

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091624\
 Data File : VY019572.D
 Acq On : 16 Sep 2024 17:26
 Operator : SY/MD
 Sample : P3930-01
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 17 02:16:06 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)

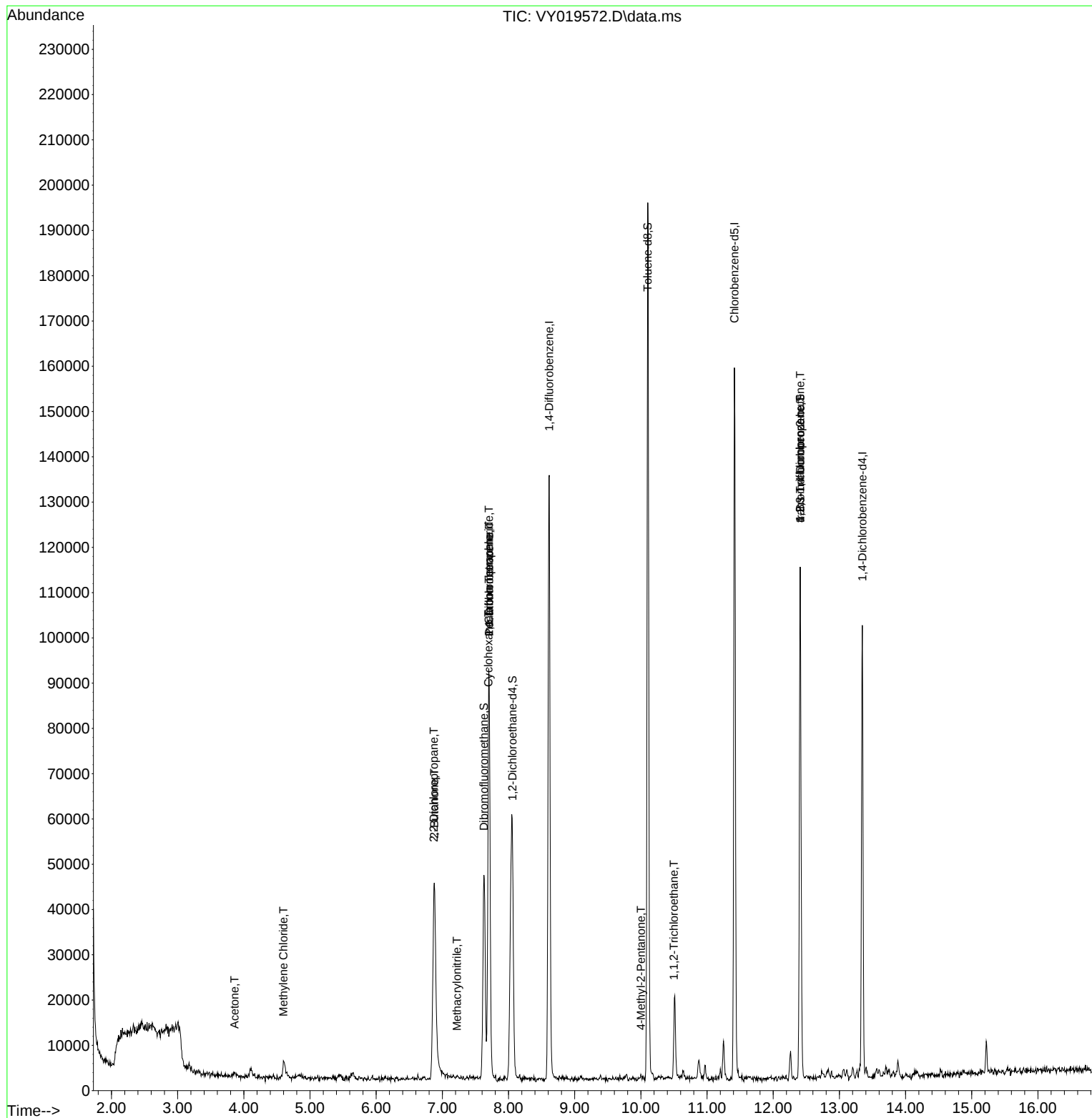
Internal Standards						
1) Pentafluorobenzene	7.707	168	68090	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	113269	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	84449	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	24741	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	31225	49.524	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.040%
35) Dibromofluoromethane	7.628	113	32683	50.891	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.780%
50) Toluene-d8	10.103	98	125756	52.941	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	105.880%
62) 4-Bromofluorobenzene	12.408	95	33114	36.255	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	72.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.062	85	44	Below Cal	#	43
13) Acrolein	3.653	56	204	Below Cal		93
16) Acetone	3.860	43	2414	16.071	ug/l #	65
20) Methylene Chloride	4.598	84	2238	3.267	ug/l #	77
25) 2-Butanone	6.878	43	2761	12.924	ug/l #	41
26) 2,2-Dichloropropane	6.872	77	3823	3.395	ug/l #	51
31) Cyclohexane	7.695	56	1879	1.665	ug/l #	60
36) 1,1-Dichloropropene	7.707	75	6582	7.532	ug/l #	48
38) Carbon Tetrachloride	7.701	117	7082	7.187	ug/l #	17
41) Methacrylonitrile	7.220	41	281	1.077	ug/l #	35
51) 4-Methyl-2-Pentanone	10.000	43	718	1.517	ug/l #	45
55) 1,1,2-Trichloroethane	10.500	97	568	1.143	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	17683	76.254	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	17683	146.386	ug/l #	16

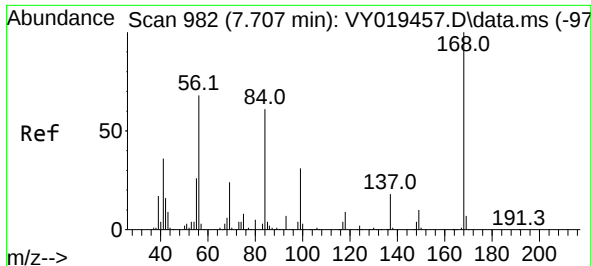
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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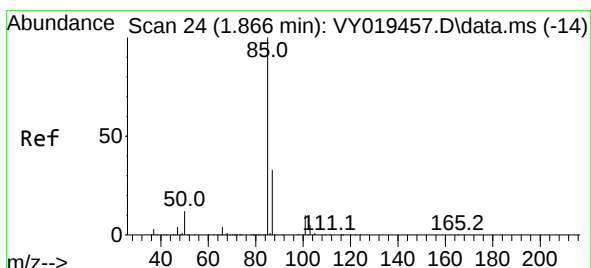
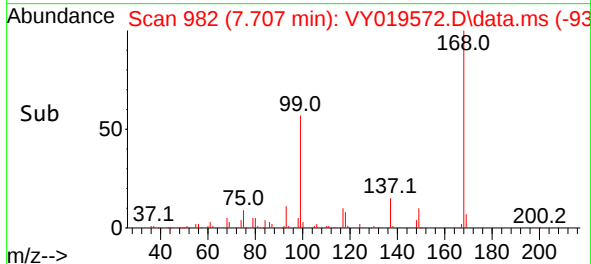
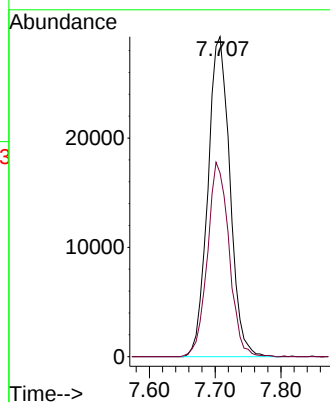
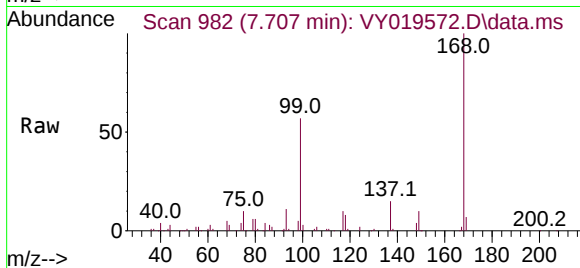




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019572.D
Acq: 16 Sep 2024 17:26

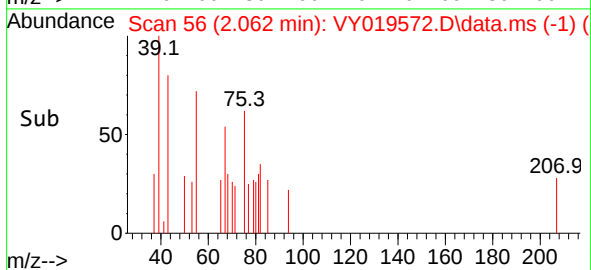
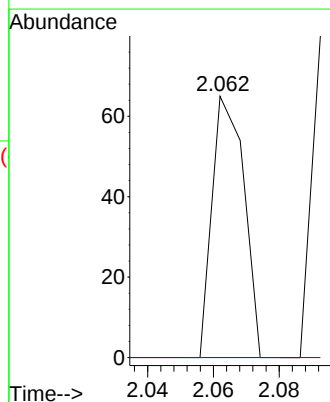
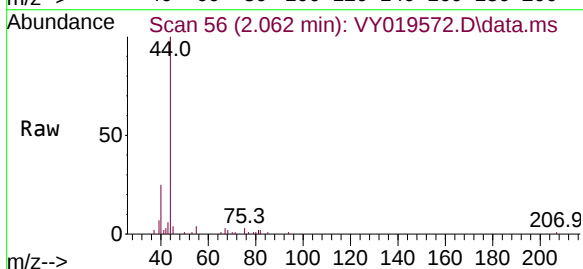
Instrument :
MSVOA_Y
ClientSampleId :

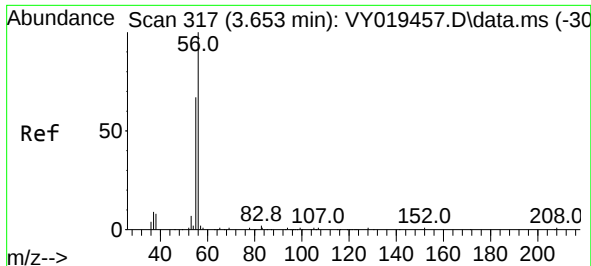
Tgt Ion:168 Resp: 68090
Ion Ratio Lower Upper
168 100
99 57.4 39.1 58.7



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.062 min Scan# 56
Delta R.T. 0.196 min
Lab File: VY019572.D
Acq: 16 Sep 2024 17:26

Tgt Ion: 85 Resp: 44
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#





#13

Acrolein

Concen: Below Cal

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY019572.D

Acq: 16 Sep 2024 17:26

Instrument :

MSVOA_Y

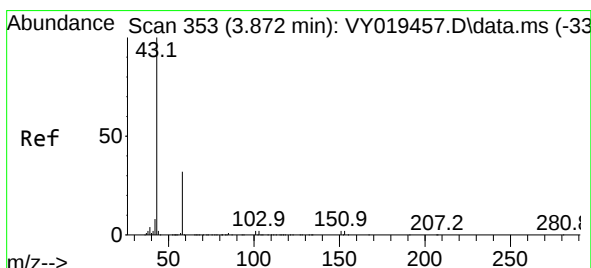
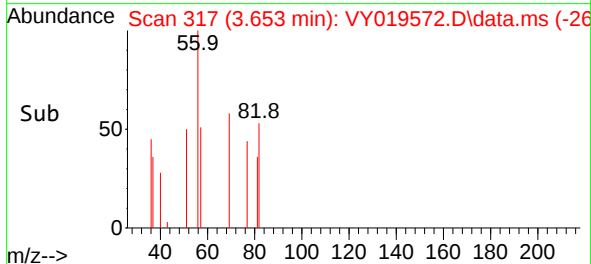
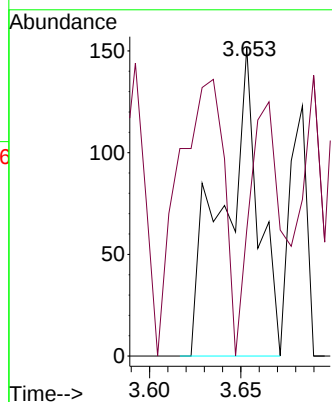
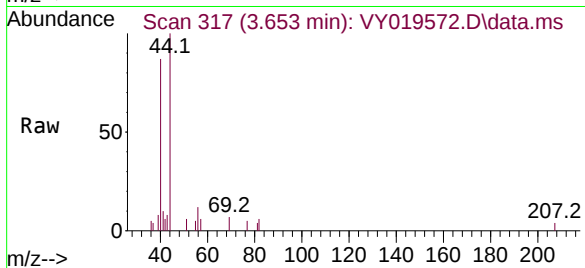
ClientSampleId :

Tgt Ion: 56 Resp: 204

Ion Ratio Lower Upper

56 100

55 75.0 55.7 83.5



#16

Acetone

Concen: 16.071 ug/l

RT: 3.860 min Scan# 351

Delta R.T. -0.012 min

Lab File: VY019572.D

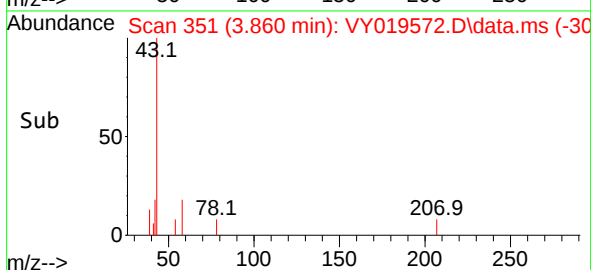
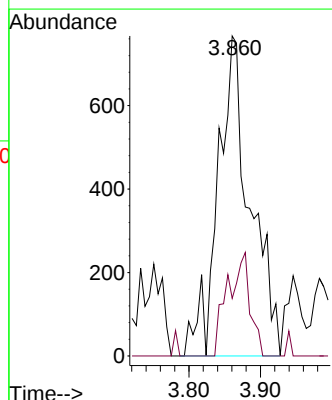
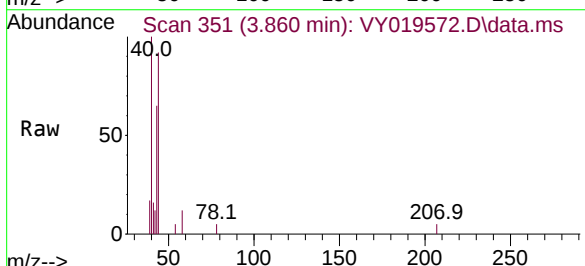
Acq: 16 Sep 2024 17:26

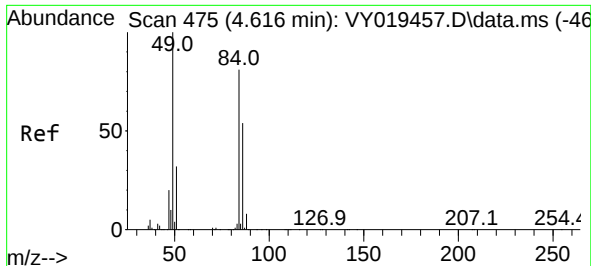
Tgt Ion: 43 Resp: 2414

Ion Ratio Lower Upper

43 100

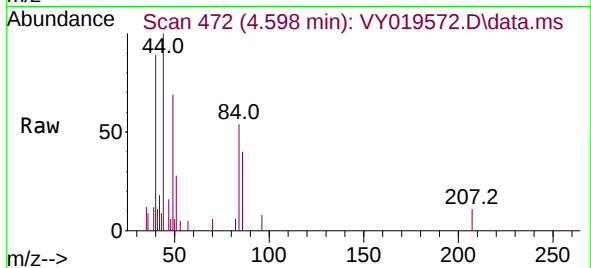
58 18.0 31.7 47.5#



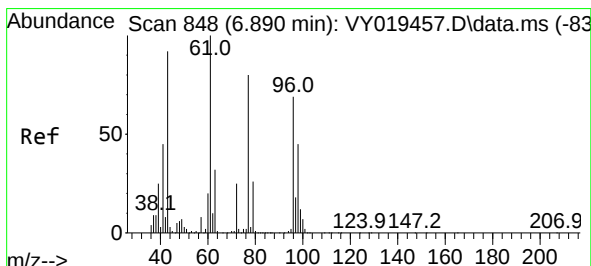
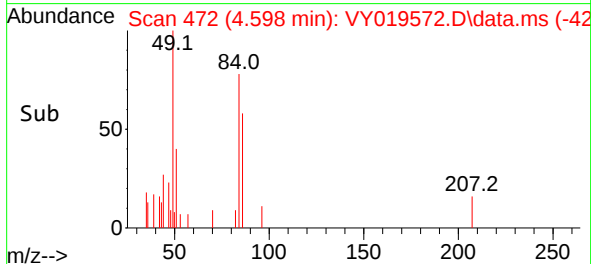
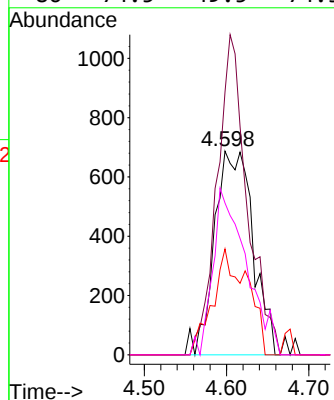


#20
Methylene Chloride
Concen: 3.267 ug/l
RT: 4.598 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY019572.D
Acq: 16 Sep 2024 17:26

Instrument :
MSVOA_Y
ClientSampleId :

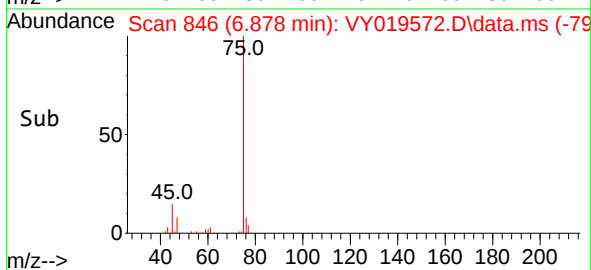
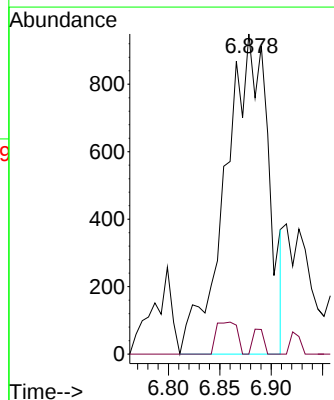
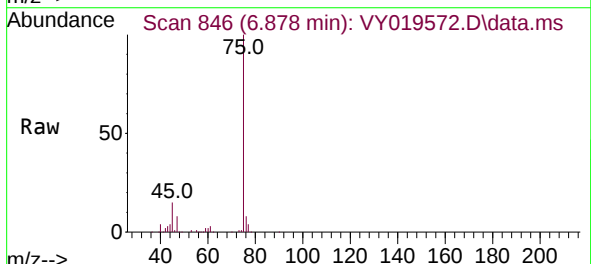


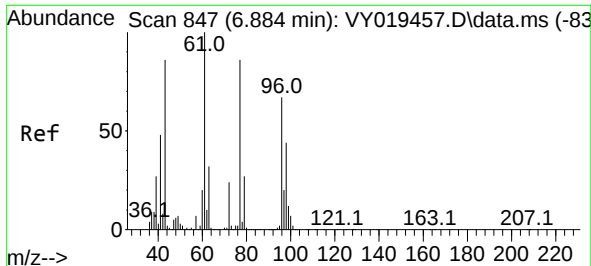
Tgt Ion:	84	Resp:	2238
Ion	Ratio	Lower	Upper
84	100		
49	129.0	84.4	126.6#
51	52.0	26.0	39.0#
86	74.5	49.5	74.3#



#25
2-Butanone
Concen: 12.924 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY019572.D
Acq: 16 Sep 2024 17:26

Tgt Ion:	43	Resp:	2761
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.3	40.9#





#26

2,2-Dichloropropane

Concen: 3.395 ug/l

RT: 6.872 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY019572.D

Acq: 16 Sep 2024 17:26

Instrument :

MSVOA_Y

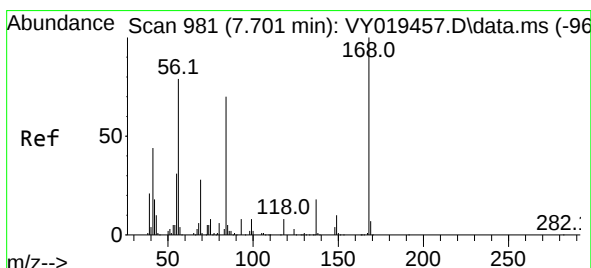
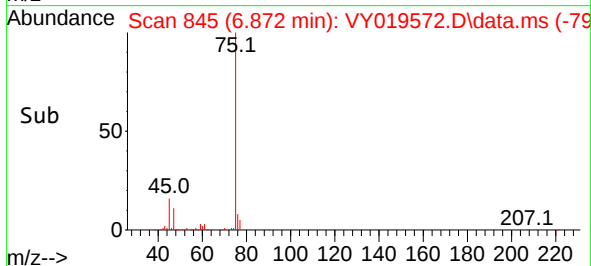
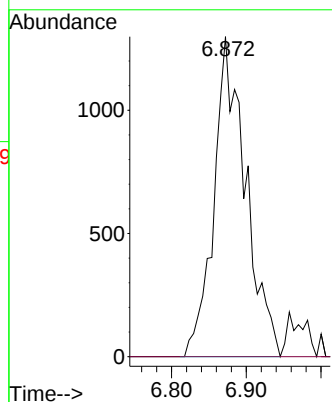
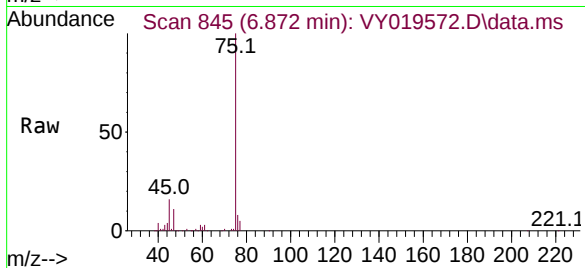
ClientSampleId :

Tgt Ion: 77 Resp: 3823

Ion Ratio Lower Upper

77 100

97 0.0 12.0 36.1#



#31

Cyclohexane

Concen: 1.665 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.006 min

Lab File: VY019572.D

Acq: 16 Sep 2024 17:26

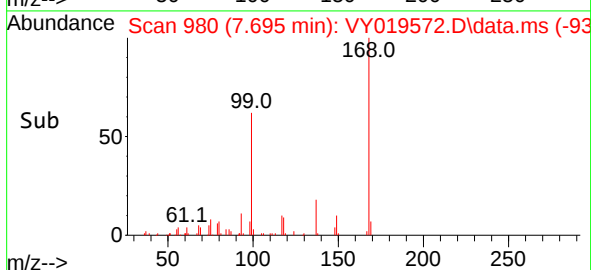
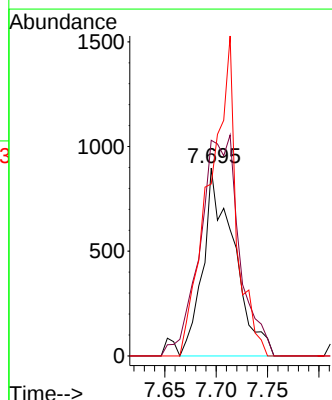
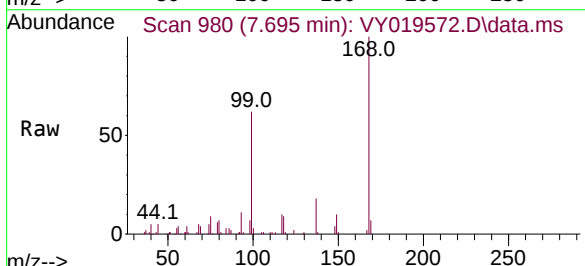
Tgt Ion: 56 Resp: 1879

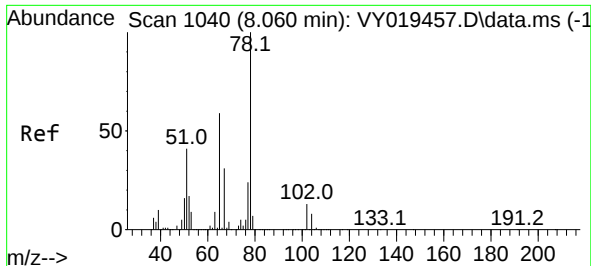
Ion Ratio Lower Upper

56 100

69 114.8 28.7 43.1#

84 91.5 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 49.524 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY019572.D

Acq: 16 Sep 2024 17:26

Instrument :

MSVOA_Y

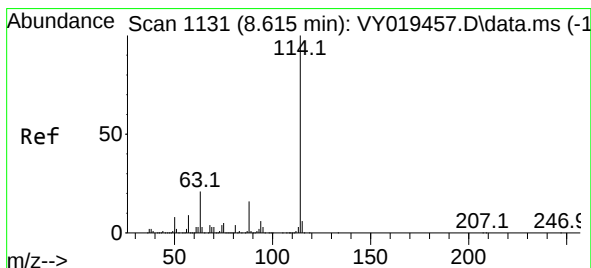
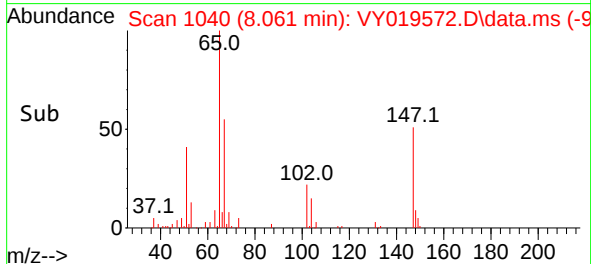
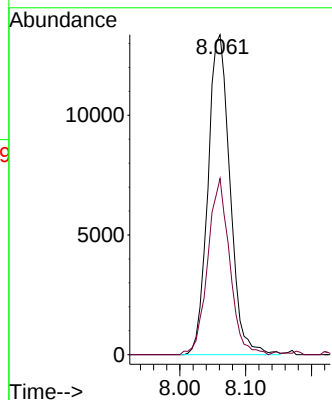
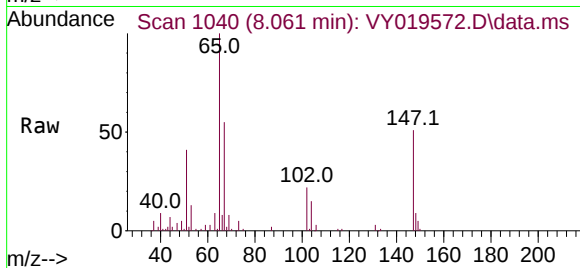
ClientSampleId :

Tgt Ion: 65 Resp: 31225

Ion Ratio Lower Upper

65 100

67 54.6 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019572.D

Acq: 16 Sep 2024 17:26

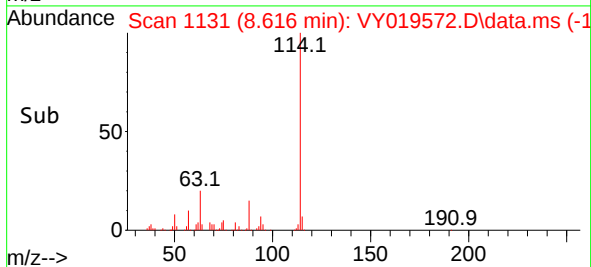
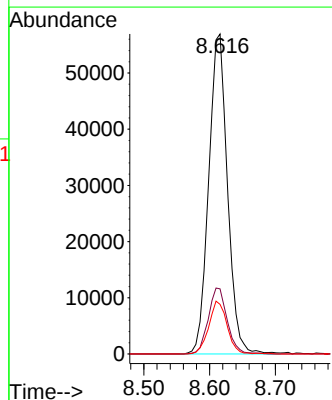
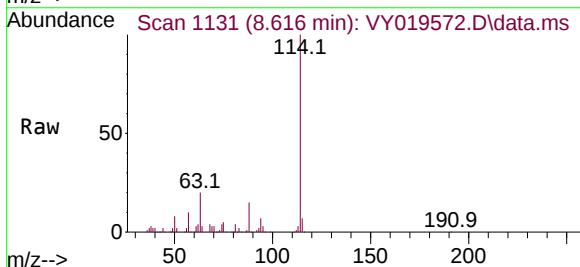
Tgt Ion: 114 Resp: 113269

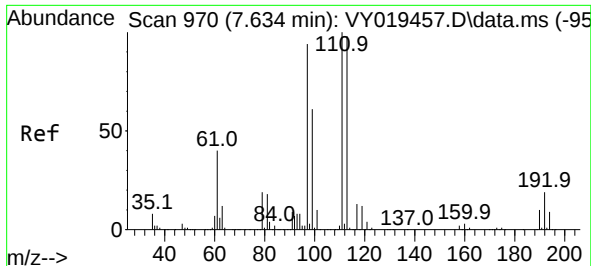
Ion Ratio Lower Upper

114 100

63 20.4 0.0 35.0

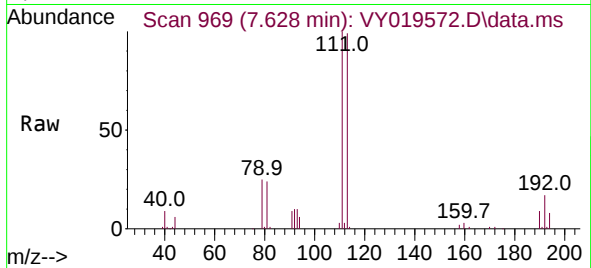
88 15.5 0.0 27.2





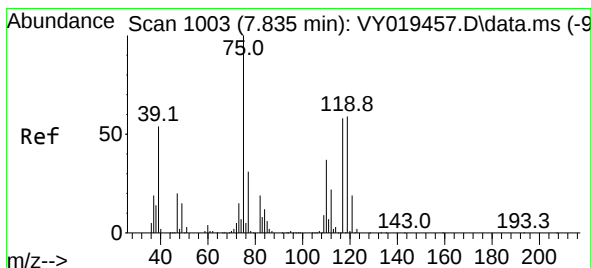
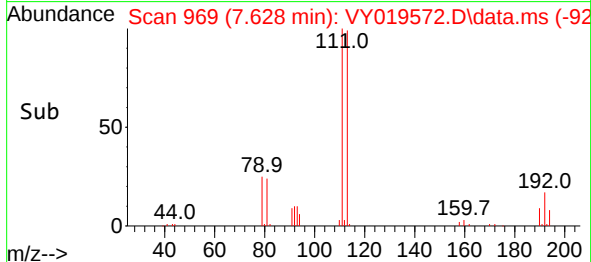
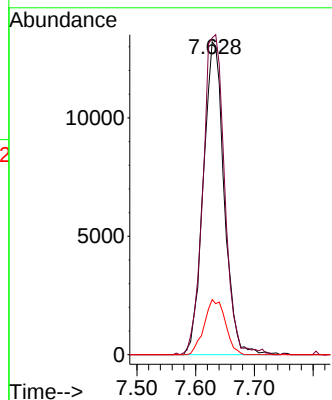
#35
 Dibromofluoromethane
 Concen: 50.891 ug/l
 RT: 7.628 min Scan# 911
 Delta R.T. -0.006 min
 Lab File: VY019572.D
 Acq: 16 Sep 2024 17:26

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 113 Resp: 32683

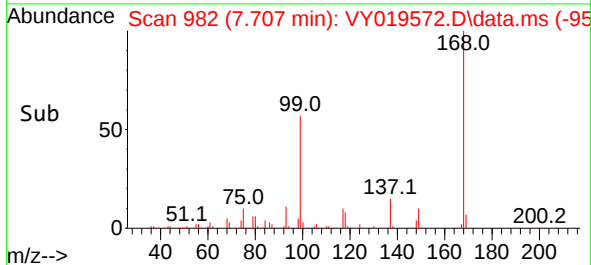
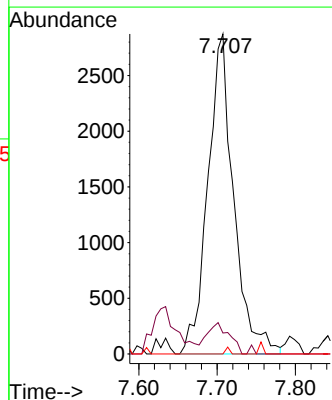
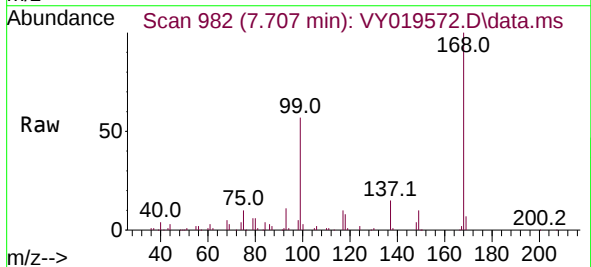
Ion	Ratio	Lower	Upper
113	100		
111	106.2	82.2	123.4
192	17.8	15.9	23.9

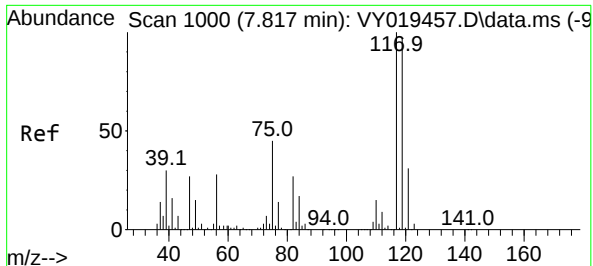


#36
 1,1-Dichloropropene
 Concen: 7.532 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.128 min
 Lab File: VY019572.D
 Acq: 16 Sep 2024 17:26

Tgt Ion: 75 Resp: 6582

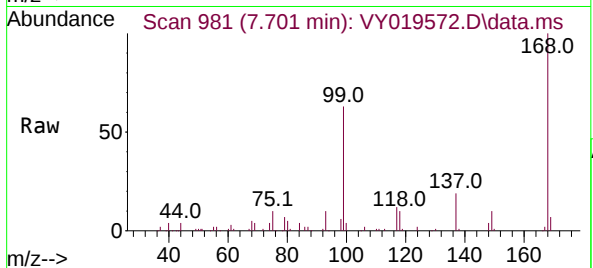
Ion	Ratio	Lower	Upper
75	100		
110	8.4	19.0	57.0#
77	0.3	25.3	37.9#



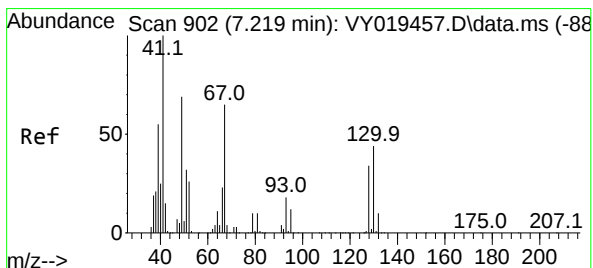
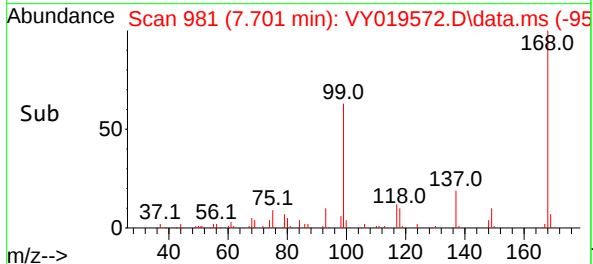
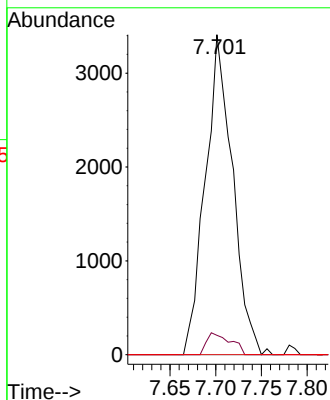


#38
Carbon Tetrachloride
Concen: 7.187 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.115 min
Lab File: VY019572.D
Acq: 16 Sep 2024 17:26

Instrument :
MSVOA_Y
ClientSampleId :

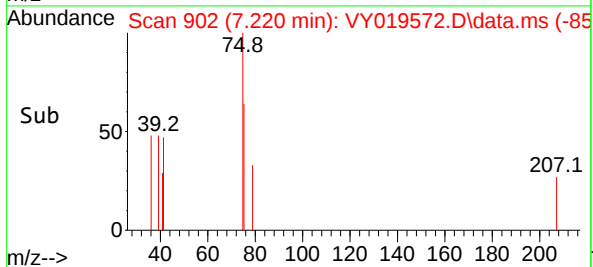
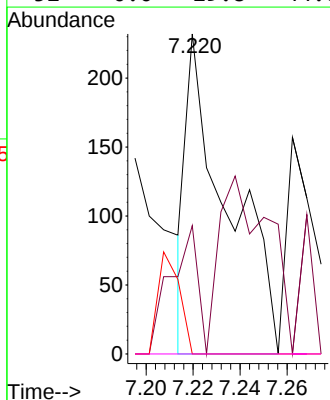
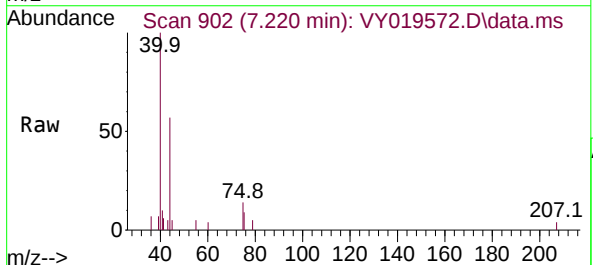


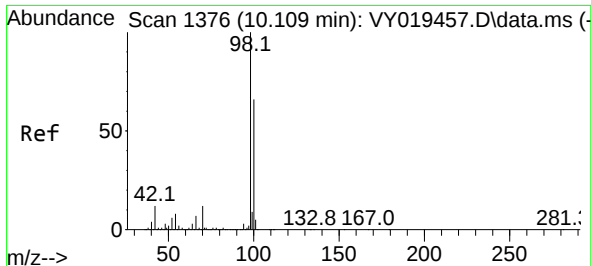
Tgt Ion: 117 Resp: 7082
Ion Ratio Lower Upper
117 100
119 6.1 75.8 113.6#
121 0.0 24.0 36.0#



#41
Methacrylonitrile
Concen: 1.077 ug/l
RT: 7.220 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY019572.D
Acq: 16 Sep 2024 17:26

Tgt Ion: 41 Resp: 281
Ion Ratio Lower Upper
41 100
39 26.7 48.0 72.0#
67 16.7 75.1 112.7#
52 0.0 29.8 44.6#

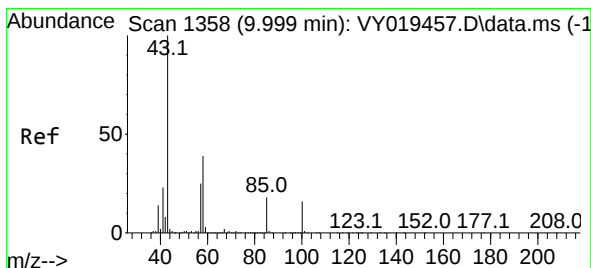
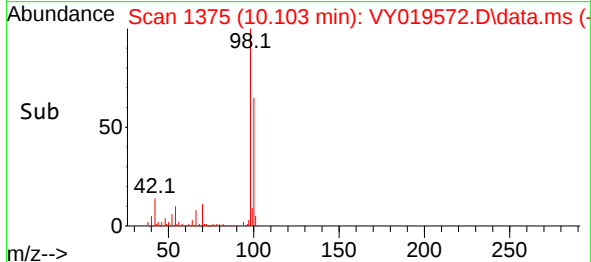
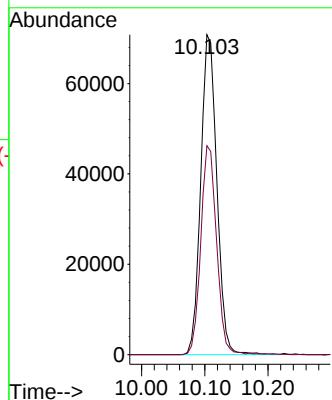
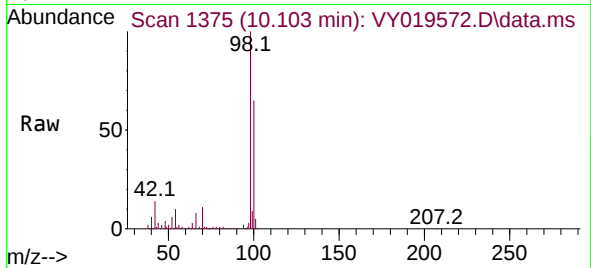




#50
Toluene-d8
Concen: 52.941 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019572.D
Acq: 16 Sep 2024 17:26

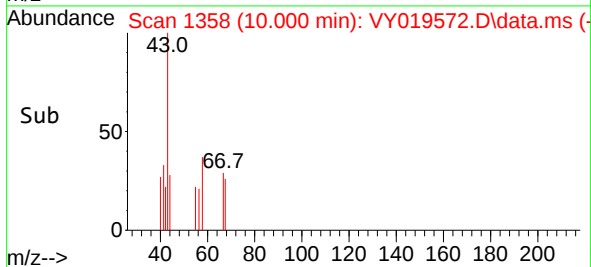
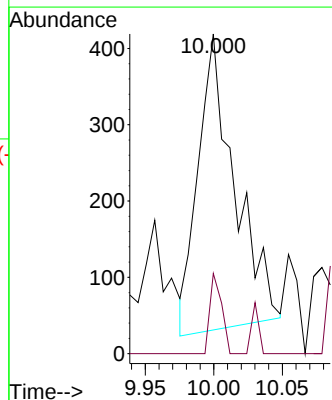
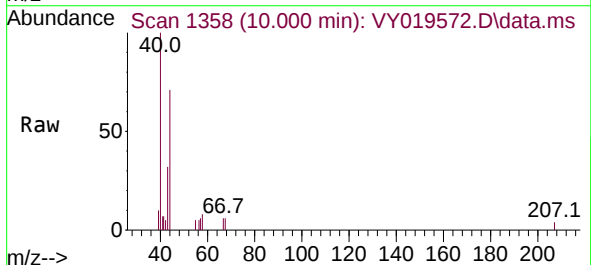
Instrument :
MSVOA_Y
ClientSampleId :

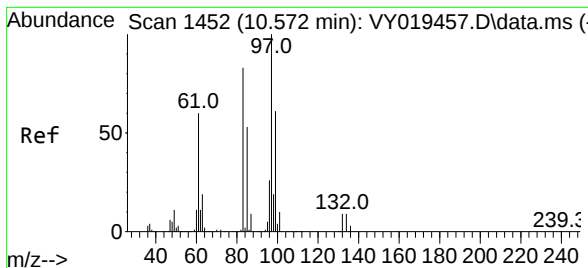
Tgt Ion: 98 Resp: 125756
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.517 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY019572.D
Acq: 16 Sep 2024 17:26

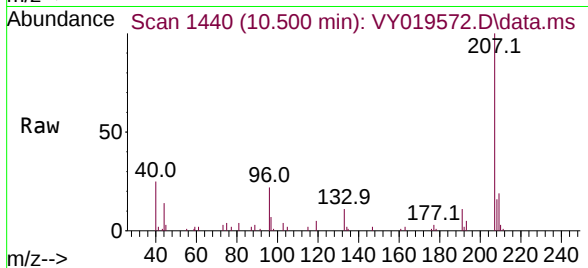
Tgt Ion: 43 Resp: 718
Ion Ratio Lower Upper
43 100
58 8.8 35.7 53.5#



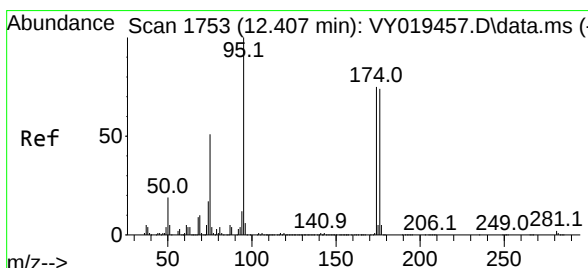
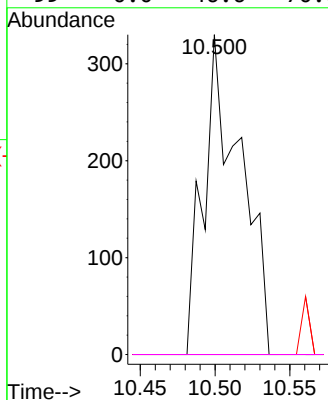
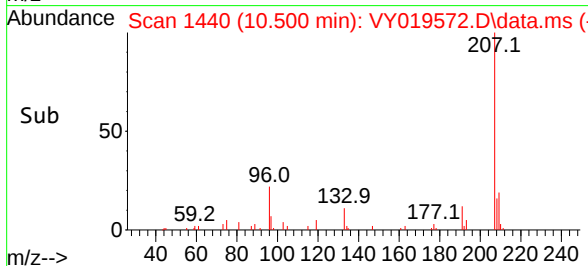


#55
 1,1,2-Trichloroethane
 Concen: 1.143 ug/l
 RT: 10.500 min Scan# 1452
 Delta R.T. -0.073 min
 Lab File: VY019572.D
 Acq: 16 Sep 2024 17:26

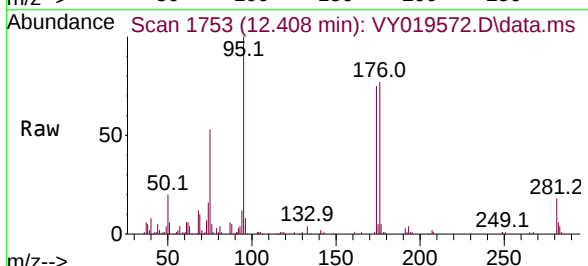
Instrument :
 MSVOA_Y
 ClientSampleId :



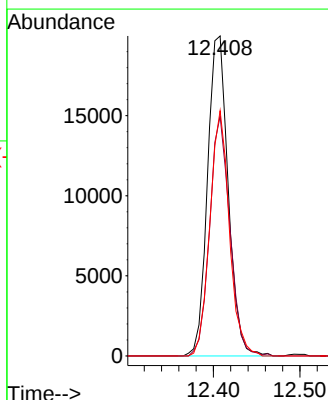
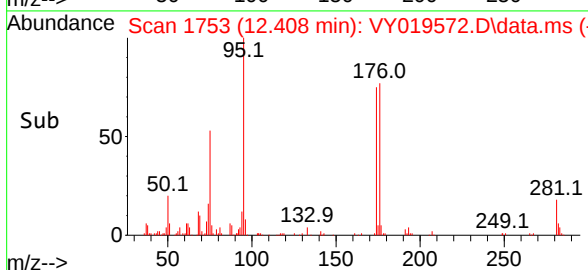
Tgt Ion: 97	Resp: 568
Ion Ratio	Lower Upper
97 100	
83 0.0	67.5 101.3#
85 0.0	42.9 64.3#
99 0.0	46.6 70.0#

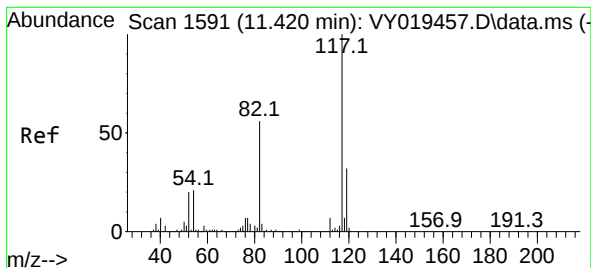


#62
 4-Bromofluorobenzene
 Concen: 36.255 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.000 min
 Lab File: VY019572.D
 Acq: 16 Sep 2024 17:26



Tgt Ion: 95	Resp: 33114
Ion Ratio	Lower Upper
95 100	
174 73.2	0.0 175.6
176 72.4	0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019572.D

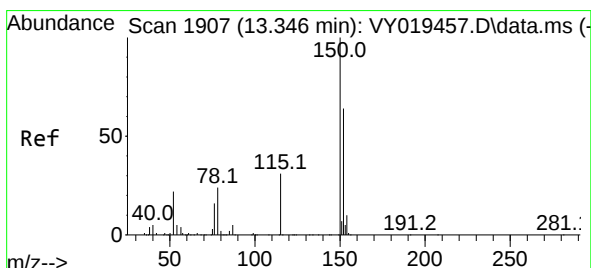
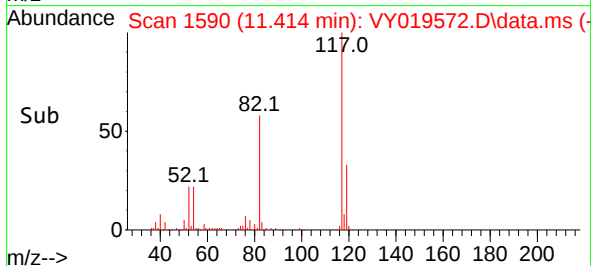
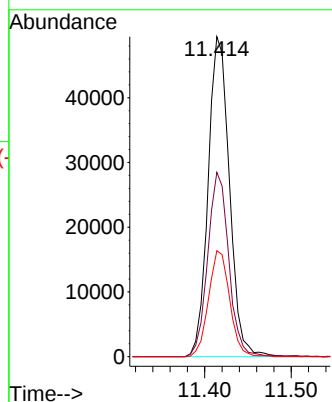
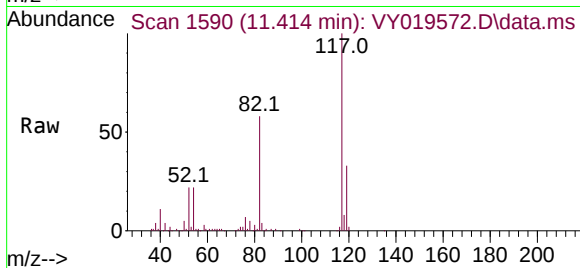
Acq: 16 Sep 2024 17:26

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117	Resp:	84449
Ion	Ratio	Lower Upper
117	100	
82	57.6	42.4 63.6
119	33.1	25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

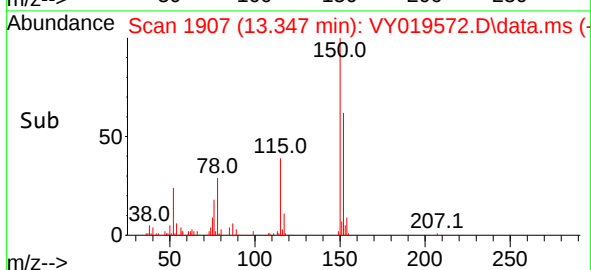
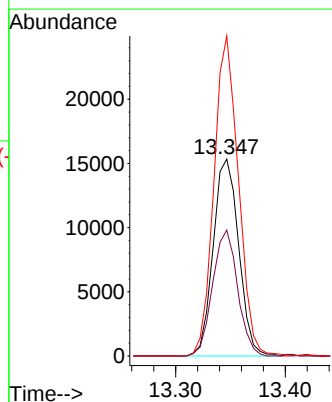
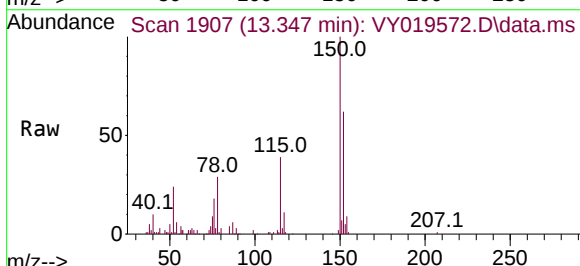
RT: 13.347 min Scan# 1907

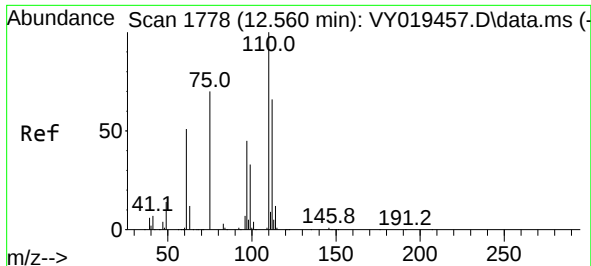
Delta R.T. 0.000 min

Lab File: VY019572.D

Acq: 16 Sep 2024 17:26

Tgt Ion:152	Resp:	24741
Ion	Ratio	Lower Upper
152	100	
115	62.7	28.2 84.7
150	156.3	0.0 345.6

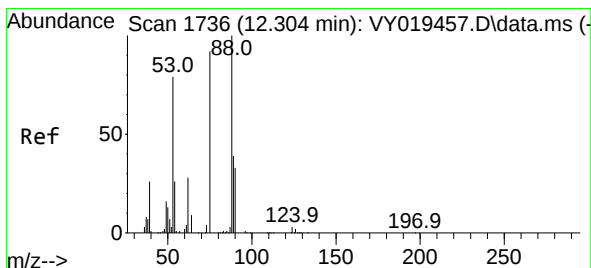
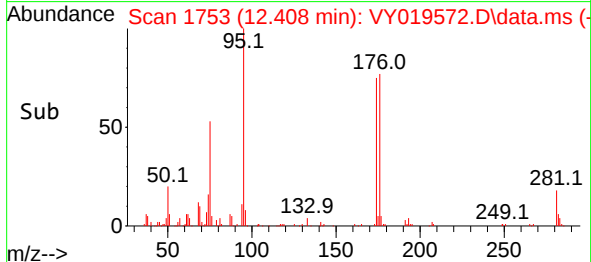
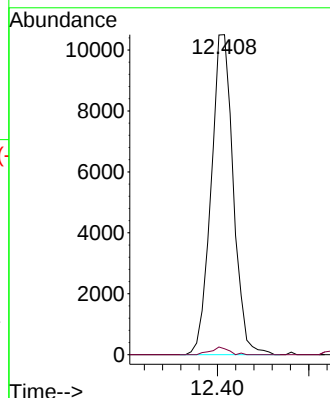
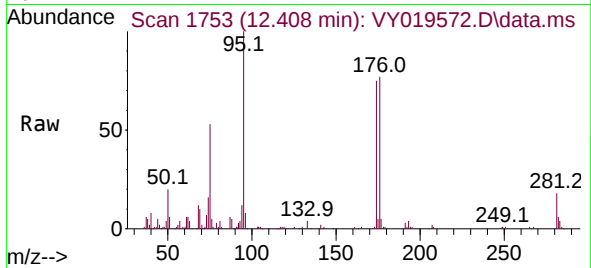




#76
1,2,3-Trichloropropane
Concen: 76.254 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY019572.D
Acq: 16 Sep 2024 17:26

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 17683
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 146.386 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY019572.D
Acq: 16 Sep 2024 17:26

Tgt Ion: 75 Resp: 17683
Ion Ratio Lower Upper
75 100
53 0.1 66.8 100.2#
89 0.2 35.8 53.6#

