

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092424\
 Data File : VY019682.D
 Acq On : 24 Sep 2024 15:08
 Operator : SY/MD
 Sample : P4146-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 25 01:26:28 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)

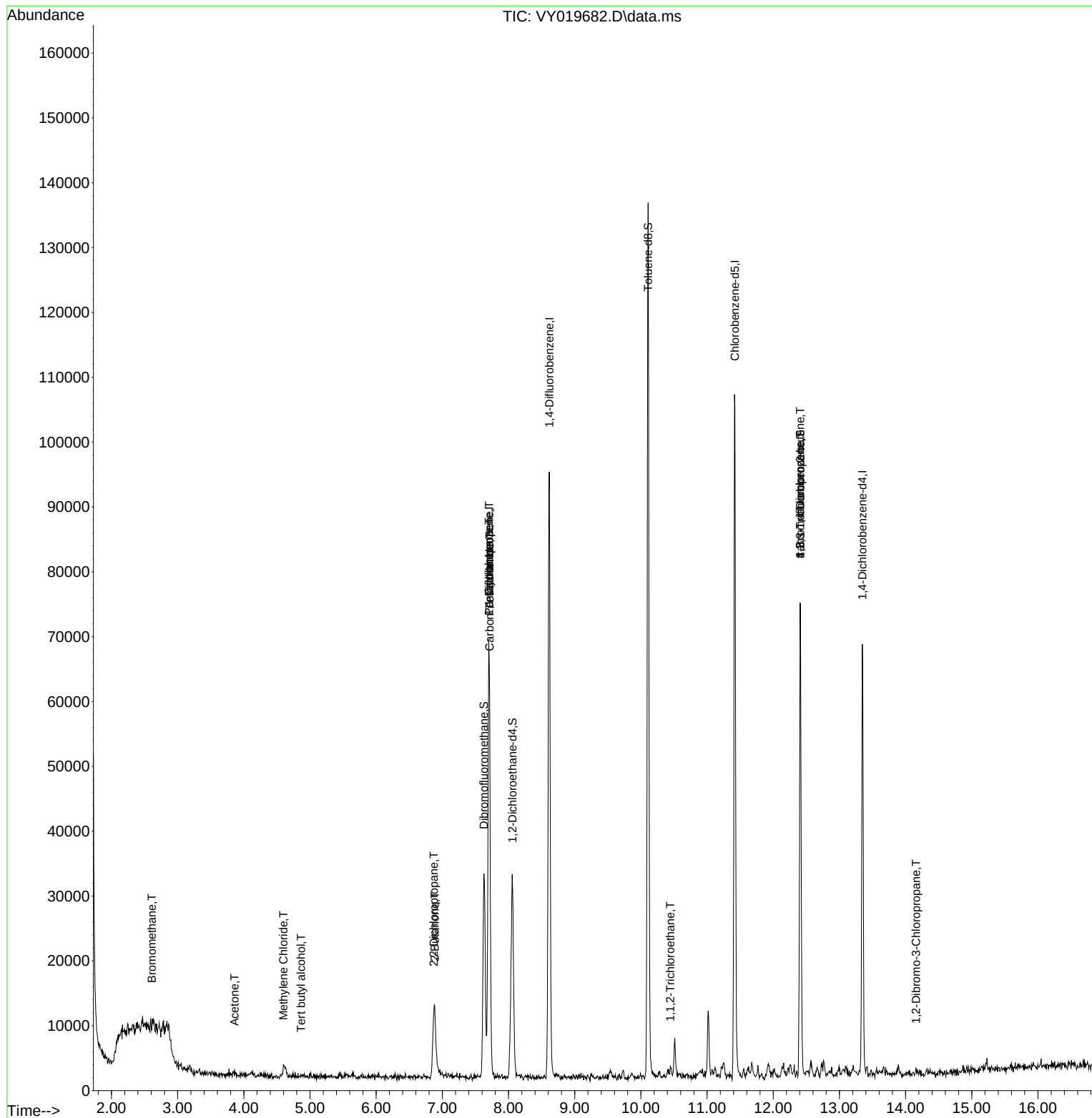
Internal Standards						
1) Pentafluorobenzene	7.707	168	50336	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	82169	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	56948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	15308	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	22164	47.552	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.100%
35) Dibromofluoromethane	7.628	113	22621	48.555	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.120%
50) Toluene-d8	10.109	98	88894	51.587	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.180%
62) 4-Bromofluorobenzene	12.408	95	21809	32.915	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	65.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.117	85	26	Below Cal	#	43
5) Bromomethane	2.610	94	583	2.108	ug/l	84
11) Tert butyl alcohol	4.866	59	153	4.065	ug/l #	88
13) Acrolein	3.647	56	31	Below Cal	#	15
16) Acetone	3.860	43	939	8.456	ug/l #	36
20) Methylene Chloride	4.598	84	1116	2.204	ug/l #	87
25) 2-Butanone	6.884	43	721	4.565	ug/l #	41
26) 2,2-Dichloropropane	6.872	77	1069	1.284	ug/l #	51
31) Cyclohexane	7.701	56	1313	1.574	ug/l #	47
36) 1,1-Dichloropropene	7.707	75	4856	7.660	ug/l #	48
38) Carbon Tetrachloride	7.713	117	5587	7.815	ug/l #	16
55) 1,1,2-Trichloroethane	10.444	97	598	1.659	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	11721	81.691	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	11721	156.822	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.157	75	60	1.826	ug/l #	1

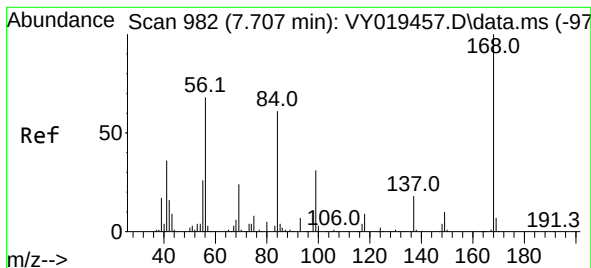
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY019682.D

Acq: 24 Sep 2024 15:08

Instrument :

MSVOA_Y

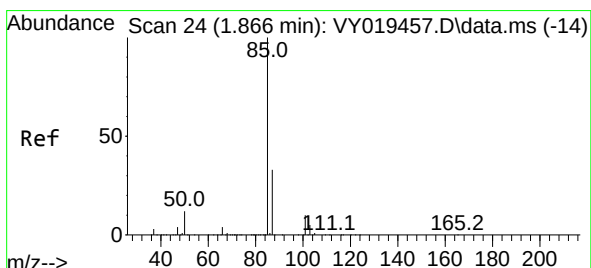
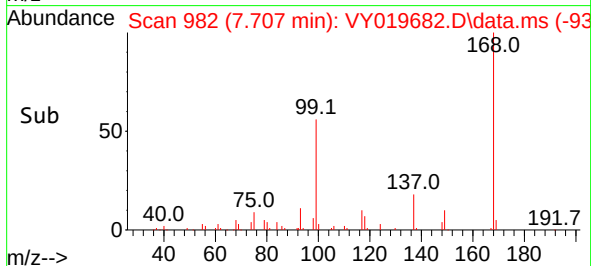
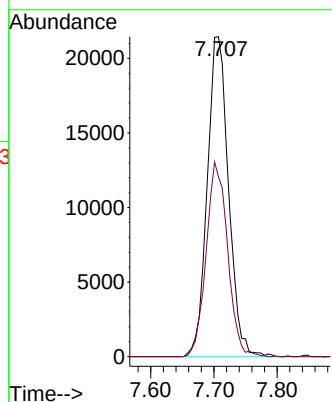
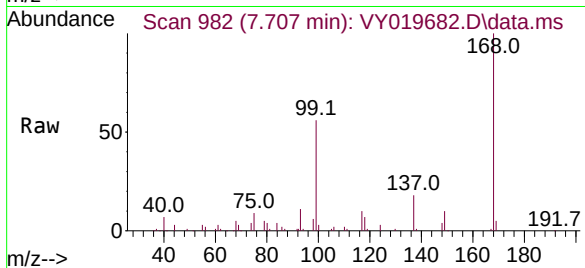
ClientSampleId :

Tgt Ion:168 Resp: 50336

Ion Ratio Lower Upper

168 100

99 56.2 39.1 58.7



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.117 min Scan# 65

Delta R.T. 0.251 min

Lab File: VY019682.D

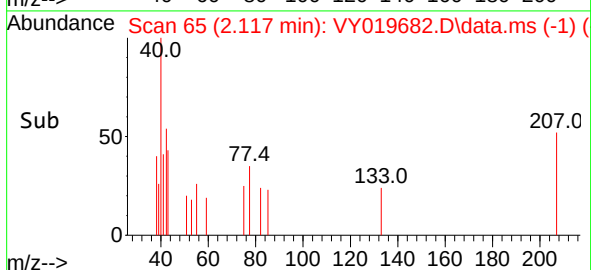
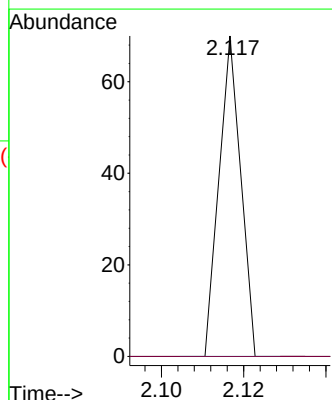
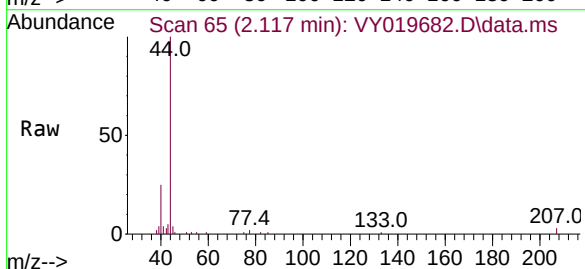
Acq: 24 Sep 2024 15:08

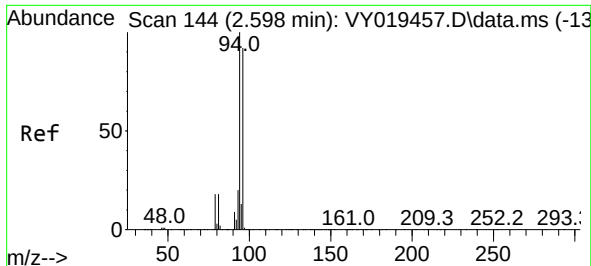
Tgt Ion: 85 Resp: 26

Ion Ratio Lower Upper

85 100

87 0.0 16.0 48.0#

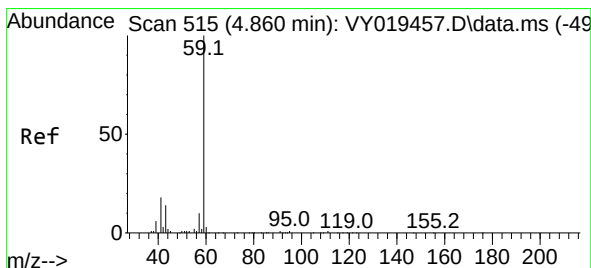
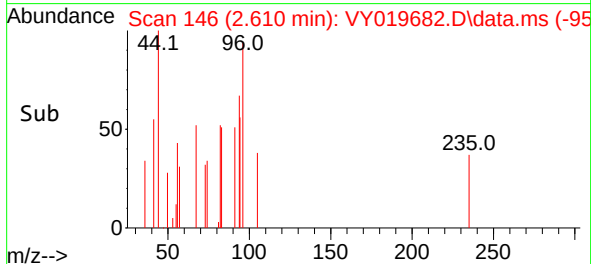
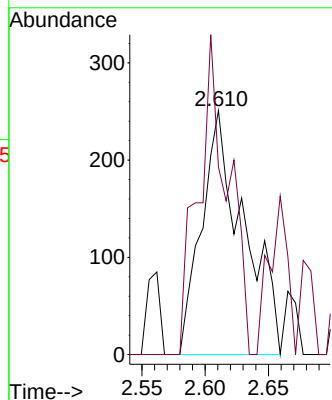
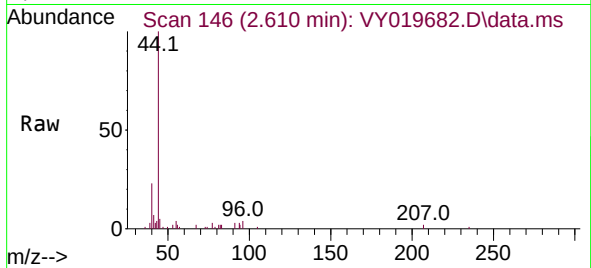




#5
Bromomethane
Concen: 2.108 ug/l
RT: 2.610 min Scan# 144
Delta R.T. 0.012 min
Lab File: VY019682.D
Acq: 24 Sep 2024 15:08

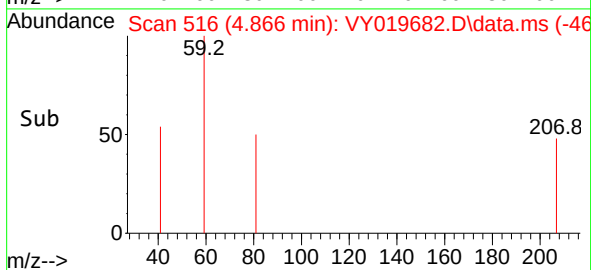
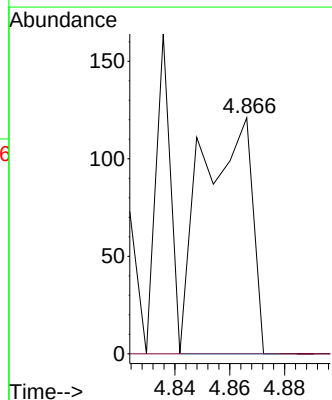
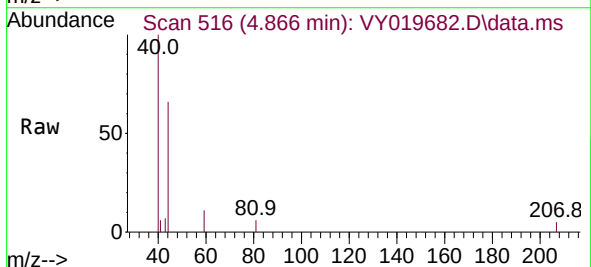
Instrument :
MSVOA_Y
ClientSampleId :

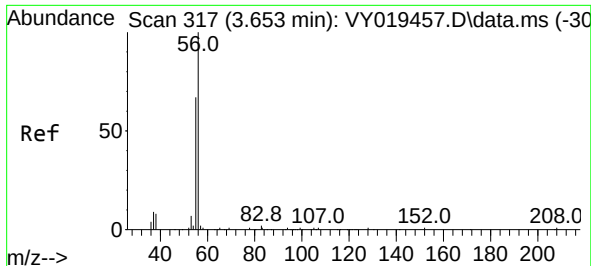
Tgt Ion: 94 Resp: 583
Ion Ratio Lower Upper
94 100
96 76.9 74.1 111.1



#11
Tert butyl alcohol
Concen: 4.065 ug/l
RT: 4.866 min Scan# 516
Delta R.T. 0.006 min
Lab File: VY019682.D
Acq: 24 Sep 2024 15:08

Tgt Ion: 59 Resp: 153
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#13

Acrolein

Concen: Below Cal

RT: 3.647 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY019682.D

Acq: 24 Sep 2024 15:08

Instrument :

MSVOA_Y

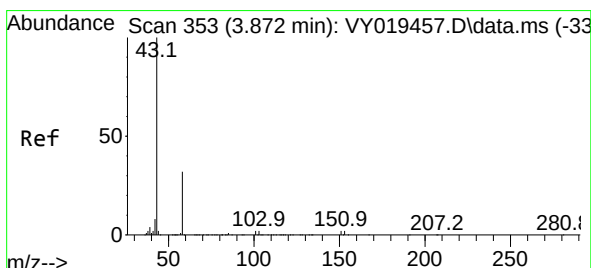
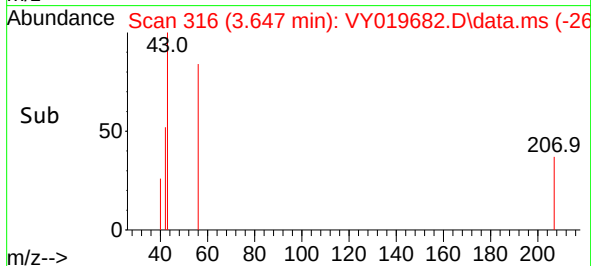
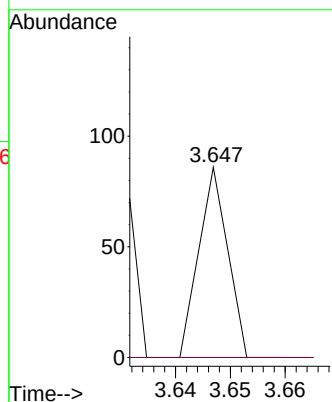
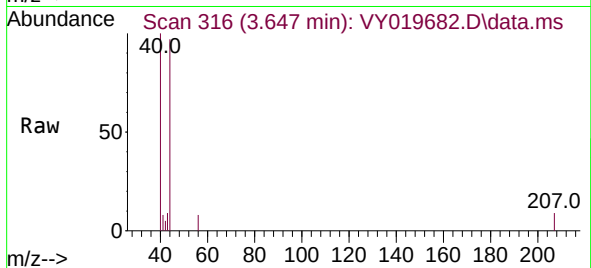
ClientSampleId :

Tgt Ion: 56 Resp: 31

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#



#16

Acetone

Concen: 8.456 ug/l

RT: 3.860 min Scan# 351

Delta R.T. -0.012 min

Lab File: VY019682.D

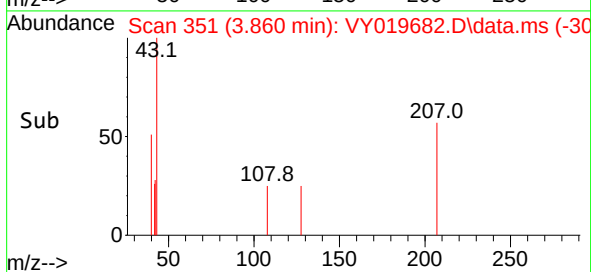
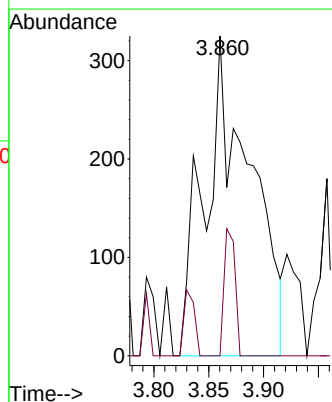
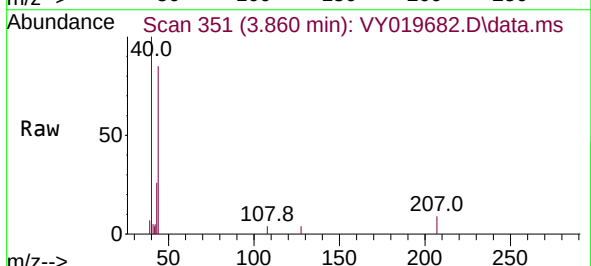
Acq: 24 Sep 2024 15:08

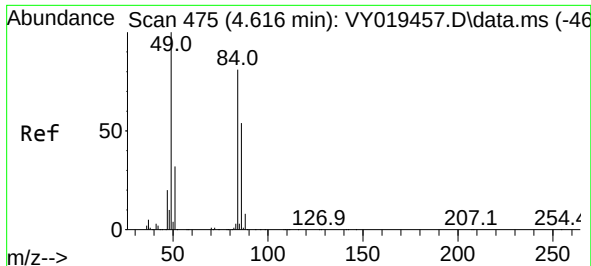
Tgt Ion: 43 Resp: 939

Ion Ratio Lower Upper

43 100

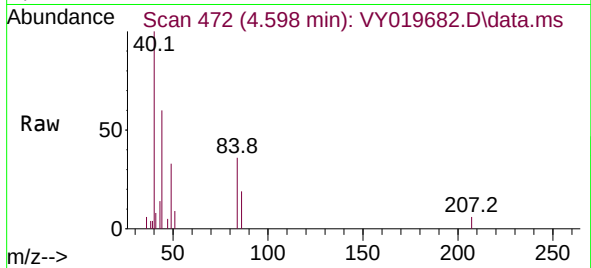
58 0.0 31.7 47.5#



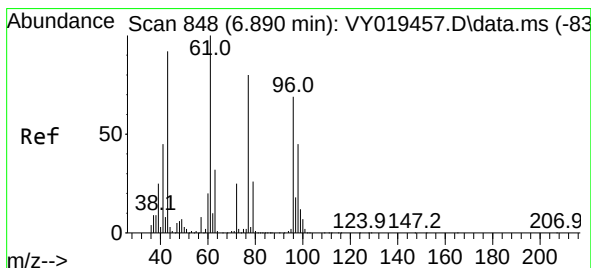
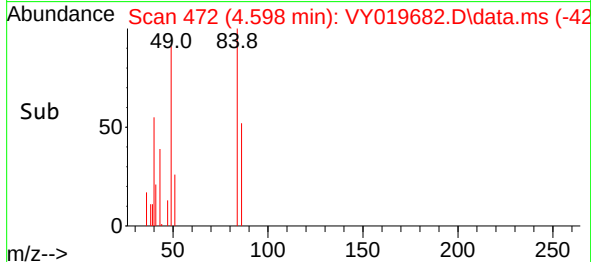
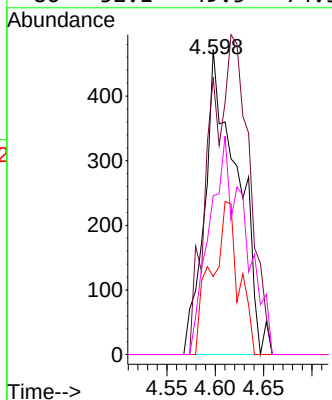


#20
Methylene Chloride
Concen: 2.204 ug/l
RT: 4.598 min Scan# 411
Delta R.T. -0.018 min
Lab File: VY019682.D
Acq: 24 Sep 2024 15:08

Instrument :
MSVOA_Y
ClientSampleId :

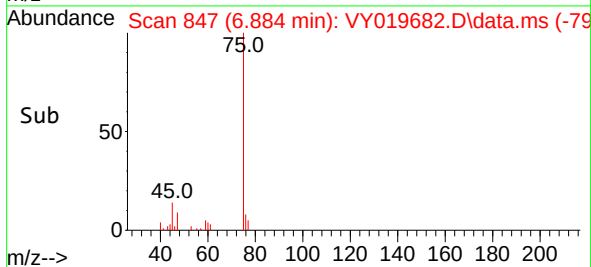
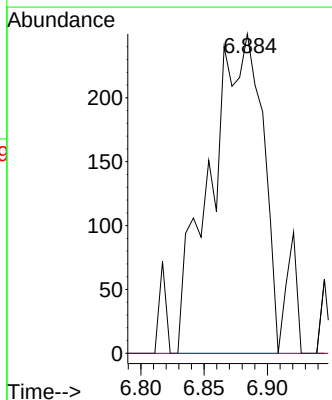
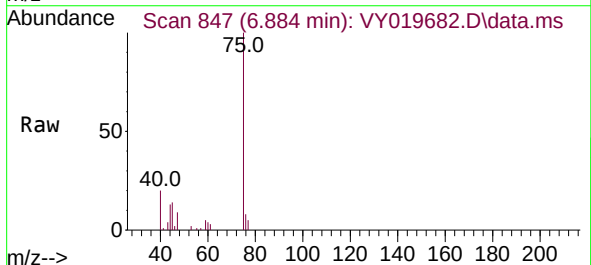


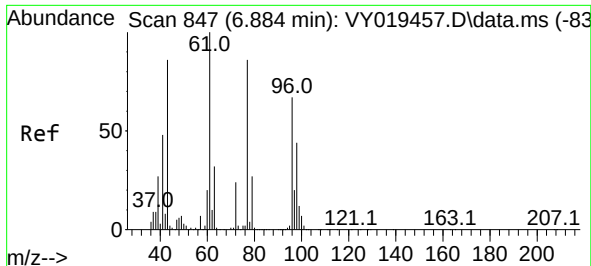
Tgt Ion:	84	Resp:	1116
Ion	Ratio	Lower	Upper
84	100		
49	90.9	84.4	126.6
51	25.6	26.0	39.0#
86	52.1	49.5	74.3



#25
2-Butanone
Concen: 4.565 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY019682.D
Acq: 24 Sep 2024 15:08

Tgt Ion:	43	Resp:	721
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.3	40.9#





#26

2,2-Dichloropropane

Concen: 1.284 ug/l

RT: 6.872 min Scan# 847

Delta R.T. -0.012 min

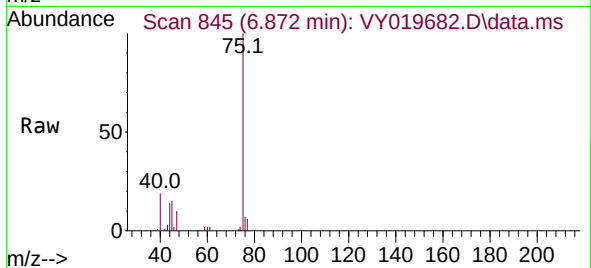
Lab File: VY019682.D

Acq: 24 Sep 2024 15:08

Instrument :

MSVOA_Y

ClientSampleId :

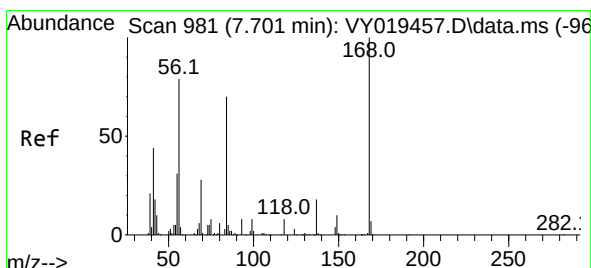
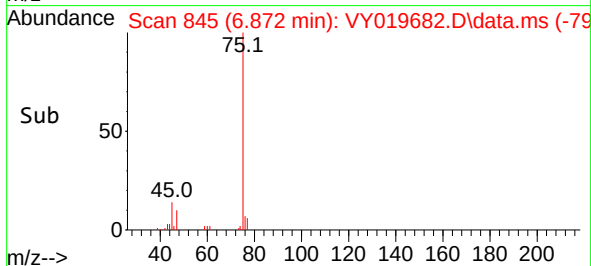
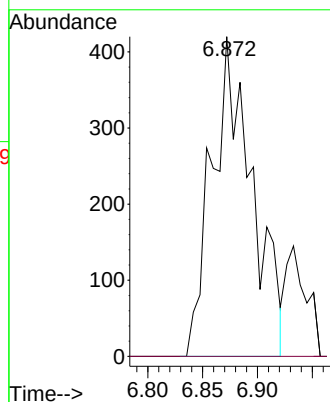


Tgt Ion: 77 Resp: 1069

Ion Ratio Lower Upper

77 100

97 0.0 12.0 36.1#



#31

Cyclohexane

Concen: 1.574 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY019682.D

Acq: 24 Sep 2024 15:08

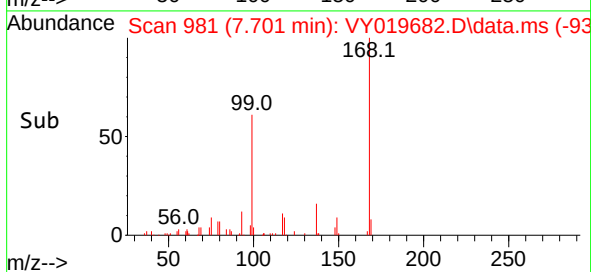
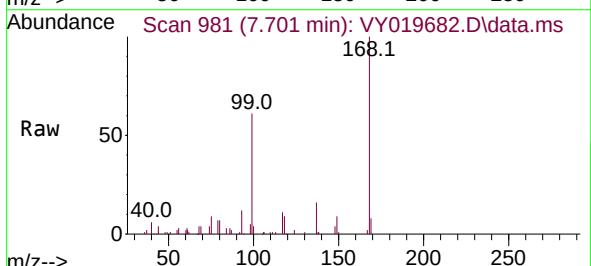
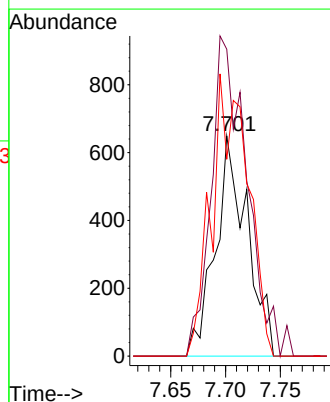
Tgt Ion: 56 Resp: 1313

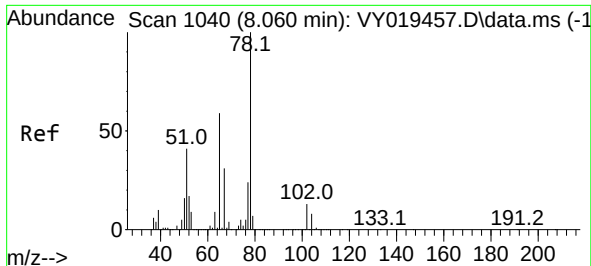
Ion Ratio Lower Upper

56 100

69 139.4 28.7 43.1#

84 89.4 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 47.552 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY019682.D

Acq: 24 Sep 2024 15:08

Instrument :

MSVOA_Y

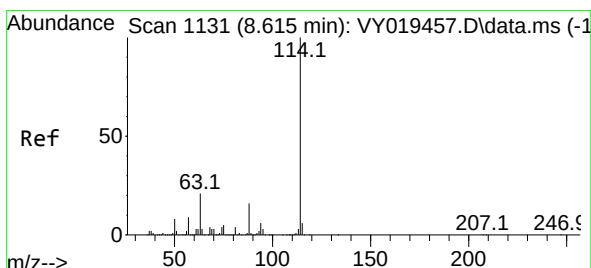
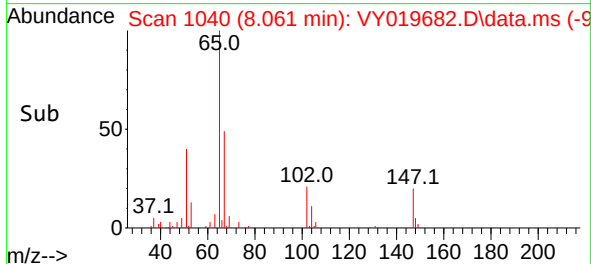
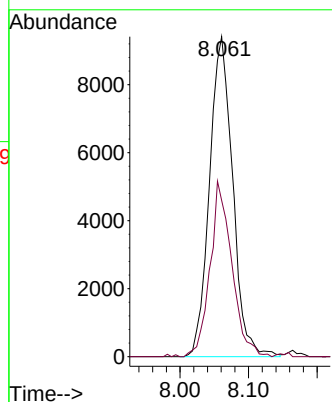
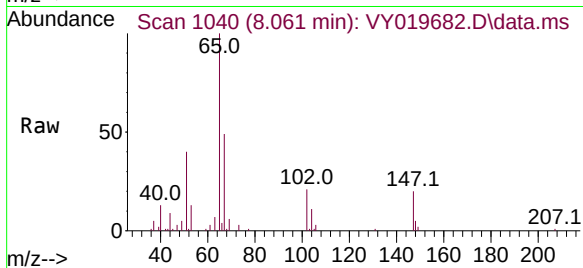
ClientSampleId :

Tgt Ion: 65 Resp: 22164

Ion Ratio Lower Upper

65 100

67 51.4 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: VY019682.D

Acq: 24 Sep 2024 15:08

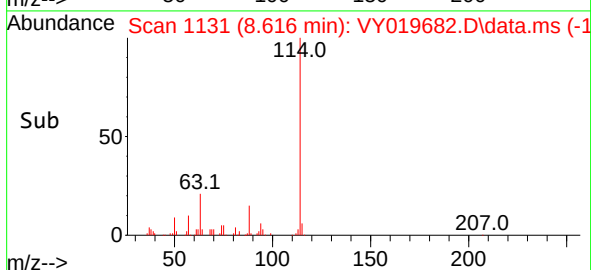
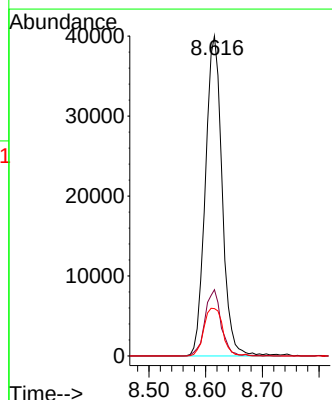
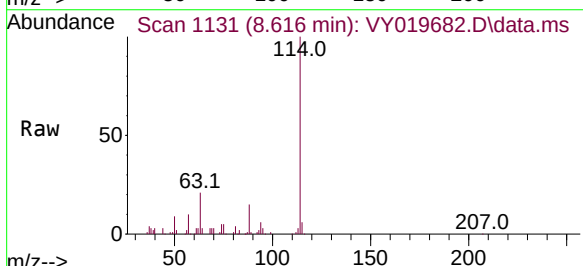
Tgt Ion: 114 Resp: 82169

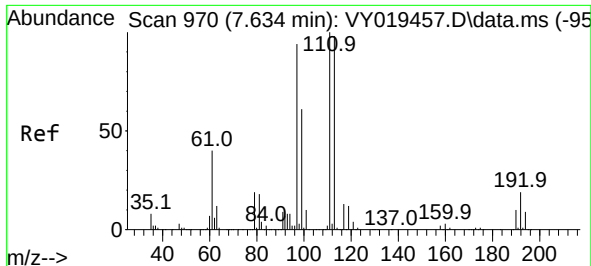
Ion Ratio Lower Upper

114 100

63 20.7 0.0 35.0

88 14.8 0.0 27.2





#35

Dibromofluoromethane

Concen: 48.555 ug/l

RT: 7.628 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY019682.D

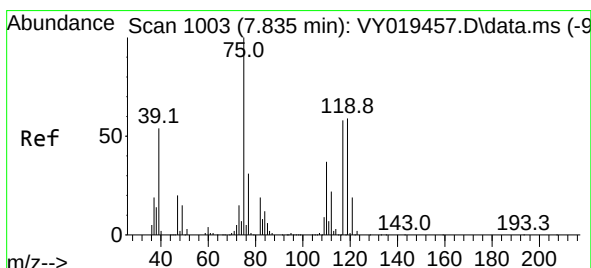
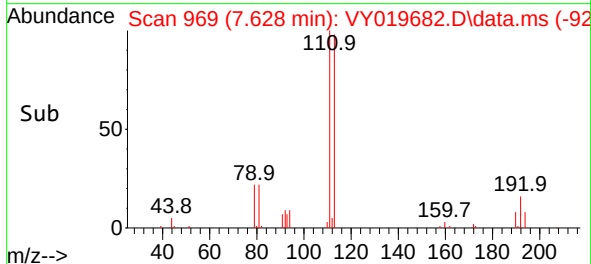
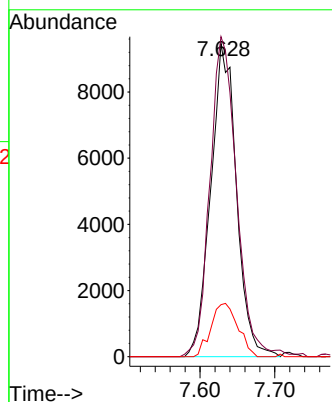
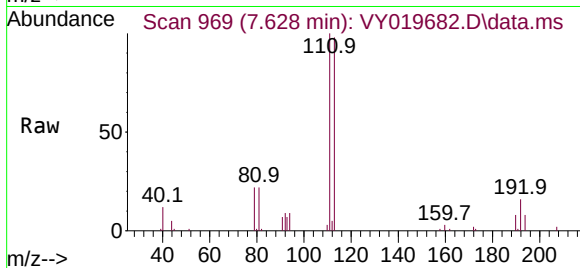
Acq: 24 Sep 2024 15:08

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:113	Resp:	22621
Ion	Ratio	Lower Upper
113	100	
111	106.3	82.2 123.4
192	17.9	15.9 23.9



#36

1,1-Dichloropropene

Concen: 7.660 ug/l

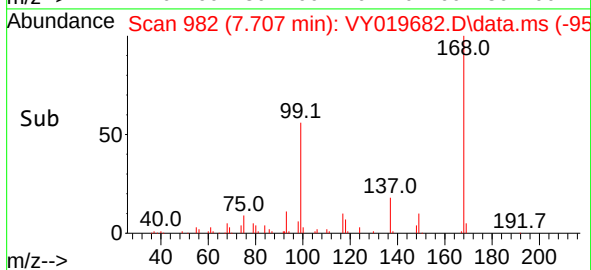
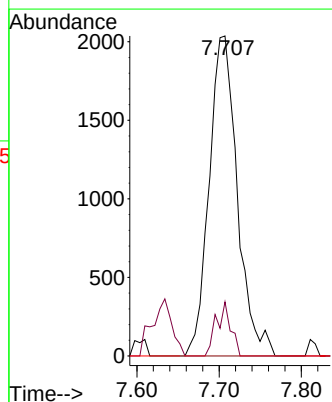
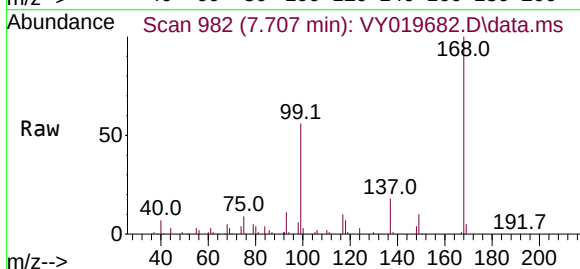
RT: 7.707 min Scan# 982

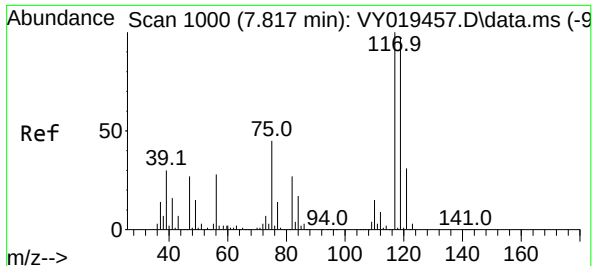
Delta R.T. -0.128 min

Lab File: VY019682.D

Acq: 24 Sep 2024 15:08

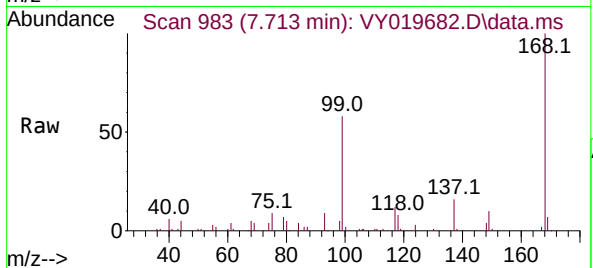
Tgt Ion: 75	Resp:	4856
Ion	Ratio	Lower Upper
75	100	
110	8.7	19.0 57.0#
77	0.0	25.3 37.9#



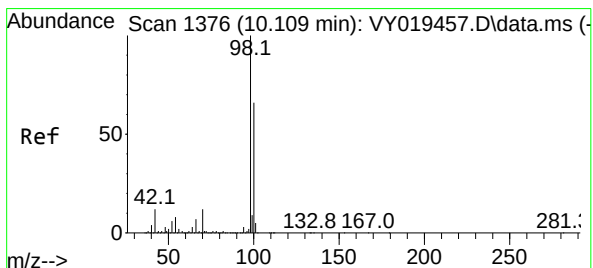
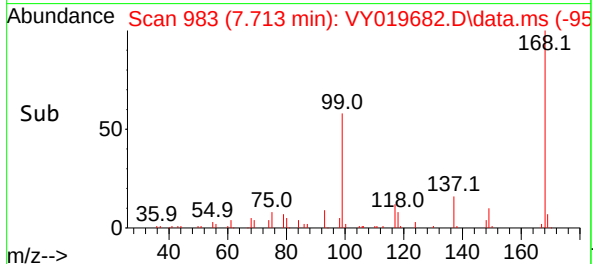
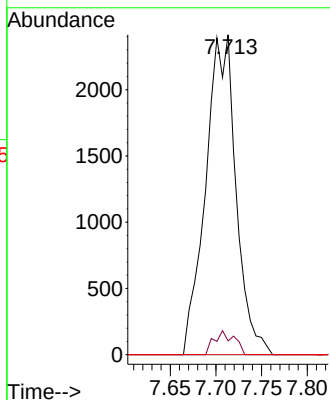


#38
Carbon Tetrachloride
Concen: 7.815 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY019682.D
Acq: 24 Sep 2024 15:08

Instrument :
MSVOA_Y
ClientSampleId :

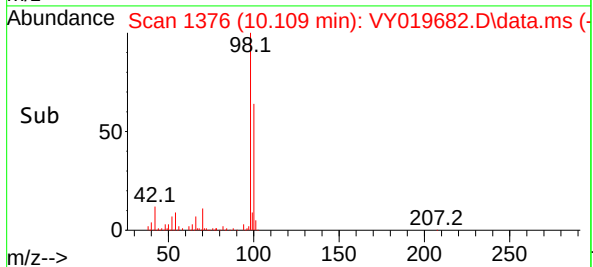
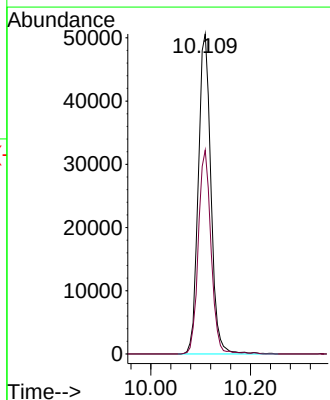
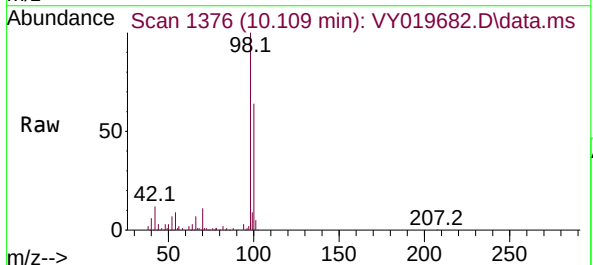


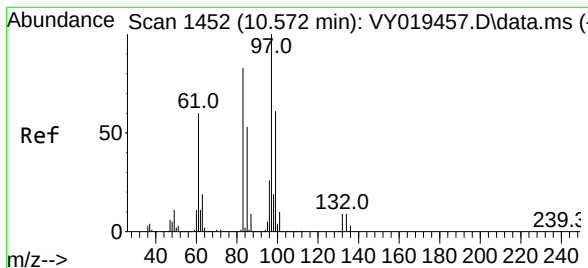
Tgt Ion:117 Resp: 5587
Ion Ratio Lower Upper
117 100
119 4.3 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 51.587 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY019682.D
Acq: 24 Sep 2024 15:08

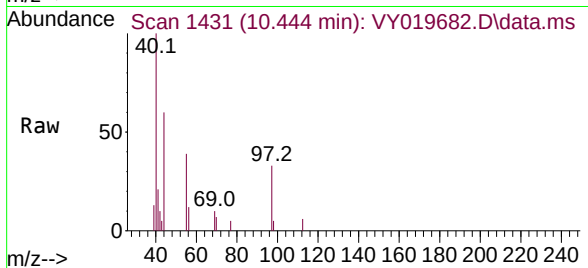
Tgt Ion: 98 Resp: 88894
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0



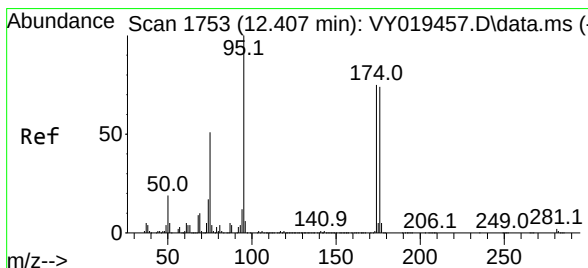
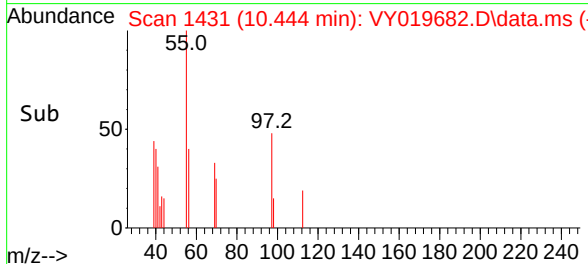
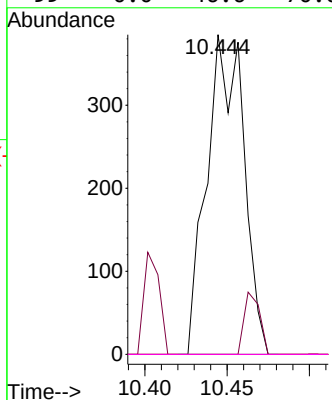


#55
 1,1,2-Trichloroethane
 Concen: 1.659 ug/l
 RT: 10.444 min Scan# 1452
 Delta R.T. -0.128 min
 Lab File: VY019682.D
 Acq: 24 Sep 2024 15:08

Instrument :
 MSVOA_Y
 ClientSampleId :

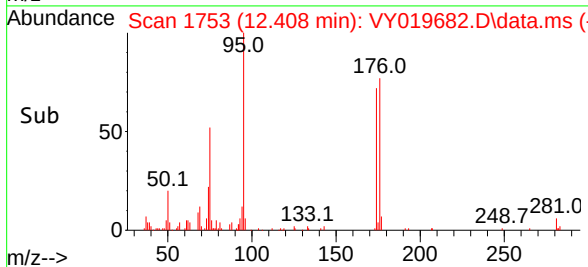
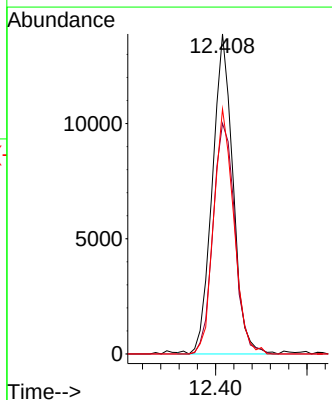
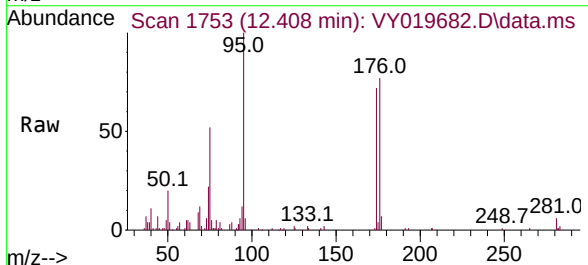


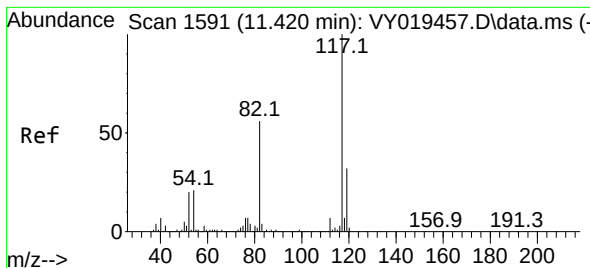
Tgt Ion: 97	Resp: 598
Ion Ratio	Lower Upper
97 100	
83 0.0	67.5 101.3#
85 0.0	42.9 64.3#
99 0.0	46.6 70.0#



#62
 4-Bromofluorobenzene
 Concen: 32.915 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.000 min
 Lab File: VY019682.D
 Acq: 24 Sep 2024 15:08

Tgt Ion: 95	Resp: 21809
Ion Ratio	Lower Upper
95 100	
174 75.7	0.0 175.6
176 74.8	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: VY019682.D

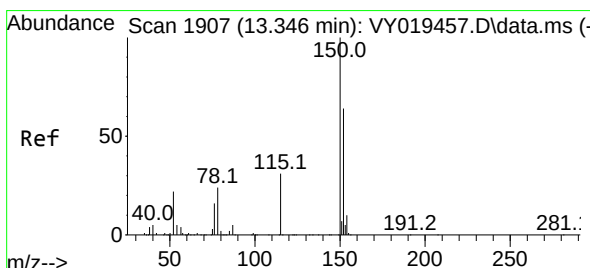
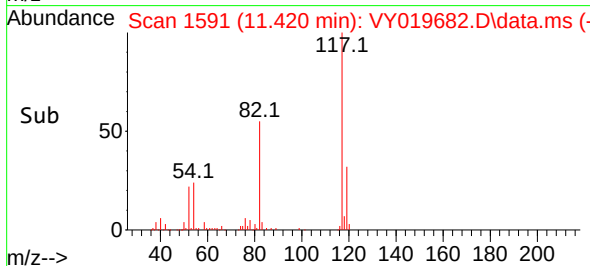
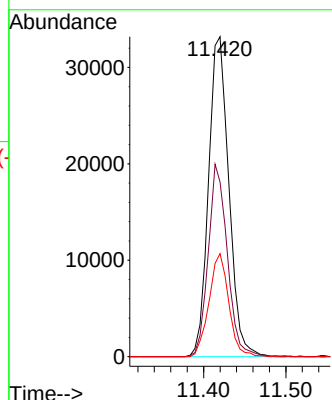
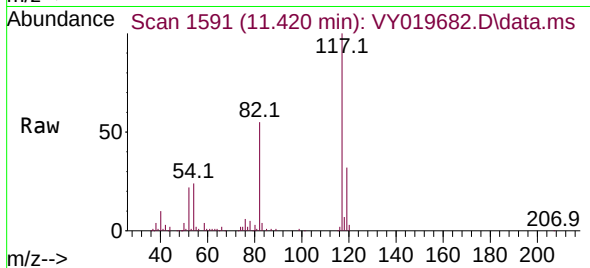
Acq: 24 Sep 2024 15:08

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117	Resp:	56948
Ion	Ratio	Lower Upper
117	100	
82	54.6	42.4 63.6
119	32.2	25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

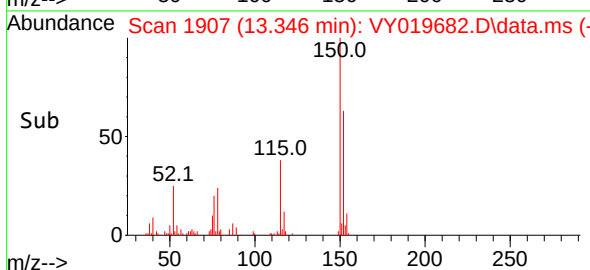
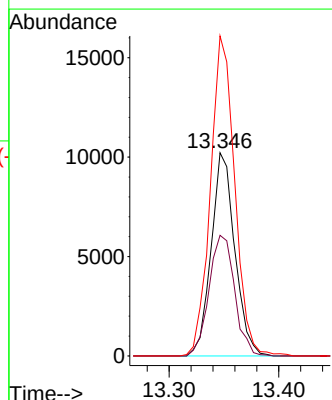
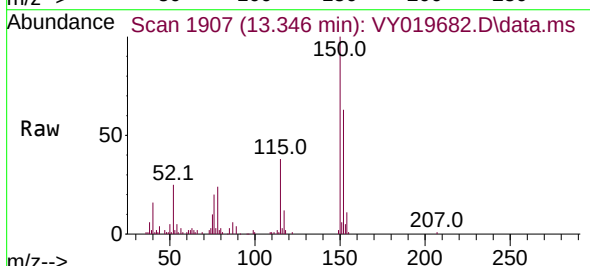
RT: 13.346 min Scan# 1907

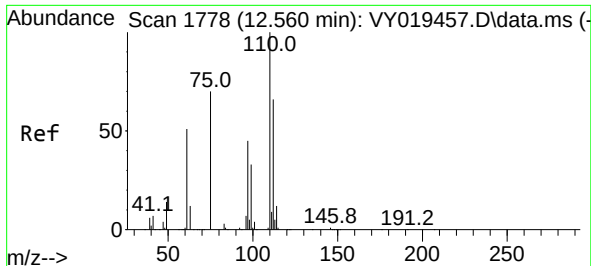
Delta R.T. 0.000 min

Lab File: VY019682.D

Acq: 24 Sep 2024 15:08

Tgt Ion:152	Resp:	15308
Ion	Ratio	Lower Upper
152	100	
115	64.2	28.2 84.7
150	162.1	0.0 345.6

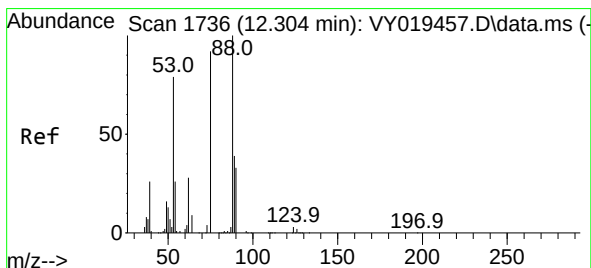
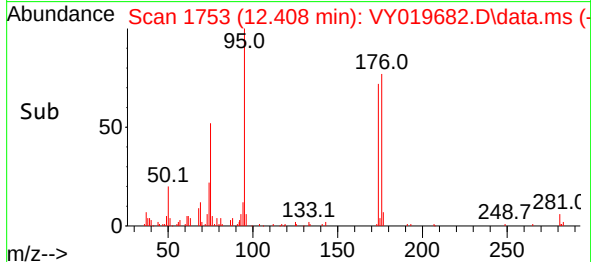
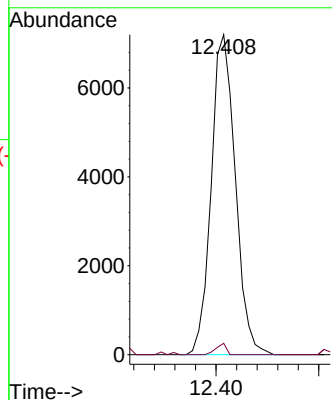
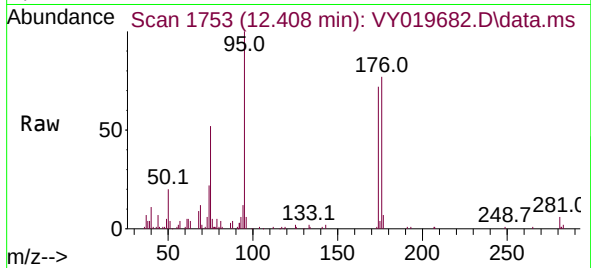




#76
 1,2,3-Trichloropropane
 Concen: 81.691 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY019682.D
 Acq: 24 Sep 2024 15:08

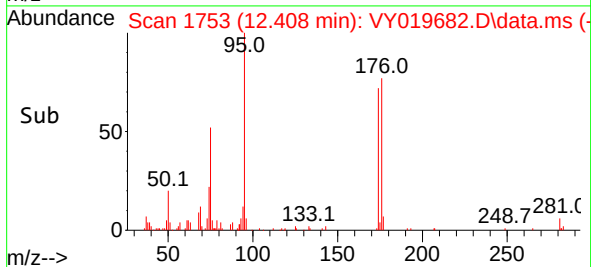
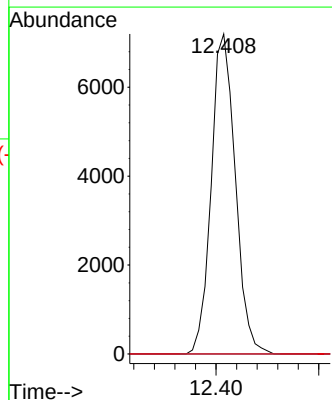
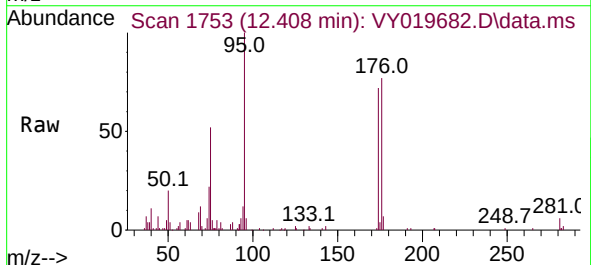
Instrument :
 MSVOA_Y
 ClientSampleId :

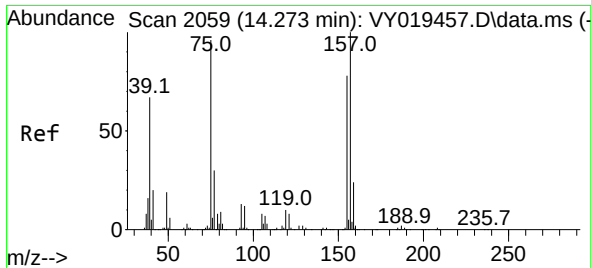
Tgt Ion: 75 Resp: 11721
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 156.822 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.104 min
 Lab File: VY019682.D
 Acq: 24 Sep 2024 15:08

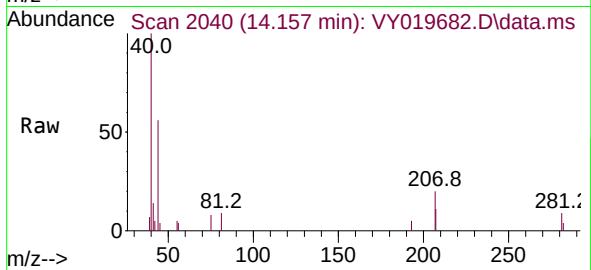
Tgt Ion: 75 Resp: 11721
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.0 35.8 53.6#





#92
1,2-Dibromo-3-Chloropropane
Concen: 1.826 ug/l
RT: 14.157 min Scan# 2059
Delta R.T. -0.116 min
Lab File: VY019682.D
Acq: 24 Sep 2024 15:08

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
155	0.0	48.6	145.8#
157	0.0	62.7	188.2#

