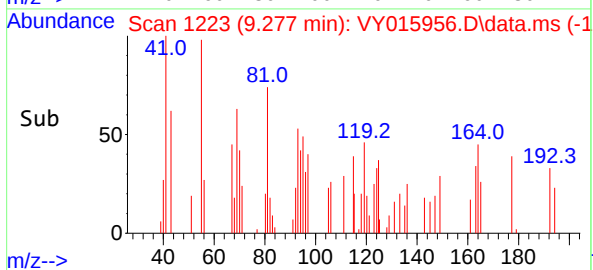
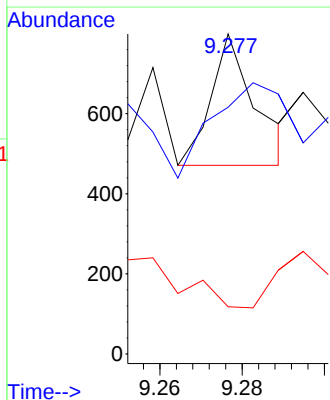
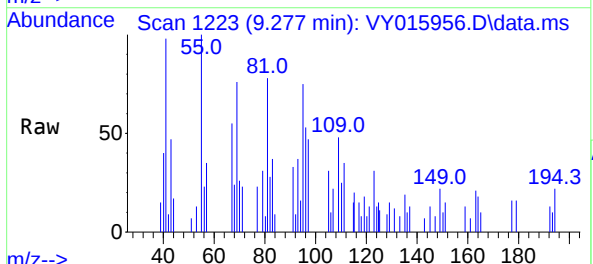
Instrument :
MSVOA_Y
ClientSampleId :

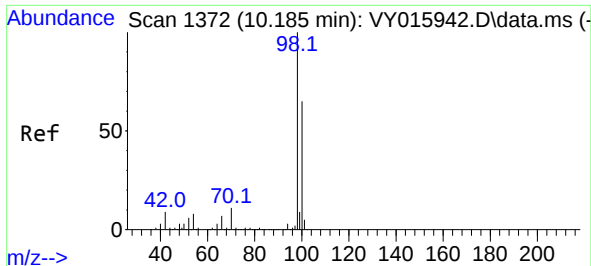
Tgt Ion: 83 Resp: 449
Ion Ratio Lower Upper
83 100
85 0.0 50.1 75.1#
127 0.0 7.1 10.7#



#48
Methyl methacrylate
Concen: 1.105 ug/l
RT: 9.277 min Scan# 1223
Delta R.T. -0.018 min
Lab File: VY015956.D
Acq: 13 Oct 2023 14:44

Tgt Ion: 41 Resp: 245
Ion Ratio Lower Upper
41 100
69 126.9 64.5 96.7#
39 55.5 50.8 76.2

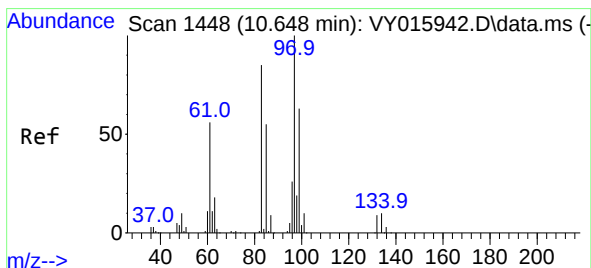
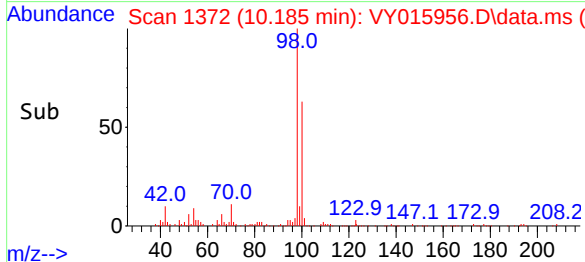
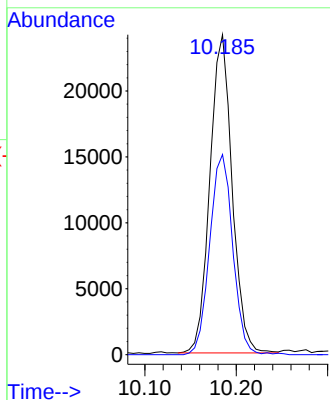
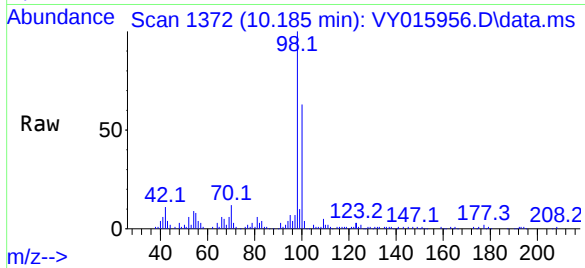




#50
Toluene-d8
Concen: 54.159 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015956.D
Acq: 13 Oct 2023 14:44

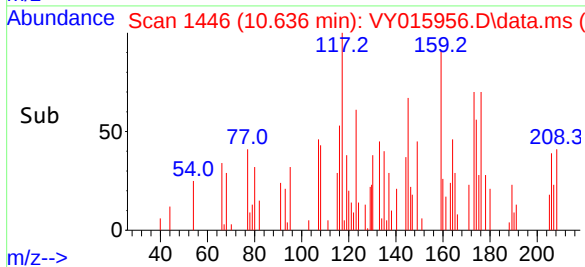
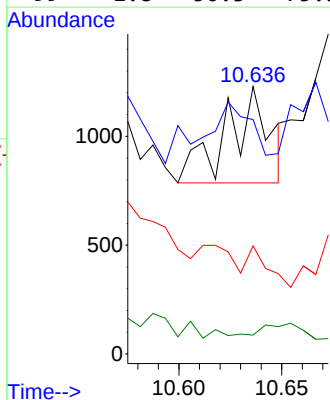
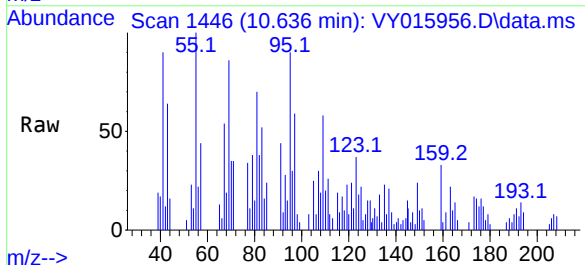
Instrument :
MSVOA_Y
ClientSampleId :

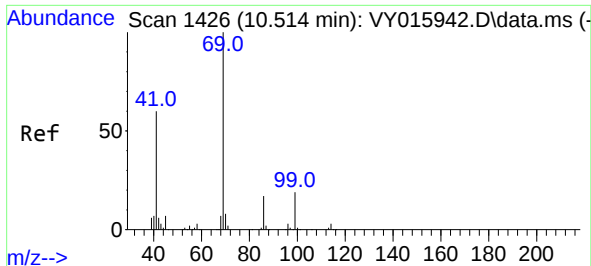
Tgt Ion: 98 Resp: 40723
Ion Ratio Lower Upper
98 100
100 65.4 50.1 75.1



#55
1,1,2-Trichloroethane
Concen: 2.904 ug/l
RT: 10.636 min Scan# 1446
Delta R.T. -0.012 min
Lab File: VY015956.D
Acq: 13 Oct 2023 14:44

Tgt Ion: 97 Resp: 650
Ion Ratio Lower Upper
97 100
83 35.5 72.0 108.0#
85 28.7 45.4 68.0#
99 1.8 50.3 75.5#

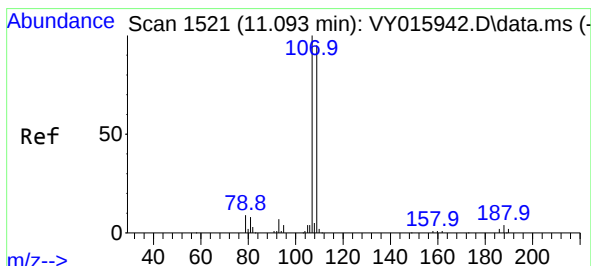
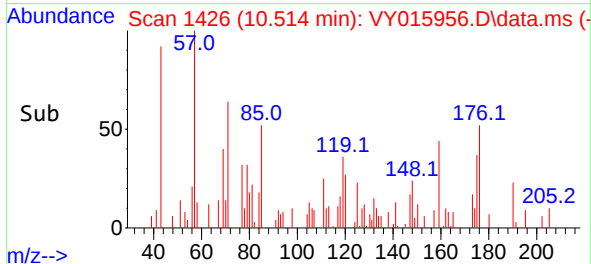
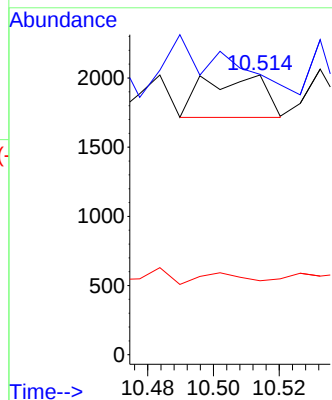
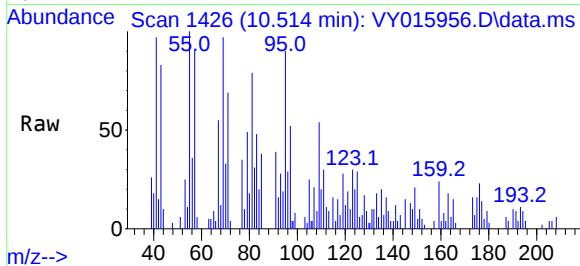




#56
Ethyl methacrylate
Concen: 1.121 ug/l
RT: 10.514 min Scan# 1426
Delta R.T. 0.000 min
Lab File: VY015956.D
Acq: 13 Oct 2023 14:44

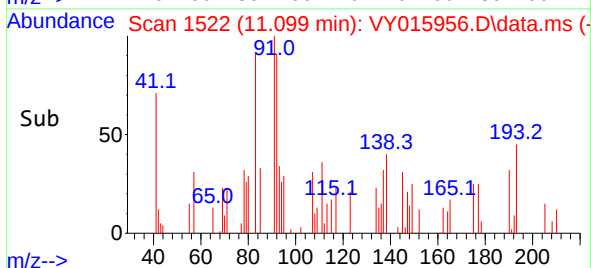
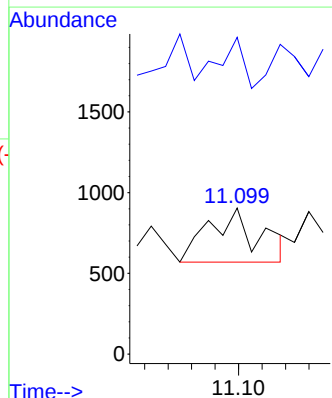
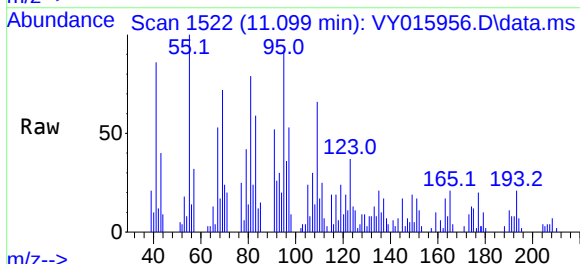
Instrument :
MSVOA_Y
ClientSampleId :

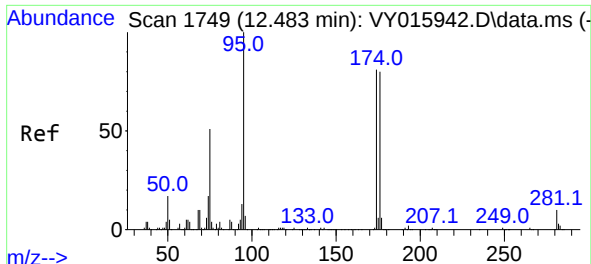
Tgt Ion: 69 Resp: 393
Ion Ratio Lower Upper
69 100
41 0.0 57.6 86.4#
39 0.0 34.1 51.1#



#61
1,2-Dibromoethane
Concen: 2.056 ug/l
RT: 11.099 min Scan# 1522
Delta R.T. 0.006 min
Lab File: VY015956.D
Acq: 13 Oct 2023 14:44

Tgt Ion: 107 Resp: 498
Ion Ratio Lower Upper
107 100
109 0.0 75.6 113.4#

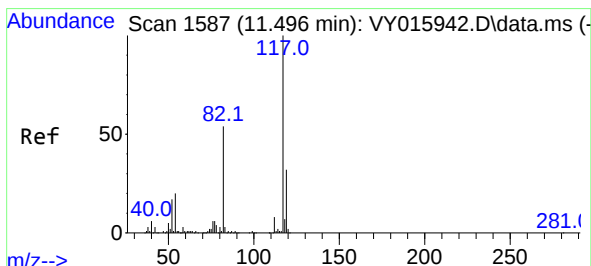
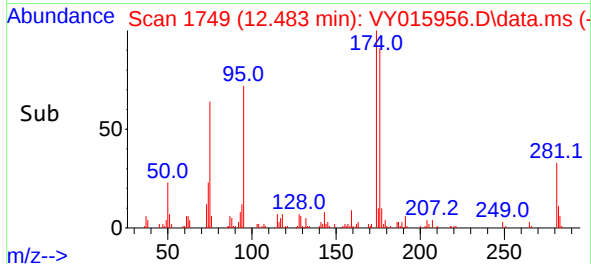
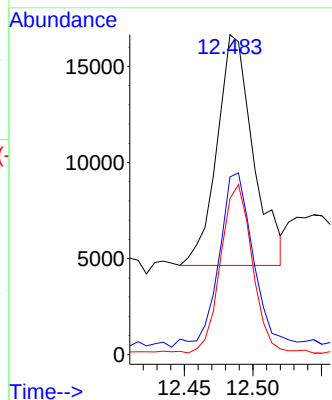
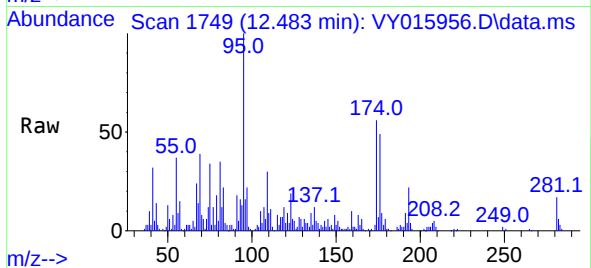




#62
4-Bromofluorobenzene
Concen: 82.481 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY015956.D
Acq: 13 Oct 2023 14:44

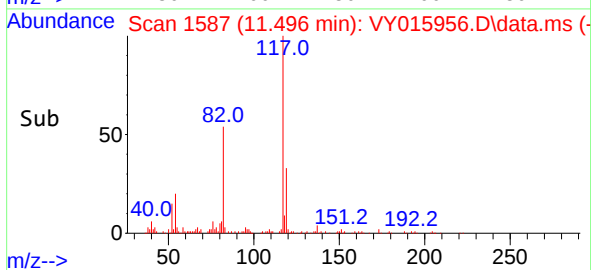
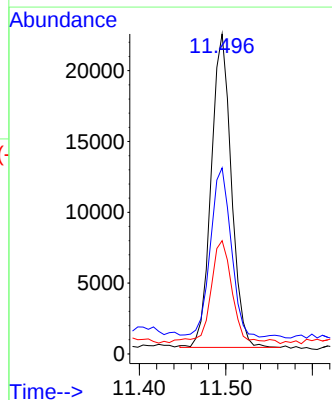
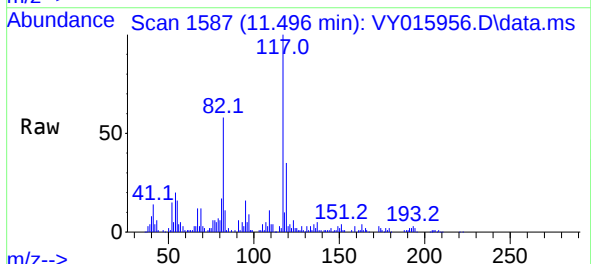
Instrument :
MSVOA_Y
ClientSampleId :

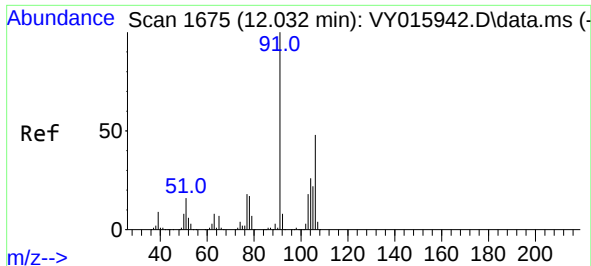
Tgt Ion:	95	Resp:	22084
Ion	Ratio	Lower	Upper
95	100		
174	69.7	0.0	178.2
176	64.0	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY015956.D
Acq: 13 Oct 2023 14:44

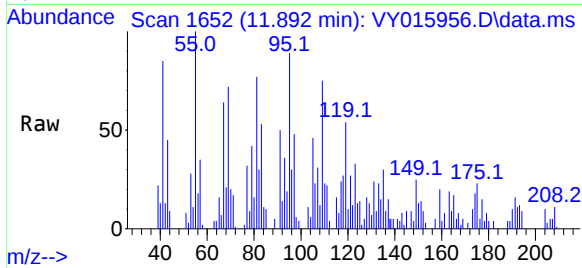
Tgt Ion:	117	Resp:	35782
Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.4	65.0
119	32.8	26.3	39.5



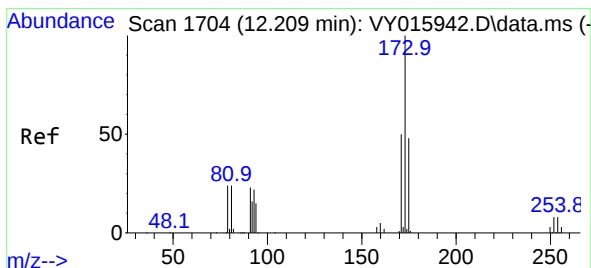
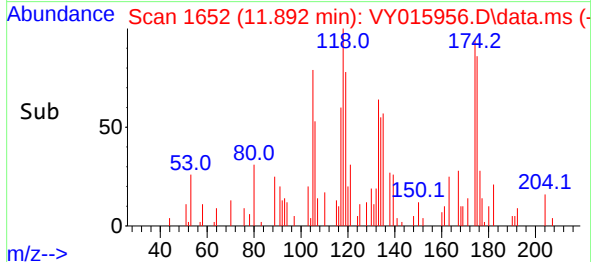
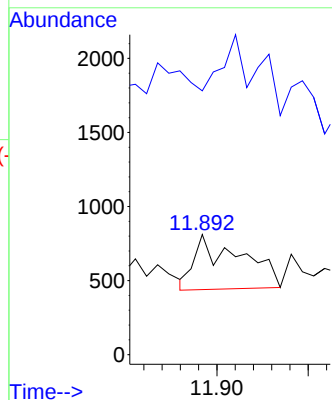


#69
o-Xylene
Concen: 1.344 ug/l
RT: 11.892 min Scan# 11
Delta R.T. -0.140 min
Lab File: VY015956.D
Acq: 13 Oct 2023 14:44

Instrument :
MSVOA_Y
ClientSampleId :

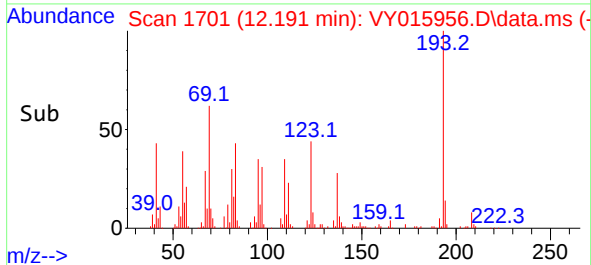
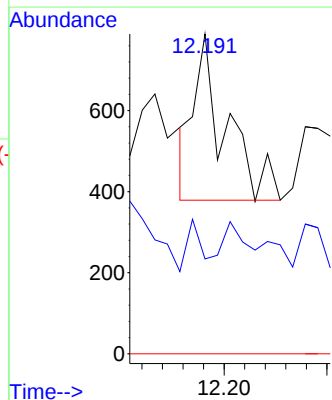
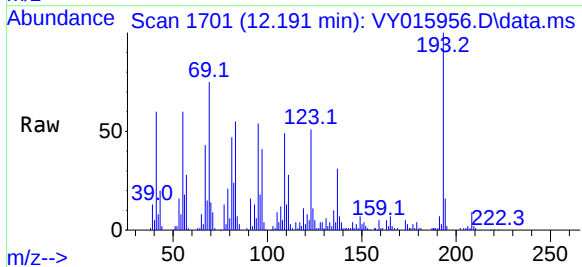


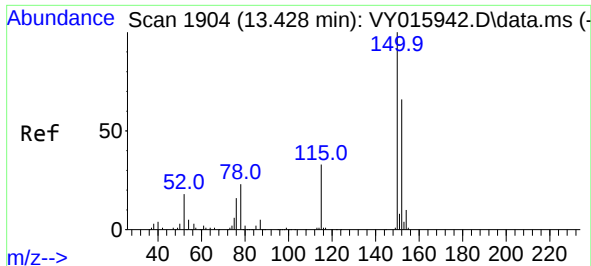
Tgt Ion:106 Resp: 650
Ion Ratio Lower Upper
106 100
91 135.7 108.1 324.3



#71
Bromoform
Concen: 1.862 ug/l
RT: 12.191 min Scan# 1701
Delta R.T. -0.018 min
Lab File: VY015956.D
Acq: 13 Oct 2023 14:44

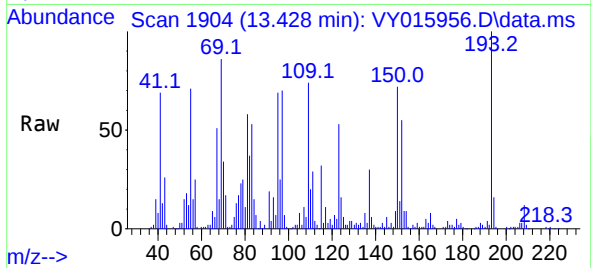
Tgt Ion:173 Resp: 440
Ion Ratio Lower Upper
173 100
175 13.4 24.6 73.8#
254 0.0 0.2 0.2#



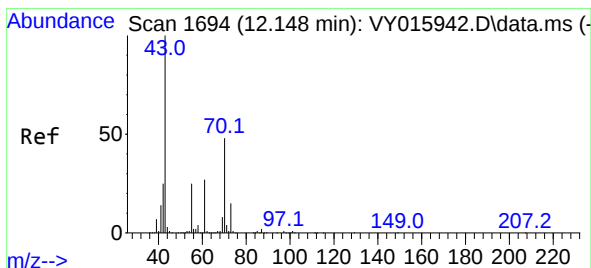
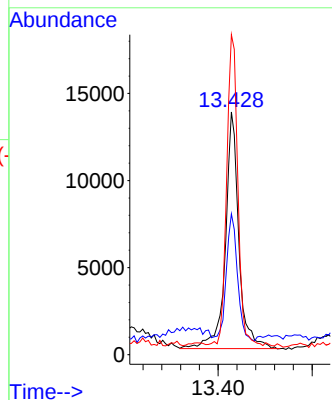
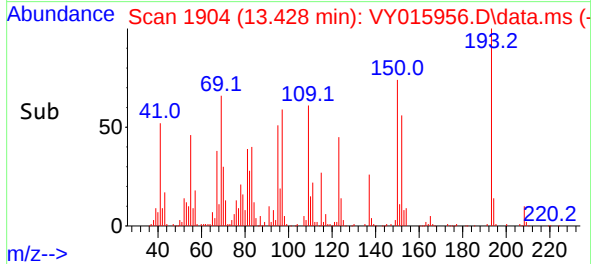


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY015956.D
Acq: 13 Oct 2023 14:44

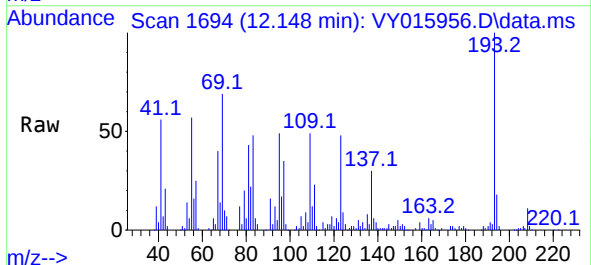
Instrument :
MSVOA_Y
ClientSampleId :



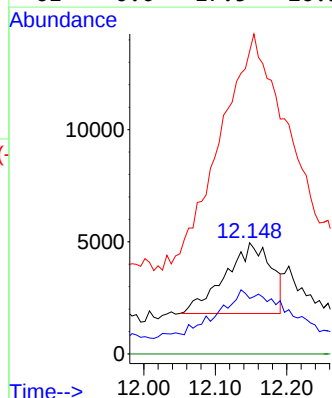
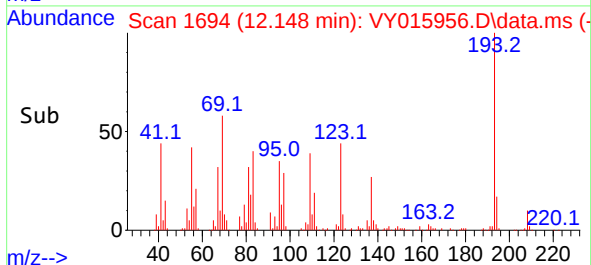
Tgt Ion:152 Resp: 27156
Ion Ratio Lower Upper
152 100
115 44.6 28.8 86.5
150 108.4 0.0 348.8

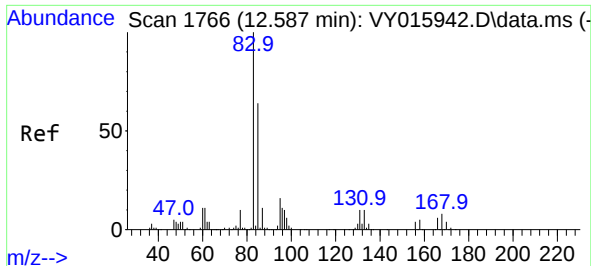


#74
N-ethyl acetate
Concen: 18.281 ug/l
RT: 12.148 min Scan# 1694
Delta R.T. 0.000 min
Lab File: VY015956.D
Acq: 13 Oct 2023 14:44



Tgt Ion: 43 Resp: 14198
Ion Ratio Lower Upper
43 100
70 50.6 29.7 44.5#
55 522.3 18.3 27.5#
61 0.0 17.5 26.3#

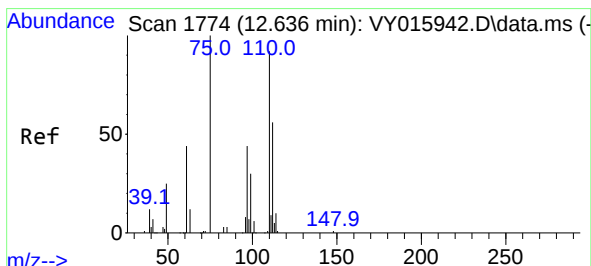
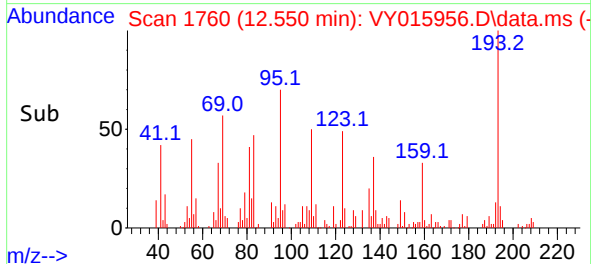
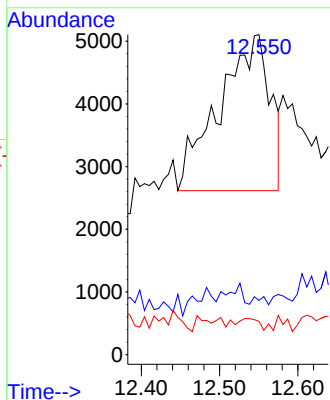
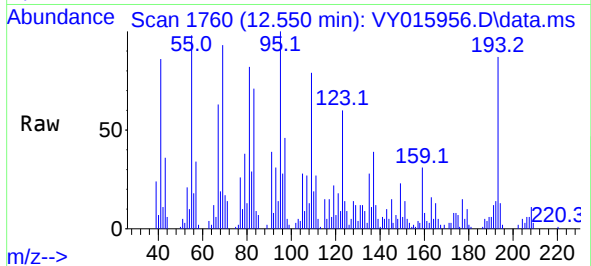




#75
1,1,2,2-Tetrachloroethane
Concen: 19.095 ug/l
RT: 12.550 min Scan# 11
Delta R.T. -0.036 min
Lab File: VY015956.D
Acq: 13 Oct 2023 14:44

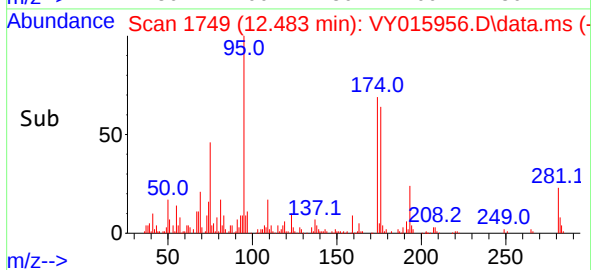
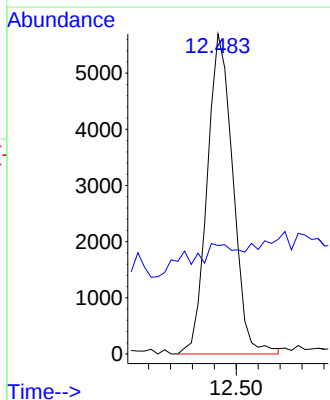
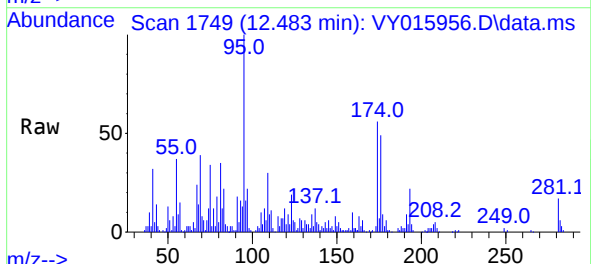
Instrument :
MSVOA_Y
ClientSampleId :

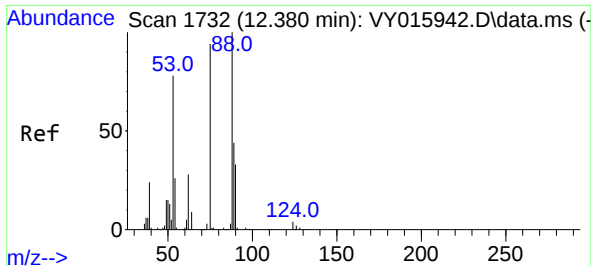
Tgt Ion: 83 Resp: 11275
Ion Ratio Lower Upper
83 100
131 1.1 5.4 16.2#
85 0.0 31.8 95.4#



#76
1,2,3-Trichloropropane
Concen: 17.499 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY015956.D
Acq: 13 Oct 2023 14:44

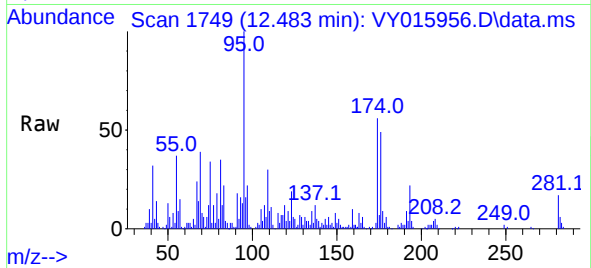
Tgt Ion: 75 Resp: 9300
Ion Ratio Lower Upper
75 100
77 6.5 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 41.223 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY015956.D
Acq: 13 Oct 2023 14:44

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.8	116.8#
89	0.6	37.4	56.0#

