

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100124\
 Data File : VY019745.D
 Acq On : 01 Oct 2024 16:48
 Operator : SY/MD
 Sample : P4214-01
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 02 03:16:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

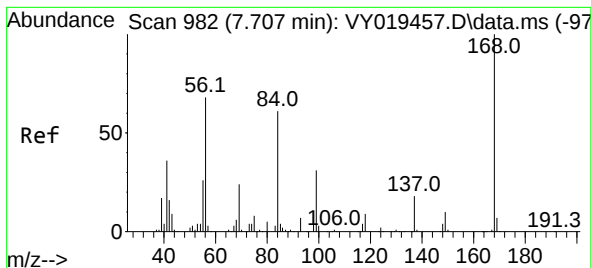
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	173174	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	296552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	226645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	79591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	80141	49.977	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.960%		
35) Dibromofluoromethane	7.634	113	39287	23.366	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	46.740%#		
50) Toluene-d8	10.103	98	335658	53.972	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	107.940%		
62) 4-Bromofluorobenzene	12.401	95	94830	39.656	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	79.320%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.098	85	82	Below Cal	#	43
11) Tert butyl alcohol	4.823	59	3970	30.656	ug/l #	88
13) Acrolein	3.610	56	54	Below Cal	#	1
16) Acetone	3.860	43	25142	65.813	ug/l #	81
20) Methylene Chloride	4.622	84	7163	4.111	ug/l #	84
25) 2-Butanone	6.890	43	7782	14.323	ug/l #	62
31) Cyclohexane	7.701	56	4646	1.619	ug/l #	29
36) 1,1-Dichloropropene	7.707	75	14559	6.363	ug/l #	50
37) Ethyl Acetate	6.890	43	7782	6.638	ug/l #	1
38) Carbon Tetrachloride	7.707	117	18399	7.131	ug/l #	17
41) Methacrylonitrile	7.262	41	763	1.117	ug/l #	18
51) 4-Methyl-2-Pentanone	10.005	43	2767	2.233	ug/l #	70
59) 2-Hexanone	10.761	43	919	1.012	ug/l	75
74) N-amyl acetate	12.030	43	1674	1.066	ug/l #	47
76) 1,2,3-Trichloropropane	12.401	75	51769	69.396	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	51769	133.219	ug/l #	16

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

Quant Time: Oct 02 03:16:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY019745.D

Acq: 01 Oct 2024 16:48

Instrument :

MSVOA_Y

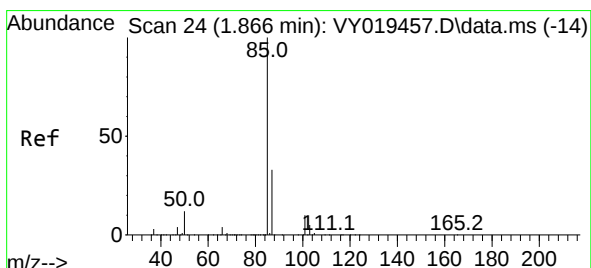
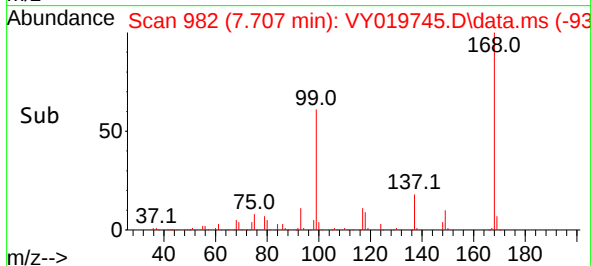
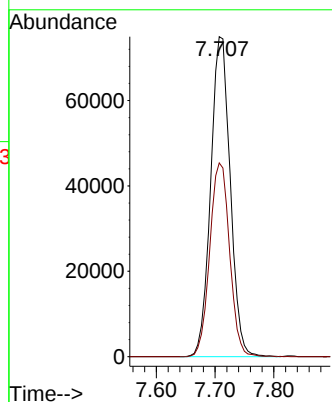
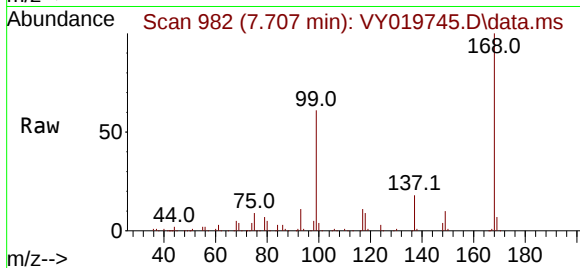
ClientSampleId :

Tgt Ion:168 Resp: 173174

Ion Ratio Lower Upper

168 100

99 60.6 39.1 58.7#



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.098 min Scan# 62

Delta R.T. 0.232 min

Lab File: VY019745.D

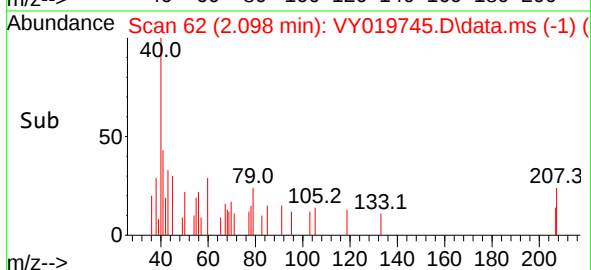
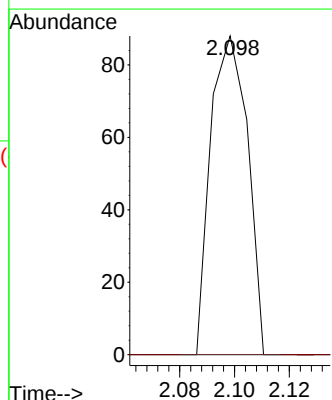
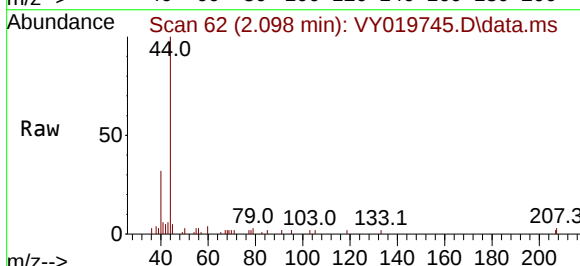
Acq: 01 Oct 2024 16:48

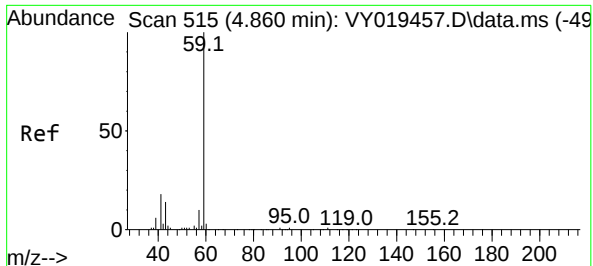
Tgt Ion: 85 Resp: 82

Ion Ratio Lower Upper

85 100

87 0.0 16.0 48.0#





#11

Tert butyl alcohol

Concen: 30.656 ug/l

RT: 4.823 min Scan# 509

Delta R.T. -0.036 min

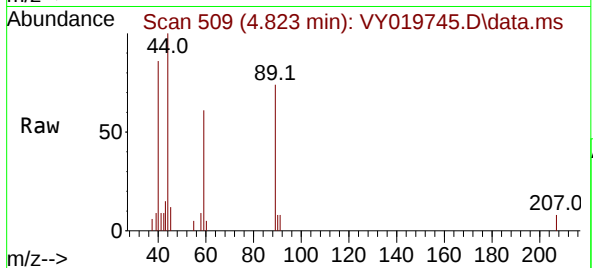
Lab File: VY019745.D

Acq: 01 Oct 2024 16:48

Instrument :

MSVOA_Y

ClientSampleId :

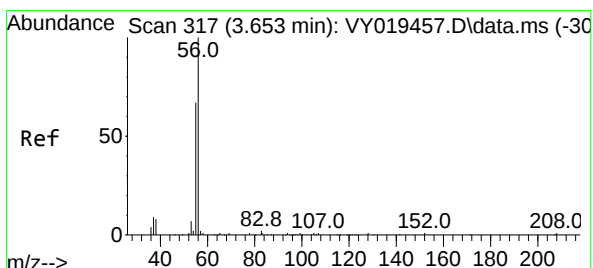
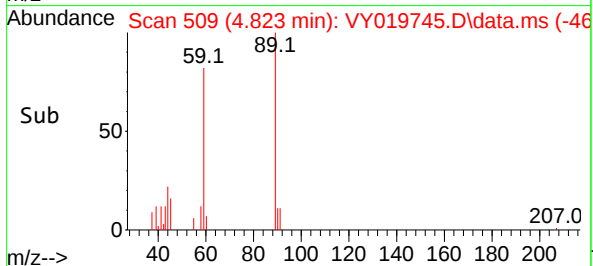
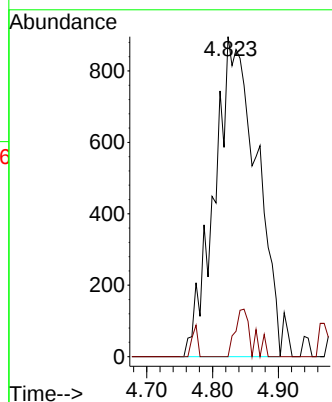


Tgt Ion: 59 Resp: 3970

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.610 min Scan# 310

Delta R.T. -0.043 min

Lab File: VY019745.D

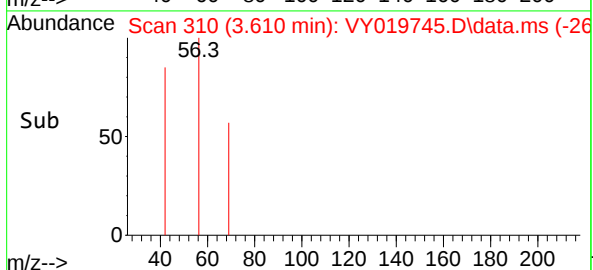
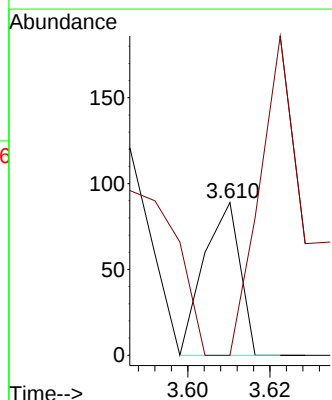
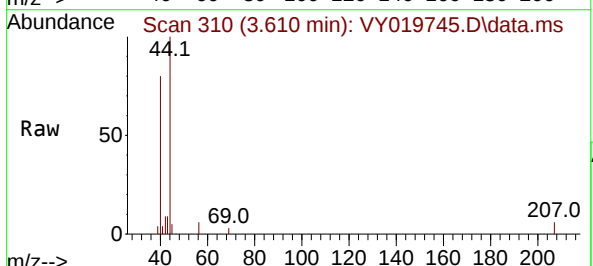
Acq: 01 Oct 2024 16:48

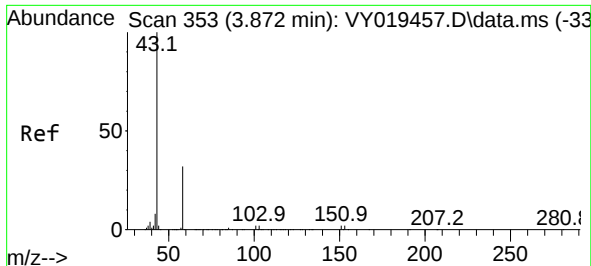
Tgt Ion: 56 Resp: 54

Ion Ratio Lower Upper

56 100

55 268.5 55.7 83.5#

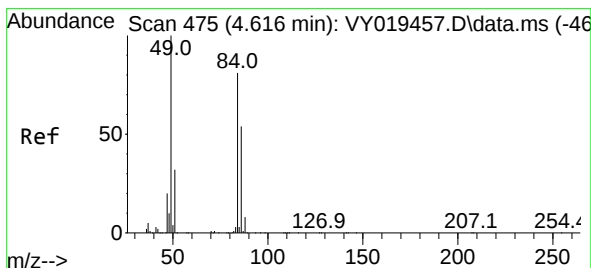
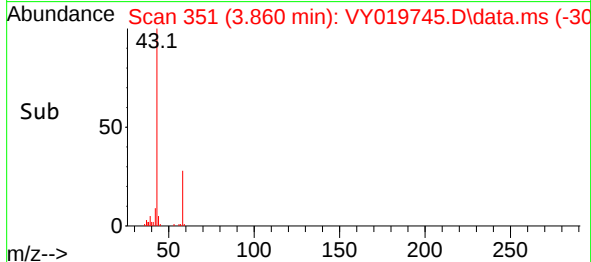
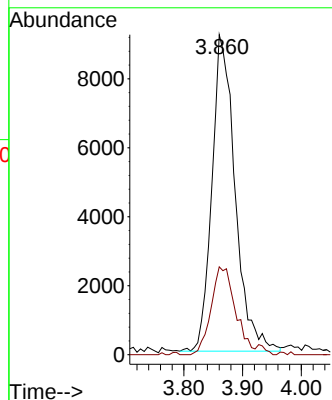
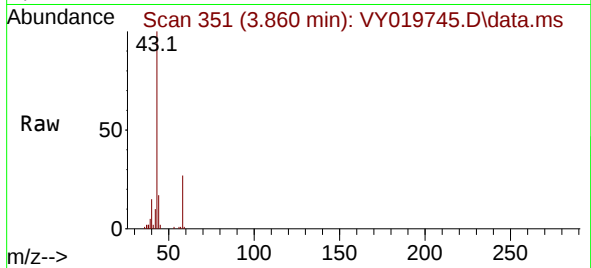




#16
 Acetone
 Concen: 65.813 ug/l
 RT: 3.860 min Scan# 351
 Delta R.T. -0.012 min
 Lab File: VY019745.D
 Acq: 01 Oct 2024 16:48

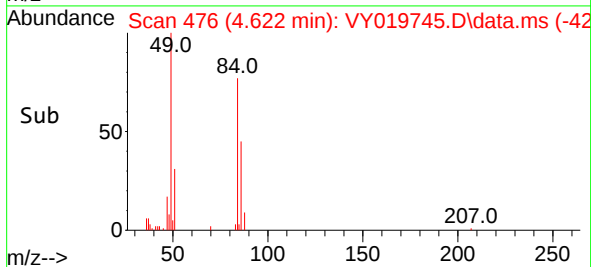
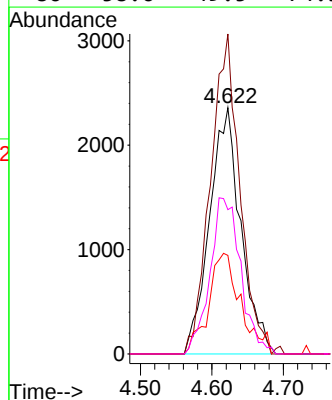
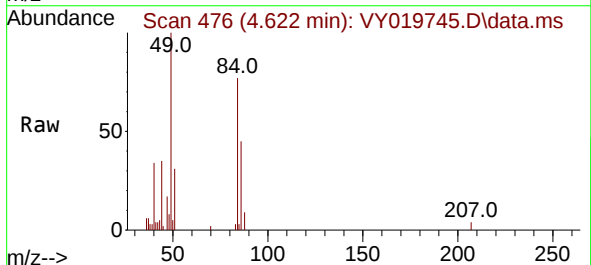
Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 43 Resp: 25142
 Ion Ratio Lower Upper
 43 100
 58 27.8 31.7 47.5#



#20
 Methylene Chloride
 Concen: 4.111 ug/l
 RT: 4.622 min Scan# 476
 Delta R.T. 0.006 min
 Lab File: VY019745.D
 Acq: 01 Oct 2024 16:48

Tgt Ion: 84 Resp: 7163
 Ion Ratio Lower Upper
 84 100
 49 130.0 84.4 126.6#
 51 40.1 26.0 39.0#
 86 58.6 49.5 74.3

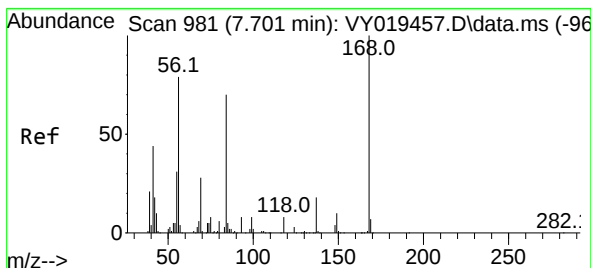
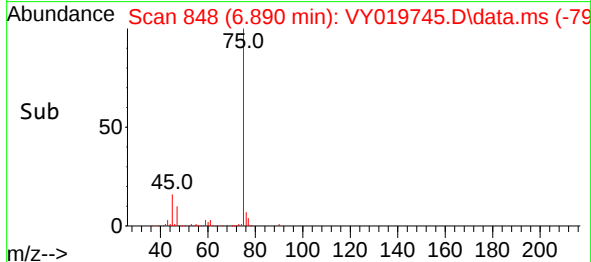
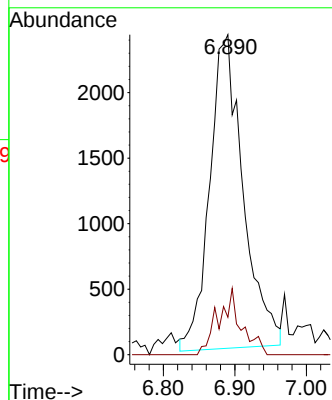
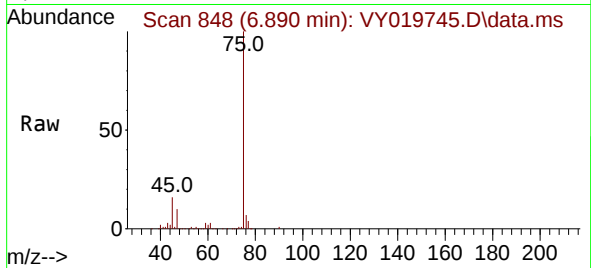




#25
2-Butanone
Concen: 14.323 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY019745.D
Acq: 01 Oct 2024 16:48

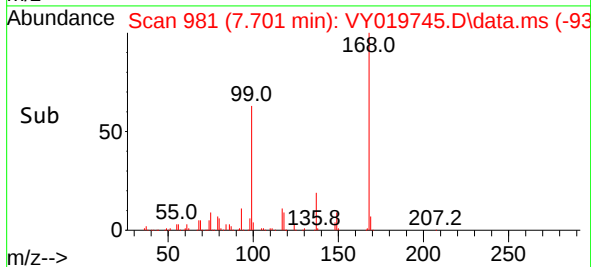
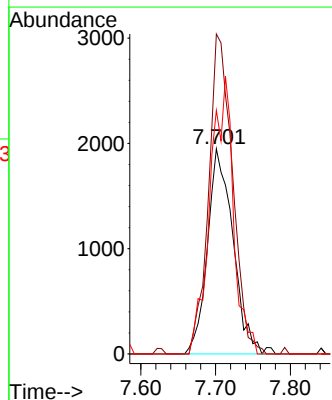
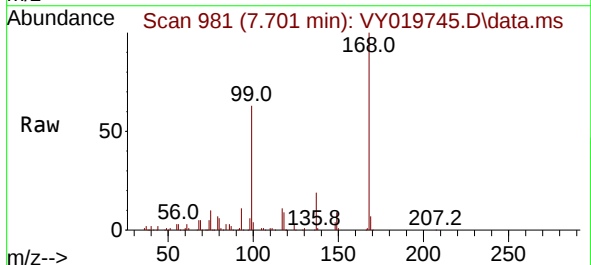
Instrument :
MSVOA_Y
ClientSampleId :

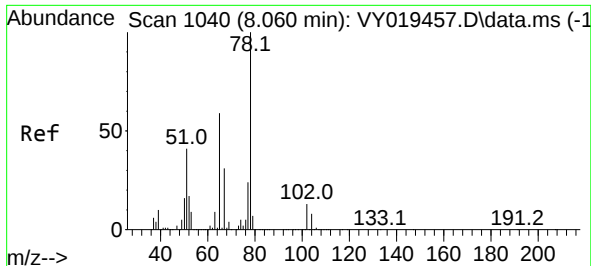
Tgt Ion: 43 Resp: 7782
Ion Ratio Lower Upper
43 100
72 12.3 27.3 40.9#



#31
Cyclohexane
Concen: 1.619 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY019745.D
Acq: 01 Oct 2024 16:48

Tgt Ion: 56 Resp: 4646
Ion Ratio Lower Upper
56 100
69 156.0 28.7 43.1#
84 118.7 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 49.977 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VY019745.D

Acq: 01 Oct 2024 16:48

Instrument :

MSVOA_Y

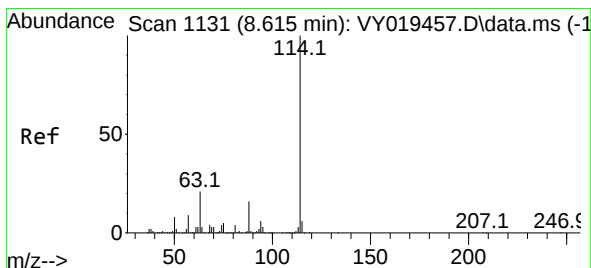
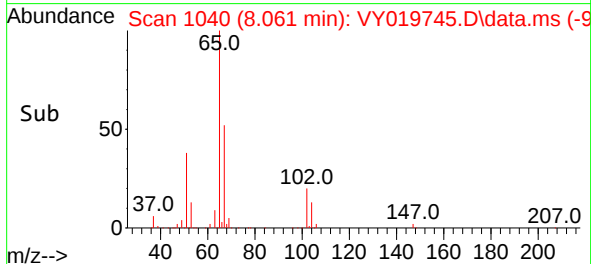
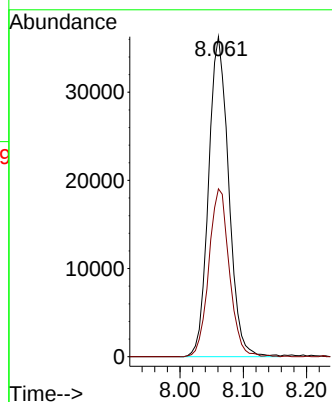
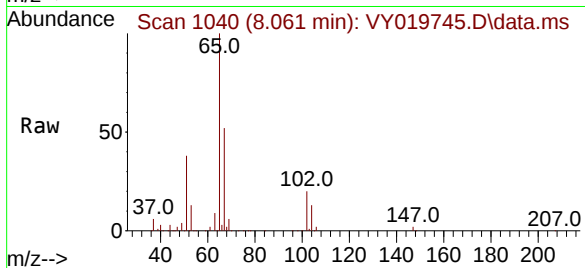
ClientSampleId :

Tgt Ion: 65 Resp: 80141

Ion Ratio Lower Upper

65 100

67 53.3 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019745.D

Acq: 01 Oct 2024 16:48

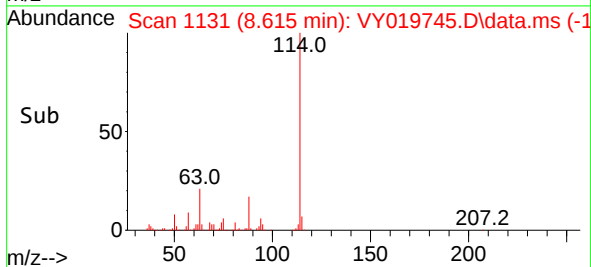
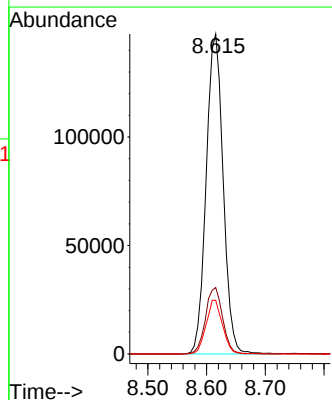
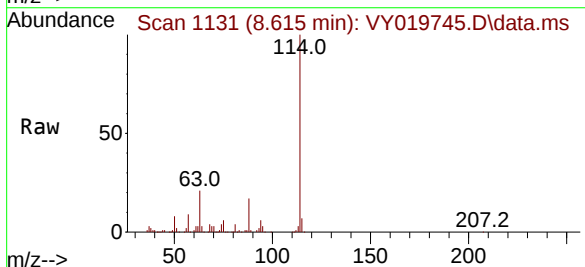
Tgt Ion:114 Resp: 296552

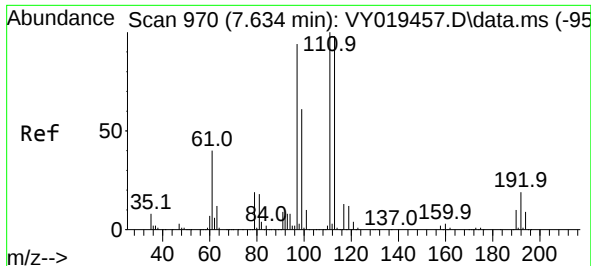
Ion Ratio Lower Upper

114 100

63 20.8 0.0 35.0

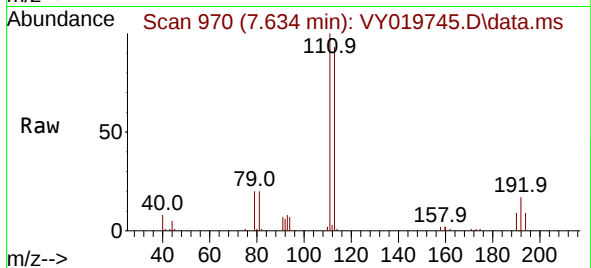
88 16.8 0.0 27.2



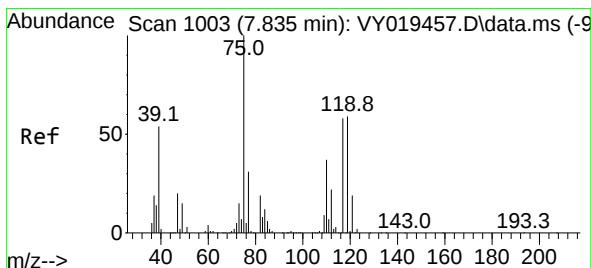
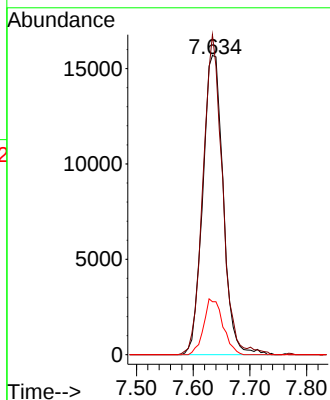
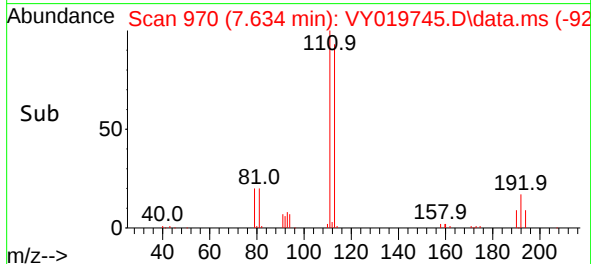


#35
 Dibromofluoromethane
 Concen: 23.366 ug/l
 RT: 7.634 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VY019745.D
 Acq: 01 Oct 2024 16:48

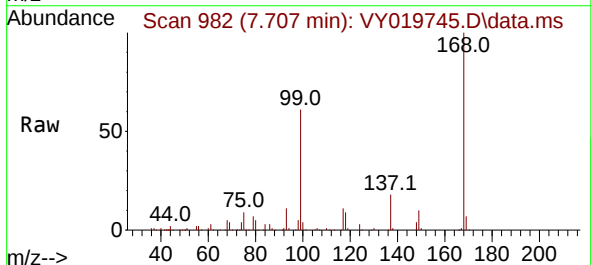
Instrument :
 MSVOA_Y
 ClientSampleId :



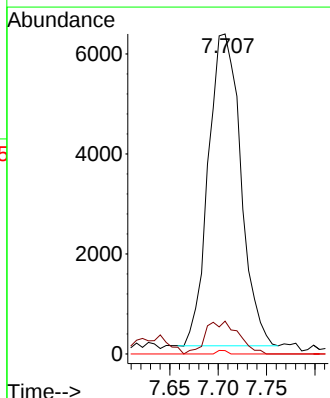
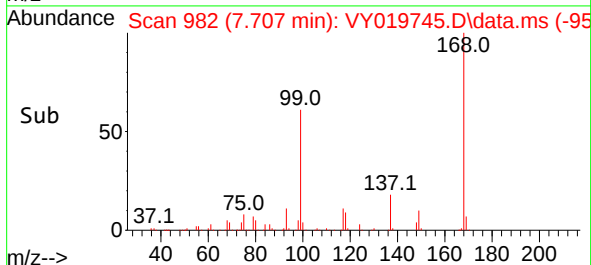
Tgt Ion:113 Resp: 39287
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.2 123.4
 192 17.5 15.9 23.9

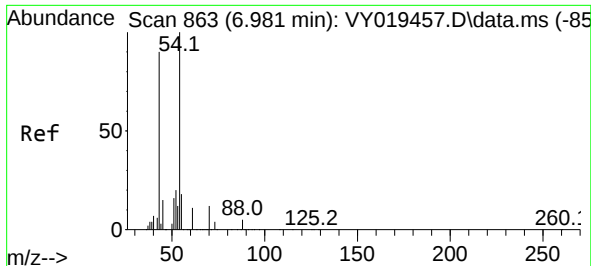


#36
 1,1-Dichloropropene
 Concen: 6.363 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.128 min
 Lab File: VY019745.D
 Acq: 01 Oct 2024 16:48



Tgt Ion: 75 Resp: 14559
 Ion Ratio Lower Upper
 75 100
 110 10.7 19.0 57.0#
 77 0.3 25.3 37.9#





#37

Ethyl Acetate

Concen: 6.638 ug/l

RT: 6.890 min Scan# 84

Delta R.T. -0.091 min

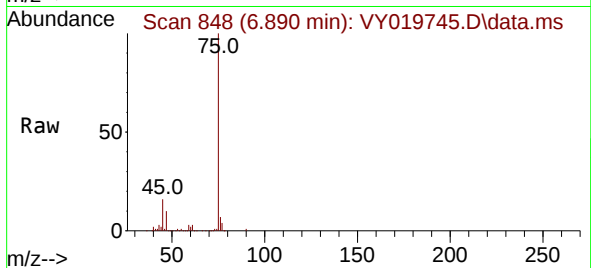
Lab File: VY019745.D

Acq: 01 Oct 2024 16:48

Instrument :

MSVOA_Y

ClientSampleId :



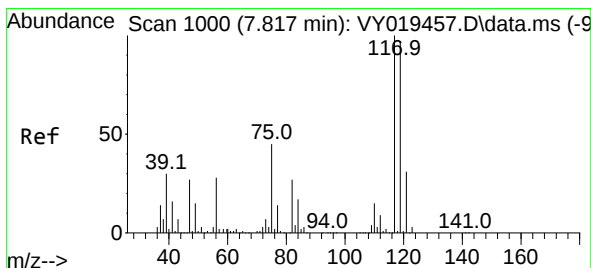
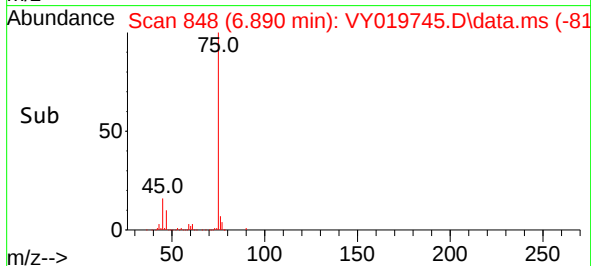
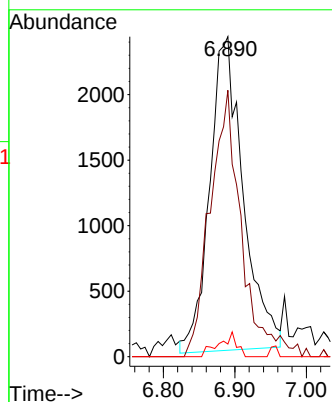
Tgt Ion: 43 Resp: 7782

Ion Ratio Lower Upper

43 100

61 79.4 12.6 19.0#

70 4.1 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 7.131 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY019745.D

Acq: 01 Oct 2024 16:48

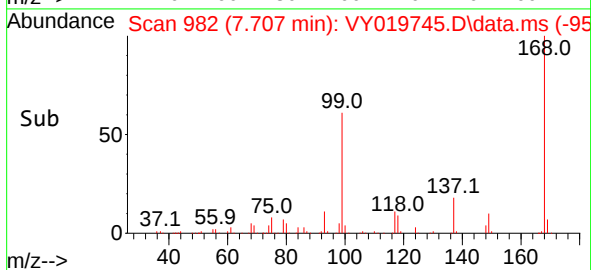
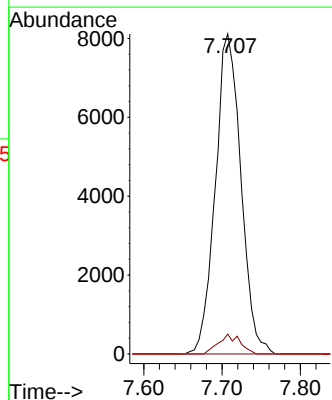
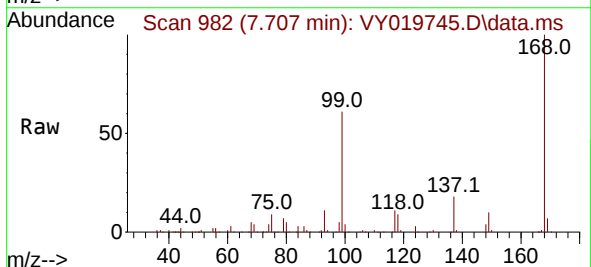
Tgt Ion: 117 Resp: 18399

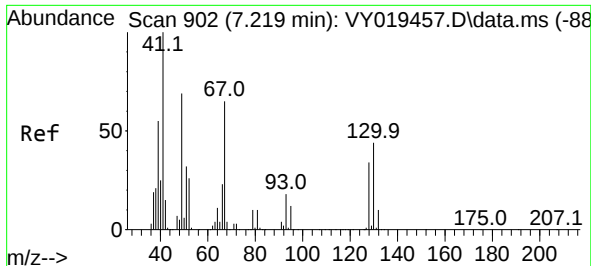
Ion Ratio Lower Upper

117 100

119 6.2 75.8 113.6#

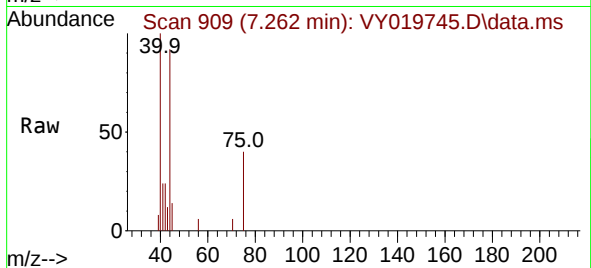
121 0.0 24.0 36.0#



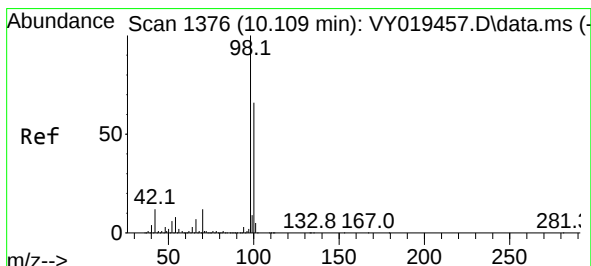
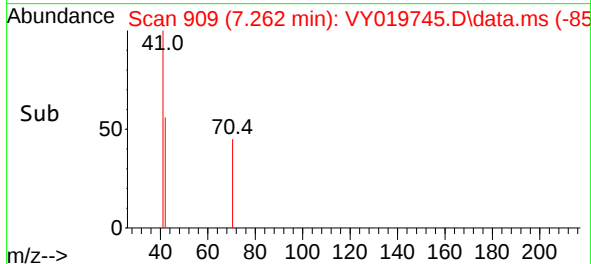
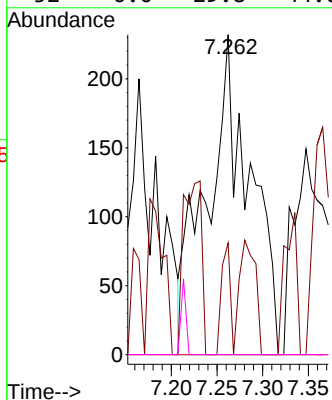


#41
Methacrylonitrile
Concen: 1.117 ug/l
RT: 7.262 min Scan# 902
Delta R.T. 0.043 min
Lab File: VY019745.D
Acq: 01 Oct 2024 16:48

Instrument :
MSVOA_Y
ClientSampleId :

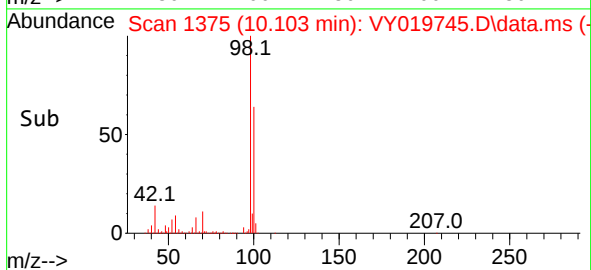
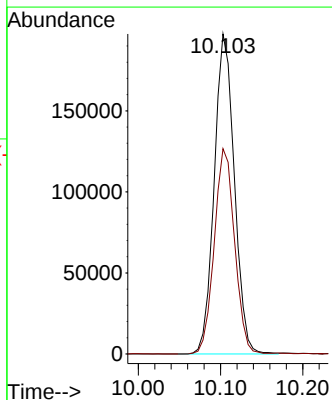
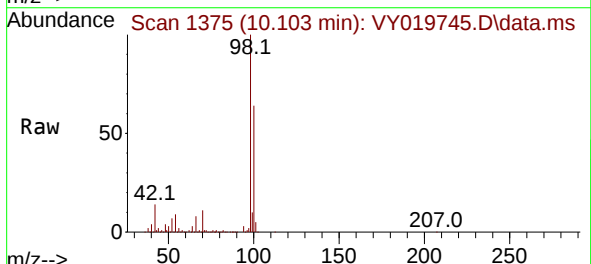


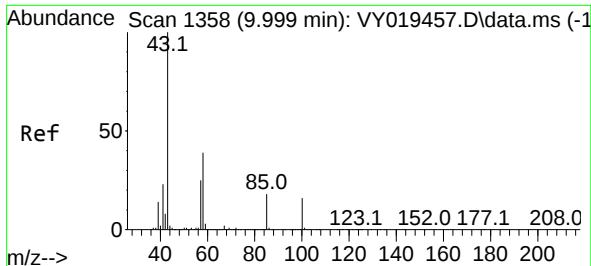
Tgt Ion: 41	Resp: 763
Ion Ratio	Lower Upper
41 100	
39 6.9	48.0 72.0#
67 0.0	75.1 112.7#
52 0.0	29.8 44.6#



#50
Toluene-d8
Concen: 53.972 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY019745.D
Acq: 01 Oct 2024 16:48

Tgt Ion: 98	Resp: 335658
Ion Ratio	Lower Upper
98 100	
100 64.9	52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 2.233 ug/l

RT: 10.005 min Scan# 1359

Delta R.T. 0.006 min

Lab File: VY019745.D

Acq: 01 Oct 2024 16:48

Instrument :

MSVOA_Y

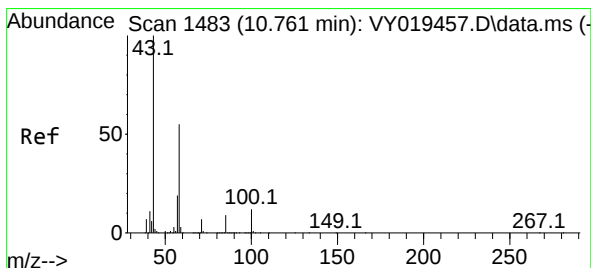
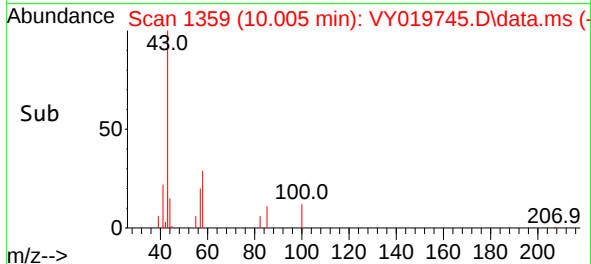
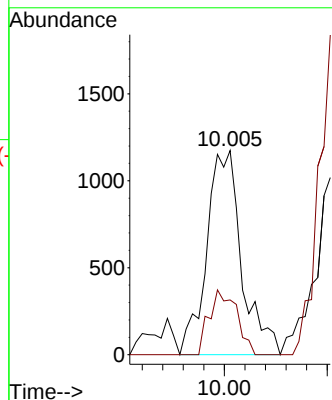
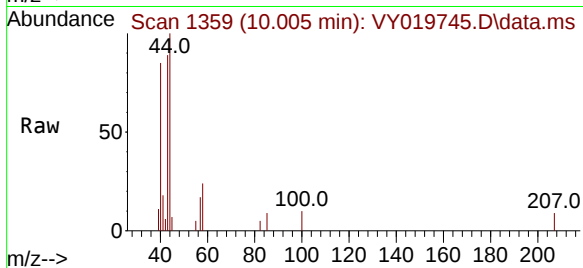
ClientSampleId :

Tgt Ion: 43 Resp: 2767

Ion Ratio Lower Upper

43 100

58 25.1 35.7 53.5#



#59

2-Hexanone

Concen: 1.012 ug/l

RT: 10.761 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY019745.D

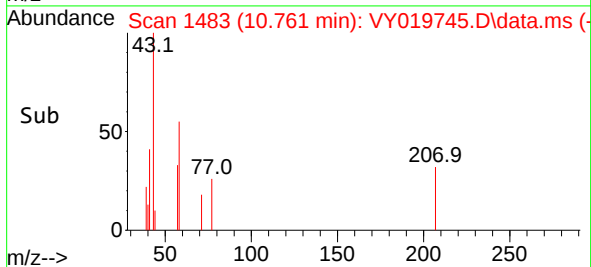
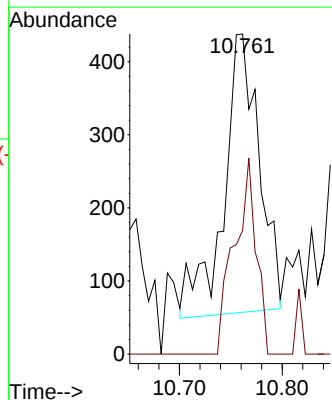
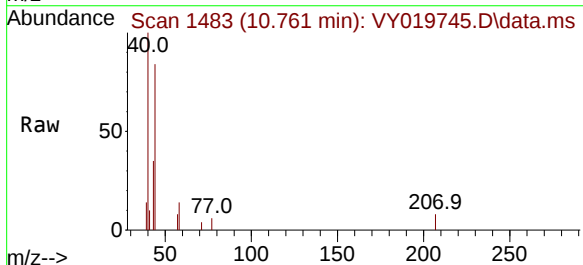
Acq: 01 Oct 2024 16:48

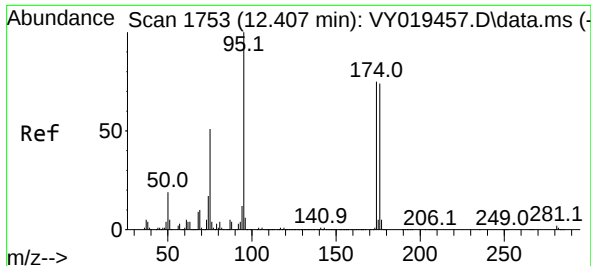
Tgt Ion: 43 Resp: 919

Ion Ratio Lower Upper

43 100

58 43.1 31.4 94.0





#62

4-Bromofluorobenzene

Concen: 39.656 ug/l

RT: 12.401 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY019745.D

Acq: 01 Oct 2024 16:48

Instrument :

MSVOA_Y

ClientSampleId :

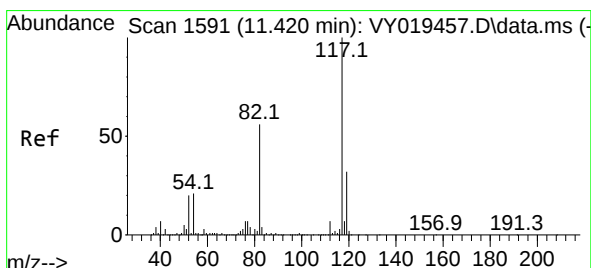
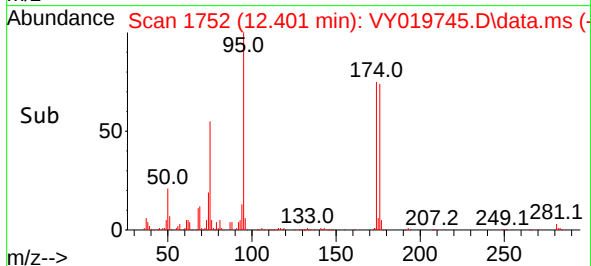
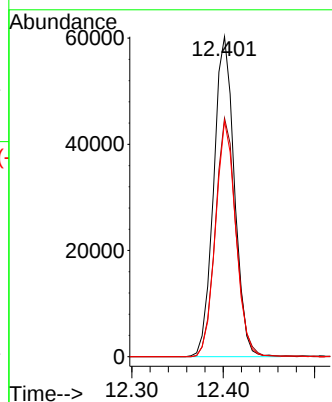
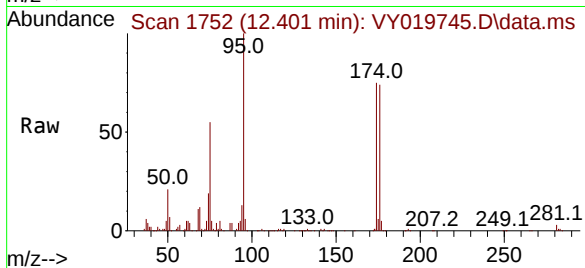
Tgt Ion: 95 Resp: 94830

Ion Ratio Lower Upper

95 100

174 74.3 0.0 175.6

176 72.1 0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY019745.D

Acq: 01 Oct 2024 16:48

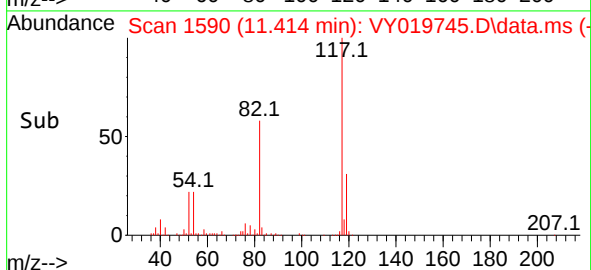
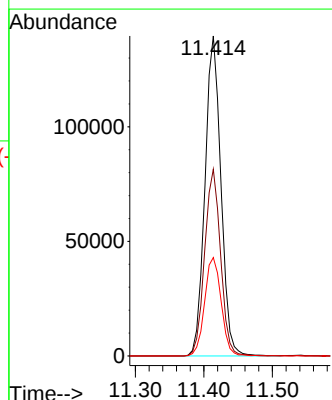
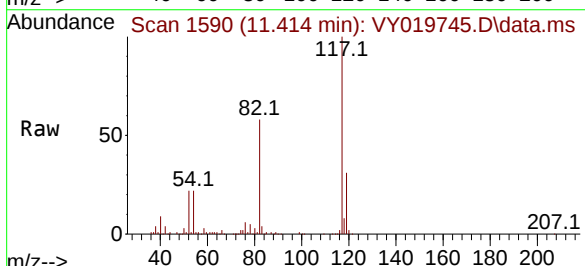
Tgt Ion: 117 Resp: 226645

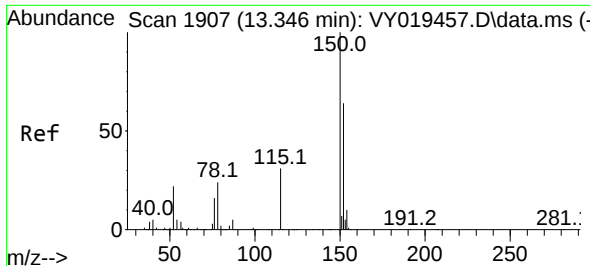
Ion Ratio Lower Upper

117 100

82 58.3 42.4 63.6

119 30.8 25.9 38.9

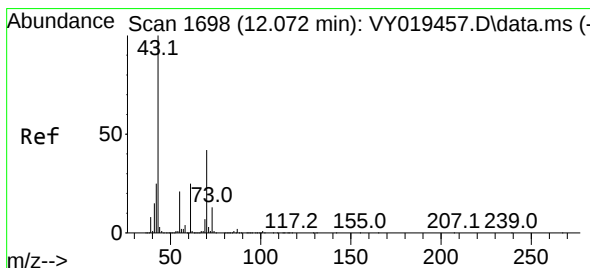
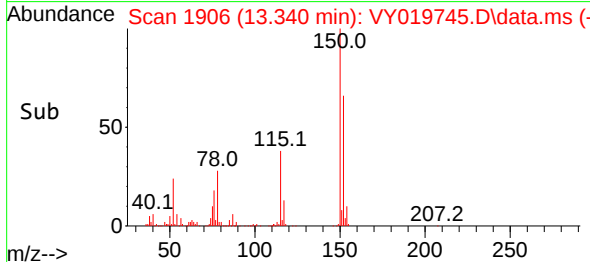
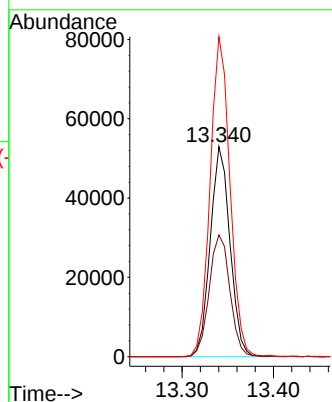
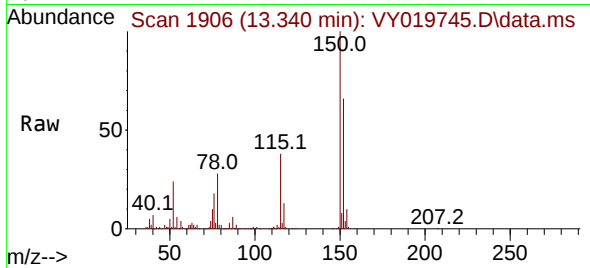




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1907
 Delta R.T. -0.006 min
 Lab File: VY019745.D
 Acq: 01 Oct 2024 16:48

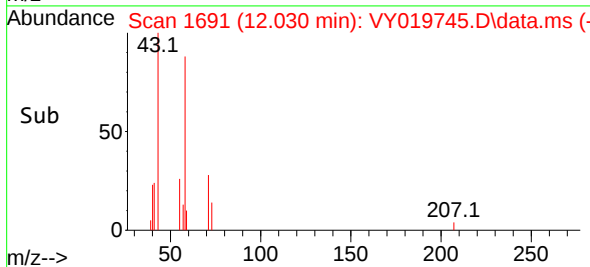
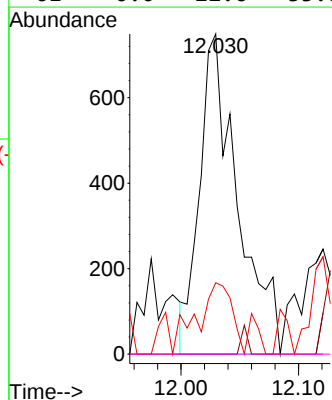
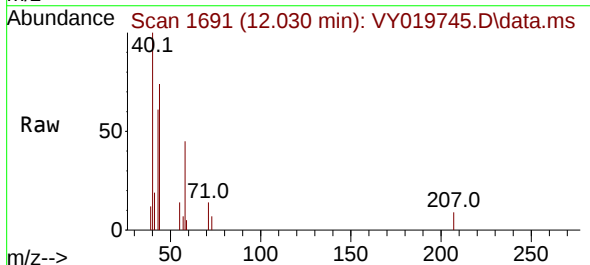
Instrument :
 MSVOA_Y
 ClientSampleId :

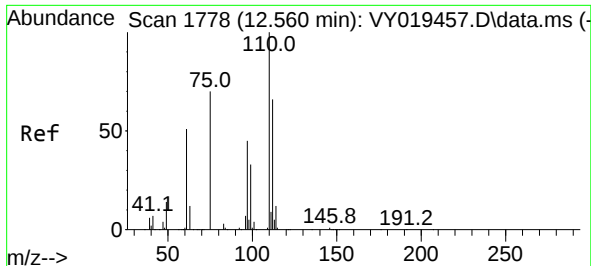
Tgt Ion:152 Resp: 79591
 Ion Ratio Lower Upper
 152 100
 115 60.9 28.2 84.7
 150 152.8 0.0 345.6



#74
 N-ethyl acetate
 Concen: 1.066 ug/l
 RT: 12.030 min Scan# 1691
 Delta R.T. -0.042 min
 Lab File: VY019745.D
 Acq: 01 Oct 2024 16:48

Tgt Ion: 43 Resp: 1674
 Ion Ratio Lower Upper
 43 100
 70 0.0 41.4 62.2#
 55 20.7 23.3 34.9#
 61 0.0 22.6 33.8#

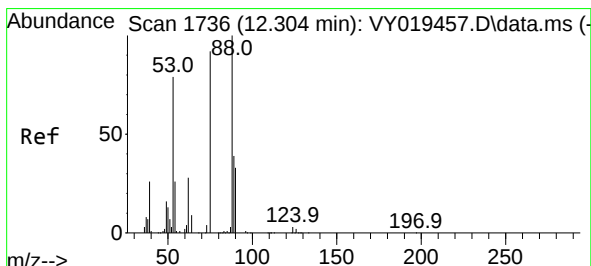
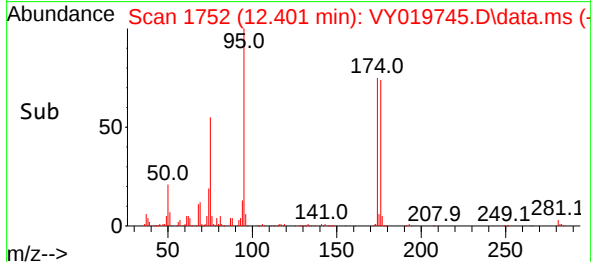
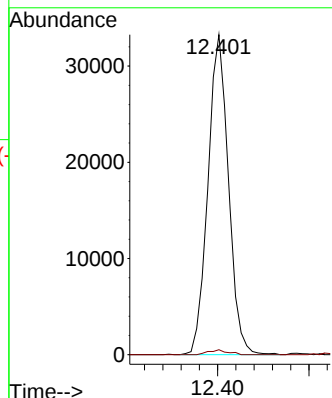
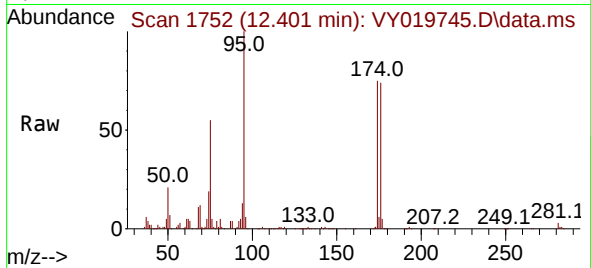




#76
1,2,3-Trichloropropane
Concen: 69.396 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY019745.D
Acq: 01 Oct 2024 16:48

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 51769
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.219 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY019745.D
Acq: 01 Oct 2024 16:48

Tgt Ion: 75 Resp: 51769
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

