

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
 Data File : VY021034.D
 Acq On : 03 Feb 2025 17:01
 Operator : SY/MD
 Sample : Q1216-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 04 00:57:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

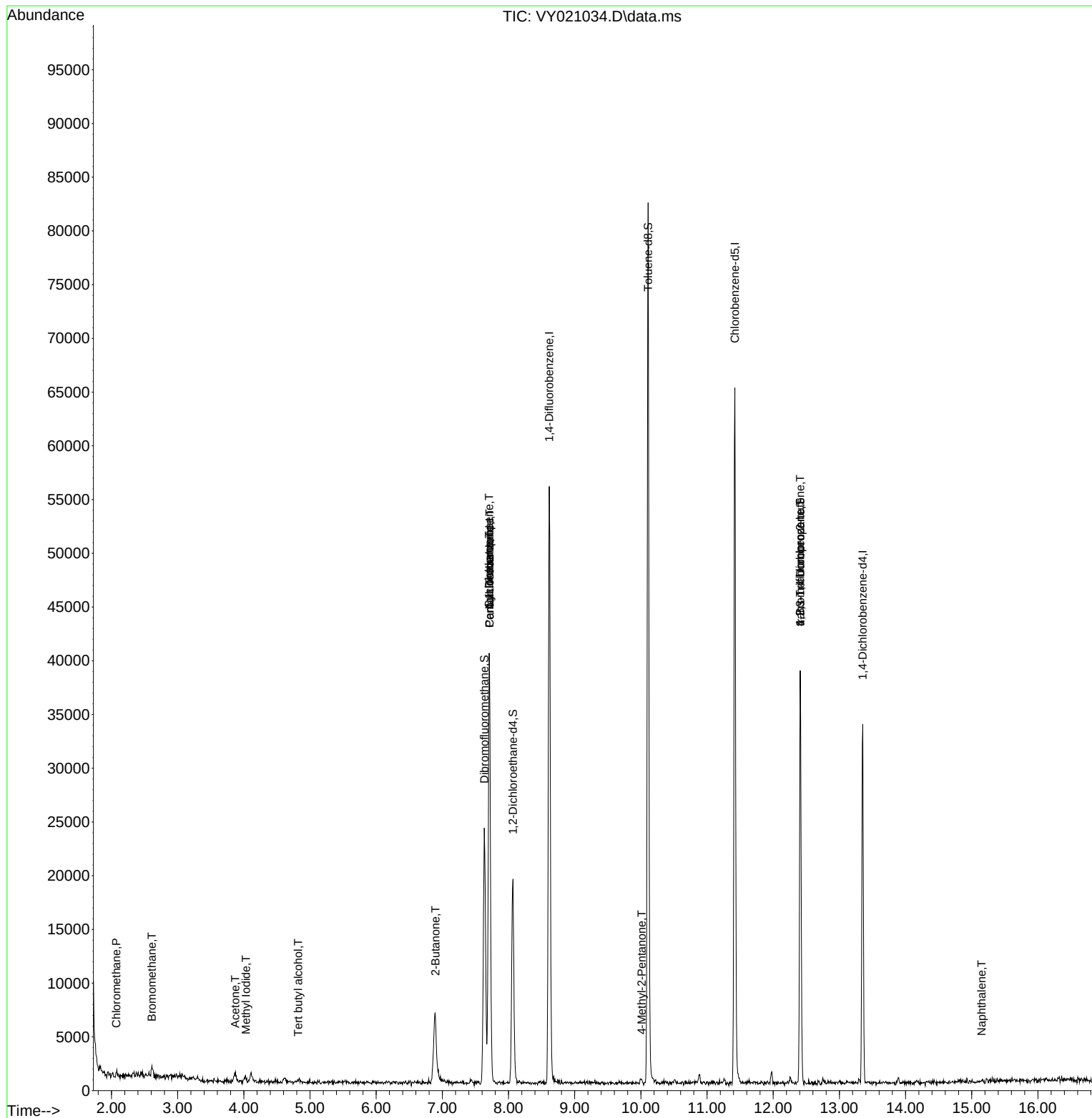
Internal Standards						
1) Pentafluorobenzene	7.713	168	30654	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	47061	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	35477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	8817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	16079	51.195	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.380%	
35) Dibromofluoromethane	7.634	113	16528	54.801	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.600%	
50) Toluene-d8	10.109	98	53931	46.970	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.940%	
62) 4-Bromofluorobenzene	12.407	95	11660	31.084	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 62.160%	
Target Compounds						
						Qvalue
3) Chloromethane	2.074	50	375	1.391	ug/l #	86
5) Bromomethane	2.610	94	360	2.146	ug/l #	76
10) Methyl Iodide	4.031	142	775	2.248	ug/l #	89
11) Tert butyl alcohol	4.823	59	222	10.431	ug/l #	75
16) Acetone	3.872	43	1465	29.911	ug/l	90
25) 2-Butanone	6.896	43	495	6.150	ug/l #	48
31) Cyclohexane	7.707	56	674	1.258	ug/l #	39
36) 1,1-Dichloropropene	7.707	75	2476	5.543	ug/l #	48
38) Carbon Tetrachloride	7.713	117	2892	5.541	ug/l #	16
51) 4-Methyl-2-Pentanone	10.012	43	538	2.747	ug/l #	58
76) 1,2,3-Trichloropropane	12.407	75	6445	80.582	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	6445	164.425	ug/l #	12
95) Naphthalene	15.151	128	258	1.088	ug/l #	69

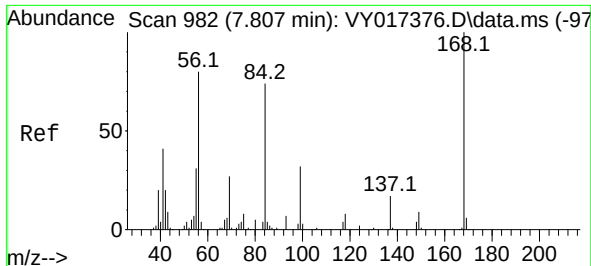
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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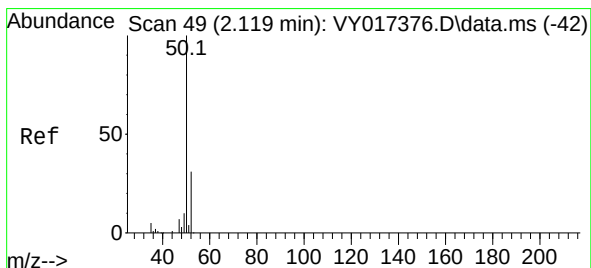
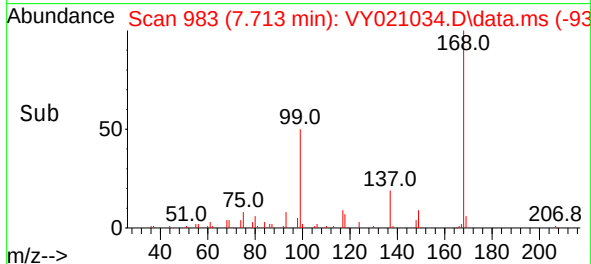
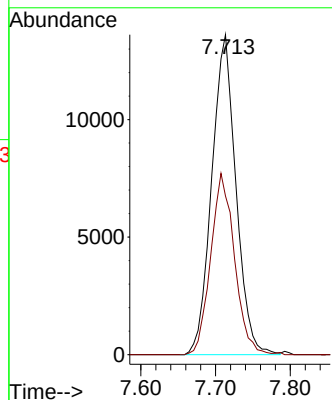
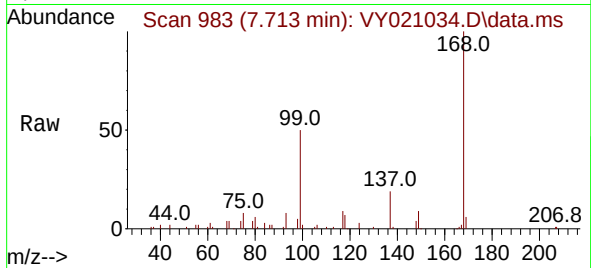




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021034.D
Acq: 03 Feb 2025 17:01

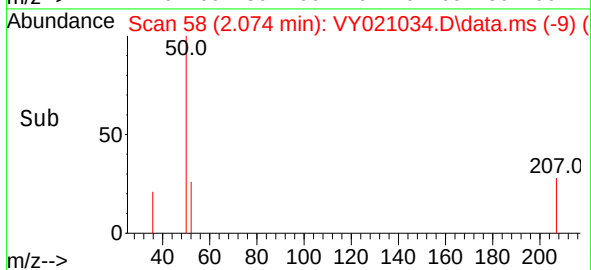
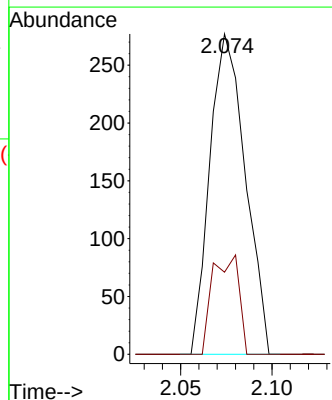
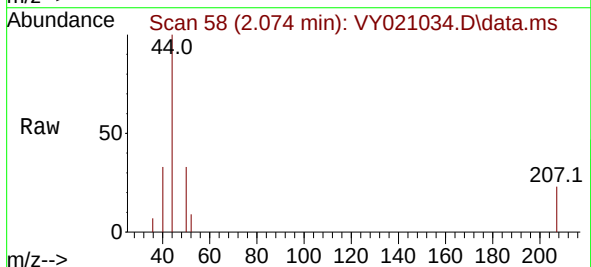
Instrument :
MSVOA_Y
ClientSampleId :

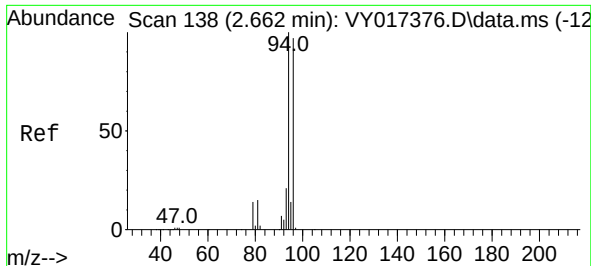
Tgt Ion:168 Resp: 30654
Ion Ratio Lower Upper
168 100
99 49.6 44.2 66.4



#3
Chloromethane
Concen: 1.391 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.000 min
Lab File: VY021034.D
Acq: 03 Feb 2025 17:01

Tgt Ion: 50 Resp: 375
Ion Ratio Lower Upper
50 100
52 25.6 26.7 40.1#

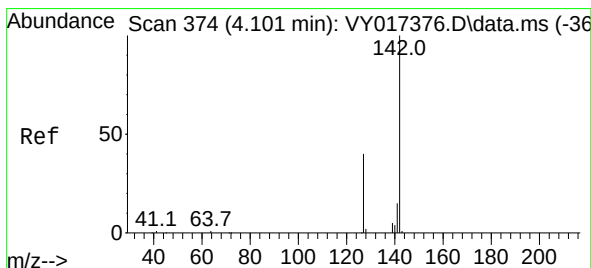
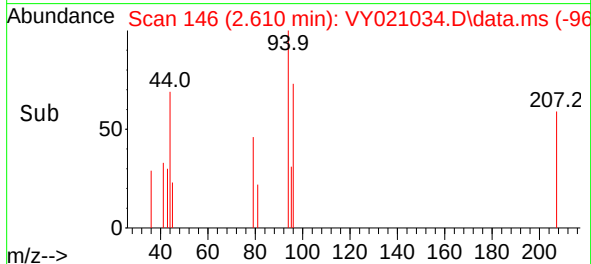
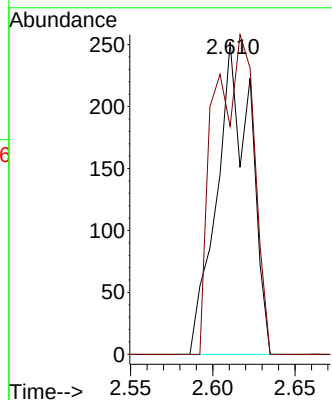
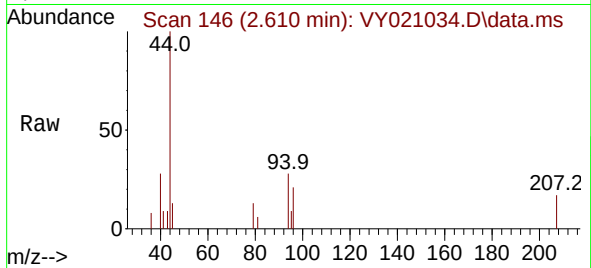




#5
Bromomethane
Concen: 2.146 ug/l
RT: 2.610 min Scan# 146
Delta R.T. 0.006 min
Lab File: VY021034.D
Acq: 03 Feb 2025 17:01

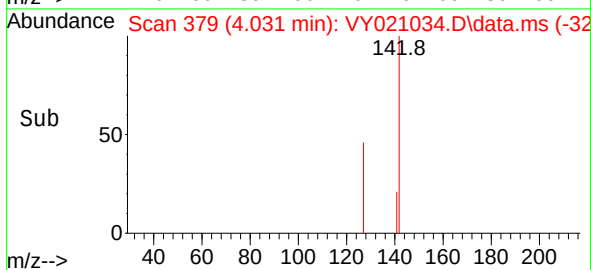
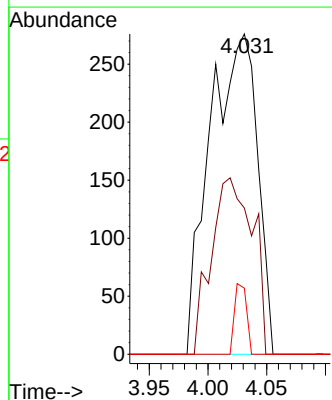
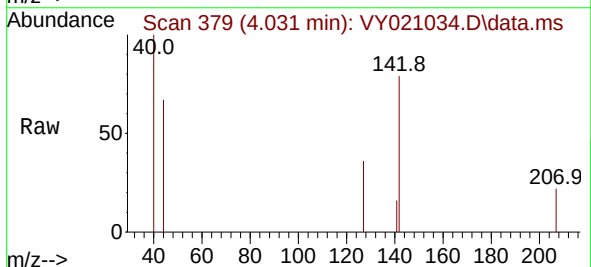
Instrument :
MSVOA_Y
ClientSampleId :

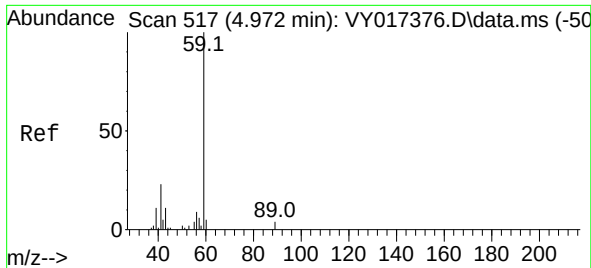
Tgt Ion: 94 Resp: 360
Ion Ratio Lower Upper
94 100
96 73.0 77.3 115.9#



#10
Methyl Iodide
Concen: 2.248 ug/l
RT: 4.031 min Scan# 379
Delta R.T. 0.018 min
Lab File: VY021034.D
Acq: 03 Feb 2025 17:01

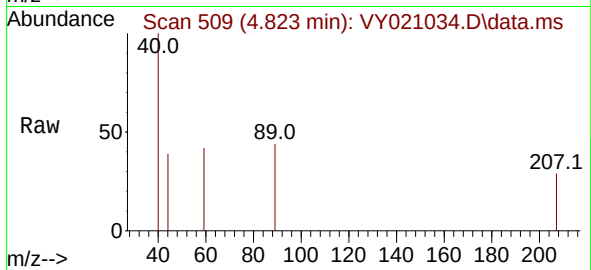
Tgt Ion:142 Resp: 775
Ion Ratio Lower Upper
142 100
127 48.3 35.1 52.7
141 5.5 11.8 17.6#



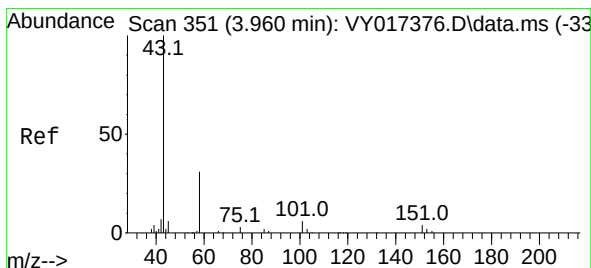
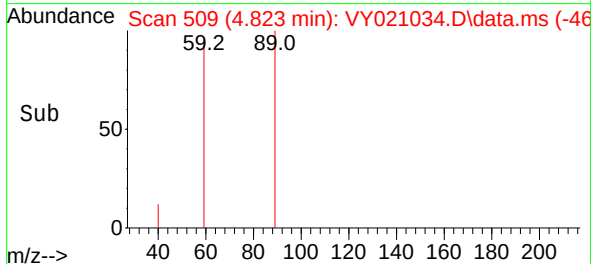
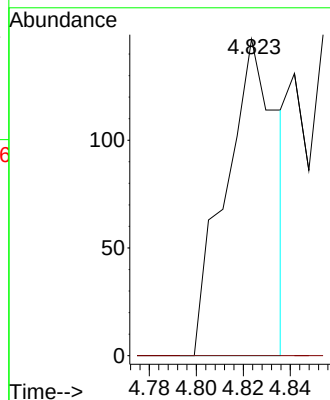


#11
Tert butyl alcohol
Concen: 10.431 ug/l
RT: 4.823 min Scan# 517
Delta R.T. -0.049 min
Lab File: VY021034.D
Acq: 03 Feb 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :

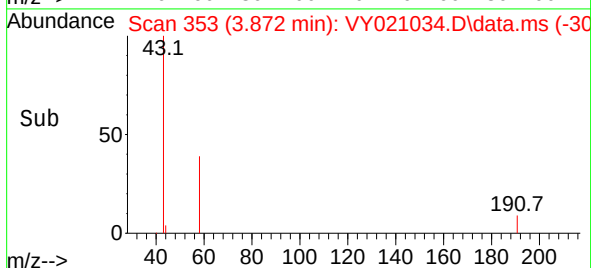
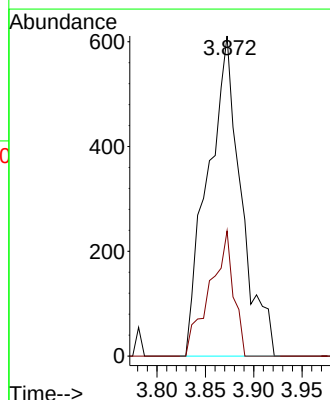
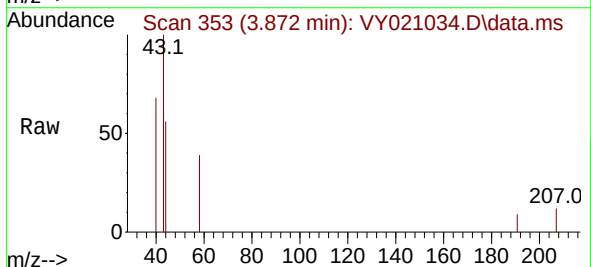


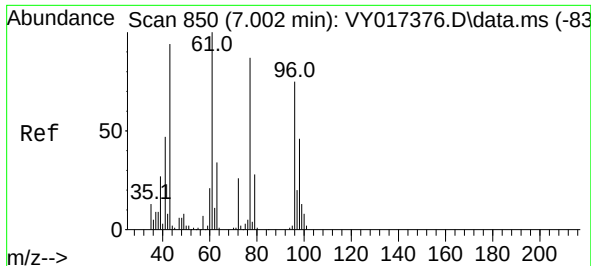
Tgt Ion: 59 Resp: 222
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



#16
Acetone
Concen: 29.911 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY021034.D
Acq: 03 Feb 2025 17:01

Tgt Ion: 43 Resp: 1465
Ion Ratio Lower Upper
43 100
58 39.1 26.6 39.8





#25

2-Butanone

Concen: 6.150 ug/l

RT: 6.896 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY021034.D

Acq: 03 Feb 2025 17:01

Instrument :

MSVOA_Y

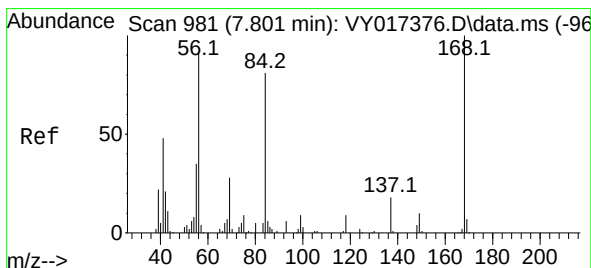
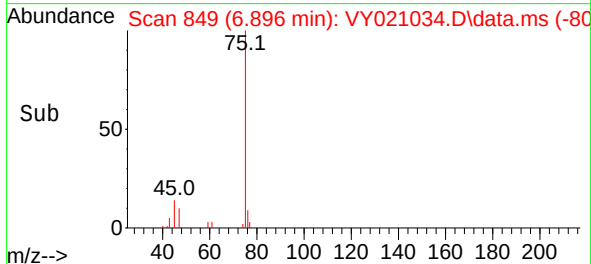
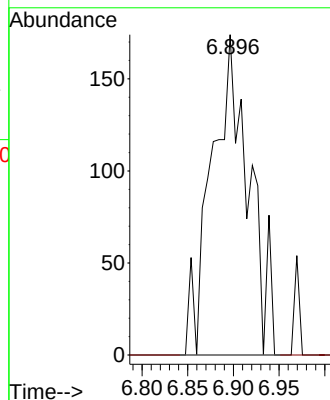
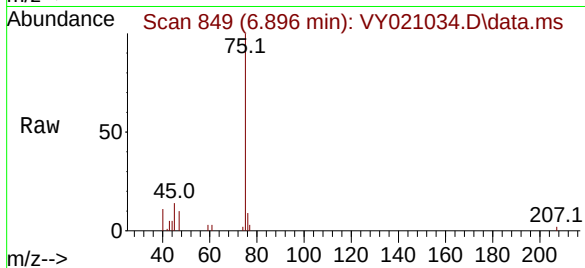
ClientSampleId :

Tgt Ion: 43 Resp: 495

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.258 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.000 min

Lab File: VY021034.D

Acq: 03 Feb 2025 17:01

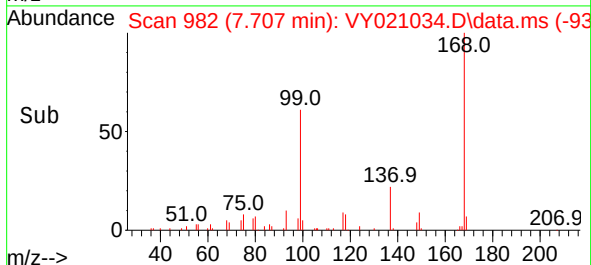
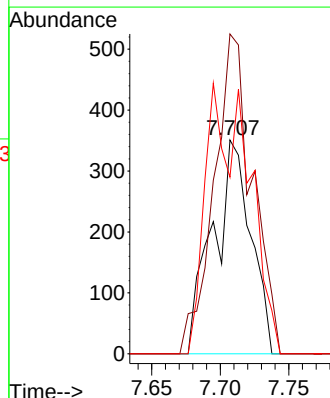
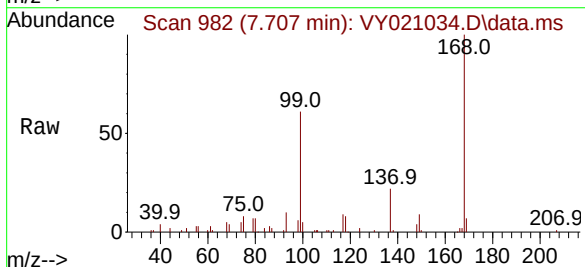
Tgt Ion: 56 Resp: 674

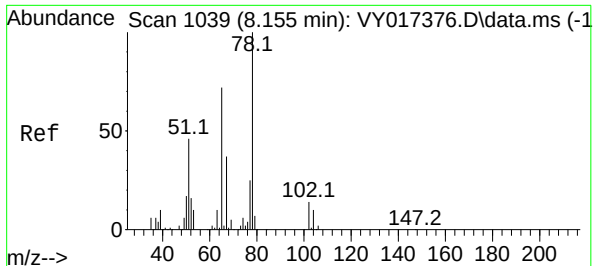
Ion Ratio Lower Upper

56 100

69 149.6 27.0 40.6#

84 82.6 71.8 107.6





#33

1,2-Dichloroethane-d4

Concen: 51.195 ug/l

RT: 8.067 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY021034.D

Acq: 03 Feb 2025 17:01

Instrument :

MSVOA_Y

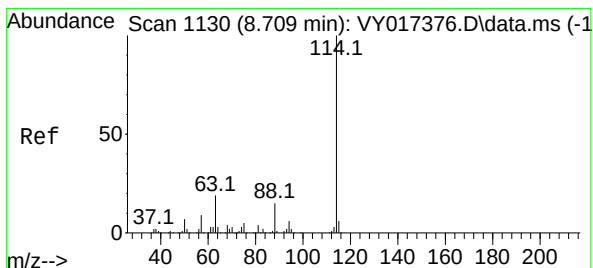
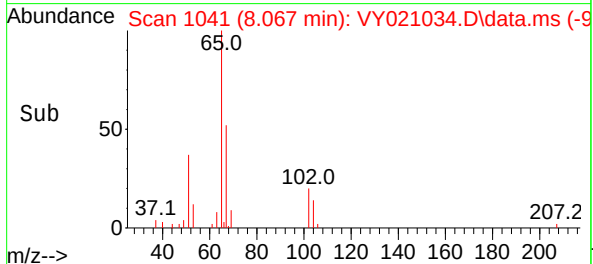
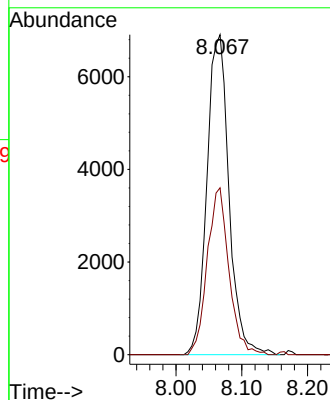
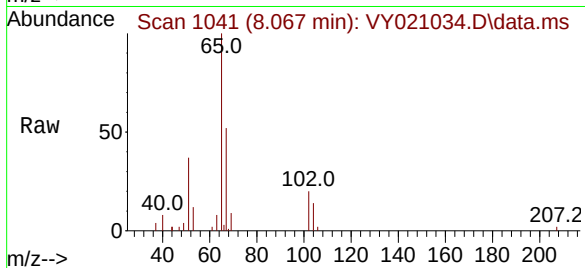
ClientSampleId :

Tgt Ion: 65 Resp: 16079

Ion Ratio Lower Upper

65 100

67 51.4 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021034.D

Acq: 03 Feb 2025 17:01

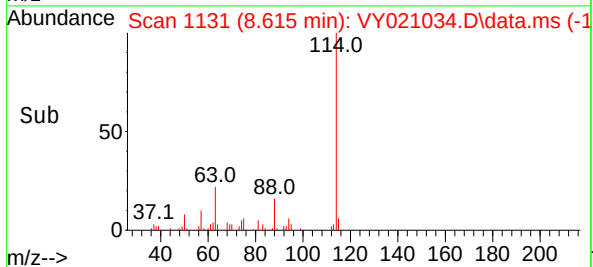
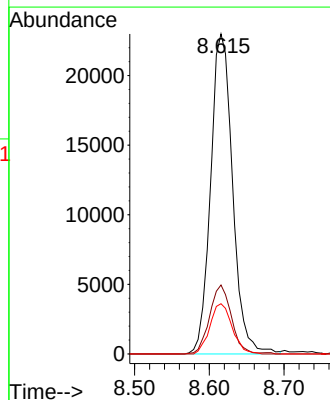
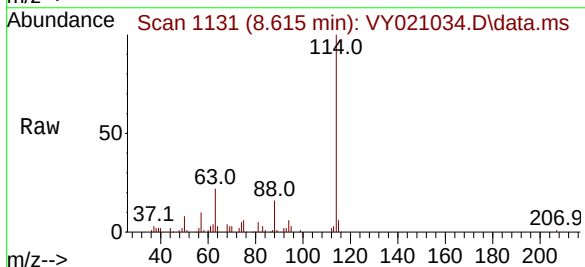
Tgt Ion:114 Resp: 47061

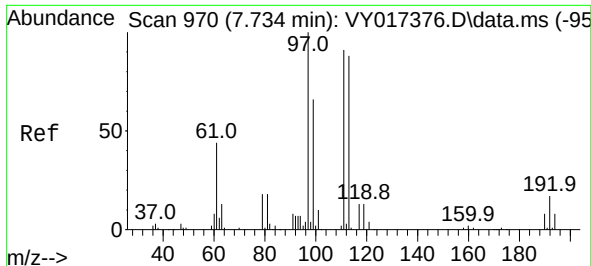
Ion Ratio Lower Upper

114 100

63 21.5 0.0 37.4

88 15.7 0.0 29.0





#35

Dibromofluoromethane

Concen: 54.801 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

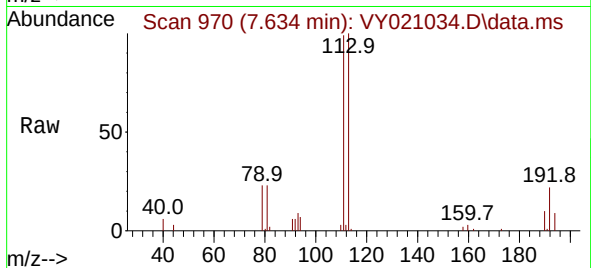
Lab File: VY021034.D

Acq: 03 Feb 2025 17:01

Instrument :

MSVOA_Y

ClientSampleId :



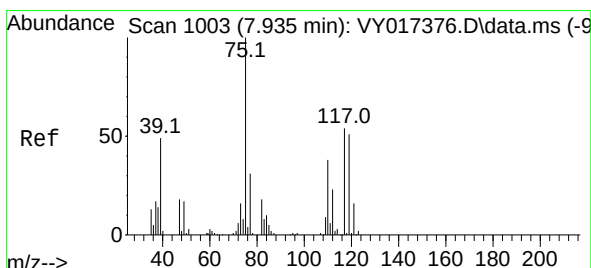
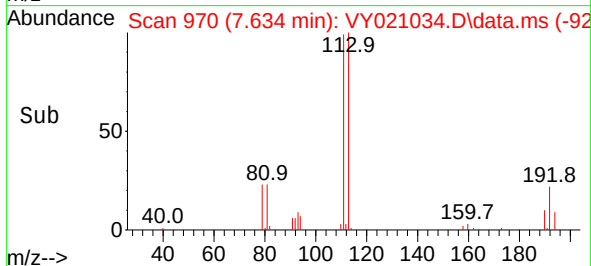
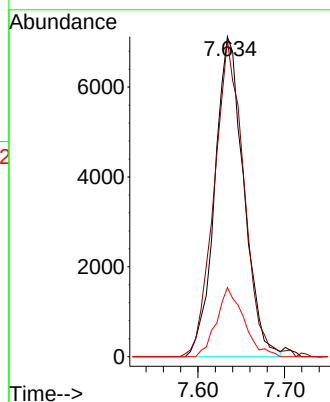
Tgt Ion:113 Resp: 16528

Ion Ratio Lower Upper

113 100

111 102.2 83.8 125.6

192 20.3 14.5 21.7



#36

1,1-Dichloropropene

Concen: 5.543 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY021034.D

Acq: 03 Feb 2025 17:01

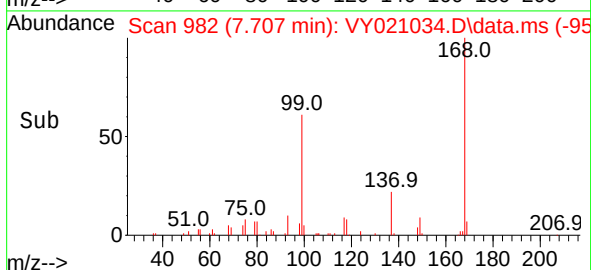
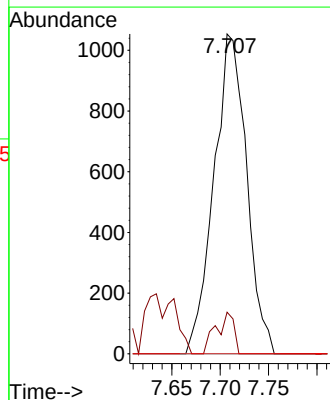
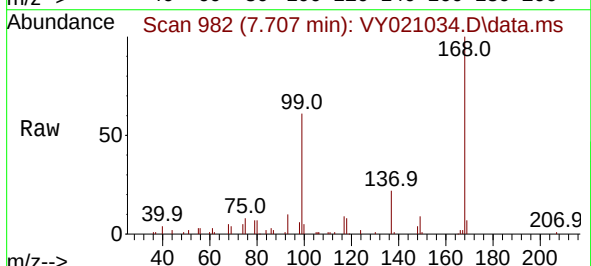
Tgt Ion: 75 Resp: 2476

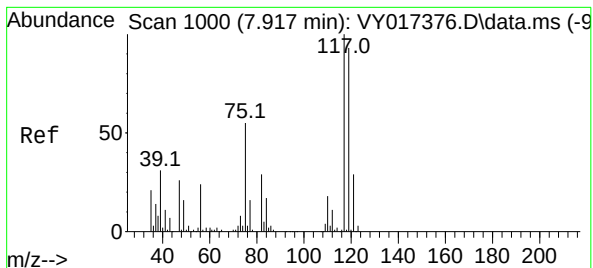
Ion Ratio Lower Upper

75 100

110 7.1 17.4 52.3#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.541 ug/l

RT: 7.713 min Scan# 9

Delta R.T. -0.110 min

Lab File: VY021034.D

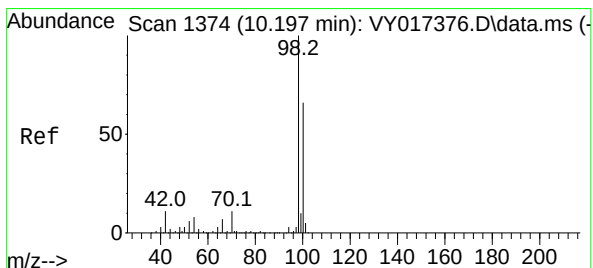
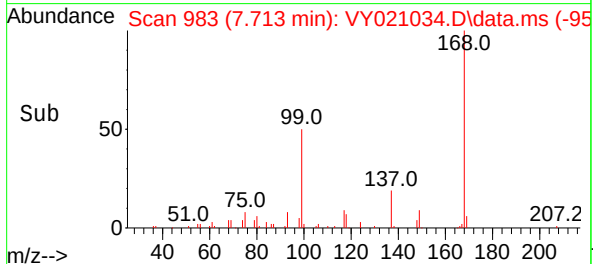
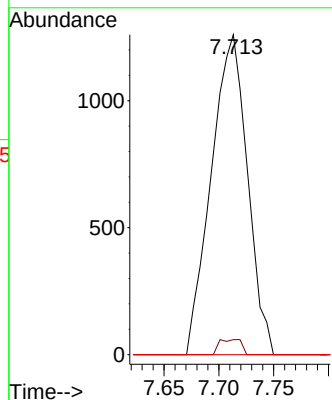
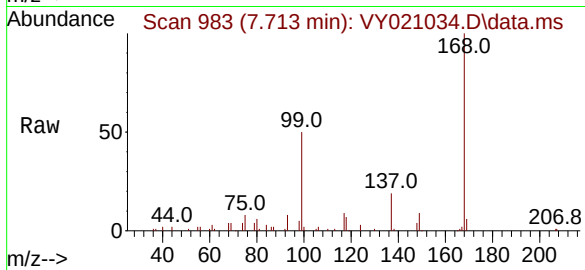
Acq: 03 Feb 2025 17:01

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117 Resp: 2892
 Ion Ratio Lower Upper
 117 100
 119 4.7 76.0 114.0#
 121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 46.970 ug/l

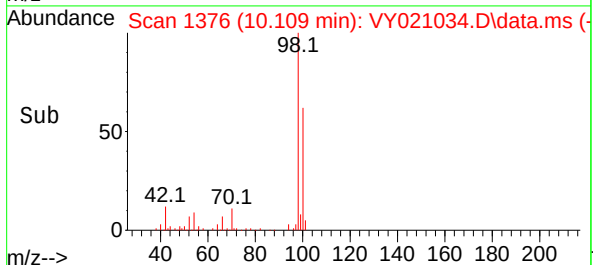
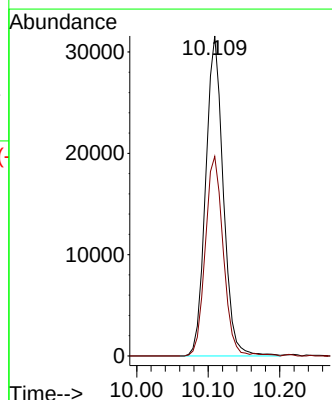
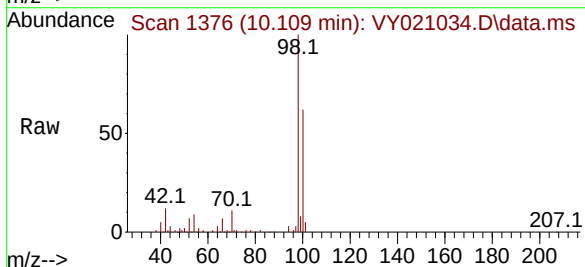
RT: 10.109 min Scan# 1376

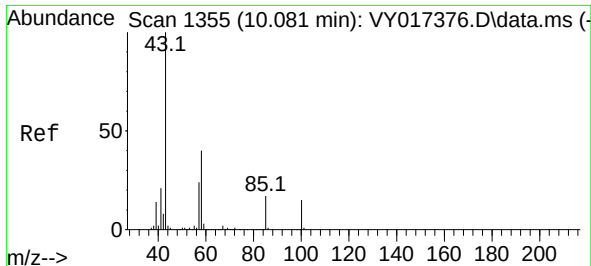
Delta R.T. -0.000 min

Lab File: VY021034.D

Acq: 03 Feb 2025 17:01

Tgt Ion: 98 Resp: 53931
 Ion Ratio Lower Upper
 98 100
 100 63.8 52.3 78.5

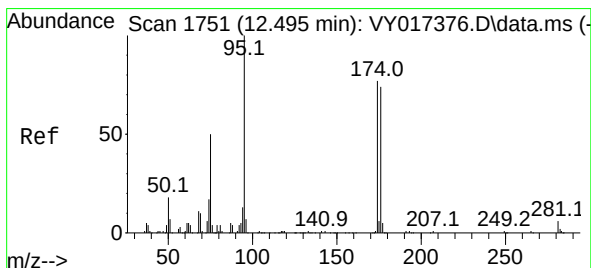
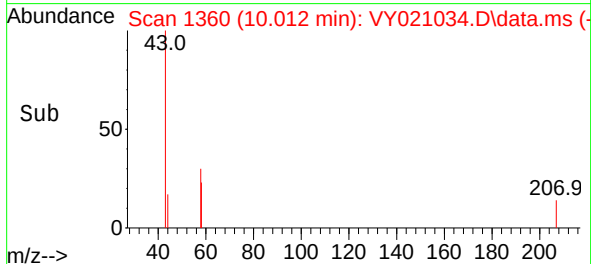
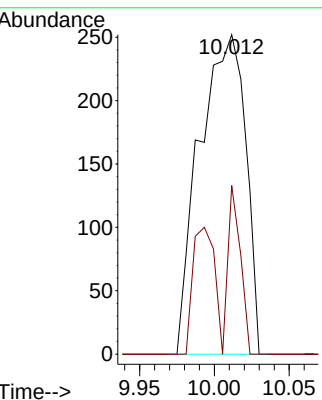
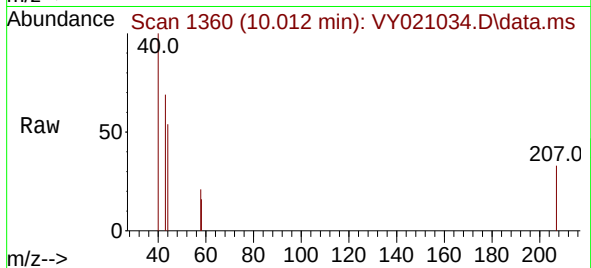




#51
4-Methyl-2-Pentanone
Concen: 2.747 ug/l
RT: 10.012 min Scan# 1355
Delta R.T. 0.012 min
Lab File: VY021034.D
Acq: 03 Feb 2025 17:01

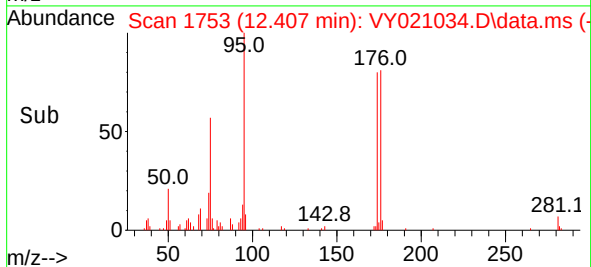
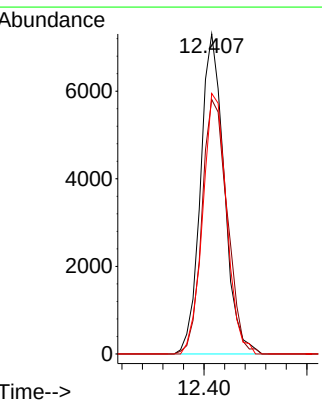
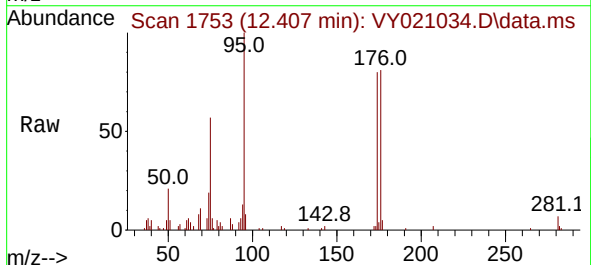
Instrument :
MSVOA_Y
ClientSampleId :

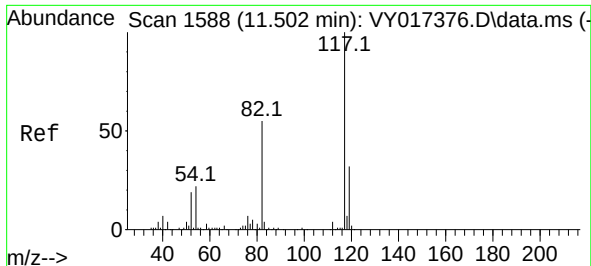
Tgt Ion: 43 Resp: 538
Ion Ratio Lower Upper
43 100
58 14.3 32.2 48.2#



#62
4-Bromofluorobenzene
Concen: 31.084 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021034.D
Acq: 03 Feb 2025 17:01

Tgt Ion: 95 Resp: 11660
Ion Ratio Lower Upper
95 100
174 85.0 0.0 160.0
176 82.2 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021034.D

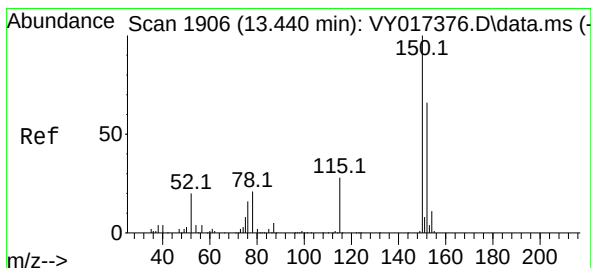
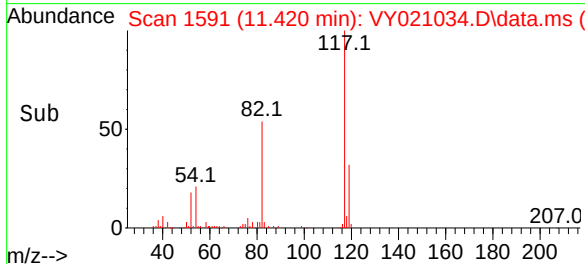
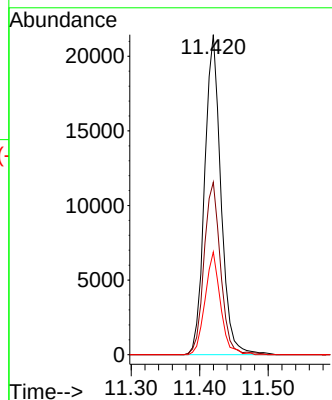
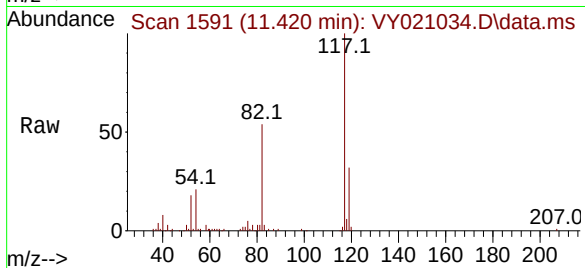
Acq: 03 Feb 2025 17:01

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117	Resp:	35477
Ion	Ratio	Lower Upper
117	100	
82	53.9	43.8 65.8
119	32.1	26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

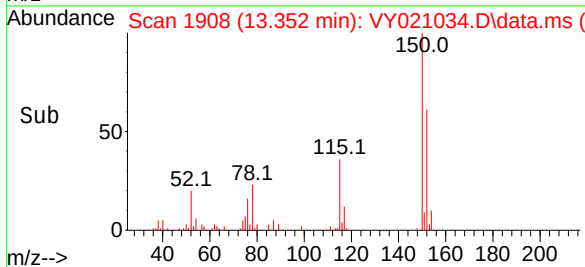
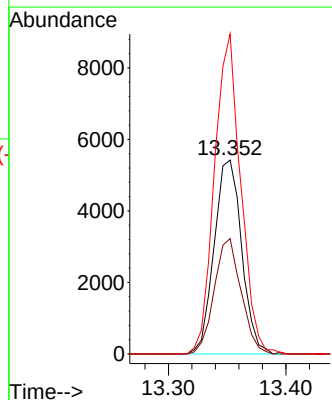
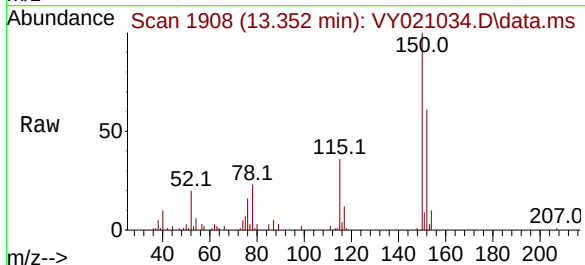
RT: 13.352 min Scan# 1908

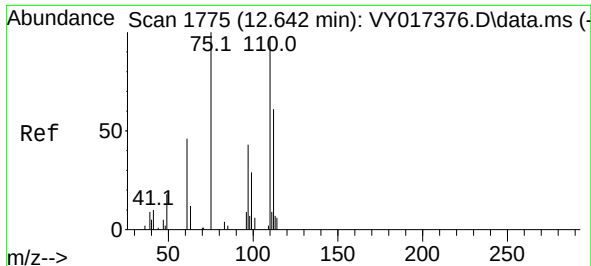
Delta R.T. -0.000 min

Lab File: VY021034.D

Acq: 03 Feb 2025 17:01

Tgt Ion:152	Resp:	8817
Ion	Ratio	Lower Upper
152	100	
115	58.3	30.0 90.0
150	157.3	0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 80.582 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.153 min

Lab File: VY021034.D

Acq: 03 Feb 2025 17:01

Instrument :

MSVOA_Y

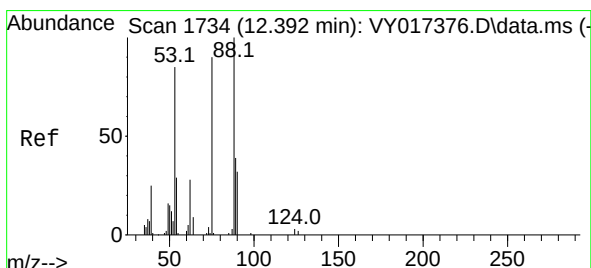
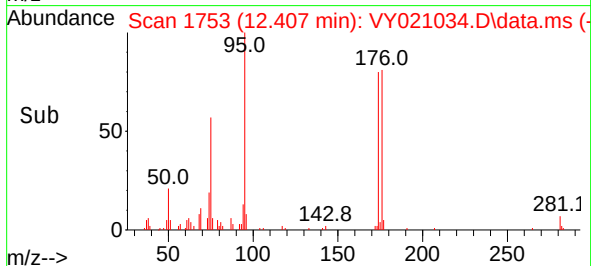
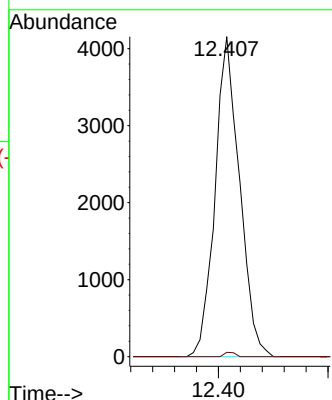
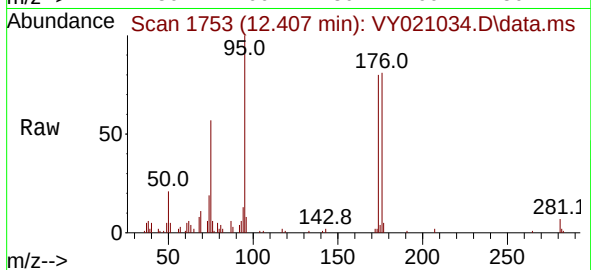
ClientSampleId :

Tgt Ion: 75 Resp: 6445

Ion Ratio Lower Upper

75 100

77 0.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 164.425 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.097 min

Lab File: VY021034.D

Acq: 03 Feb 2025 17:01

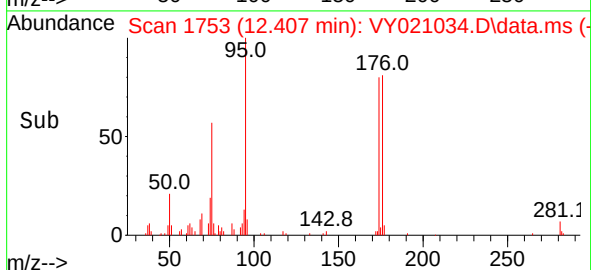
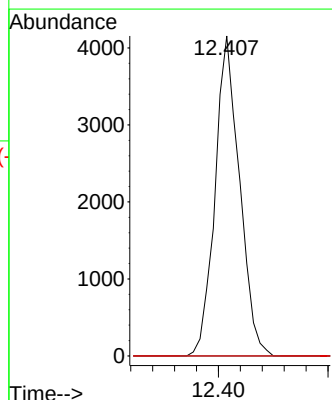
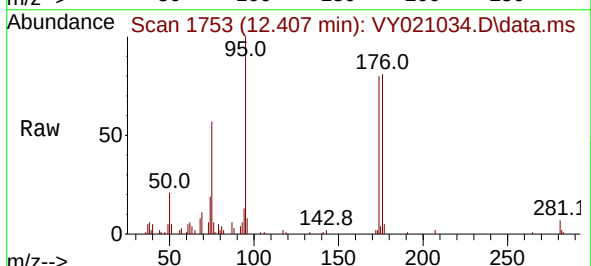
Tgt Ion: 75 Resp: 6445

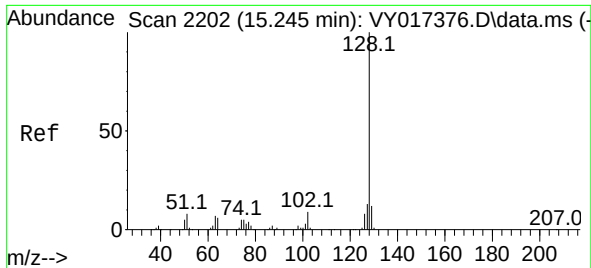
Ion Ratio Lower Upper

75 100

53 0.0 74.0 111.0#

89 0.0 36.5 54.7#





#95

Naphthalene

Concen: 1.088 ug/l

RT: 15.151 min Scan# 2202

Delta R.T. -0.000 min

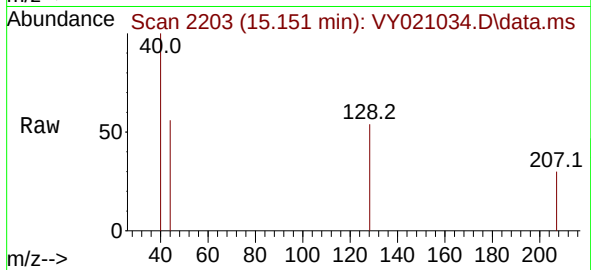
Lab File: VY021034.D

Acq: 03 Feb 2025 17:01

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 258

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.6 12.8#

