

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032125\
 Data File : VY021599.D
 Acq On : 21 Mar 2025 15:02
 Operator : SY/MD
 Sample : Q1619-09
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3

Quant Time: Mar 21 23:11:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	222178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	425843	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	398914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	160390	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	158313	67.416	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	134.840%
35) Dibromofluoromethane	7.634	113	148548	53.069	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.140%
50) Toluene-d8	10.103	98	525783	49.610	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.220%
62) 4-Bromofluorobenzene	12.408	95	169261	46.950	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.900%

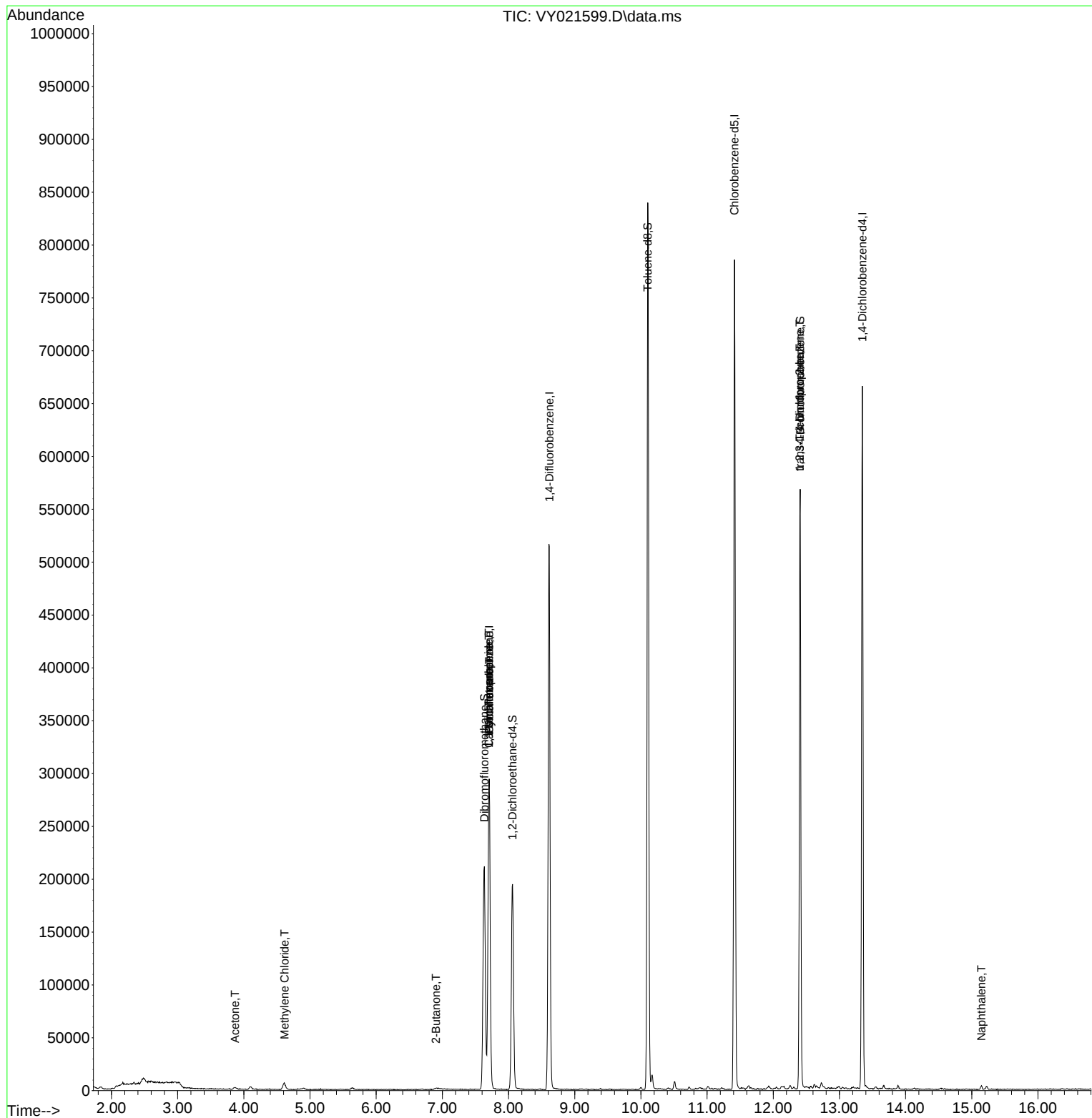
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.860	59	287	Below Cal	#	72
16) Acetone	3.866	43	2887	5.637	ug/l #	88
20) Methylene Chloride	4.616	84	3659	1.361	ug/l #	81
25) 2-Butanone	6.902	43	1452	2.049	ug/l	99
31) Cyclohexane	7.707	56	5054	1.149	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	18558	4.236	ug/l #	51
38) Carbon Tetrachloride	7.701	117	23370	4.638	ug/l #	18
76) 1,2,3-Trichloropropane	12.401	75	89860	55.599	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	89860	126.393	ug/l #	9
95) Naphthalene	15.145	128	2789	2.090	ug/l #	93

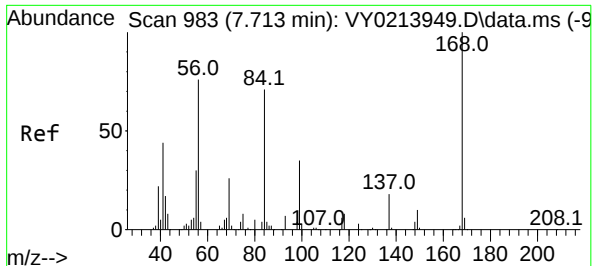
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032125\
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Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
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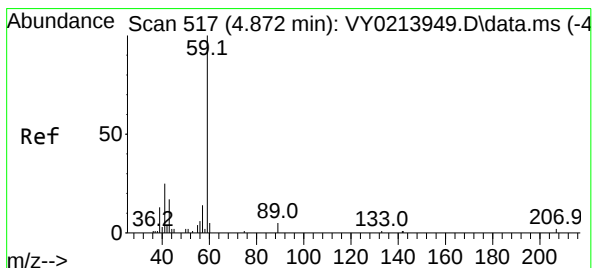
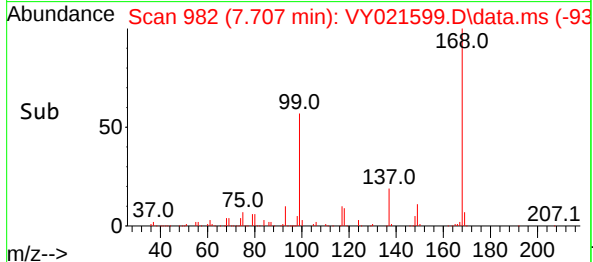
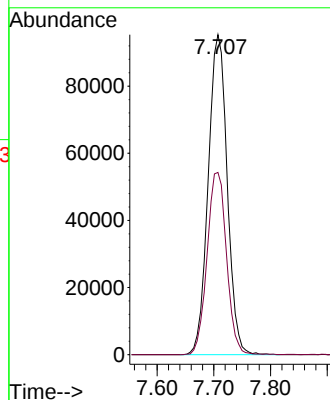
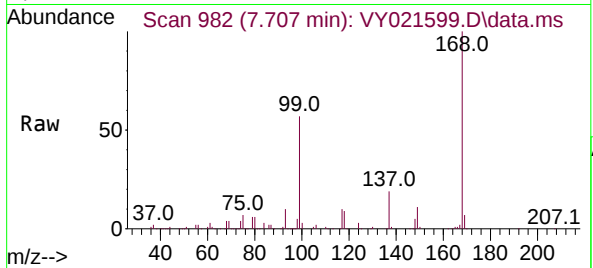




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021599.D
Acq: 21 Mar 2025 15:02

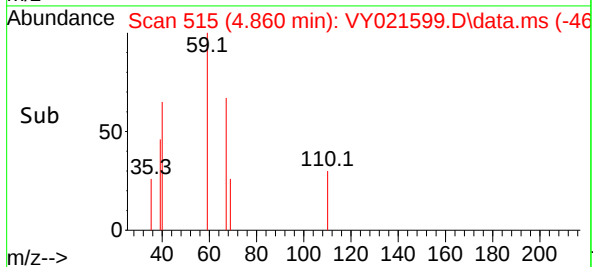
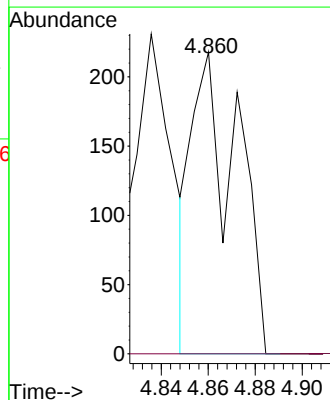
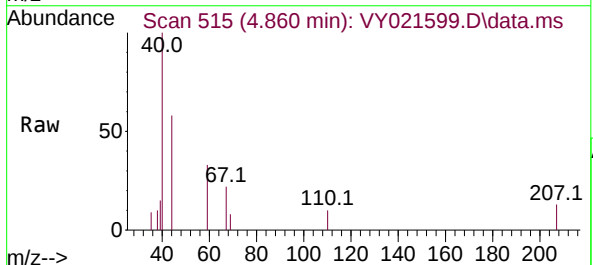
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MSVOA_Y
ClientSampleId :
TP-3

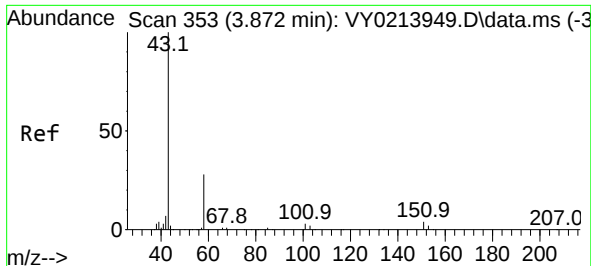
Tgt Ion:168 Resp: 222178
Ion Ratio Lower Upper
168 100
99 56.9 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.860 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY021599.D
Acq: 21 Mar 2025 15:02

Tgt Ion: 59 Resp: 287
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

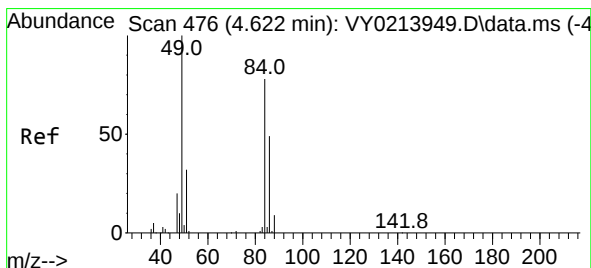
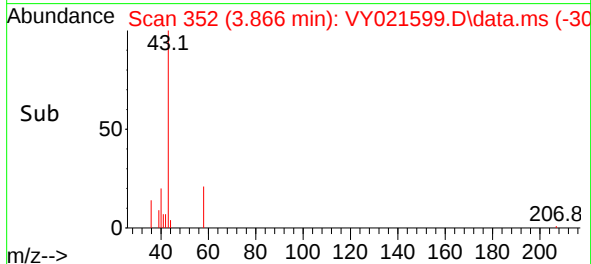
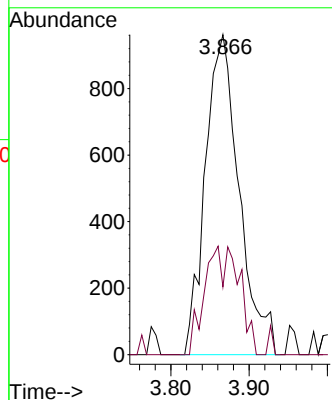
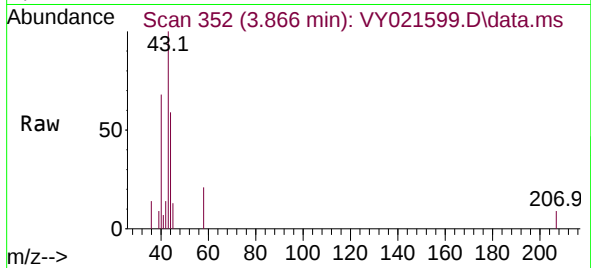




#16
Acetone
Concen: 5.637 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY021599.D
Acq: 21 Mar 2025 15:02

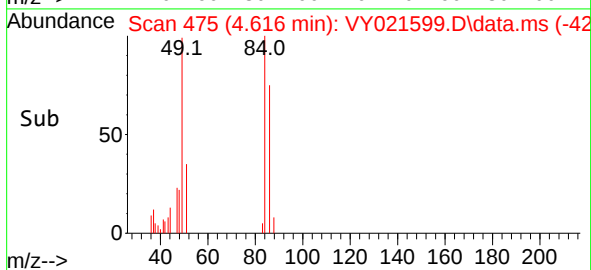
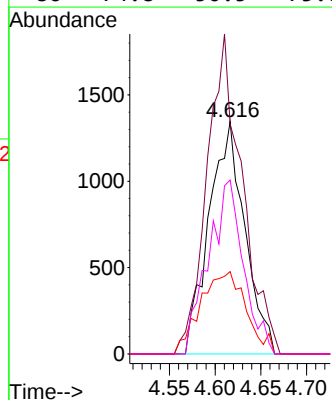
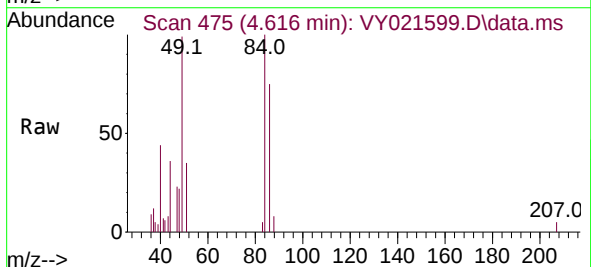
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

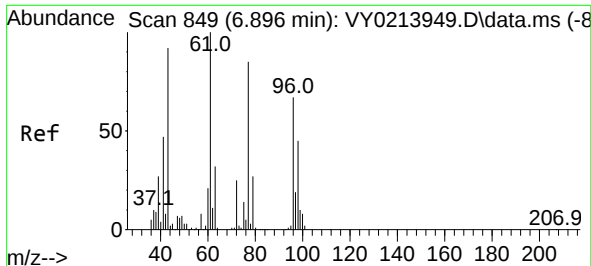
Tgt Ion: 43 Resp: 2887
Ion Ratio Lower Upper
43 100
58 21.2 22.1 33.1#



#20
Methylene Chloride
Concen: 1.361 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY021599.D
Acq: 21 Mar 2025 15:02

Tgt Ion: 84 Resp: 3659
Ion Ratio Lower Upper
84 100
49 98.9 102.0 153.0#
51 35.4 33.0 49.6
86 74.8 50.5 75.7





#25

2-Butanone

Concen: 2.049 ug/l

RT: 6.902 min Scan# 849

Delta R.T. 0.006 min

Lab File: VY021599.D

Acq: 21 Mar 2025 15:02

Instrument :

MSVOA_Y

ClientSampleId :

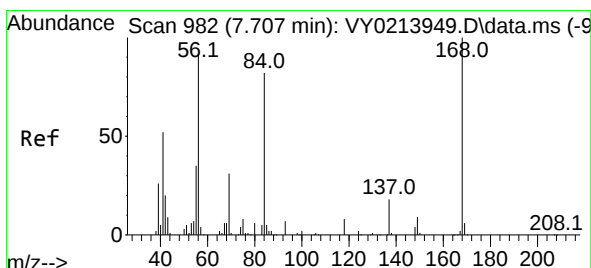
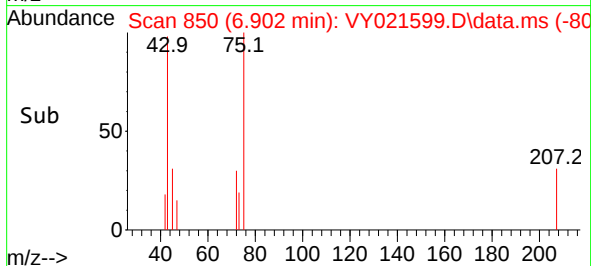
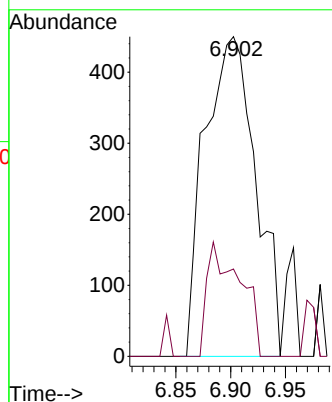
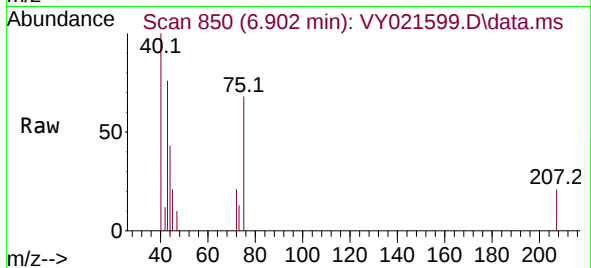
TP-3

Tgt Ion: 43 Resp: 1452

Ion Ratio Lower Upper

43 100

72 27.3 21.4 32.0



#31

Cyclohexane

Concen: 1.149 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.000 min

Lab File: VY021599.D

Acq: 21 Mar 2025 15:02

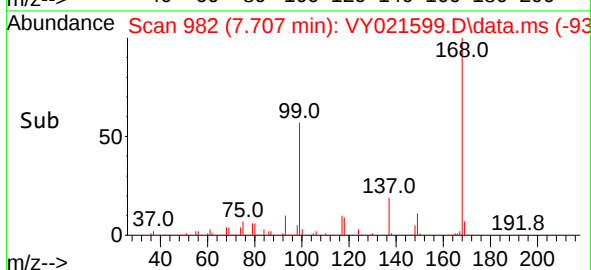
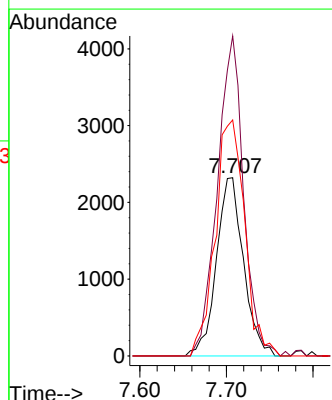
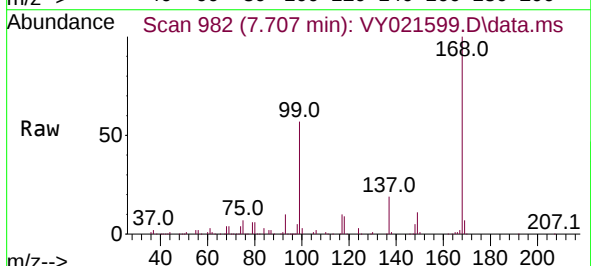
Tgt Ion: 56 Resp: 5054

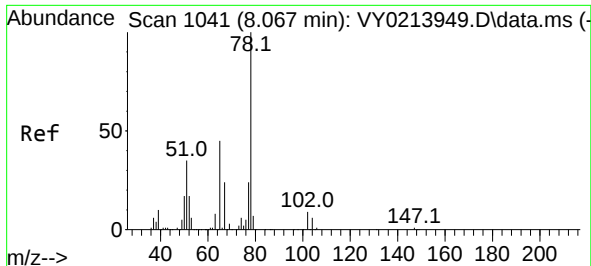
Ion Ratio Lower Upper

56 100

69 179.6 27.0 40.4#

84 132.4 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 67.416 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY021599.D

Acq: 21 Mar 2025 15:02

Instrument :

MSVOA_Y

ClientSampleId :

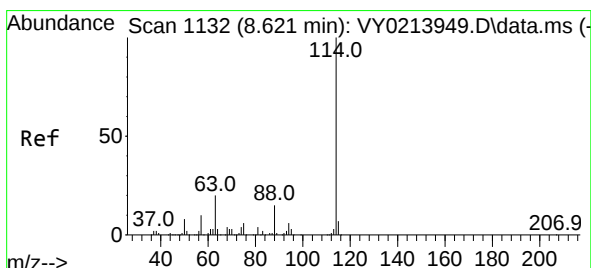
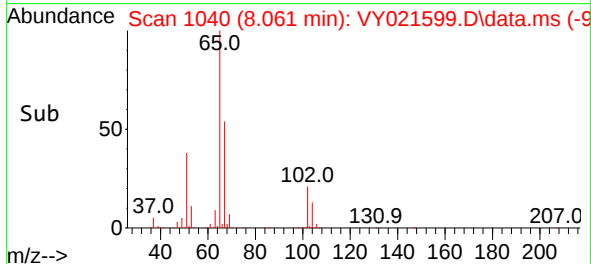
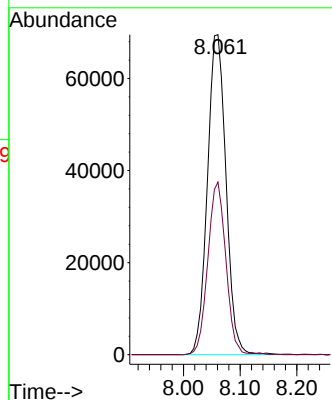
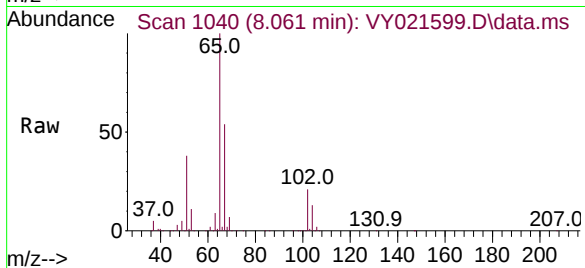
TP-3

Tgt Ion: 65 Resp: 158313

Ion Ratio Lower Upper

65 100

67 52.3 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021599.D

Acq: 21 Mar 2025 15:02

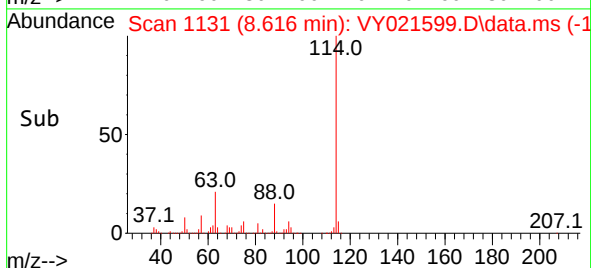
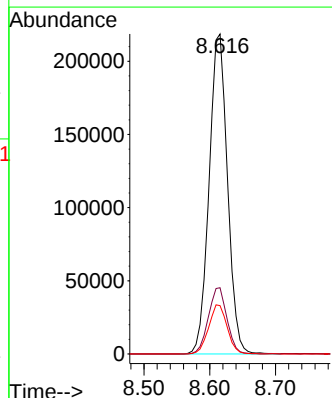
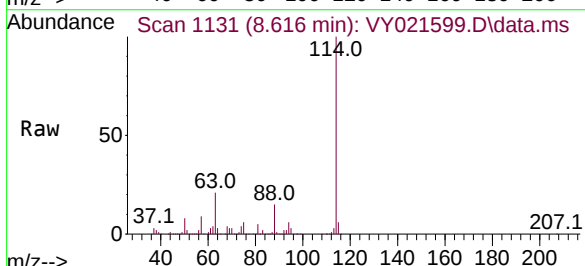
Tgt Ion: 114 Resp: 425843

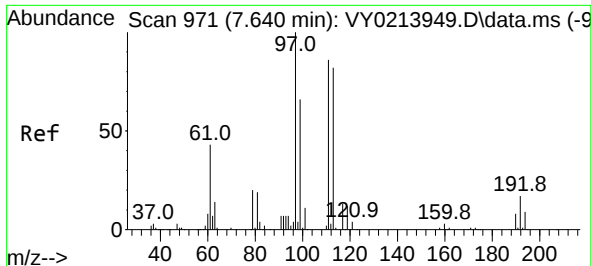
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

88 15.1 0.0 30.8

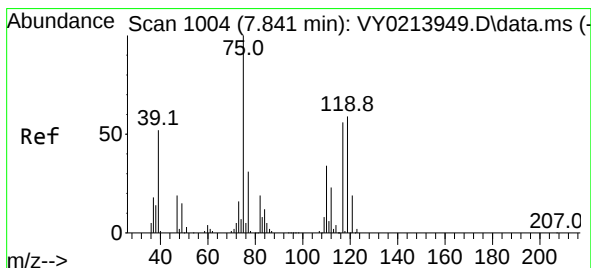
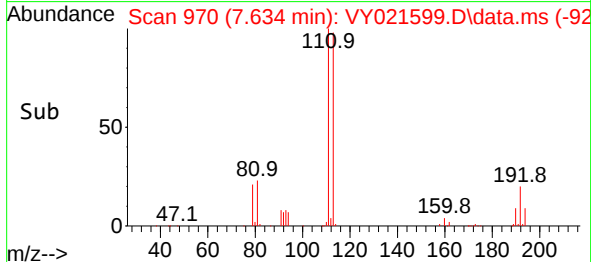
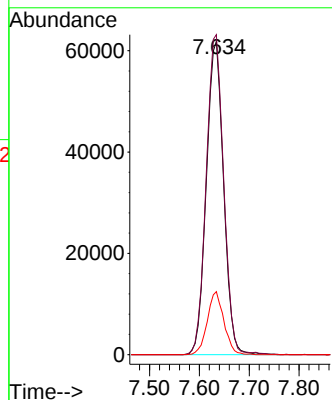
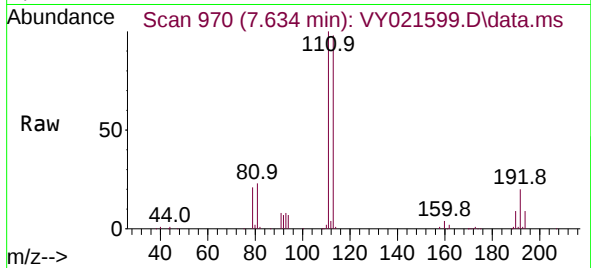




#35
Dibromofluoromethane
Concen: 53.069 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021599.D
Acq: 21 Mar 2025 15:02

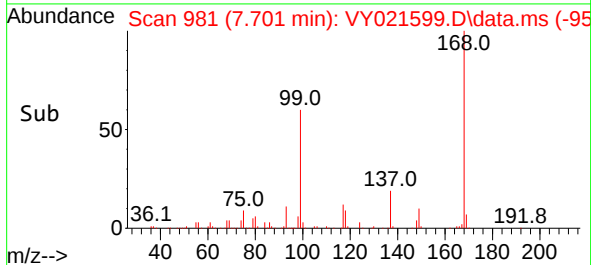
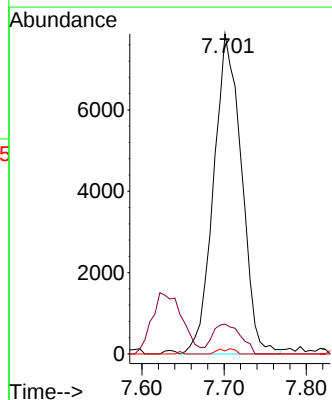
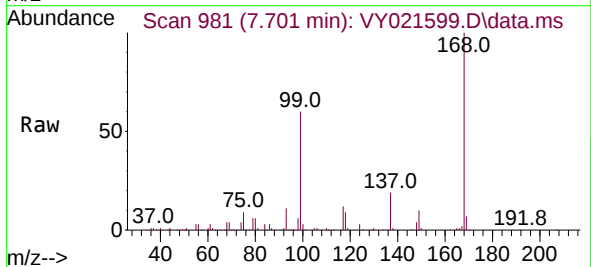
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

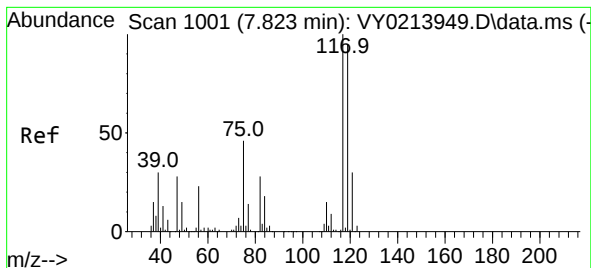
Tgt Ion:113 Resp: 148548
Ion Ratio Lower Upper
113 100
111 103.6 82.0 123.0
192 19.4 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.236 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY021599.D
Acq: 21 Mar 2025 15:02

Tgt Ion: 75 Resp: 18558
Ion Ratio Lower Upper
75 100
110 9.6 17.3 51.7#
77 1.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 4.638 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY021599.D

Acq: 21 Mar 2025 15:02

Instrument :

MSVOA_Y

ClientSampleId :

TP-3

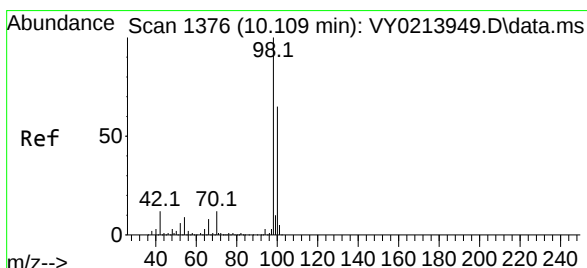
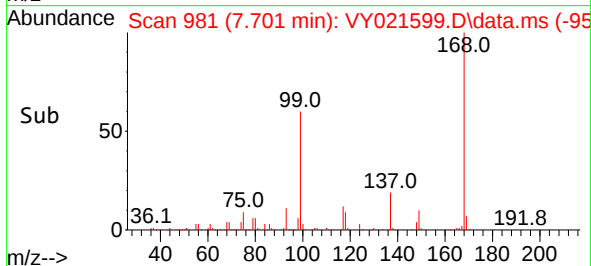
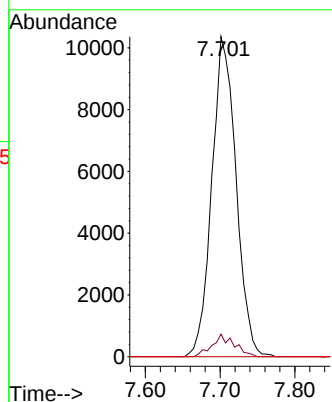
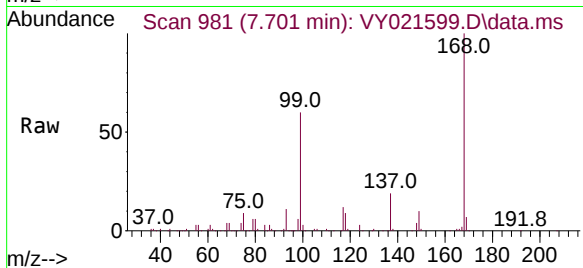
Tgt Ion:117 Resp: 23370

Ion Ratio Lower Upper

117 100

119 7.1 75.8 113.8#

121 0.0 23.9 35.9#



#50

Toluene-d8

Concen: 49.610 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY021599.D

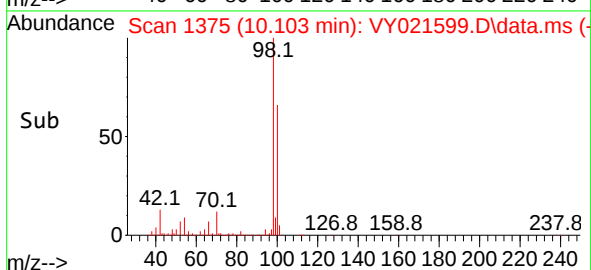
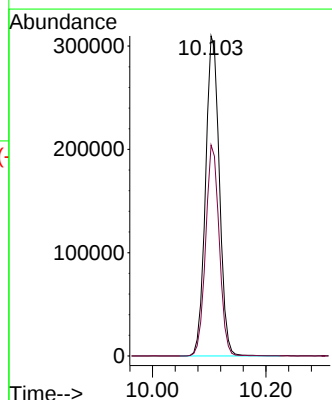
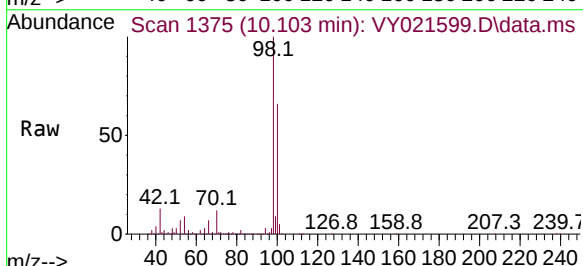
Acq: 21 Mar 2025 15:02

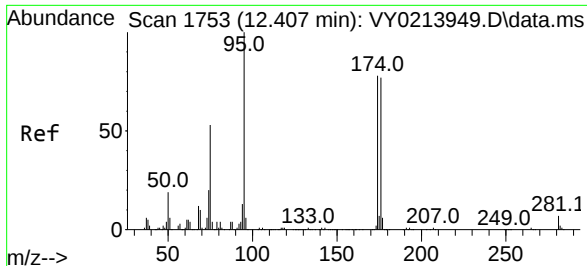
Tgt Ion: 98 Resp: 525783

Ion Ratio Lower Upper

98 100

100 64.6 52.1 78.1

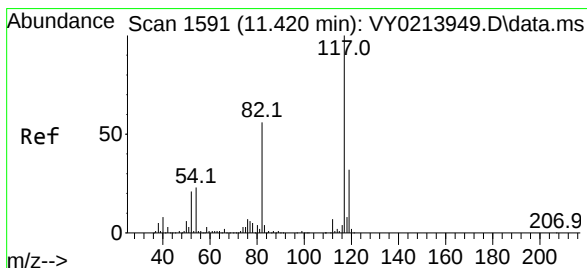
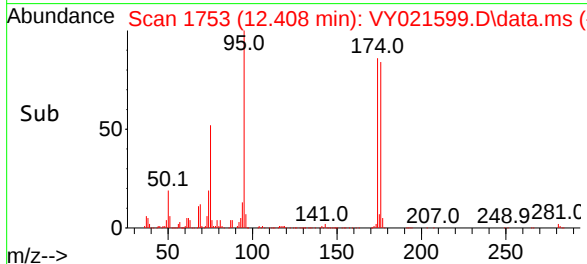
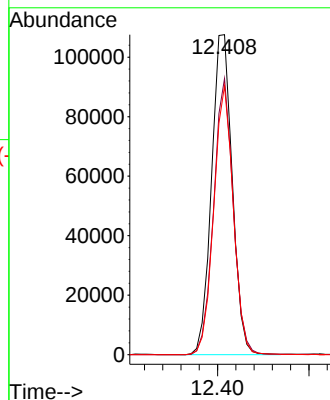
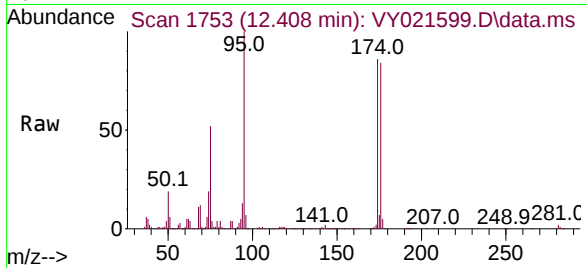




#62
4-Bromofluorobenzene
Concen: 46.950 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021599.D
Acq: 21 Mar 2025 15:02

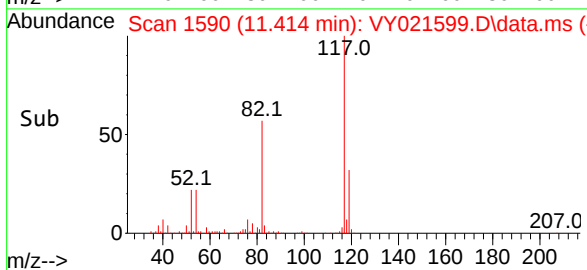
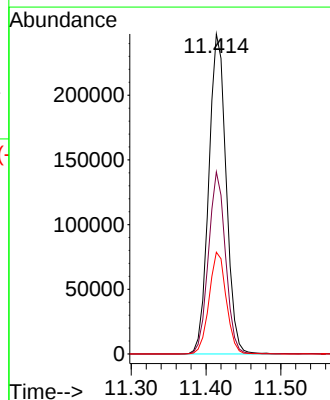
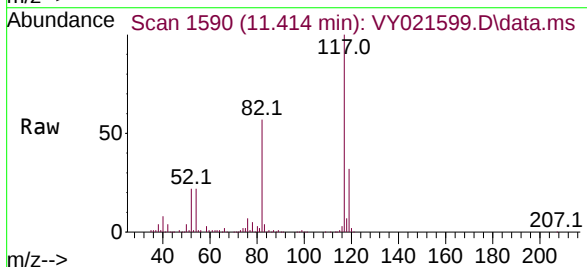
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

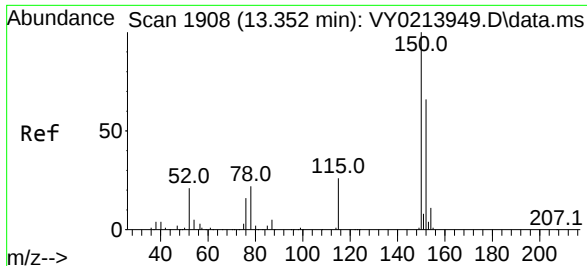
Tgt Ion: 95 Resp: 169261
Ion Ratio Lower Upper
95 100
174 81.5 0.0 165.0
176 79.5 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021599.D
Acq: 21 Mar 2025 15:02

Tgt Ion: 117 Resp: 398914
Ion Ratio Lower Upper
117 100
82 56.9 44.6 67.0
119 31.8 25.4 38.0

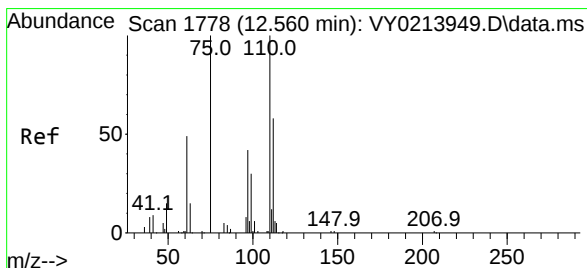
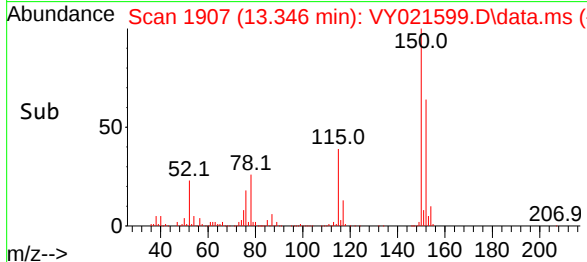
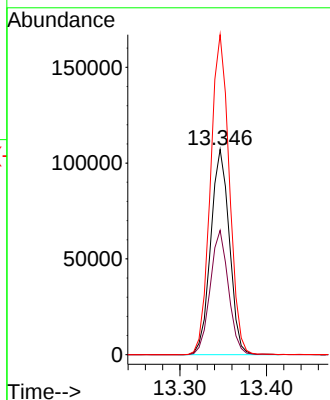
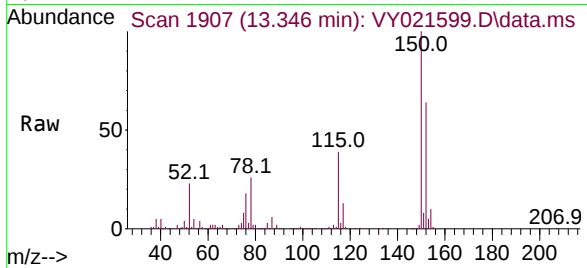




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1908
 Delta R.T. -0.006 min
 Lab File: VY021599.D
 Acq: 21 Mar 2025 15:02

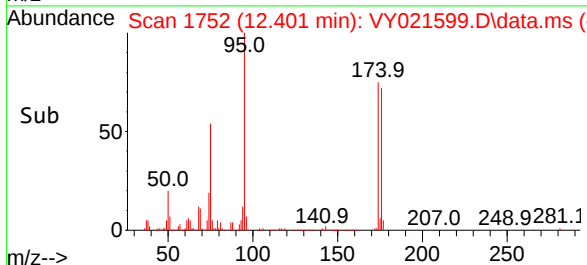
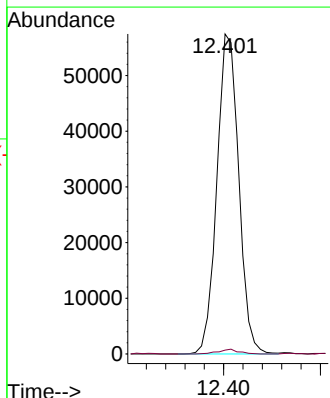
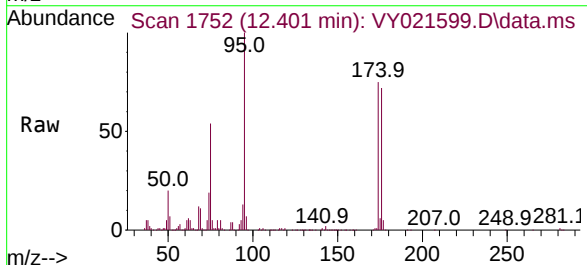
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3

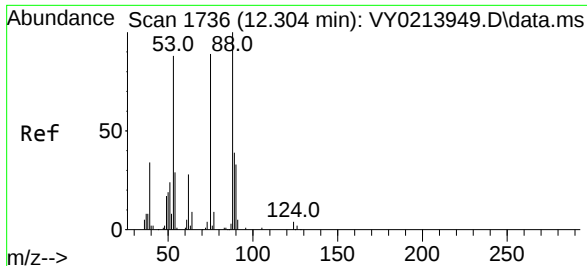
Tgt Ion:152 Resp: 160390
 Ion Ratio Lower Upper
 152 100
 115 59.3 29.0 87.0
 150 157.3 0.0 347.2



#76
 1,2,3-Trichloropropane
 Concen: 55.599 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.158 min
 Lab File: VY021599.D
 Acq: 21 Mar 2025 15:02

Tgt Ion: 75 Resp: 89860
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

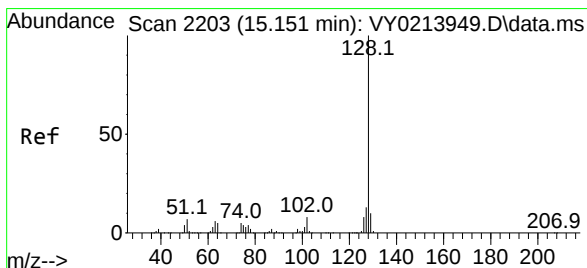
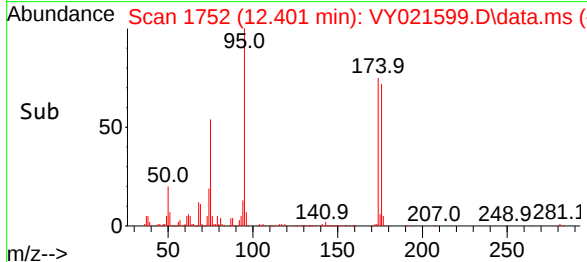
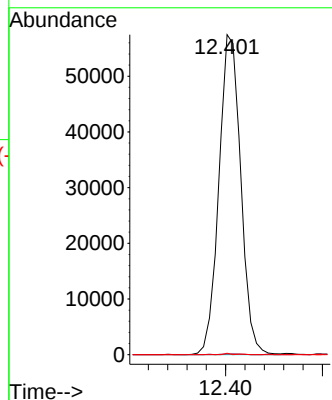
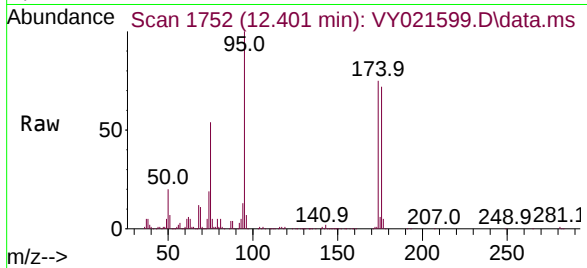




#81
trans-1,4-Dichloro-2-butene
Concen: 126.393 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY021599.D
Acq: 21 Mar 2025 15:02

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion: 75 Resp: 89860
Ion Ratio Lower Upper
75 100
53 0.3 81.0 121.4#
89 0.2 36.9 55.3#



#95
Naphthalene
Concen: 2.090 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.006 min
Lab File: VY021599.D
Acq: 21 Mar 2025 15:02

Tgt Ion: 128 Resp: 2789
Ion Ratio Lower Upper
128 100
127 15.7 10.6 15.8
129 7.7 8.6 13.0#

