

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032125\
 Data File : VY021596.D
 Acq On : 21 Mar 2025 13:52
 Operator : SY/MD
 Sample : Q1619-11
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

Quant Time: Mar 21 23:11:02 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)

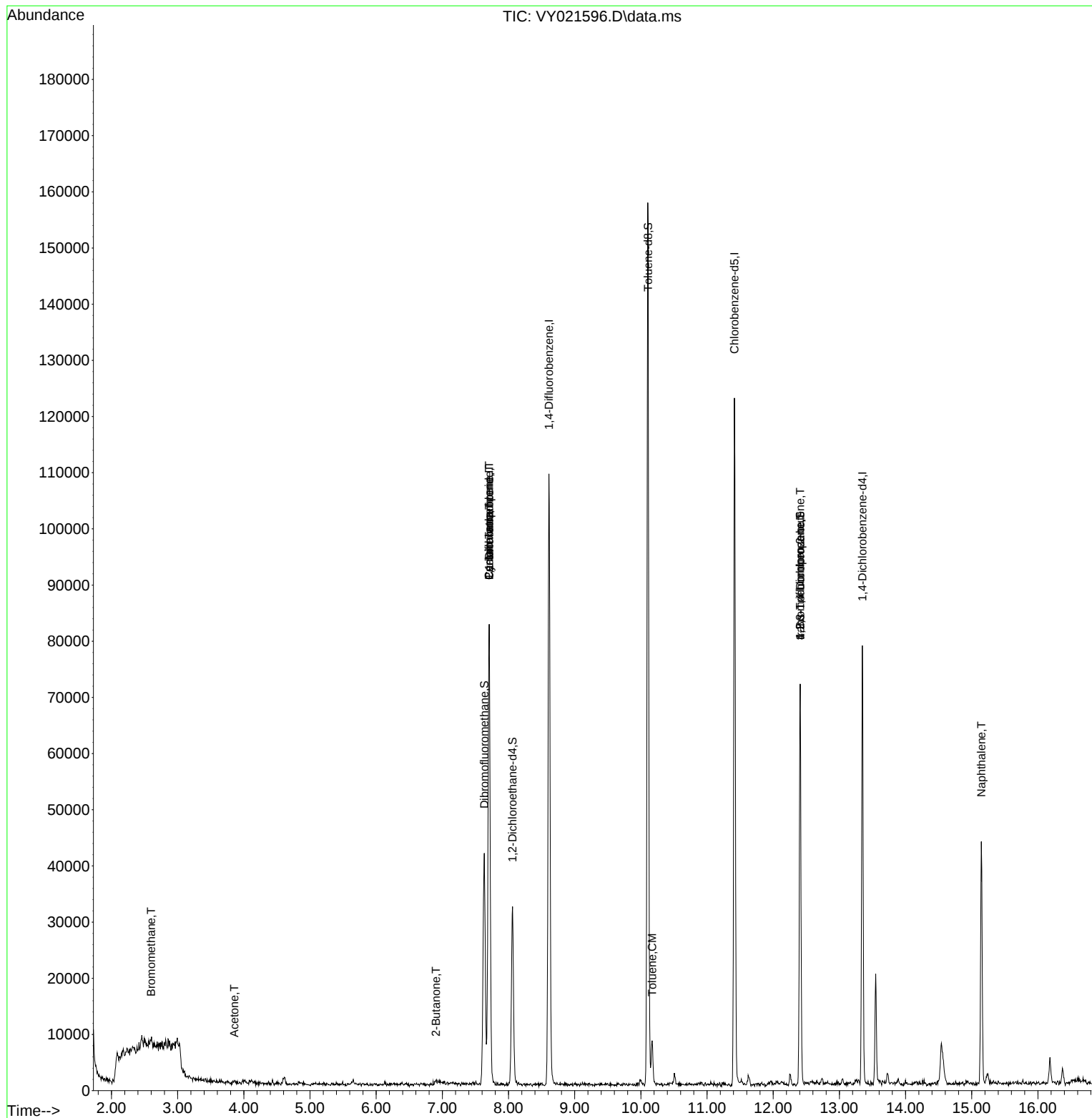
Internal Standards						
1) Pentafluorobenzene	7.707	168	59916	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	89720	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	64224	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	19200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	25495	40.259	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.520%
35) Dibromofluoromethane	7.634	113	28196	47.811	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.620%
50) Toluene-d8	10.109	98	100542	45.026	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.060%
62) 4-Bromofluorobenzene	12.408	95	21168	27.869	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	55.740%
Target Compounds						
					Qvalue	
5) Bromomethane	2.599	94	955	1.560	ug/l	81
11) Tert butyl alcohol	4.842	59	106	Below Cal	#	72
16) Acetone	3.854	43	296	2.143	ug/l #	26
25) 2-Butanone	6.903	43	320	1.675	ug/l #	48
31) Cyclohexane	7.707	56	1433	1.208	ug/l #	32
36) 1,1-Dichloropropene	7.707	75	5197	5.630	ug/l #	47
38) Carbon Tetrachloride	7.707	117	6122	5.766	ug/l #	16
52) Toluene	10.170	92	2876	1.678	ug/l	94
76) 1,2,3-Trichloropropane	12.408	75	11114	57.444	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	11114	130.588	ug/l #	9
95) Naphthalene	15.145	128	33979	59.567	ug/l	98

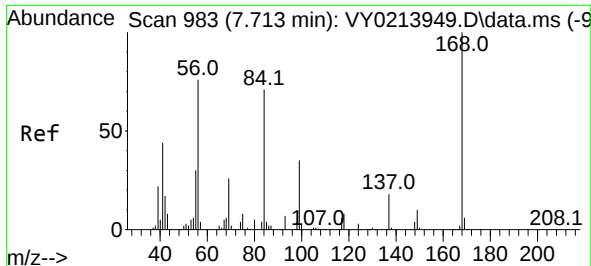
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032125\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

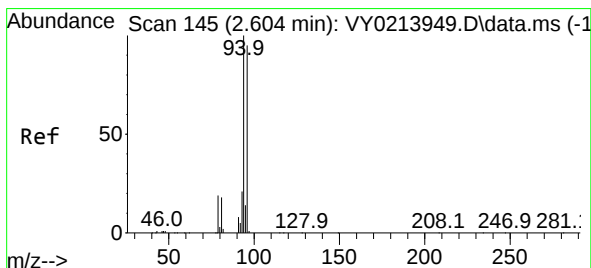
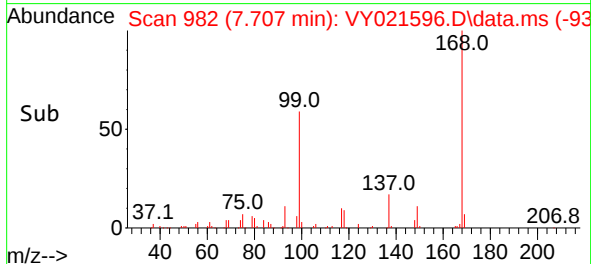
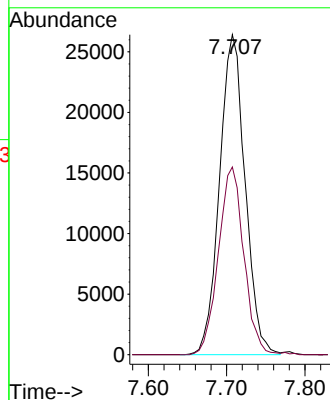
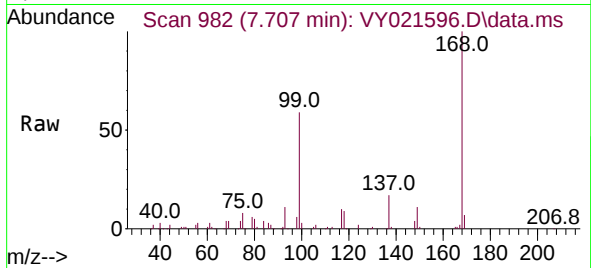




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021596.D
Acq: 21 Mar 2025 13:52

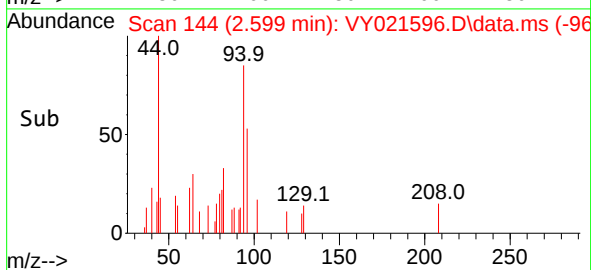
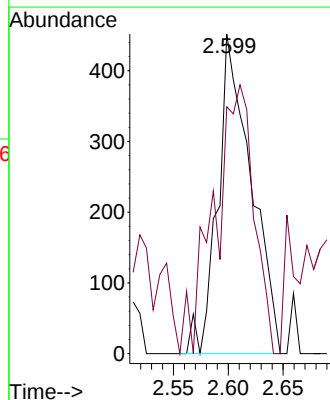
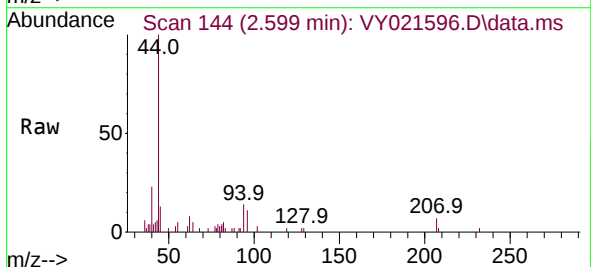
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

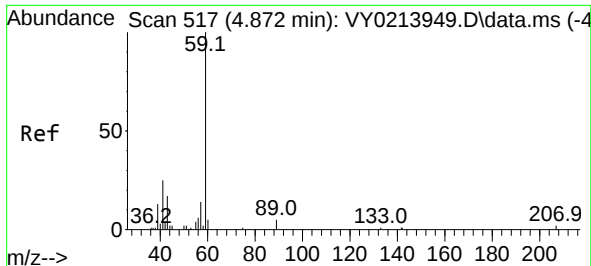
Tgt Ion:168 Resp: 59916
Ion Ratio Lower Upper
168 100
99 58.7 46.0 69.0



#5
Bromomethane
Concen: 1.560 ug/l
RT: 2.599 min Scan# 144
Delta R.T. -0.006 min
Lab File: VY021596.D
Acq: 21 Mar 2025 13:52

Tgt Ion: 94 Resp: 955
Ion Ratio Lower Upper
94 100
96 77.2 76.3 114.5

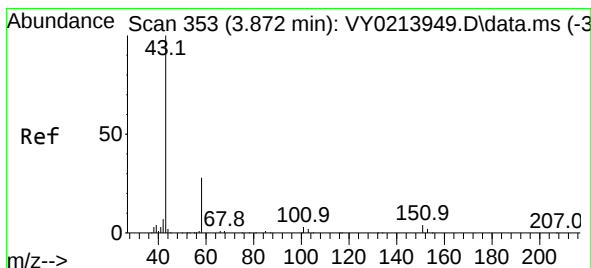
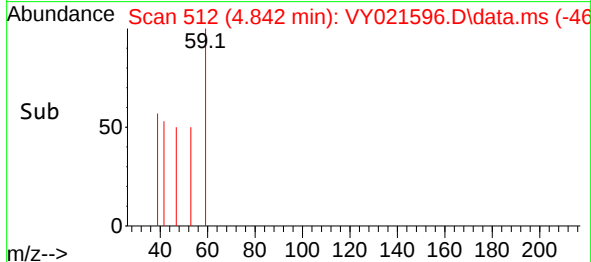
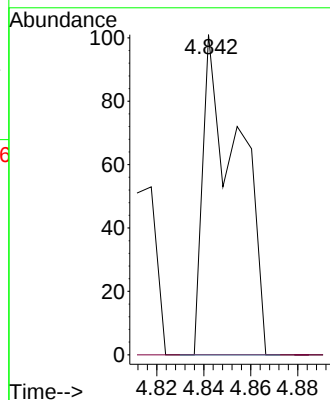
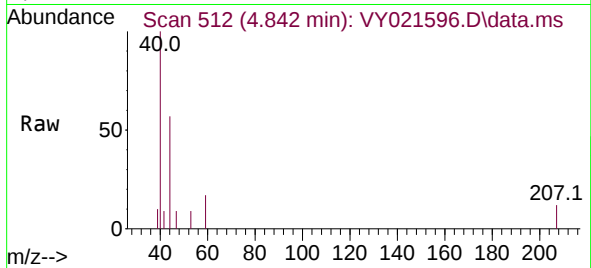




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.842 min Scan# 517
Delta R.T. -0.030 min
Lab File: VY021596.D
Acq: 21 Mar 2025 13:52

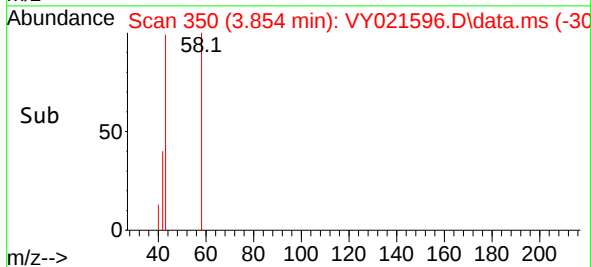
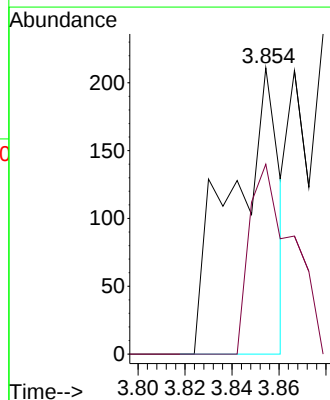
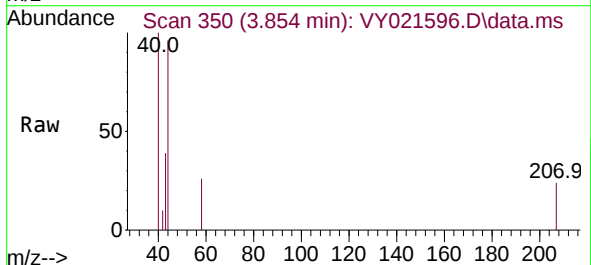
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

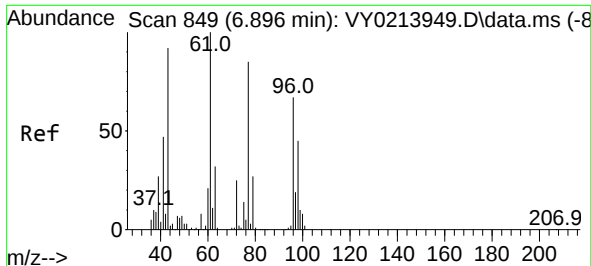
Tgt Ion: 59 Resp: 106
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 2.143 ug/l
RT: 3.854 min Scan# 350
Delta R.T. -0.018 min
Lab File: VY021596.D
Acq: 21 Mar 2025 13:52

Tgt Ion: 43 Resp: 296
Ion Ratio Lower Upper
43 100
58 66.4 22.1 33.1#





#25

2-Butanone

Concen: 1.675 ug/l

RT: 6.903 min Scan# 849

Delta R.T. 0.007 min

Lab File: VY021596.D

Acq: 21 Mar 2025 13:52

Instrument :

MSVOA_Y

ClientSampleId :

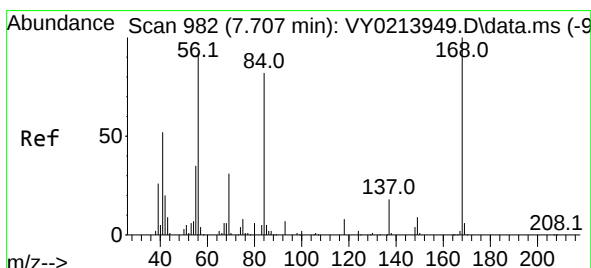
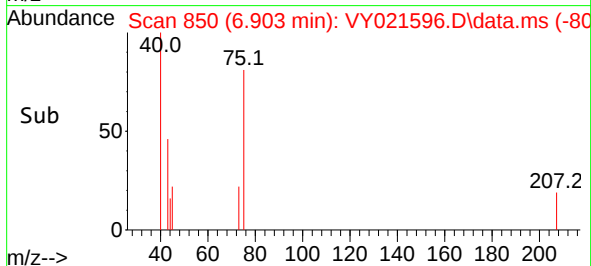
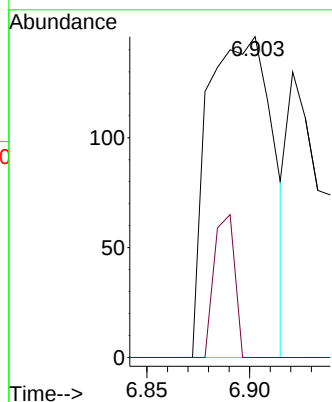
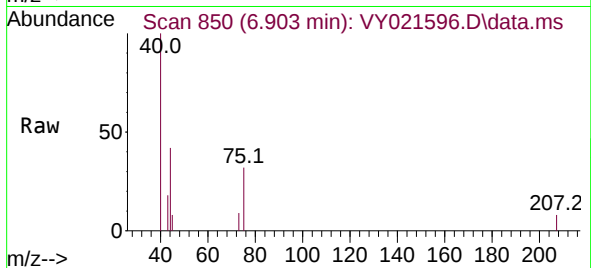
TP-4

Tgt Ion: 43 Resp: 320

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.0#



#31

Cyclohexane

Concen: 1.208 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.000 min

Lab File: VY021596.D

Acq: 21 Mar 2025 13:52

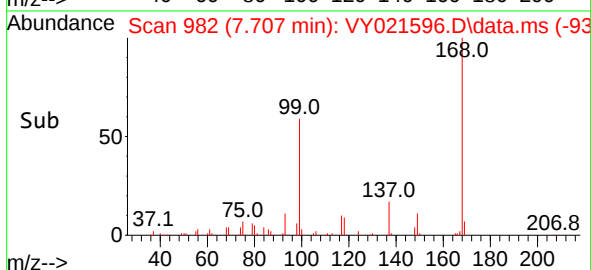
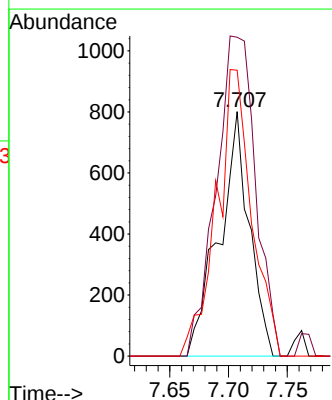
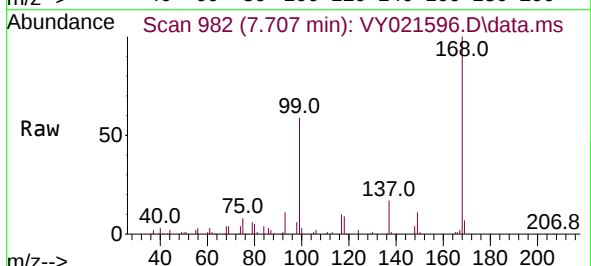
Tgt Ion: 56 Resp: 1433

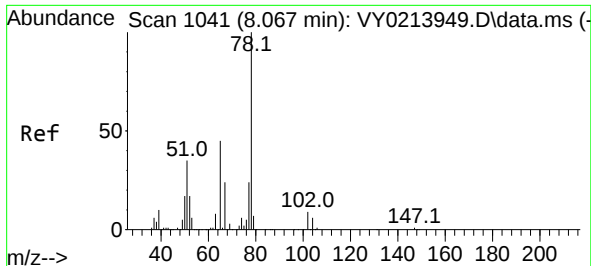
Ion Ratio Lower Upper

56 100

69 130.5 27.0 40.4#

84 117.0 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 40.259 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021596.D

Acq: 21 Mar 2025 13:52

Instrument :

MSVOA_Y

ClientSampleId :

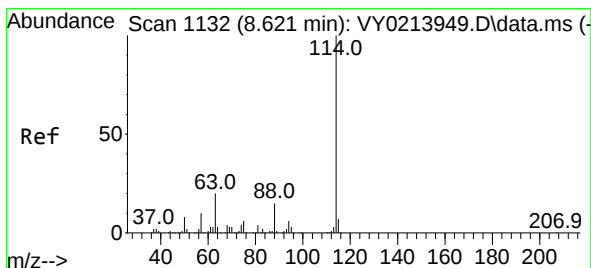
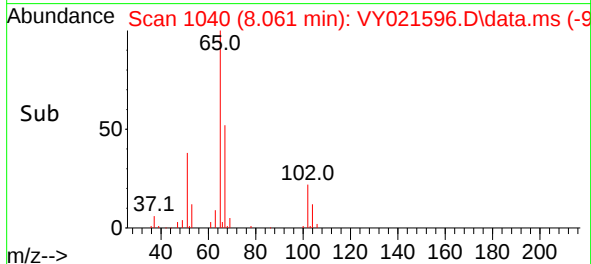
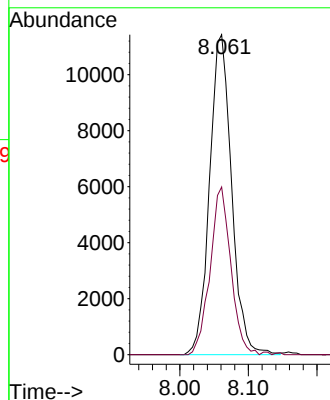
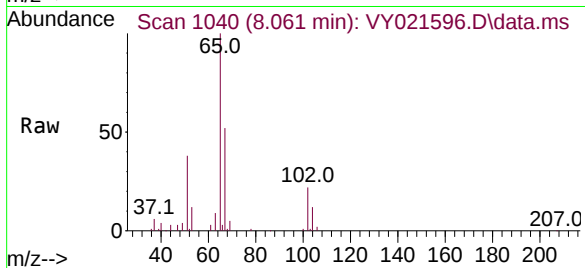
TP-4

Tgt Ion: 65 Resp: 25495

Ion Ratio Lower Upper

65 100

67 49.3 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.012 min

Lab File: VY021596.D

Acq: 21 Mar 2025 13:52

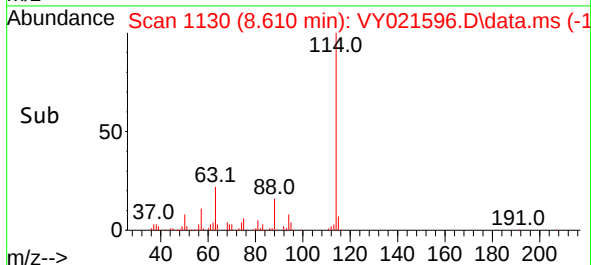
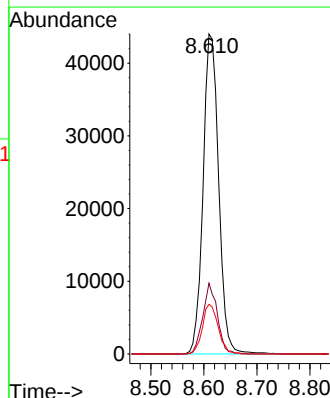
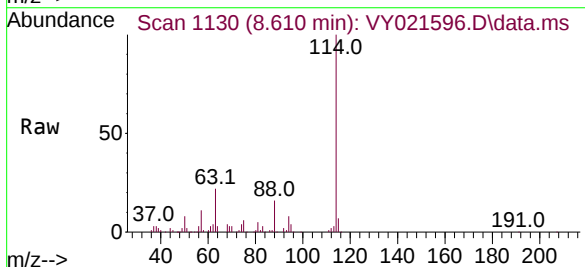
Tgt Ion: 114 Resp: 89720

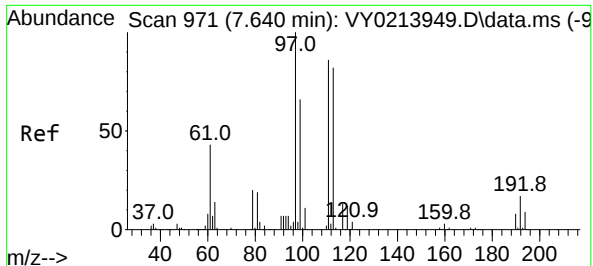
Ion Ratio Lower Upper

114 100

63 22.1 0.0 40.8

88 15.5 0.0 30.8





#35

Dibromofluoromethane

Concen: 47.811 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY021596.D

Acq: 21 Mar 2025 13:52

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

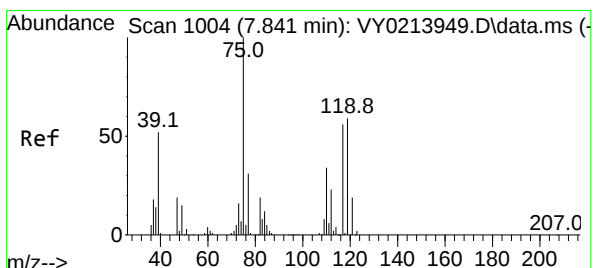
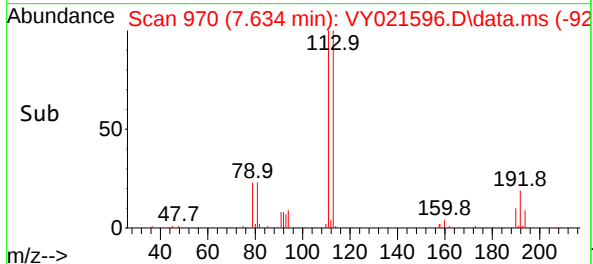
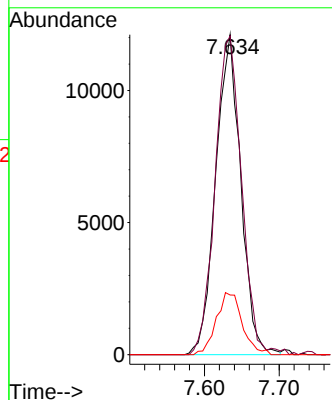
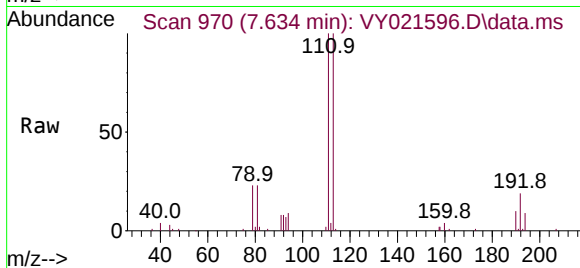
Tgt Ion:113 Resp: 28196

Ion Ratio Lower Upper

113 100

111 105.3 82.0 123.0

192 20.1 15.9 23.9



#36

1,1-Dichloropropene

Concen: 5.630 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY021596.D

Acq: 21 Mar 2025 13:52

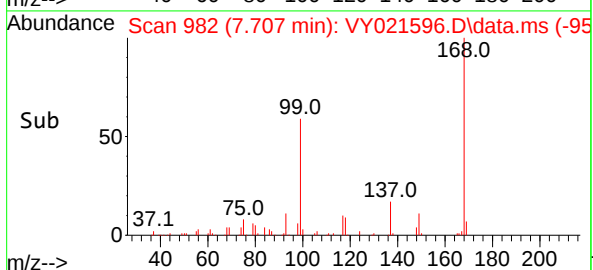
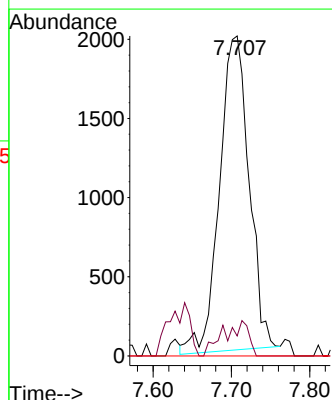
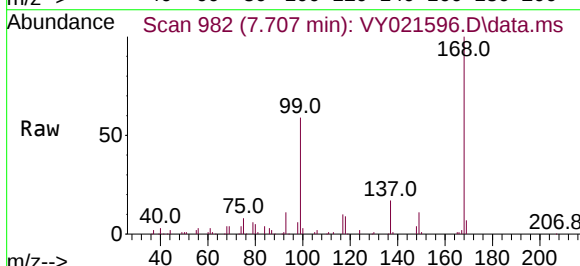
Tgt Ion: 75 Resp: 5197

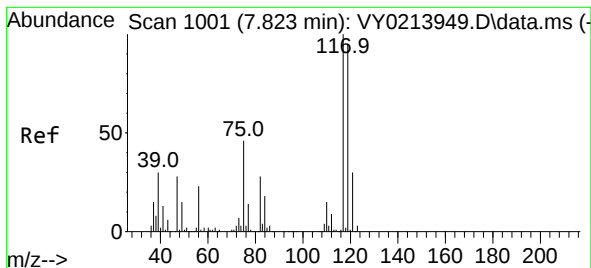
Ion Ratio Lower Upper

75 100

110 5.6 17.3 51.7#

77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 5.766 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.115 min

Lab File: VY021596.D

Acq: 21 Mar 2025 13:52

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

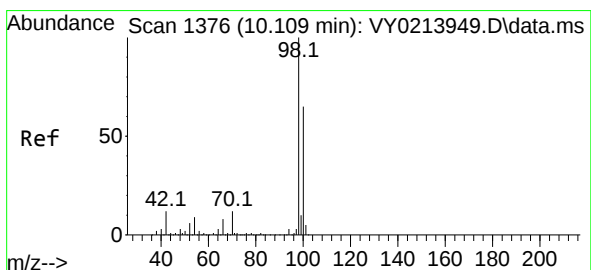
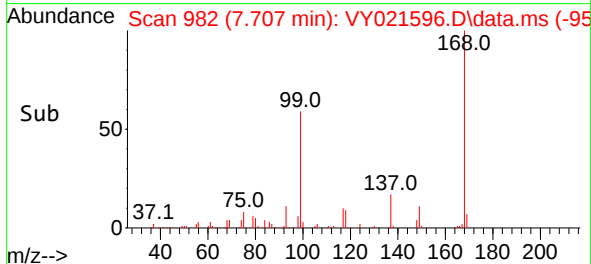
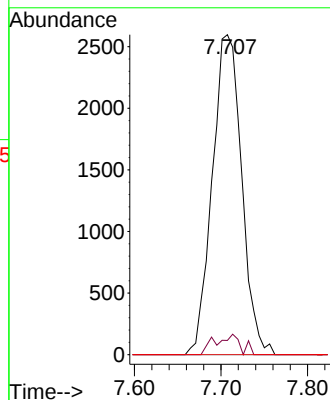
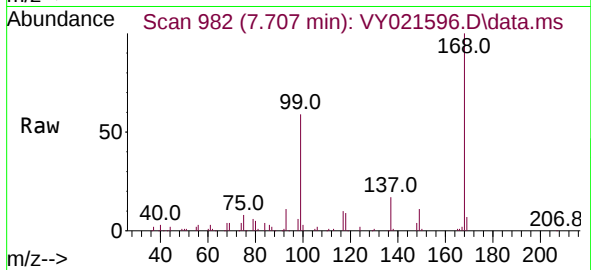
Tgt Ion:117 Resp: 6122

Ion Ratio Lower Upper

117 100

119 4.4 75.8 113.8#

121 0.0 23.9 35.9#



#50

Toluene-d8

Concen: 45.026 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021596.D

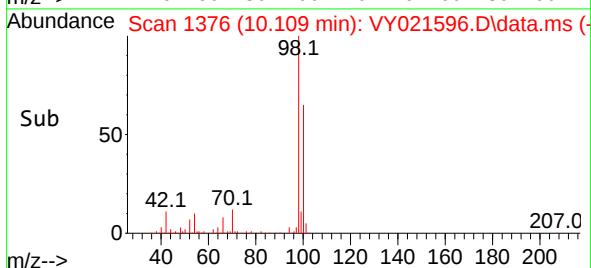
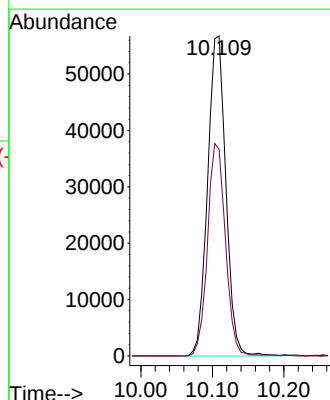
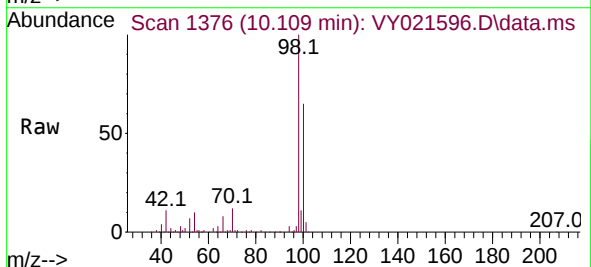
Acq: 21 Mar 2025 13:52

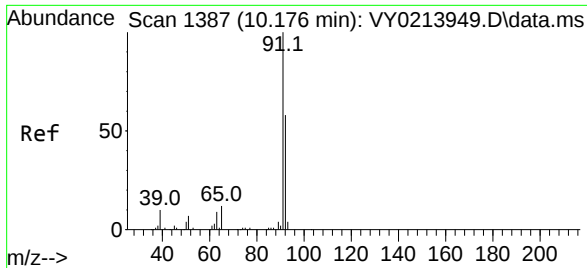
Tgt Ion: 98 Resp: 100542

Ion Ratio Lower Upper

98 100

100 65.1 52.1 78.1

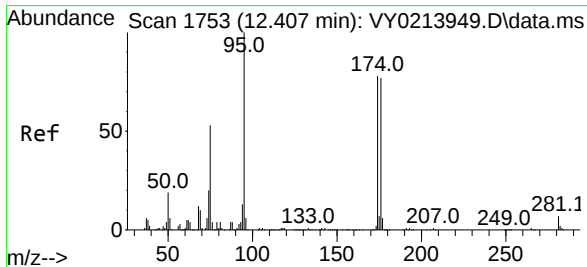
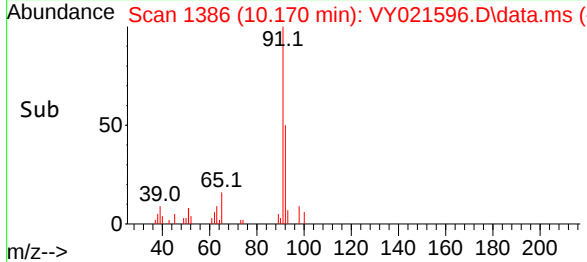
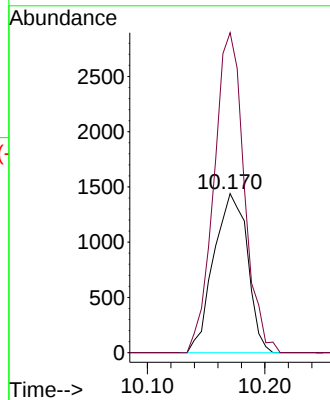
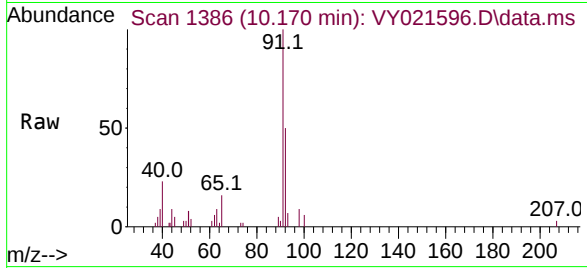




#52
Toluene
Concen: 1.678 ug/l
RT: 10.170 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021596.D
Acq: 21 Mar 2025 13:52

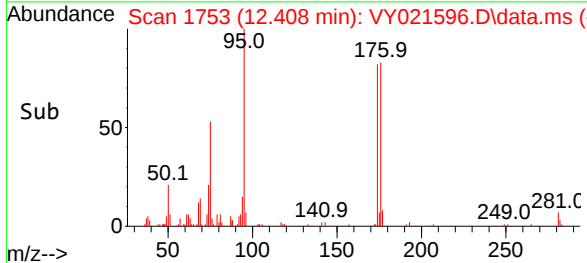
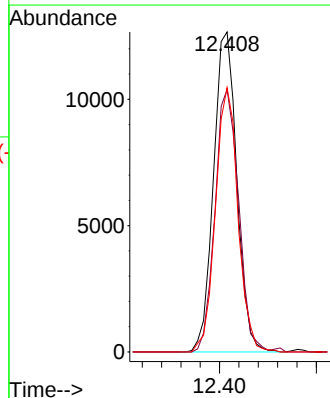
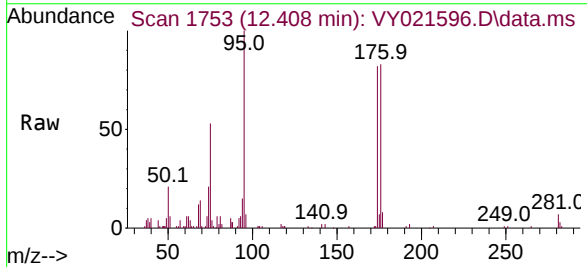
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

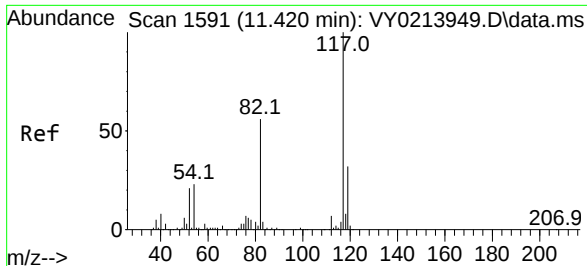
Tgt Ion: 92 Resp: 2876
Ion Ratio Lower Upper
92 100
91 180.6 138.2 207.2



#62
4-Bromofluorobenzene
Concen: 27.869 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021596.D
Acq: 21 Mar 2025 13:52

Tgt Ion: 95 Resp: 21168
Ion Ratio Lower Upper
95 100
174 83.4 0.0 165.0
176 79.7 0.0 160.0

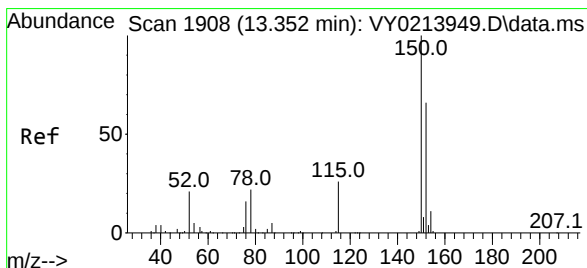
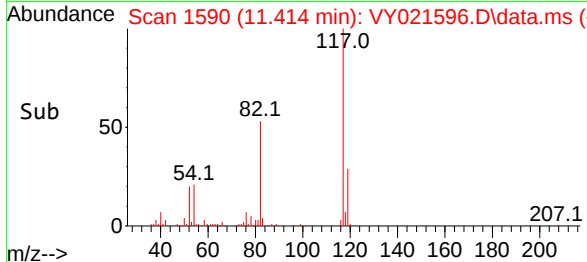
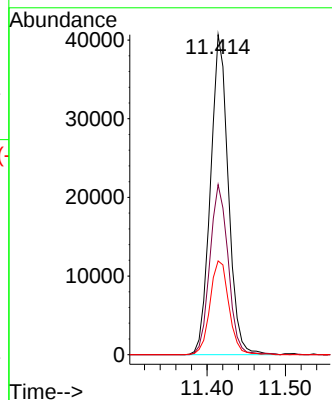
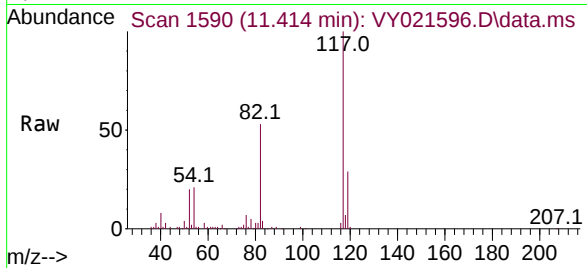




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VY021596.D
Acq: 21 Mar 2025 13:52

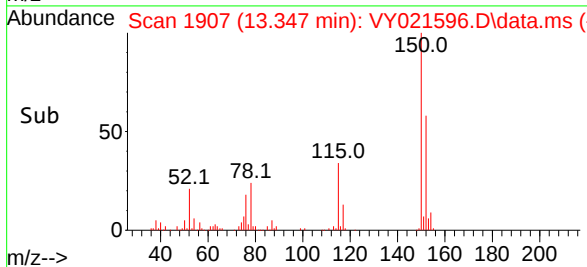
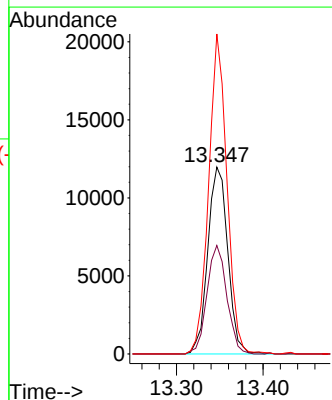
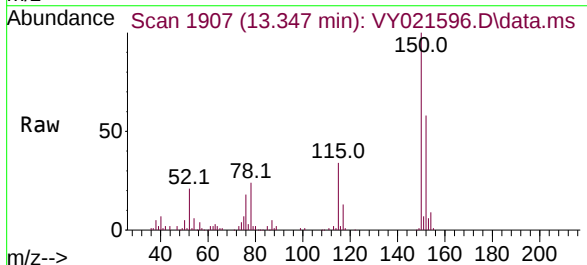
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

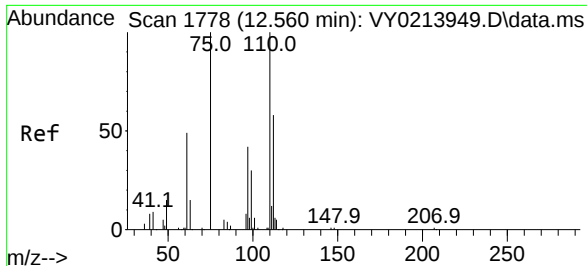
Tgt Ion:117 Resp: 64224
Ion Ratio Lower Upper
117 100
82 53.1 44.6 67.0
119 29.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021596.D
Acq: 21 Mar 2025 13:52

Tgt Ion:152 Resp: 19200
Ion Ratio Lower Upper
152 100
115 57.6 29.0 87.0
150 156.5 0.0 347.2

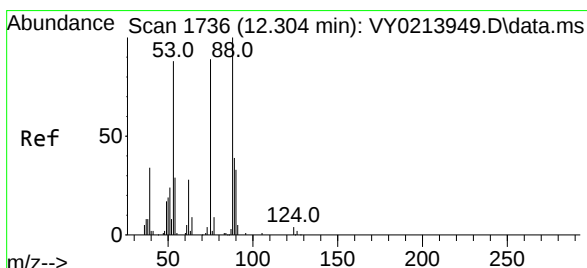
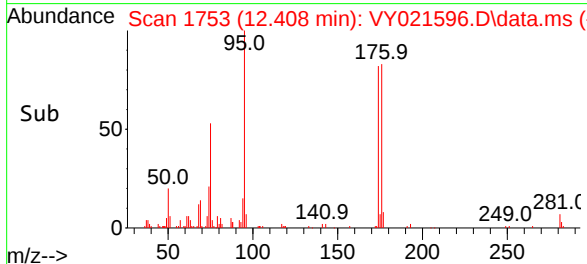
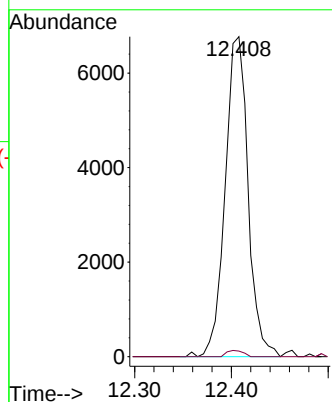
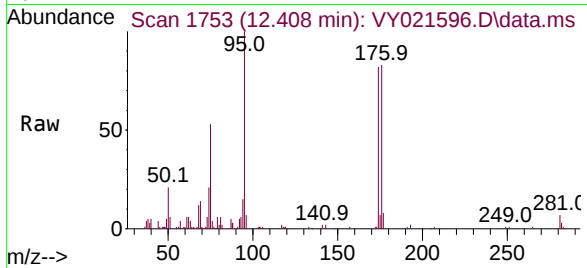




#76
1,2,3-Trichloropropane
Concen: 57.444 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021596.D
Acq: 21 Mar 2025 13:52

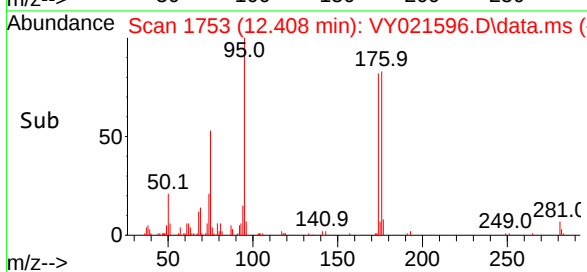
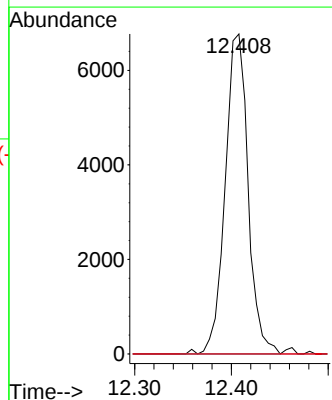
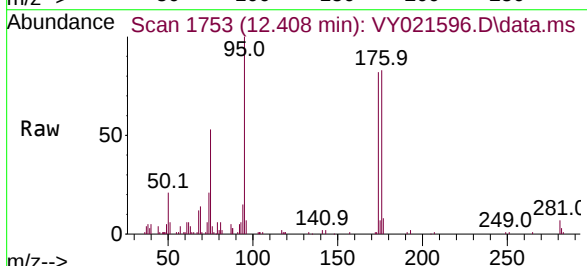
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

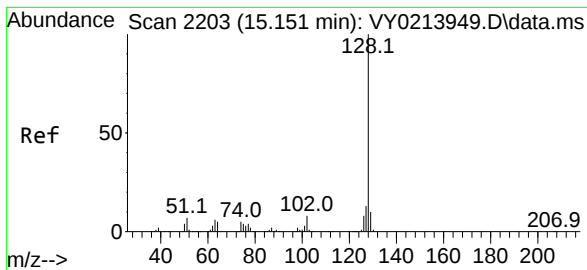
Tgt Ion: 75 Resp: 11114
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.588 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021596.D
Acq: 21 Mar 2025 13:52

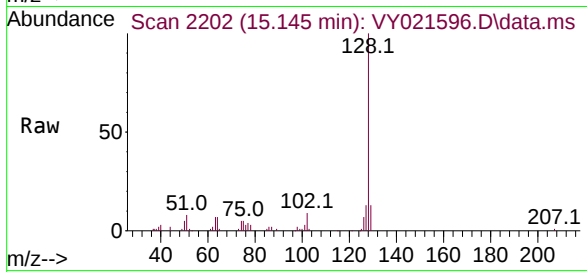
Tgt Ion: 75 Resp: 11114
Ion Ratio Lower Upper
75 100
53 0.0 81.0 121.4#
89 0.0 36.9 55.3#





#95
 Naphthalene
 Concen: 59.567 ug/l
 RT: 15.145 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VY021596.D
 Acq: 21 Mar 2025 13:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4



Tgt Ion:	128	Resp:	33979
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	11.8	8.6	13.0

