

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092424\
 Data File : VY019677.D
 Acq On : 24 Sep 2024 13:11
 Operator : SY/MD
 Sample : P4149-14
 Misc : 4.58g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 25 01:24:15 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)

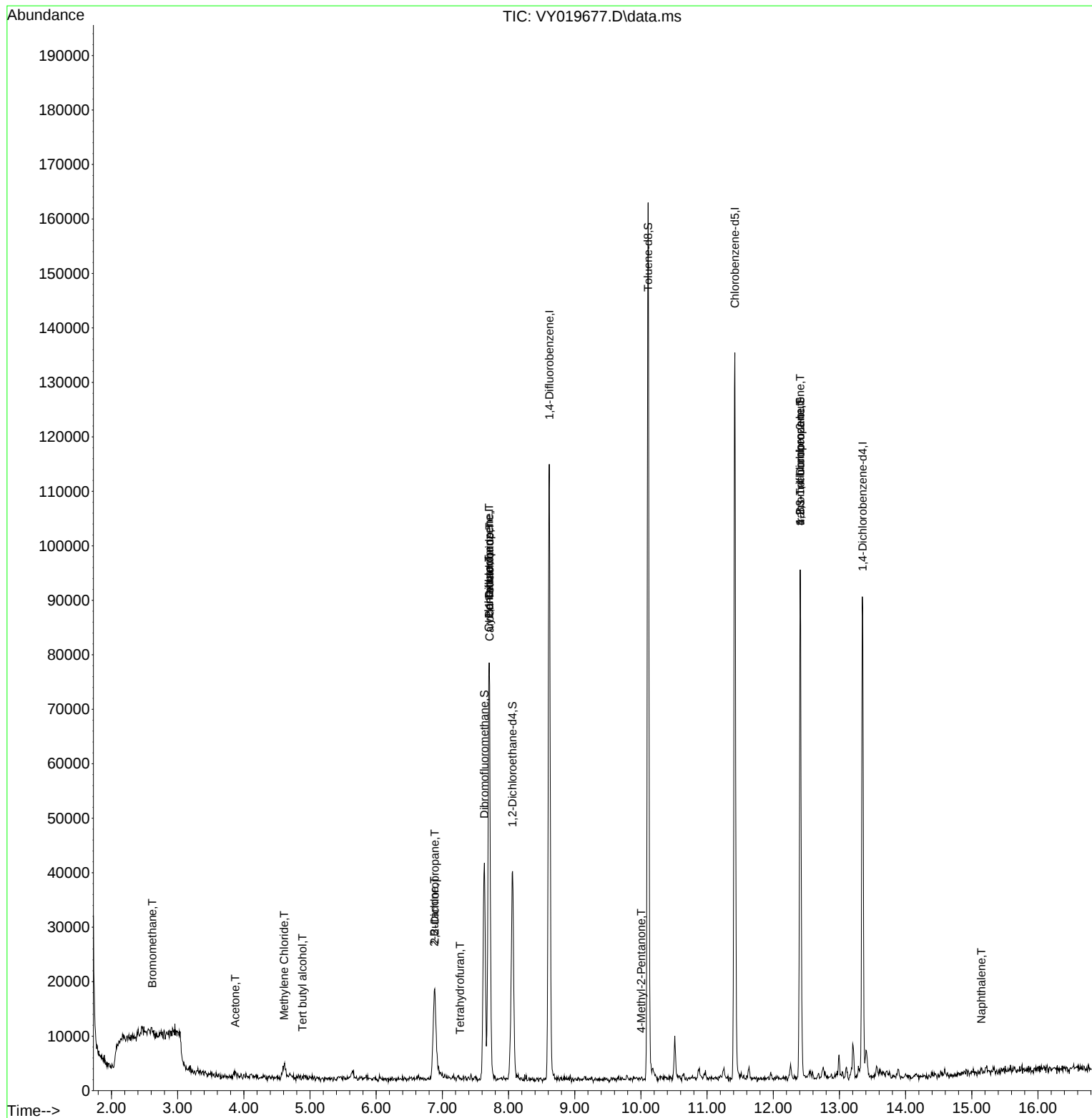
Internal Standards						
1) Pentafluorobenzene	7.707	168	57612	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	98371	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	72147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	22313	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	27108	50.814	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.620%	
35) Dibromofluoromethane	7.634	113	28878	51.776	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.560%	
50) Toluene-d8	10.109	98	105604	51.190	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.380%	
62) 4-Bromofluorobenzene	12.408	95	28209	35.562	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 71.120%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.617	94	624	1.971	ug/l #	58
11) Tert butyl alcohol	4.885	59	83	1.927	ug/l #	88
13) Acrolein	3.653	56	60	Below Cal	#	45
16) Acetone	3.873	43	1915	15.068	ug/l	91
20) Methylene Chloride	4.610	84	1636	2.823	ug/l #	82
25) 2-Butanone	6.878	43	1403	7.762	ug/l #	41
26) 2,2-Dichloropropane	6.884	77	1314	1.379	ug/l #	51
29) Tetrahydrofuran	7.268	42	111	1.010	ug/l #	26
31) Cyclohexane	7.701	56	1519	1.591	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	5257	6.927	ug/l #	45
38) Carbon Tetrachloride	7.713	117	6212	7.258	ug/l #	15
51) 4-Methyl-2-Pentanone	10.006	43	471	1.146	ug/l #	47
76) 1,2,3-Trichloropropane	12.408	75	14951	71.489	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	14951	137.238	ug/l #	16
95) Naphthalene	15.145	128	1090	1.438	ug/l #	80

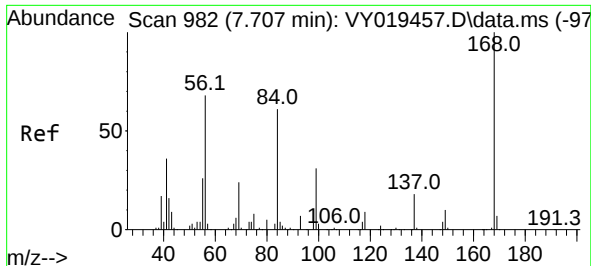
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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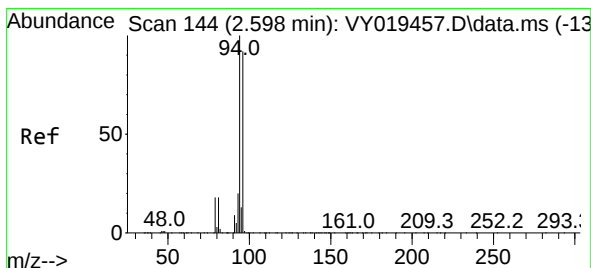
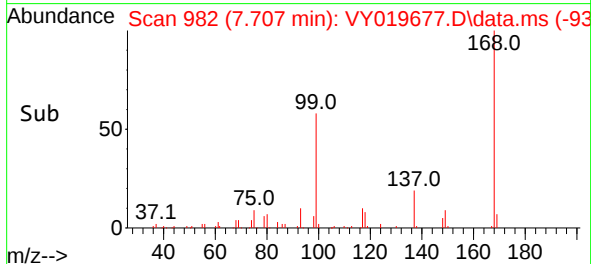
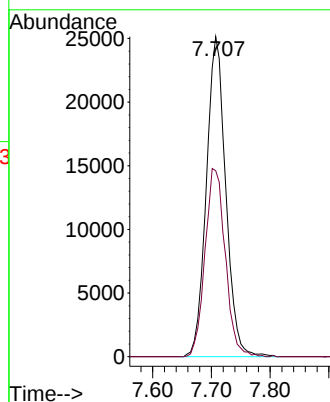
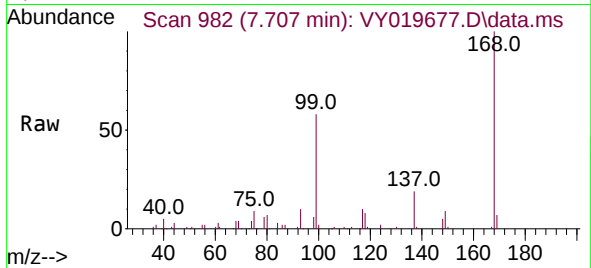




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019677.D
Acq: 24 Sep 2024 13:11

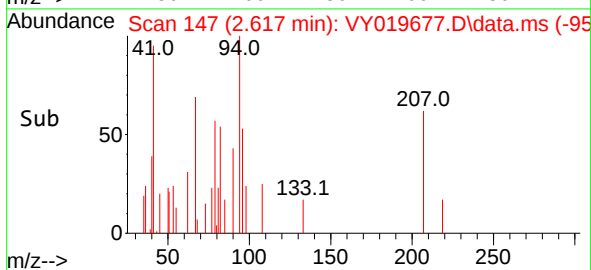
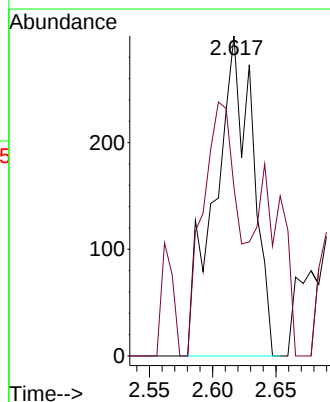
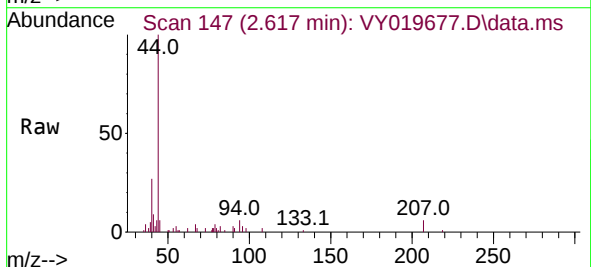
Instrument :
MSVOA_Y
ClientSampleId :

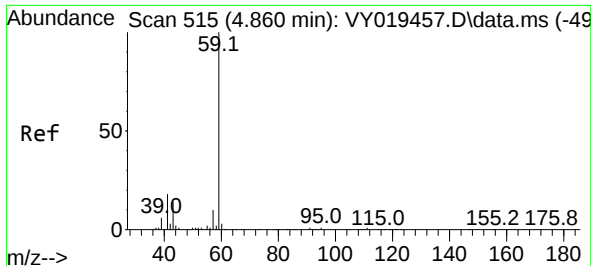
Tgt Ion:168 Resp: 57612
Ion Ratio Lower Upper
168 100
99 58.1 39.1 58.7



#5
Bromomethane
Concen: 1.971 ug/l
RT: 2.617 min Scan# 147
Delta R.T. 0.019 min
Lab File: VY019677.D
Acq: 24 Sep 2024 13:11

Tgt Ion: 94 Resp: 624
Ion Ratio Lower Upper
94 100
96 52.7 74.1 111.1#





#11

Tert butyl alcohol

Concen: 1.927 ug/l

RT: 4.885 min Scan# 51

Delta R.T. 0.025 min

Lab File: VY019677.D

Acq: 24 Sep 2024 13:11

Instrument :

MSVOA_Y

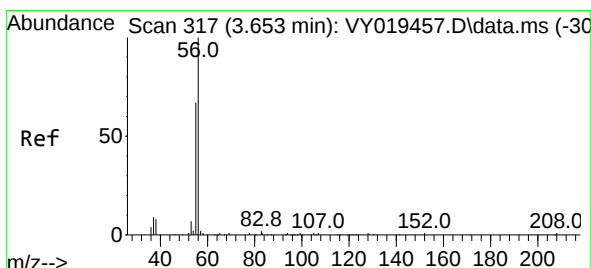
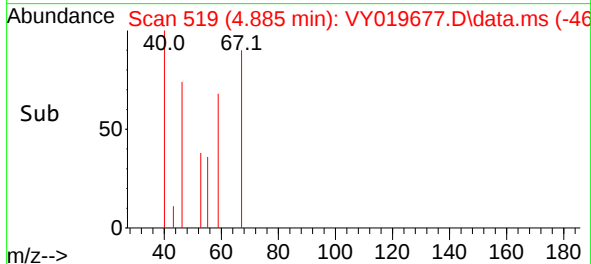
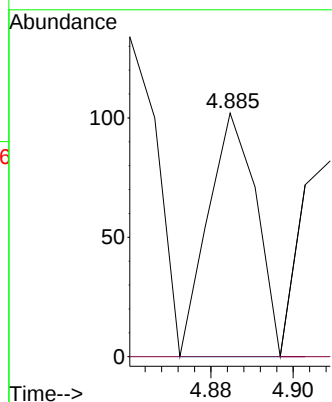
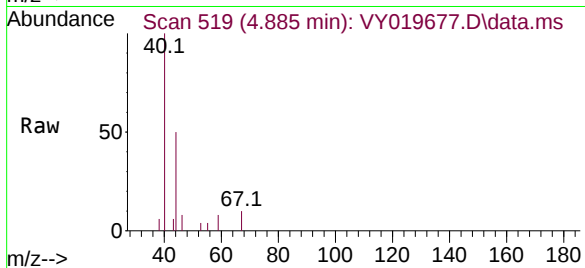
ClientSampleId :

Tgt Ion: 59 Resp: 83

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY019677.D

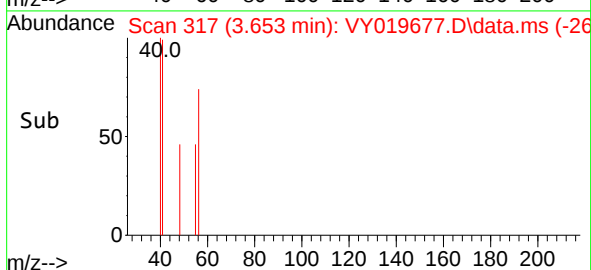
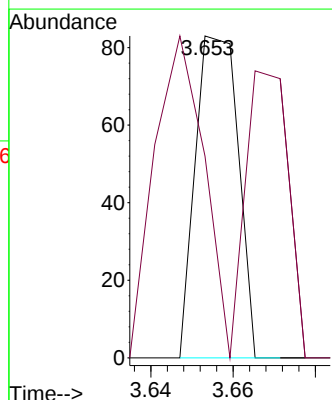
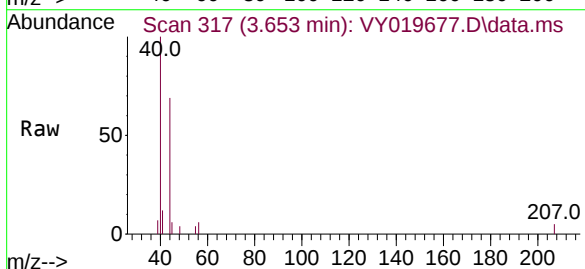
Acq: 24 Sep 2024 13:11

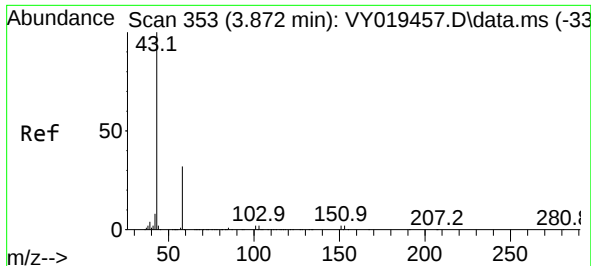
Tgt Ion: 56 Resp: 60

Ion Ratio Lower Upper

56 100

55 115.0 55.7 83.5#

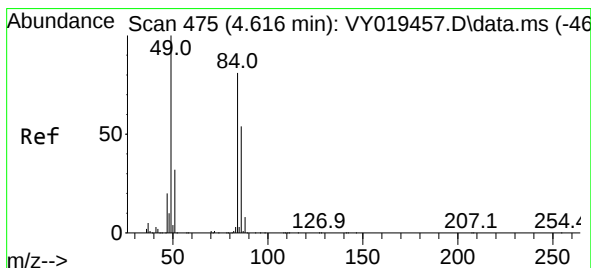
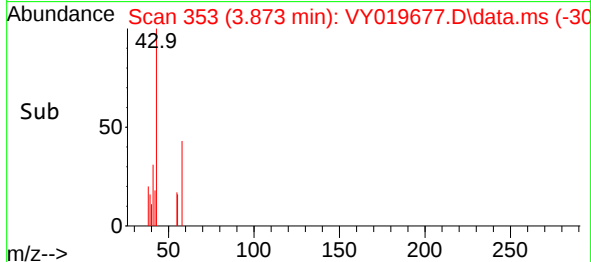
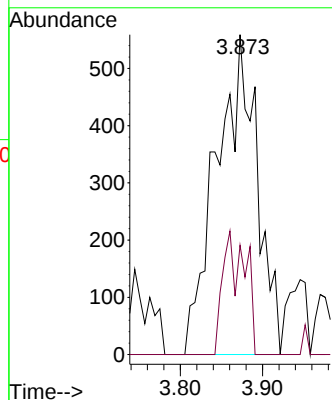
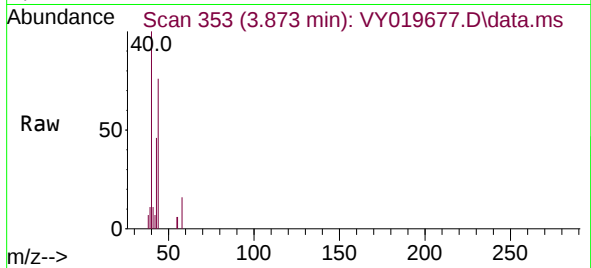




#16
Acetone
Concen: 15.068 ug/l
RT: 3.873 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY019677.D
Acq: 24 Sep 2024 13:11

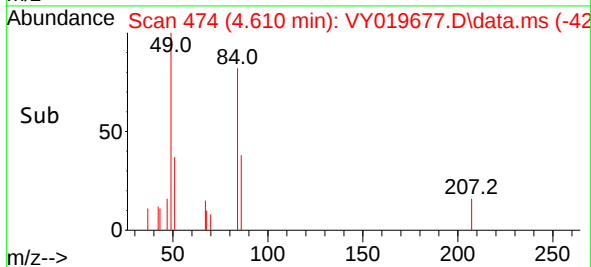
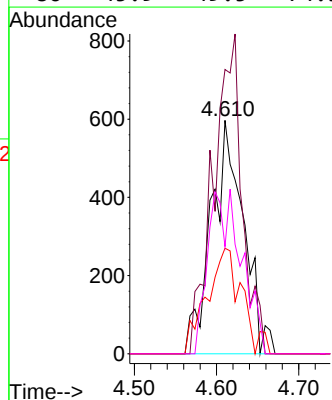
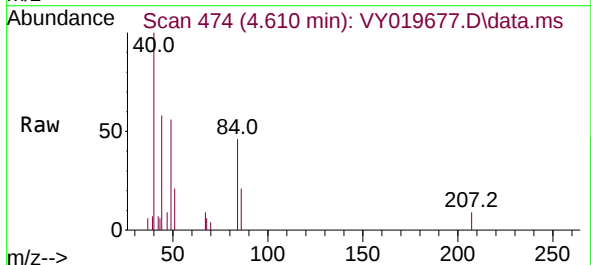
Instrument :
MSVOA_Y
ClientSampleId :

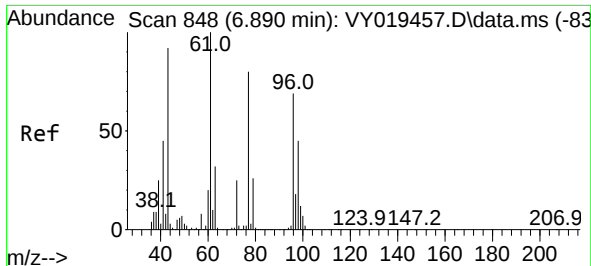
Tgt Ion: 43 Resp: 1915
Ion Ratio Lower Upper
43 100
58 34.2 31.7 47.5



#20
Methylene Chloride
Concen: 2.823 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY019677.D
Acq: 24 Sep 2024 13:11

Tgt Ion: 84 Resp: 1636
Ion Ratio Lower Upper
84 100
49 121.8 84.4 126.6
51 45.2 26.0 39.0#
86 45.9 49.5 74.3#





#25

2-Butanone

Concen: 7.762 ug/l

RT: 6.878 min Scan# 846

Delta R.T. -0.012 min

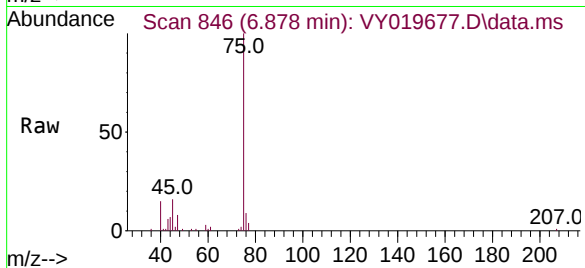
Lab File: VY019677.D

Acq: 24 Sep 2024 13:11

Instrument :

MSVOA_Y

ClientSampleId :

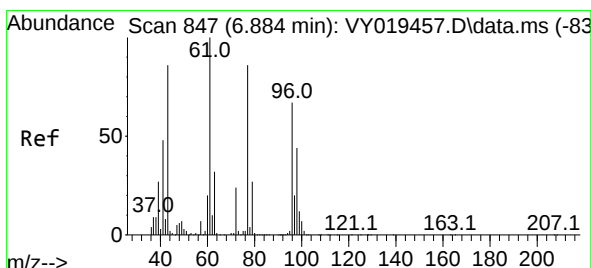
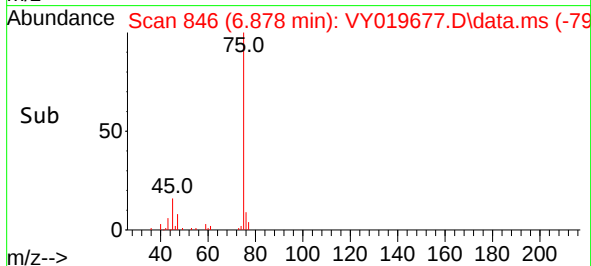
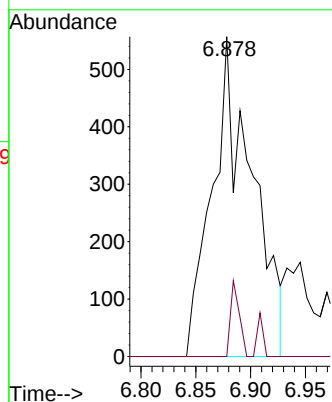


Tgt Ion: 43 Resp: 1403

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#26

2,2-Dichloropropane

Concen: 1.379 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY019677.D

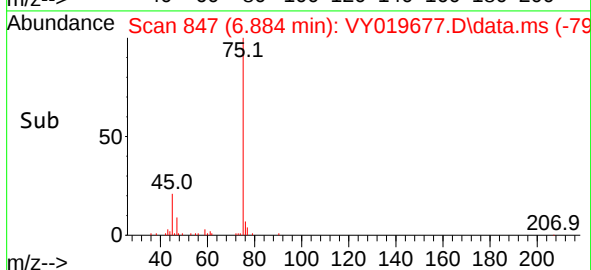
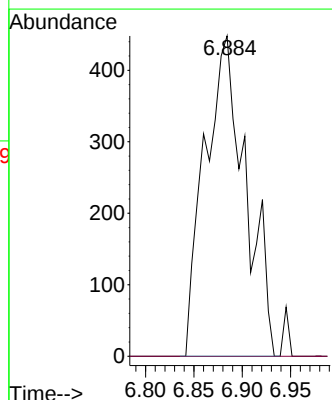
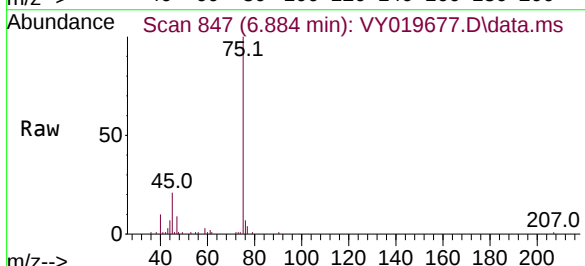
Acq: 24 Sep 2024 13:11

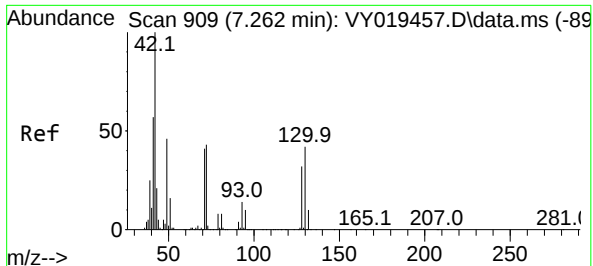
Tgt Ion: 77 Resp: 1314

Ion Ratio Lower Upper

77 100

97 0.0 12.0 36.1#





#29

Tetrahydrofuran

Concen: 1.010 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

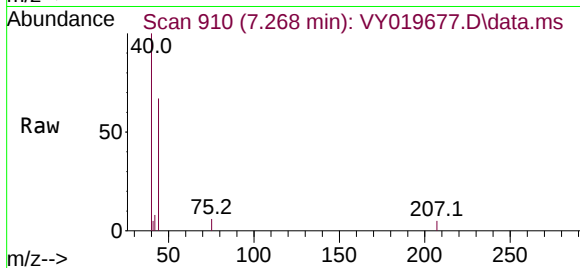
Lab File: VY019677.D

Acq: 24 Sep 2024 13:11

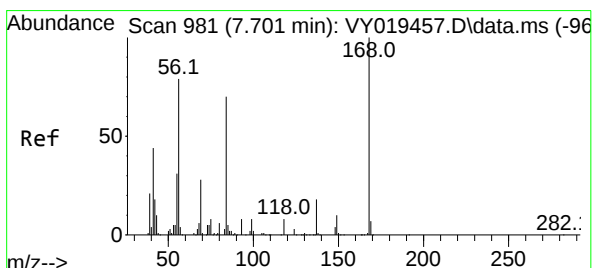
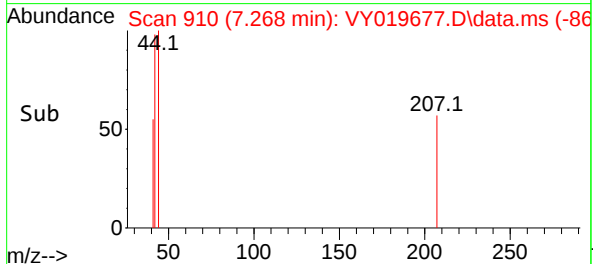
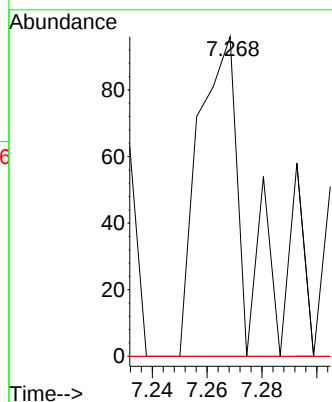
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	111
Ion Ratio	100	Lower	Upper
42	100		
72	0.0	43.0	64.4#
71	0.0	40.8	61.2#



#31

Cyclohexane

Concen: 1.591 ug/l

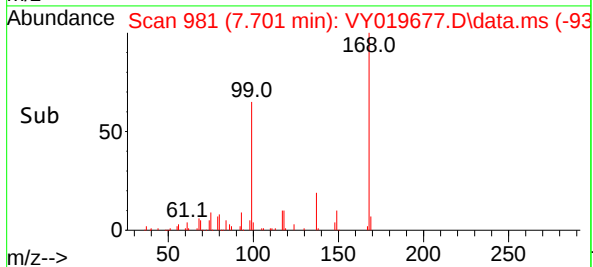
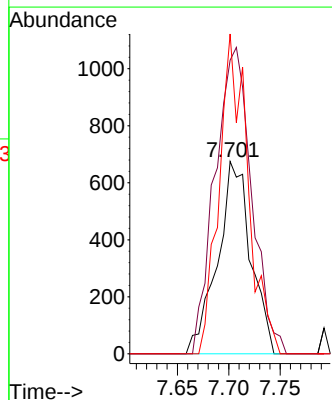
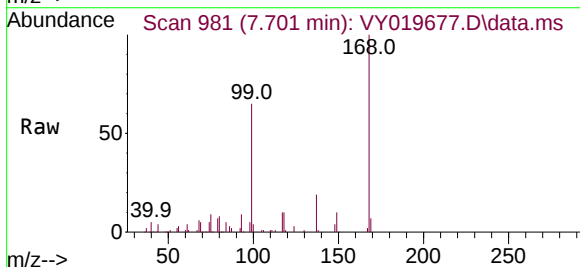
RT: 7.701 min Scan# 981

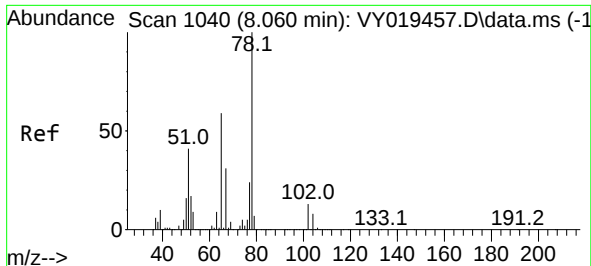
Delta R.T. 0.000 min

Lab File: VY019677.D

Acq: 24 Sep 2024 13:11

Tgt Ion:	56	Resp:	1519
Ion Ratio	100	Lower	Upper
56	100		
69	152.6	28.7	43.1#
84	166.2	77.7	116.5#





#33

1,2-Dichloroethane-d4

Concen: 50.814 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY019677.D

Acq: 24 Sep 2024 13:11

Instrument :

MSVOA_Y

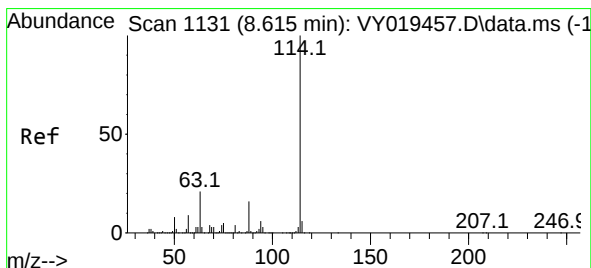
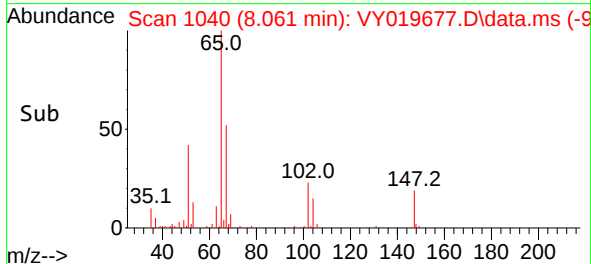
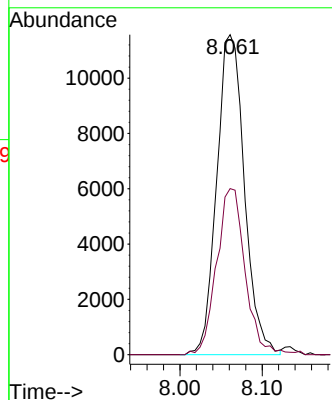
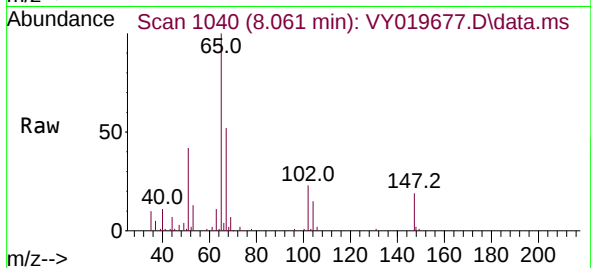
ClientSampleId :

Tgt Ion: 65 Resp: 27108

Ion Ratio Lower Upper

65 100

67 53.6 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: VY019677.D

Acq: 24 Sep 2024 13:11

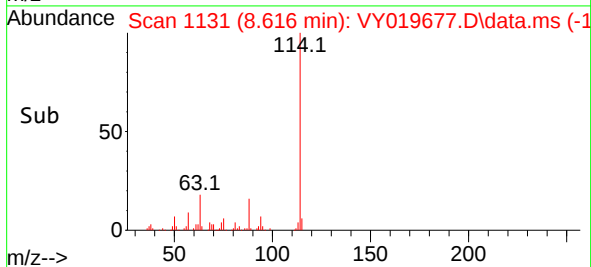
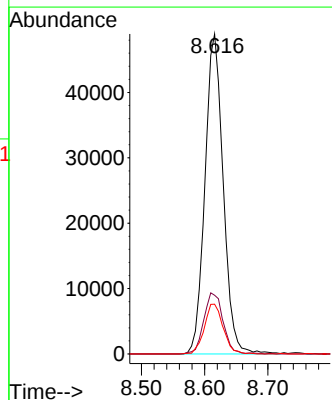
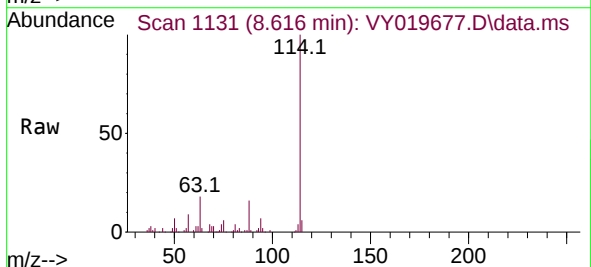
Tgt Ion: 114 Resp: 98371

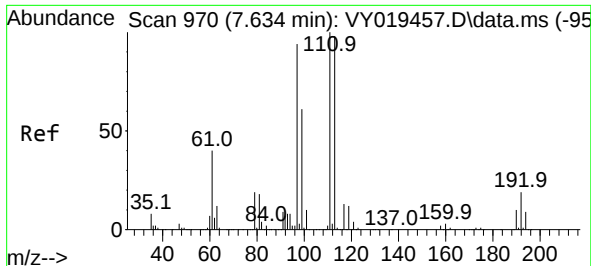
Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.0

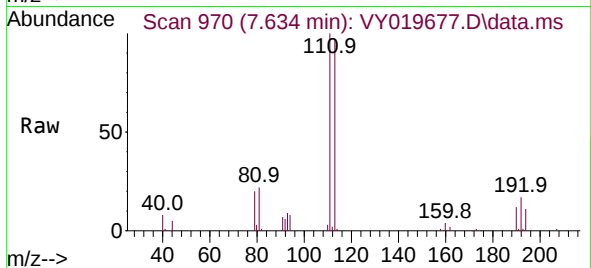
88 15.6 0.0 27.2



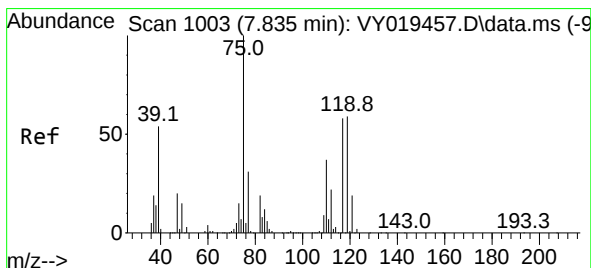
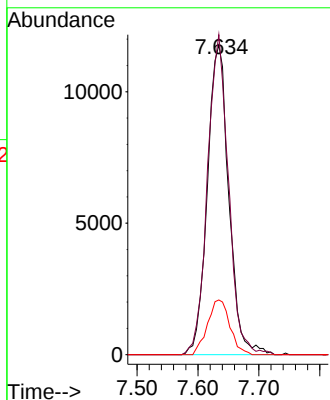
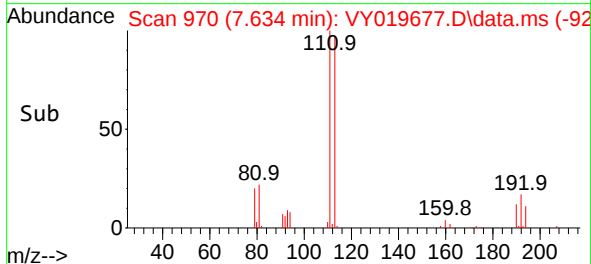


#35
 Dibromofluoromethane
 Concen: 51.776 ug/l
 RT: 7.634 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VY019677.D
 Acq: 24 Sep 2024 13:11

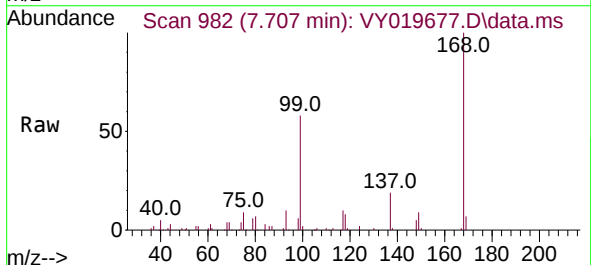
Instrument :
 MSVOA_Y
 ClientSampleId :



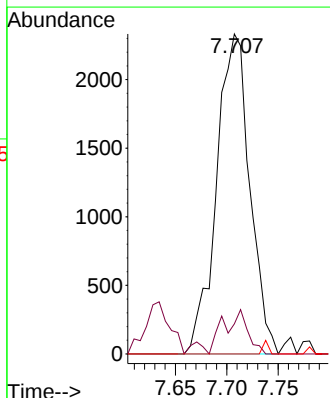
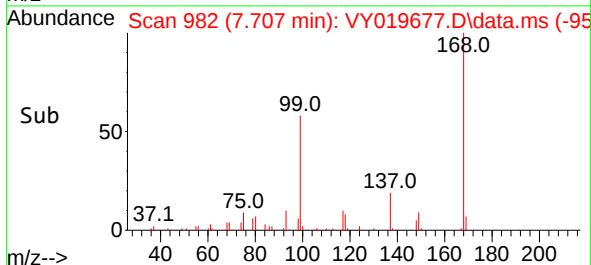
Tgt Ion:113 Resp: 28878
 Ion Ratio Lower Upper
 113 100
 111 101.0 82.2 123.4
 192 18.3 15.9 23.9

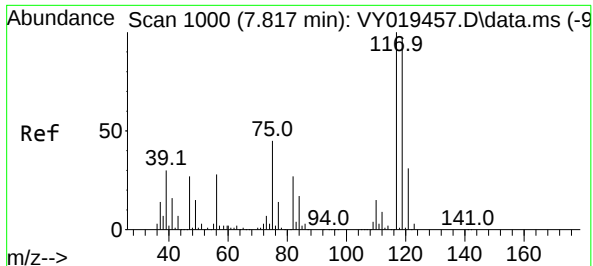


#36
 1,1-Dichloropropene
 Concen: 6.927 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.128 min
 Lab File: VY019677.D
 Acq: 24 Sep 2024 13:11



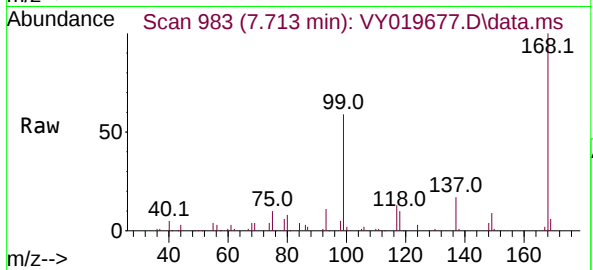
Tgt Ion: 75 Resp: 5257
 Ion Ratio Lower Upper
 75 100
 110 5.9 19.0 57.0#
 77 0.0 25.3 37.9#



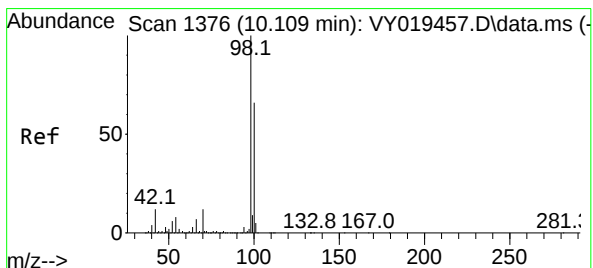
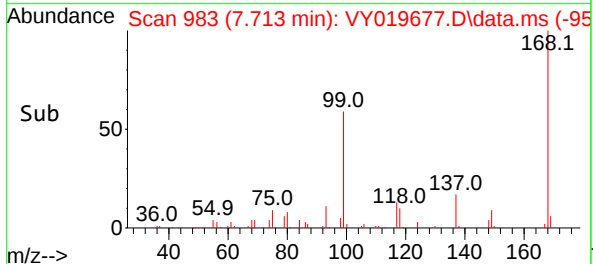
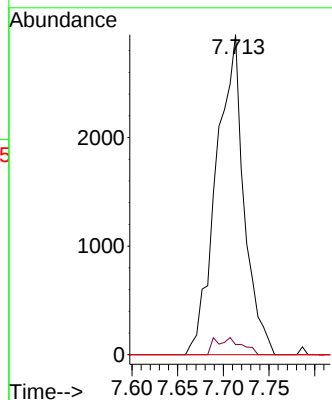


#38
Carbon Tetrachloride
Concen: 7.258 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY019677.D
Acq: 24 Sep 2024 13:11

Instrument :
MSVOA_Y
ClientSampleId :

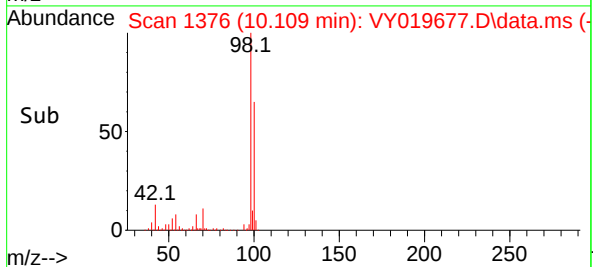
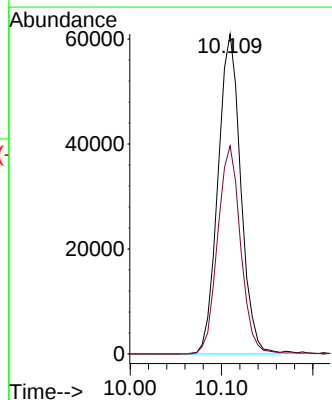
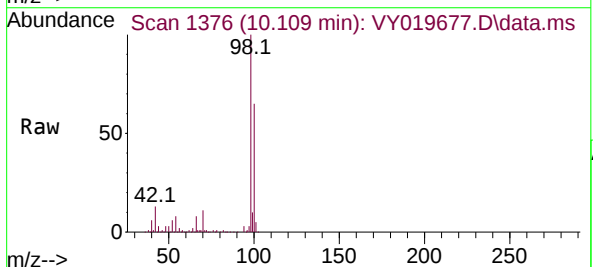


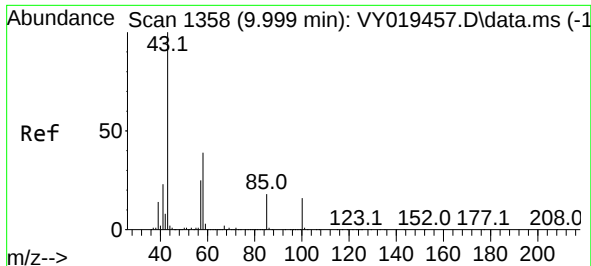
Tgt Ion:117 Resp: 6212
Ion Ratio Lower Upper
117 100
119 3.2 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 51.190 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY019677.D
Acq: 24 Sep 2024 13:11

Tgt Ion: 98 Resp: 105604
Ion Ratio Lower Upper
98 100
100 65.7 52.0 78.0

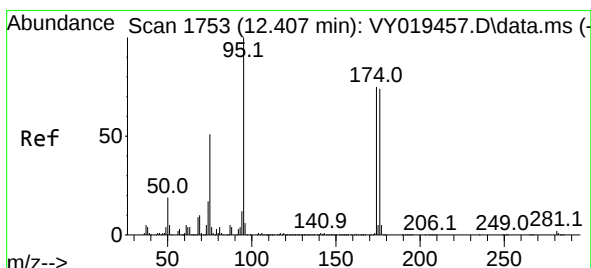
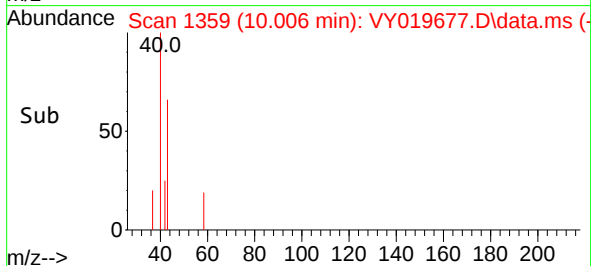
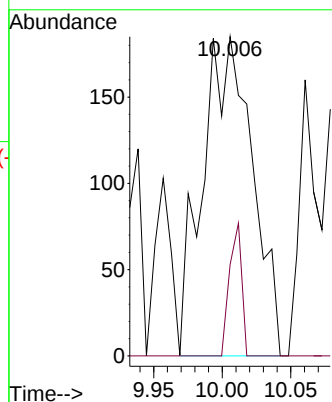
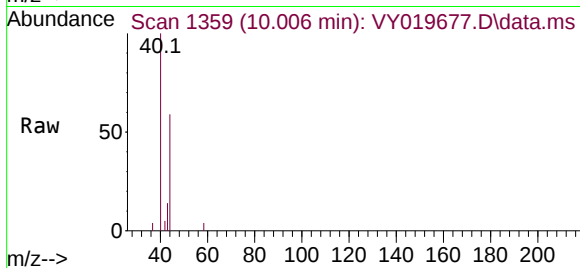




#51
4-Methyl-2-Pentanone
Concen: 1.146 ug/l
RT: 10.006 min Scan# 1359
Delta R.T. 0.006 min
Lab File: VY019677.D
Acq: 24 Sep 2024 13:11

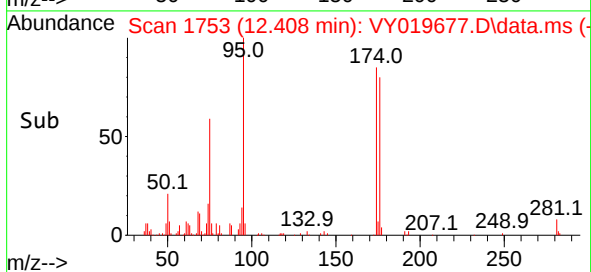
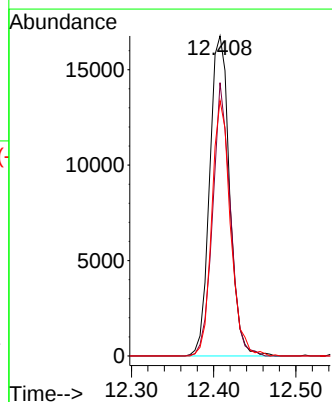
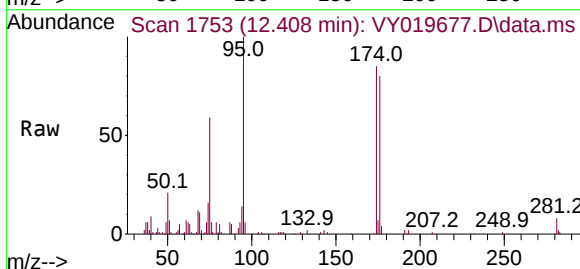
Instrument :
MSVOA_Y
ClientSampleId :

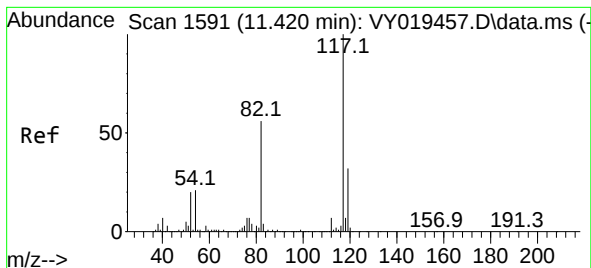
Tgt Ion: 43 Resp: 471
Ion Ratio Lower Upper
43 100
58 10.2 35.7 53.5#



#62
4-Bromofluorobenzene
Concen: 35.562 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019677.D
Acq: 24 Sep 2024 13:11

Tgt Ion: 95 Resp: 28209
Ion Ratio Lower Upper
95 100
174 75.6 0.0 175.6
176 75.2 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019677.D

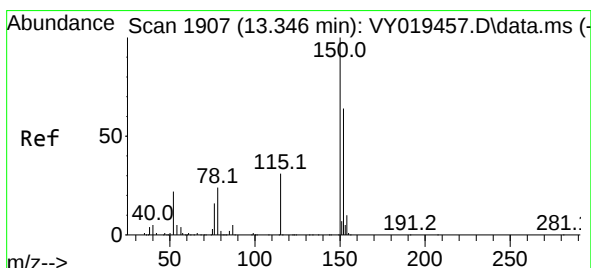
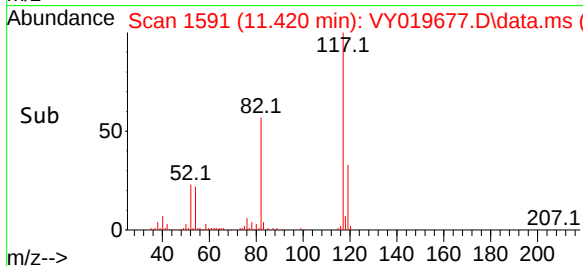
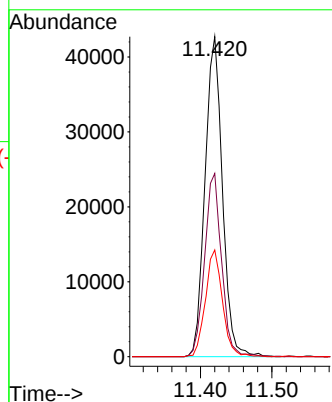
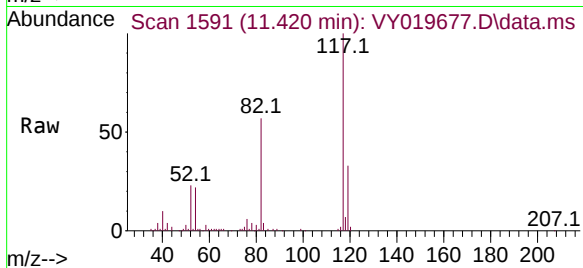
Acq: 24 Sep 2024 13:11

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117	Resp:	72147
Ion	Ratio	Lower Upper
117	100	
82	57.3	42.4 63.6
119	33.4	25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

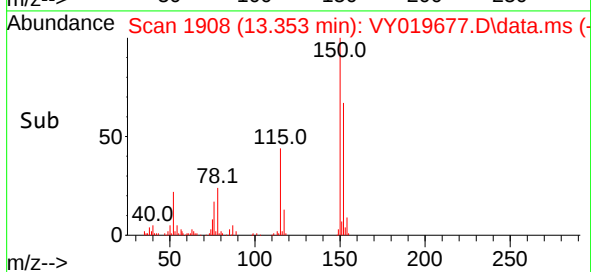
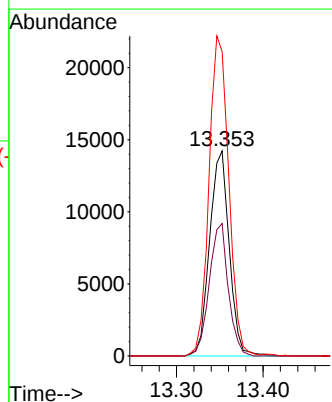
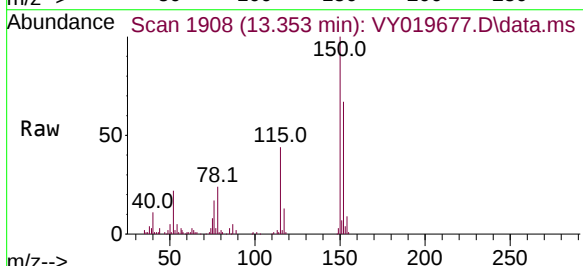
RT: 13.353 min Scan# 1908

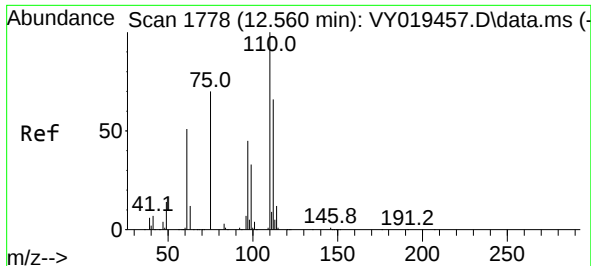
Delta R.T. 0.006 min

Lab File: VY019677.D

Acq: 24 Sep 2024 13:11

Tgt Ion:152	Resp:	22313
Ion	Ratio	Lower Upper
152	100	
115	63.0	28.2 84.7
150	157.1	0.0 345.6

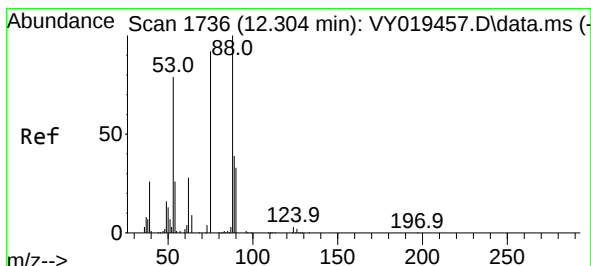
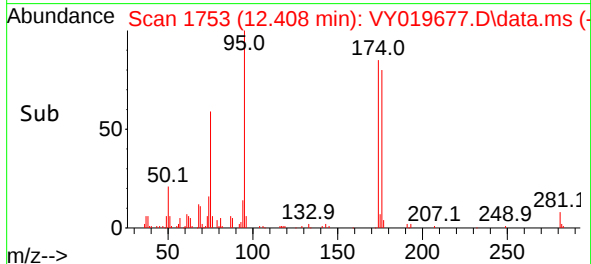
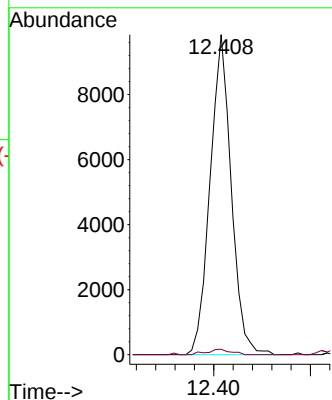
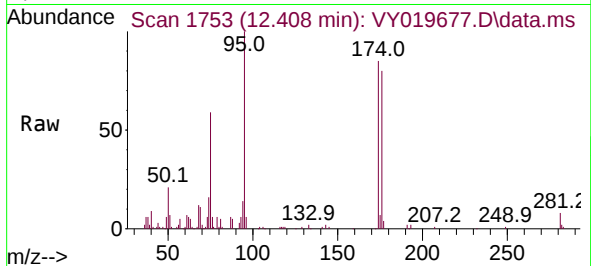




#76
1,2,3-Trichloropropane
Concen: 71.489 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY019677.D
Acq: 24 Sep 2024 13:11

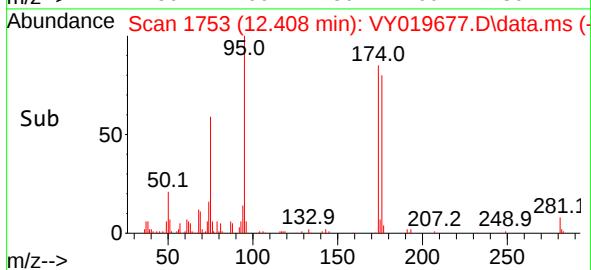
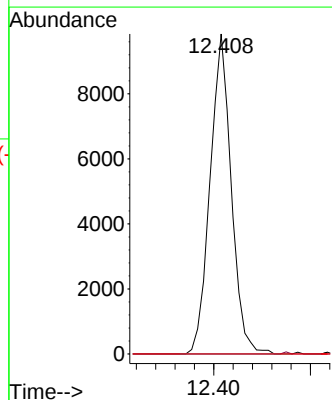
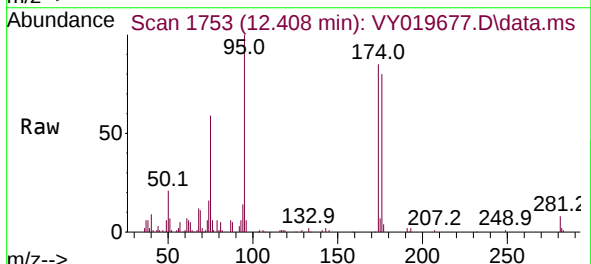
Instrument :
MSVOA_Y
ClientSampleId :

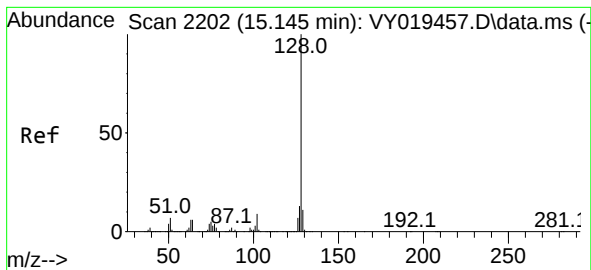
Tgt Ion: 75 Resp: 14951
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 137.238 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY019677.D
Acq: 24 Sep 2024 13:11

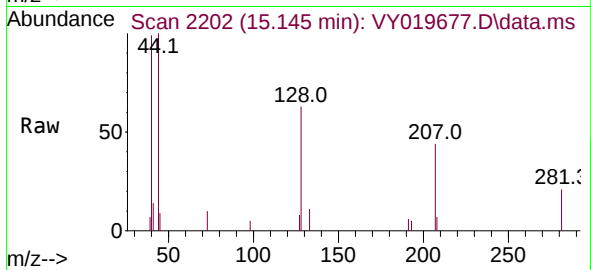
Tgt Ion: 75 Resp: 14951
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#





#95
 Naphthalene
 Concen: 1.438 ug/l
 RT: 15.145 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY019677.D
 Acq: 24 Sep 2024 13:11

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	8.3	10.6	16.0#
129	0.0	8.6	13.0#

