

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032825\
 Data File : VY021698.D
 Acq On : 28 Mar 2025 17:35
 Operator : SY/MD
 Sample : Q1664-07
 Misc : 3.44g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P001-BBDGA-001-02

Quant Time: Mar 28 23:46:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

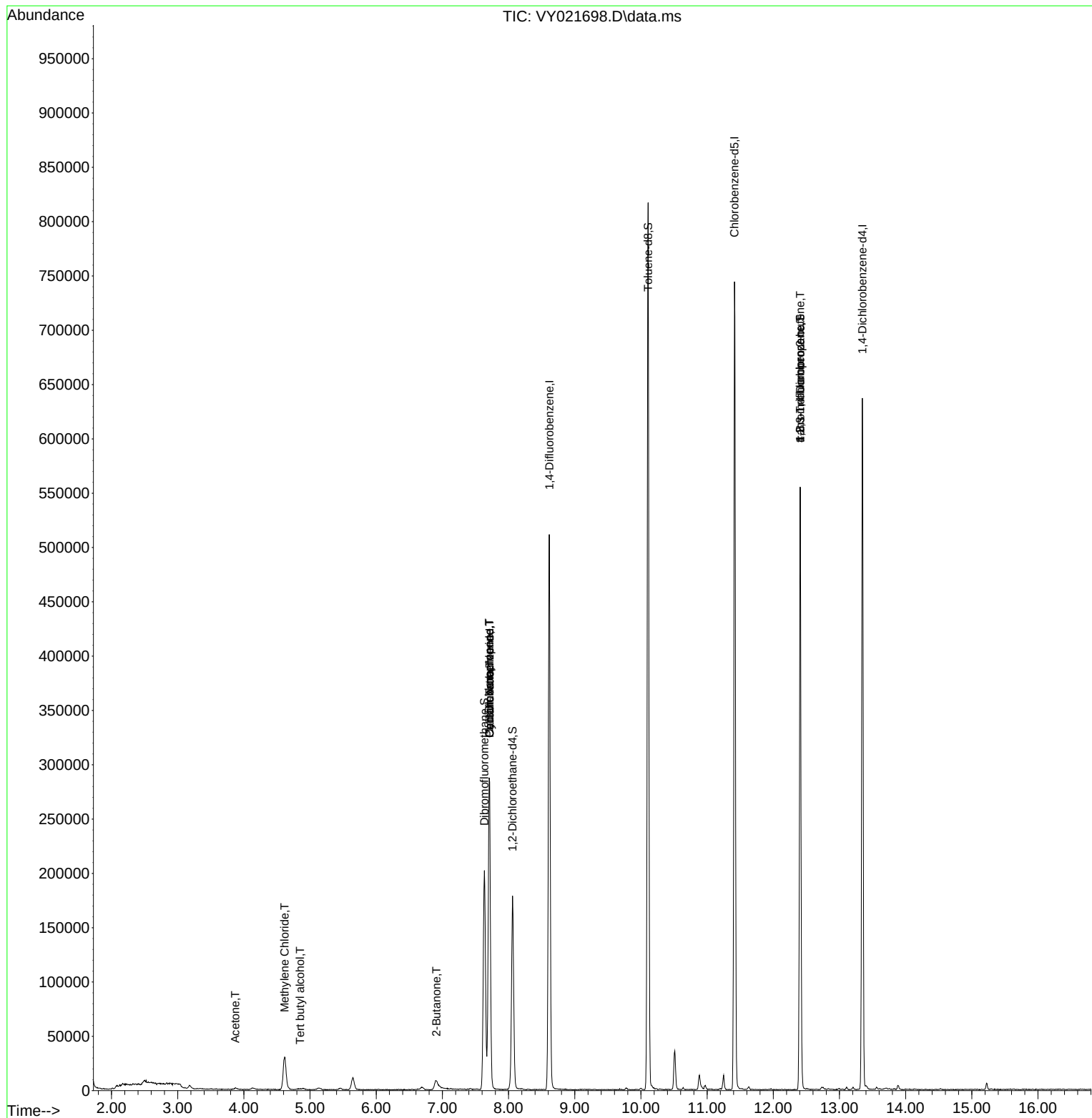
Internal Standards							
1) Pentafluorobenzene		7.713	168	217380	50.000	ug/l	0.00
34) 1,4-Difluorobenzene		8.615	114	413595	50.000	ug/l	0.00
63) Chlorobenzene-d5		11.413	117	382406	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4		13.346	152	153193	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4		8.060	65	135307	57.449	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.900%	
35) Dibromofluoromethane		7.634	113	140499	52.368	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.740%	
50) Toluene-d8		10.109	98	512193	50.182	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.360%	
62) 4-Bromofluorobenzene		12.407	95	157595	45.648	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.300%	
Target Compounds							
11) Tert butyl alcohol		4.848	59	216	1.412	ug/l	Qvalue 95
16) Acetone		3.872	43	2551	5.292	ug/l #	87
20) Methylene Chloride		4.616	84	22280	6.046	ug/l	91
25) 2-Butanone		6.908	43	855	1.242	ug/l #	48
31) Cyclohexane		7.713	56	5517	1.327	ug/l #	1
36) 1,1-Dichloropropene		7.707	75	19898	4.869	ug/l #	50
38) Carbon Tetrachloride		7.713	117	21883	4.675	ug/l #	16
76) 1,2,3-Trichloropropane		12.407	75	85162	56.082	ug/l #	100
81) trans-1,4-Dichloro-2-b...		12.407	75	85162	129.222	ug/l #	12

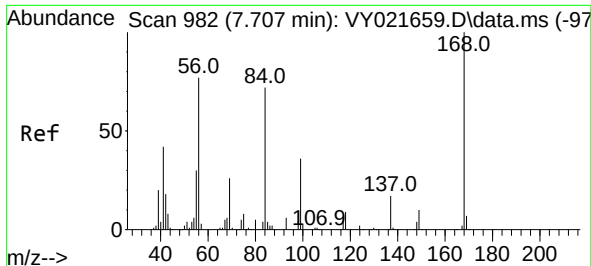
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032825\
Data File : VY021698.D
Acq On : 28 Mar 2025 17:35
Operator : SY/MD
Sample : Q1664-07
Misc : 3.44g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-001-02

Quant Time: Mar 28 23:46:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

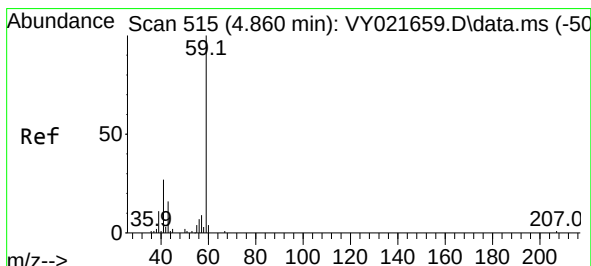
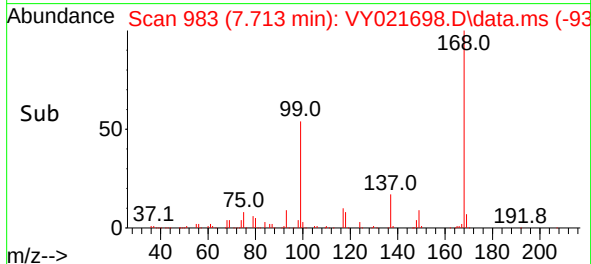
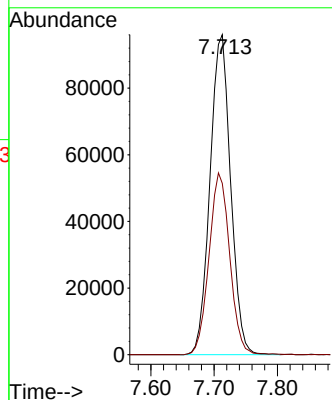
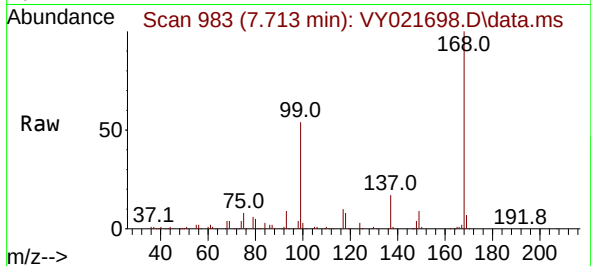




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021698.D
Acq: 28 Mar 2025 17:35

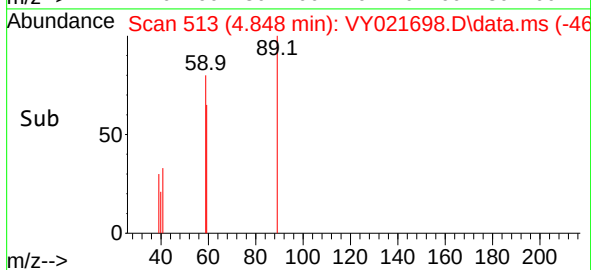
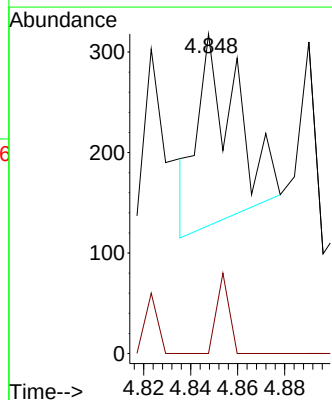
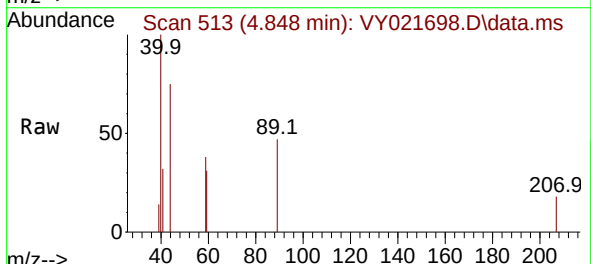
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-001-02

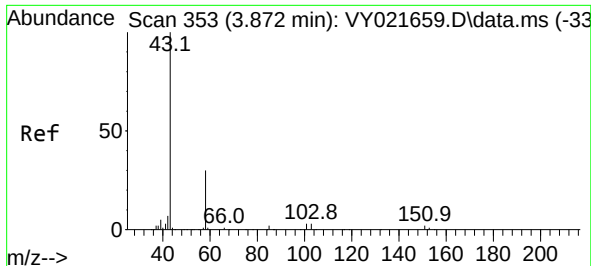
Tgt Ion:168 Resp: 217380
Ion Ratio Lower Upper
168 100
99 53.5 46.7 70.1



#11
Tert butyl alcohol
Concen: 1.412 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY021698.D
Acq: 28 Mar 2025 17:35

Tgt Ion: 59 Resp: 216
Ion Ratio Lower Upper
59 100
57 13.4 9.2 13.8





#16

Acetone

Concen: 5.292 ug/l

RT: 3.872 min Scan# 353

Delta R.T. -0.000 min

Lab File: VY021698.D

Acq: 28 Mar 2025 17:35

Instrument :

MSVOA_Y

ClientSampleId :

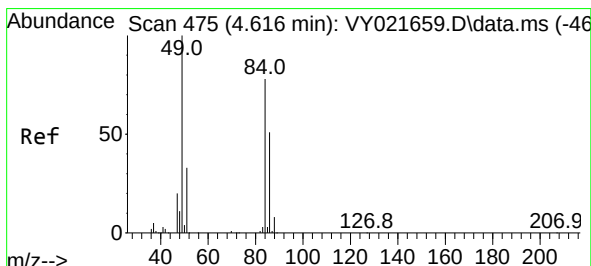
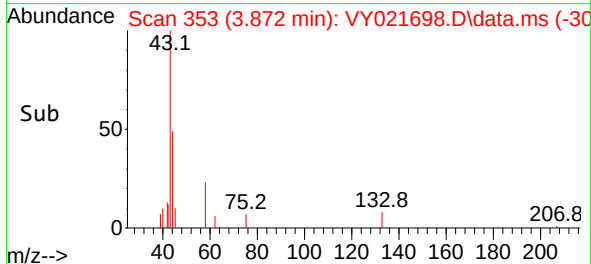
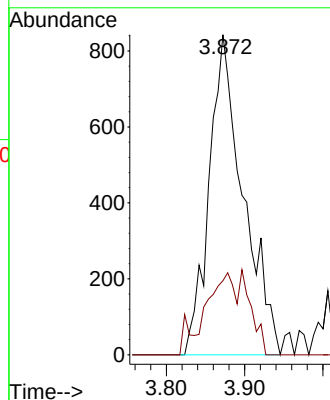
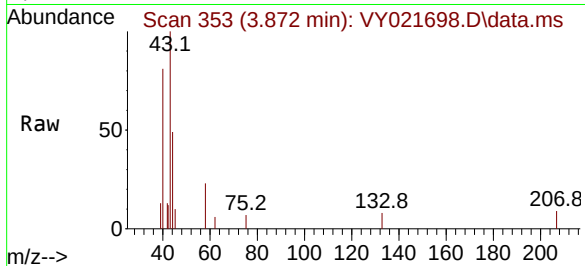
P001-BBDGA-001-02

Tgt Ion: 43 Resp: 2551

Ion Ratio Lower Upper

43 100

58 23.1 24.2 36.4#



#20

Methylene Chloride

Concen: 6.046 ug/l

RT: 4.616 min Scan# 475

Delta R.T. -0.000 min

Lab File: VY021698.D

Acq: 28 Mar 2025 17:35

Tgt Ion: 84 Resp: 22280

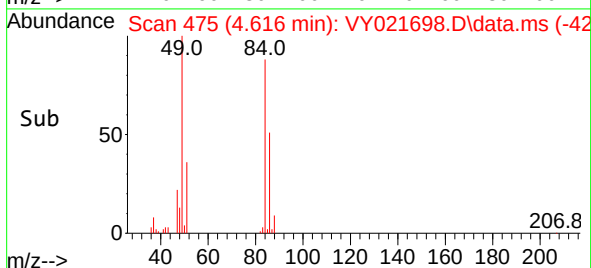
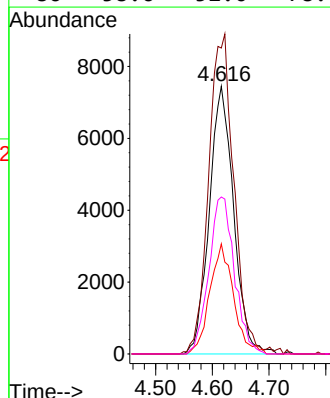
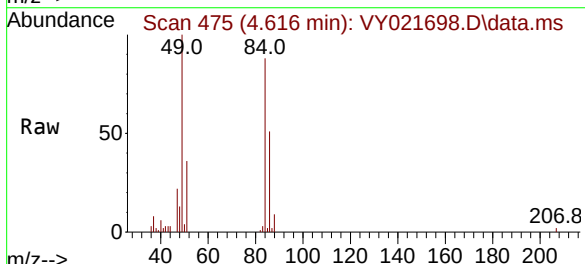
Ion Ratio Lower Upper

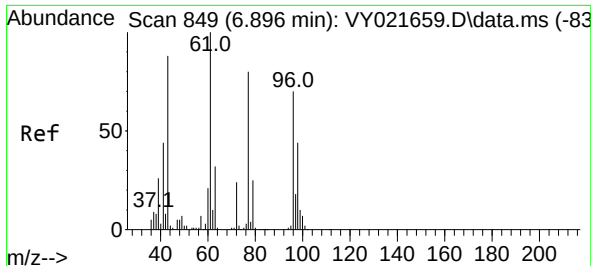
84 100

49 114.3 102.8 154.2

51 41.1 33.5 50.3

86 58.6 52.0 78.0

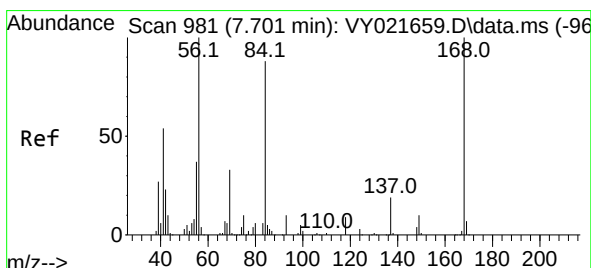
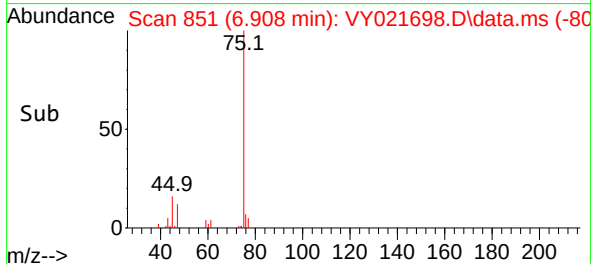
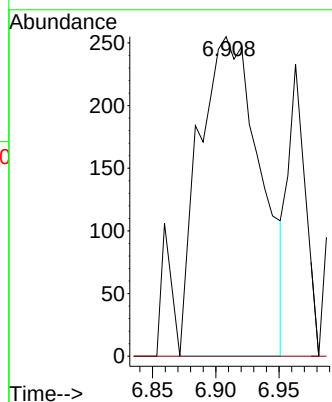
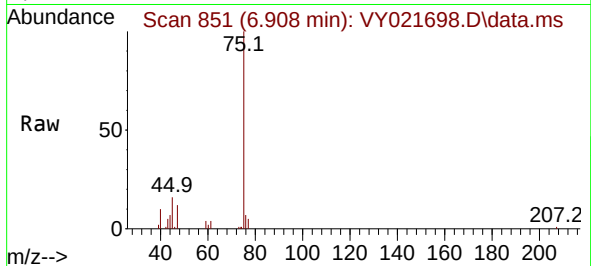




#25
2-Butanone
Concen: 1.242 ug/l
RT: 6.908 min Scan# 81
Delta R.T. 0.012 min
Lab File: VY021698.D
Acq: 28 Mar 2025 17:35

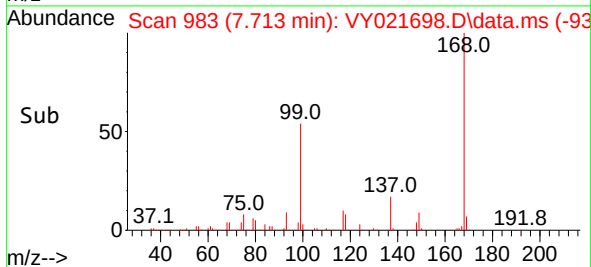
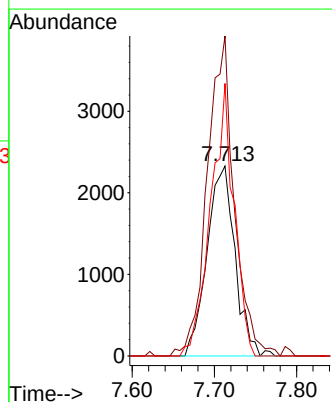
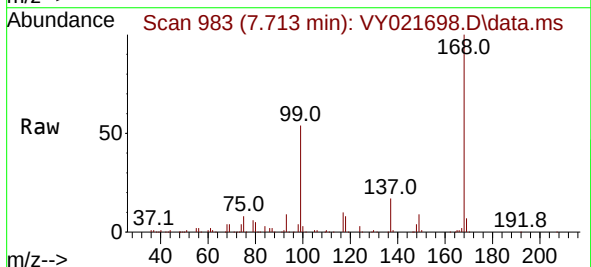
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-001-02

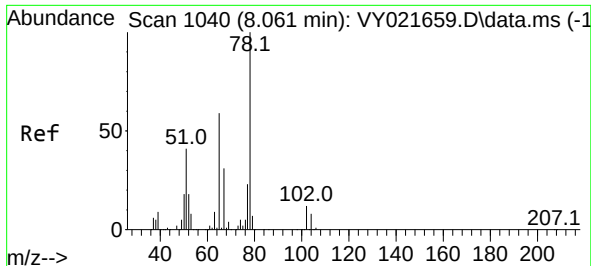
Tgt Ion: 43 Resp: 855
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



#31
Cyclohexane
Concen: 1.327 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY021698.D
Acq: 28 Mar 2025 17:35

Tgt Ion: 56 Resp: 5517
Ion Ratio Lower Upper
56 100
69 168.4 26.6 40.0#
84 143.5 69.0 103.4#





#33

1,2-Dichloroethane-d4

Concen: 57.449 ug/l

RT: 8.060 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY021698.D

Acq: 28 Mar 2025 17:35

Instrument :

MSVOA_Y

ClientSampleId :

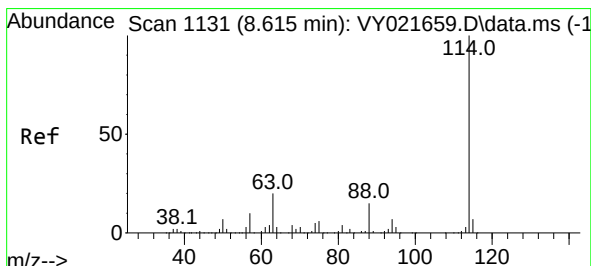
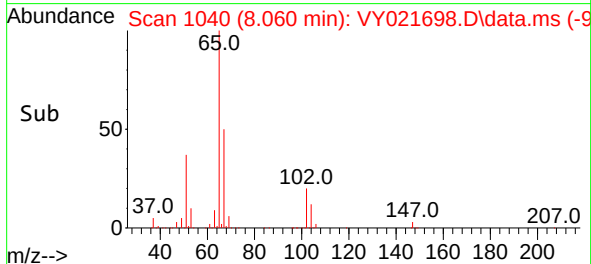
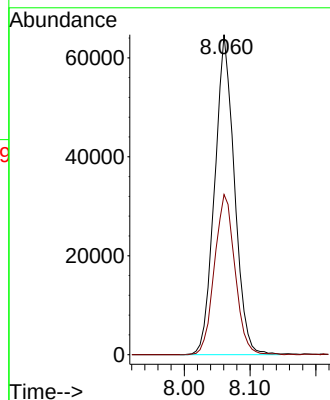
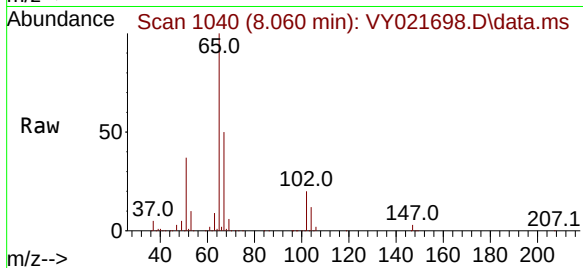
P001-BBDGA-001-02

Tgt Ion: 65 Resp: 135307

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021698.D

Acq: 28 Mar 2025 17:35

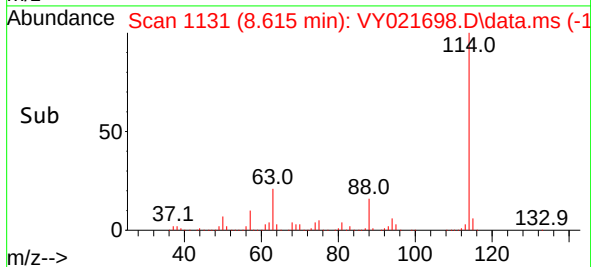
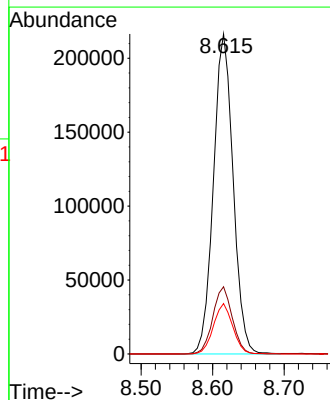
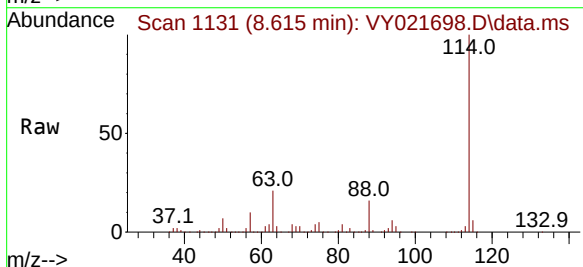
Tgt Ion: 114 Resp: 413595

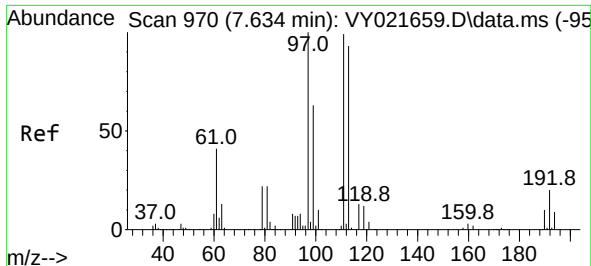
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.2

88 15.7 0.0 29.8

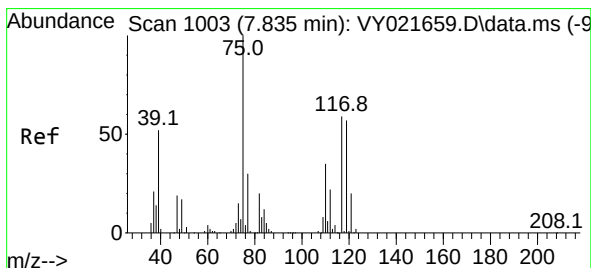
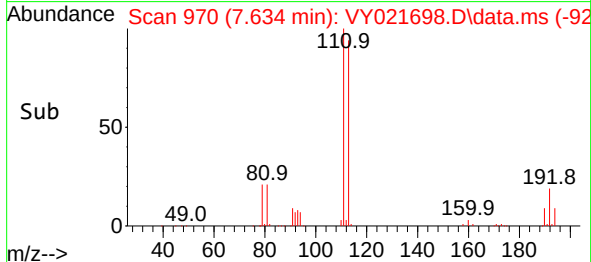
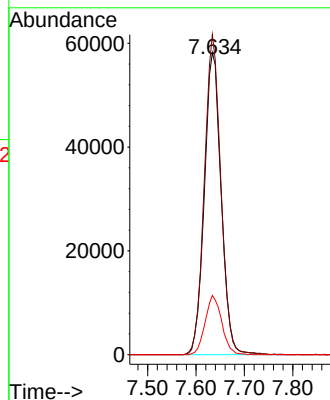
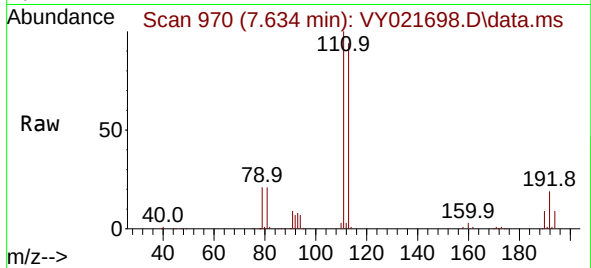




#35
Dibromofluoromethane
Concen: 52.368 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021698.D
Acq: 28 Mar 2025 17:35

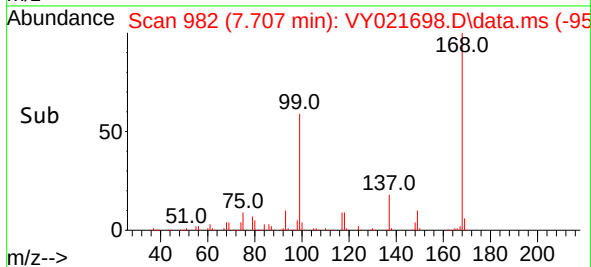
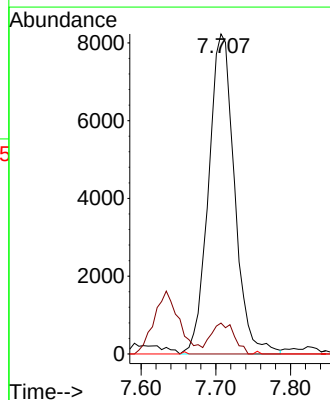
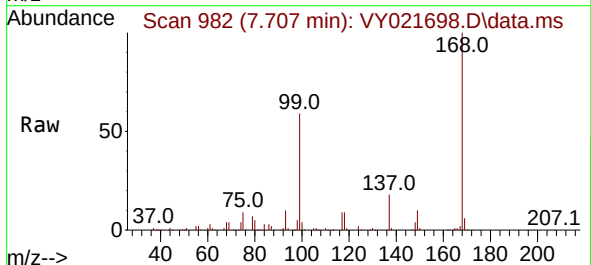
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-001-02

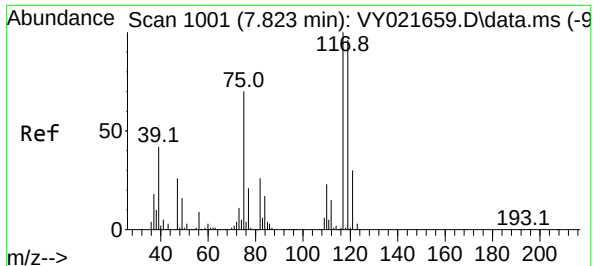
Tgt Ion:113 Resp: 140499
Ion Ratio Lower Upper
113 100
111 103.8 82.6 123.8
192 19.4 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.869 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021698.D
Acq: 28 Mar 2025 17:35

Tgt Ion: 75 Resp: 19898
Ion Ratio Lower Upper
75 100
110 8.6 17.0 50.9#
77 0.0 24.8 37.2#

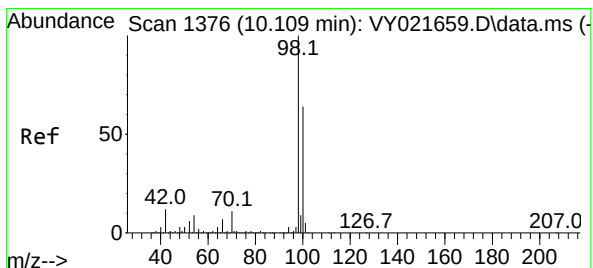
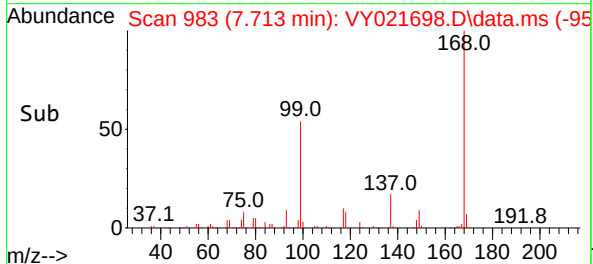
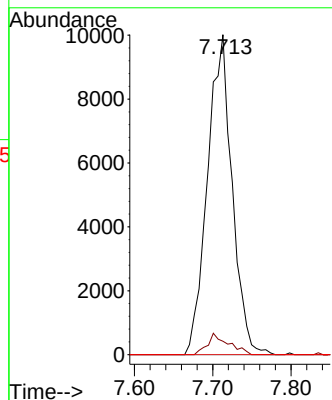
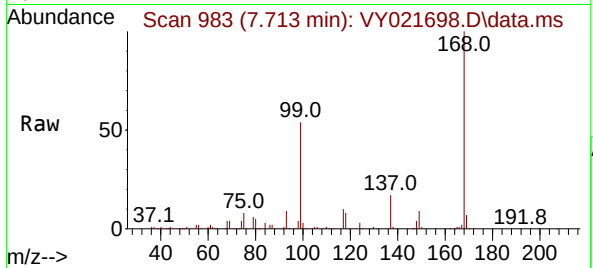




#38
Carbon Tetrachloride
Concen: 4.675 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY021698.D
Acq: 28 Mar 2025 17:35

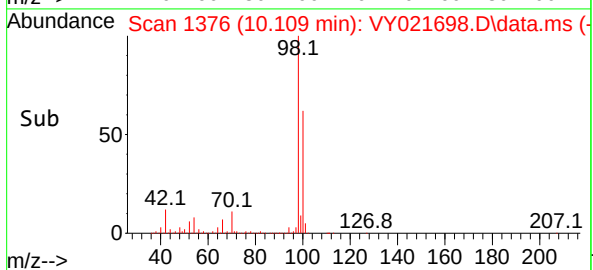
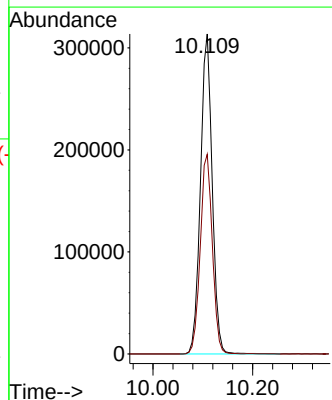
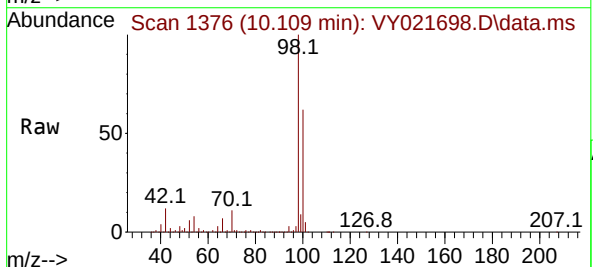
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-001-02

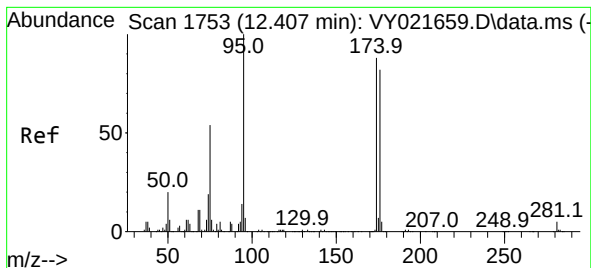
Tgt Ion:117 Resp: 21883
Ion Ratio Lower Upper
117 100
119 4.2 76.2 114.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 50.182 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021698.D
Acq: 28 Mar 2025 17:35

Tgt Ion: 98 Resp: 512193
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1

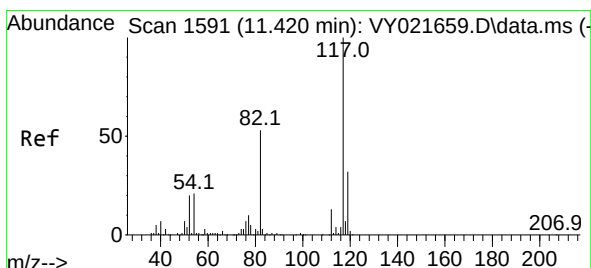
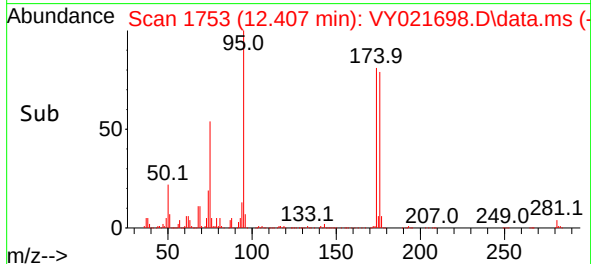
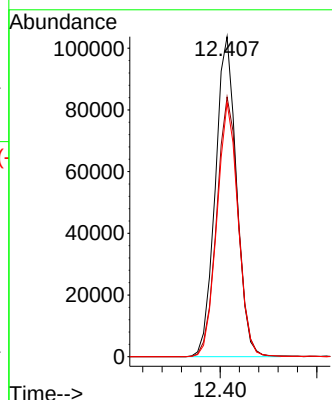
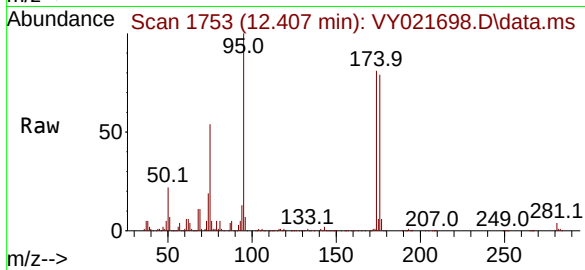




#62
4-Bromofluorobenzene
Concen: 45.648 ug/l
RT: 12.407 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021698.D
Acq: 28 Mar 2025 17:35

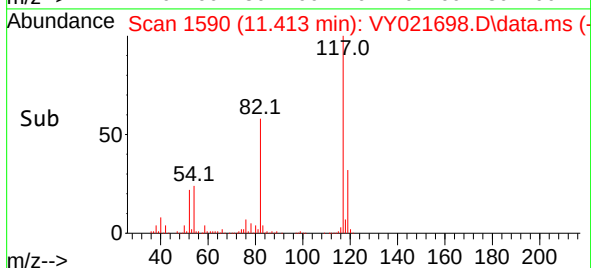
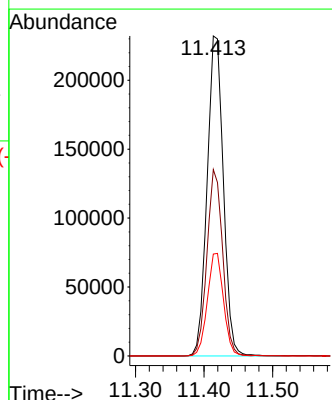
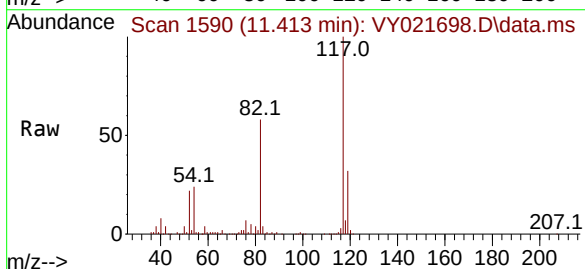
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-001-02

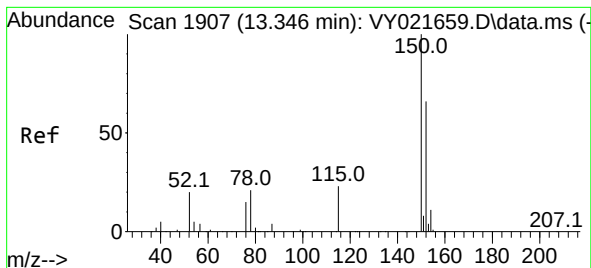
Tgt Ion: 95 Resp: 157595
Ion Ratio Lower Upper
95 100
174 82.8 0.0 170.8
176 79.0 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.413 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021698.D
Acq: 28 Mar 2025 17:35

Tgt Ion: 117 Resp: 382406
Ion Ratio Lower Upper
117 100
82 58.2 42.8 64.2
119 31.9 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY021698.D

Acq: 28 Mar 2025 17:35

Instrument :

MSVOA_Y

ClientSampleId :

P001-BBDGA-001-02

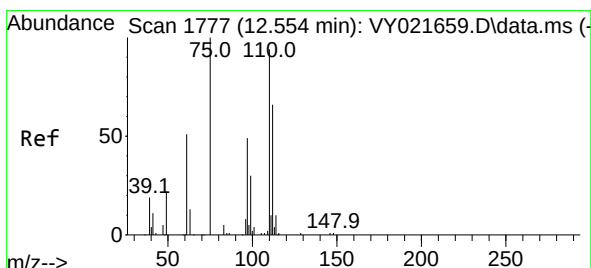
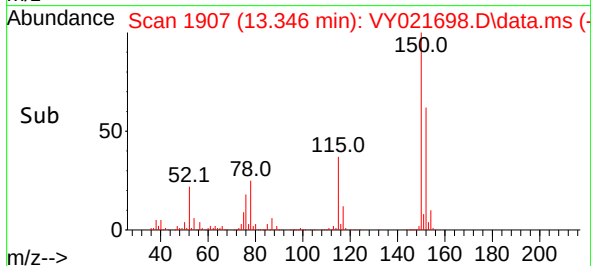
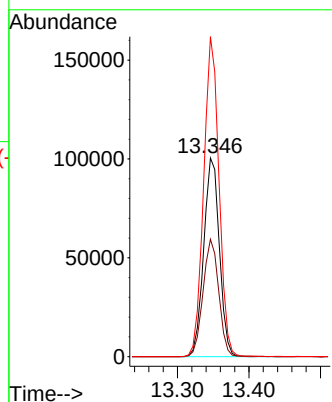
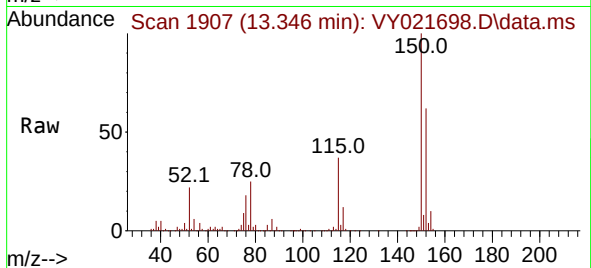
Tgt Ion:152 Resp: 153193

Ion Ratio Lower Upper

152 100

115 59.0 28.8 86.5

150 157.2 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 56.082 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.147 min

Lab File: VY021698.D

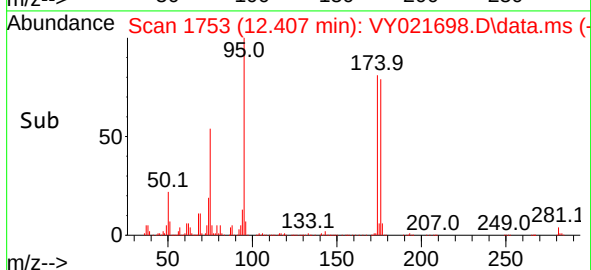
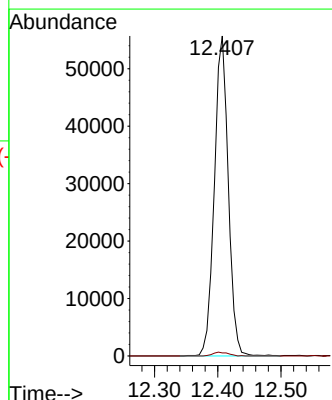
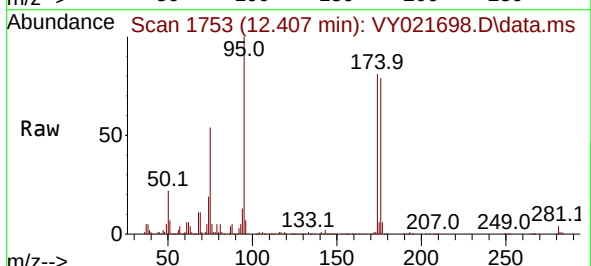
Acq: 28 Mar 2025 17:35

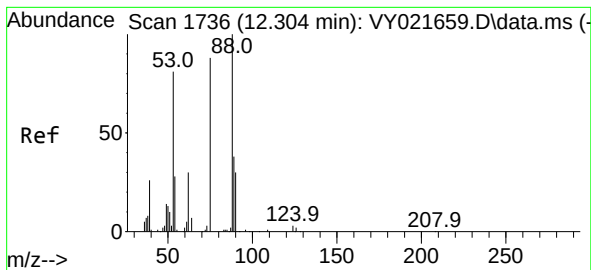
Tgt Ion: 75 Resp: 85162

Ion Ratio Lower Upper

75 100

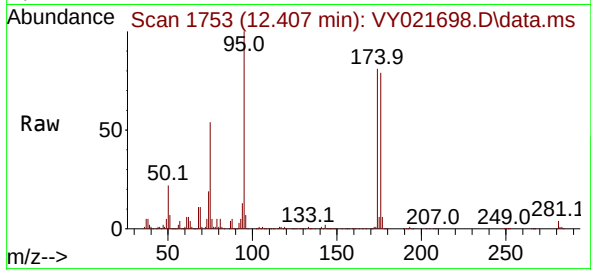
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.222 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY021698.D
 Acq: 28 Mar 2025 17:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 P001-BBDGA-001-02



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	76.1	114.1#
89	0.2	36.2	54.4#

