

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091724\
 Data File : VY019588.D
 Acq On : 17 Sep 2024 16:12
 Operator : SY/MD
 Sample : P4015-07
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 18 01:33:40 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

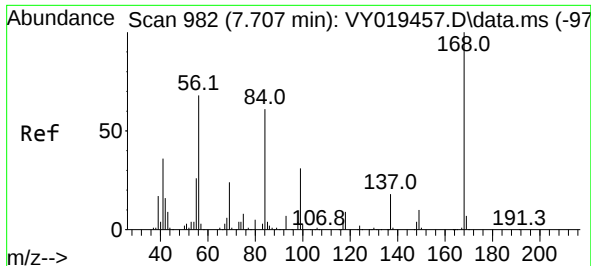
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	327429	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	638517	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	564766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	215679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	196455	64.796	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.600%	
35) Dibromofluoromethane	7.634	113	200322	55.333	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.660%	
50) Toluene-d8	10.109	98	752255	56.178	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 112.360%	
62) 4-Bromofluorobenzene	12.401	95	243477	47.288	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 94.580%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.873	85	256	Below Cal	#	43
11) Tert butyl alcohol	4.842	59	2019	8.246	ug/l	99
13) Acrolein	3.635	56	71	Below Cal	#	1
16) Acetone	3.872	43	1742	2.412	ug/l	95
20) Methylene Chloride	4.610	84	6537	1.984	ug/l	89
25) 2-Butanone	6.884	43	4127	4.017	ug/l	# 65
31) Cyclohexane	7.701	56	8014	1.477	ug/l	# 19
36) 1,1-Dichloropropene	7.707	75	28612	5.808	ug/l	# 48
38) Carbon Tetrachloride	7.707	117	36177	6.512	ug/l	# 16
76) 1,2,3-Trichloropropane	12.401	75	131645	65.121	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.401	75	131645	125.014	ug/l	# 16

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

Quant Time: Sep 18 01:33:40 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

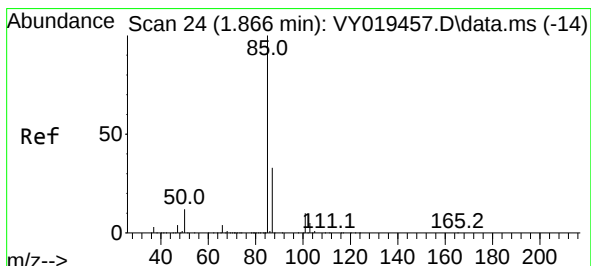
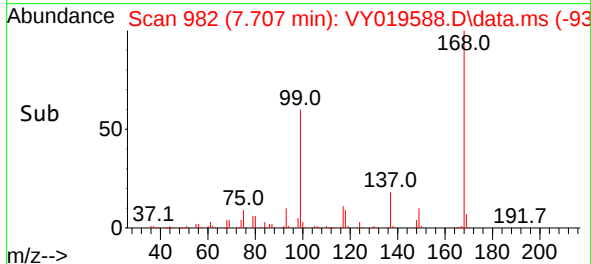
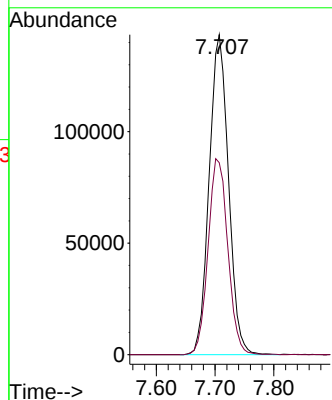
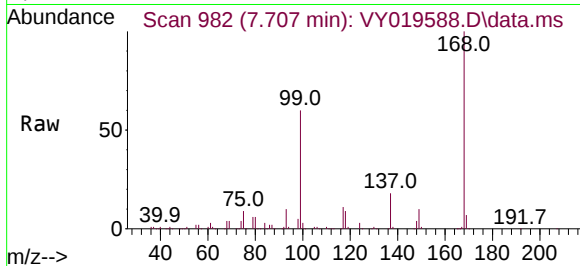




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019588.D
Acq: 17 Sep 2024 16:12

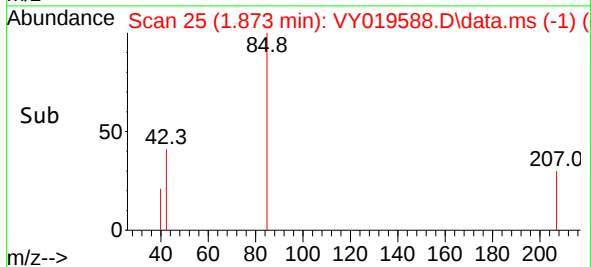
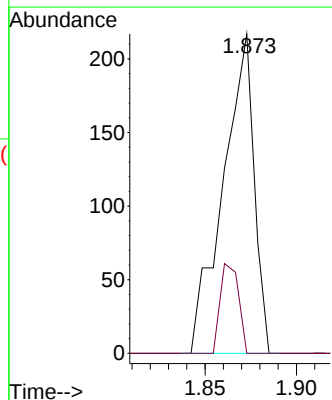
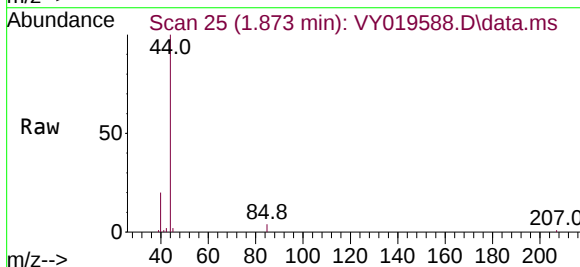
Instrument :
MSVOA_Y
ClientSampleId :

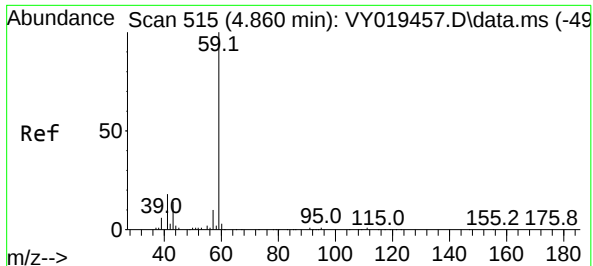
Tgt Ion:168 Resp: 327429
Ion Ratio Lower Upper
168 100
99 60.0 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.873 min Scan# 25
Delta R.T. 0.007 min
Lab File: VY019588.D
Acq: 17 Sep 2024 16:12

Tgt Ion: 85 Resp: 256
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#





#11

Tert butyl alcohol

Concen: 8.246 ug/l

RT: 4.842 min Scan# 515

Delta R.T. -0.018 min

Lab File: VY019588.D

Acq: 17 Sep 2024 16:12

Instrument :

MSVOA_Y

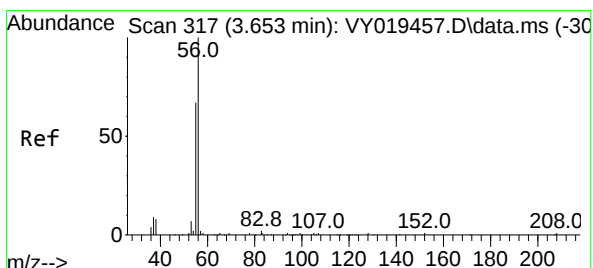
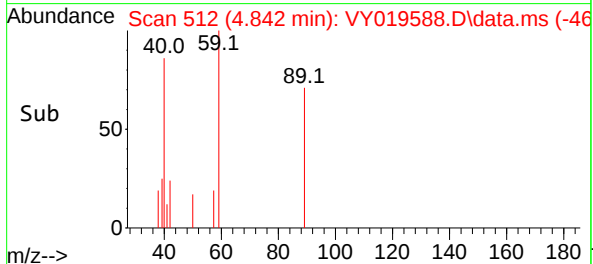
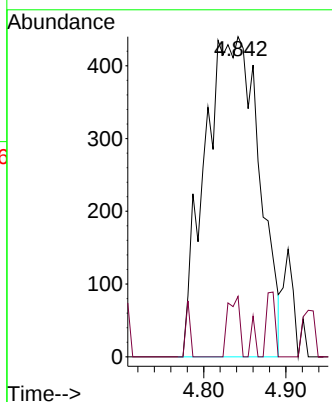
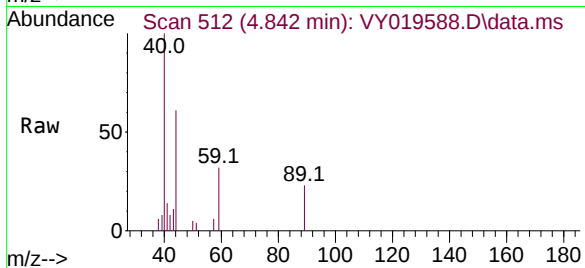
ClientSampleId :

Tgt Ion: 59 Resp: 2019

Ion Ratio Lower Upper

59 100

57 4.1 3.0 4.6



#13

Acrolein

Concen: Below Cal

RT: 3.635 min Scan# 314

Delta R.T. -0.018 min

Lab File: VY019588.D

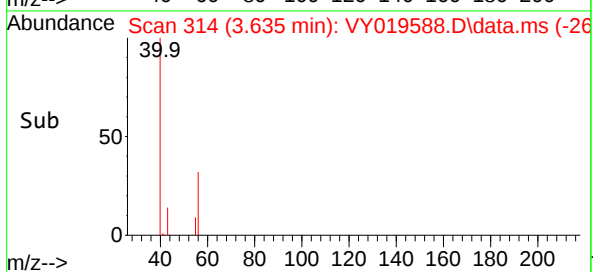
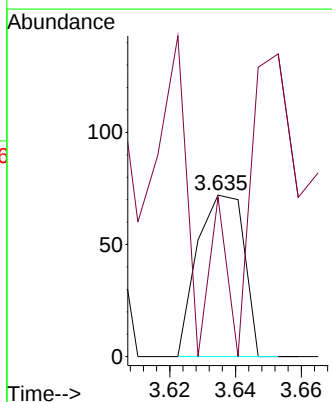
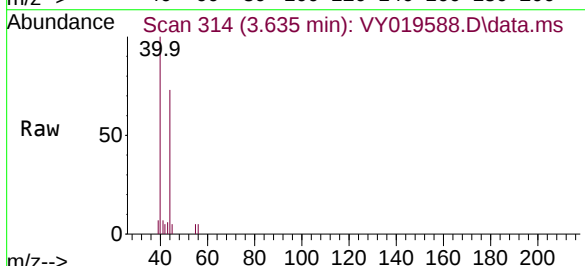
Acq: 17 Sep 2024 16:12

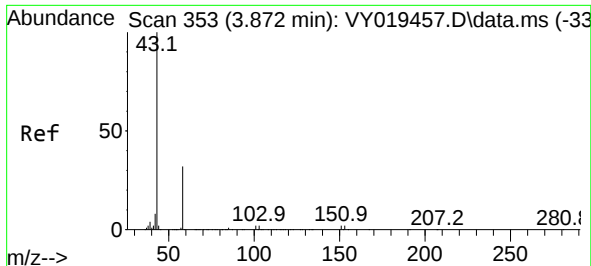
Tgt Ion: 56 Resp: 71

Ion Ratio Lower Upper

56 100

55 295.8 55.7 83.5#

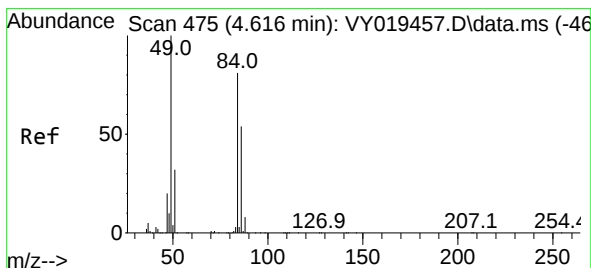
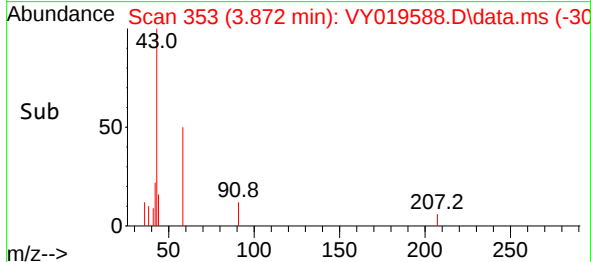
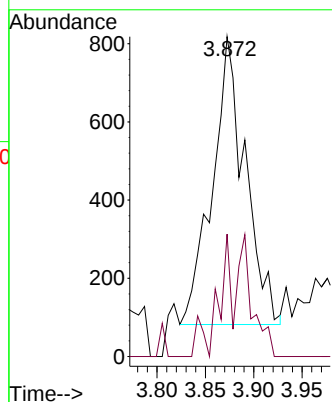
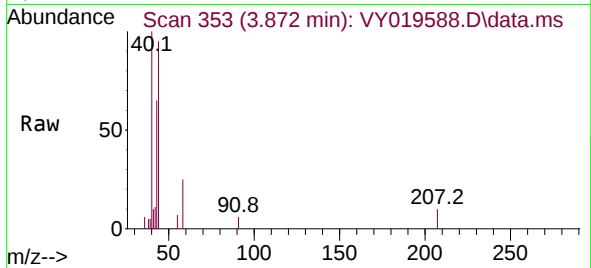




#16
Acetone
Concen: 2.412 ug/l
RT: 3.872 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY019588.D
Acq: 17 Sep 2024 16:12

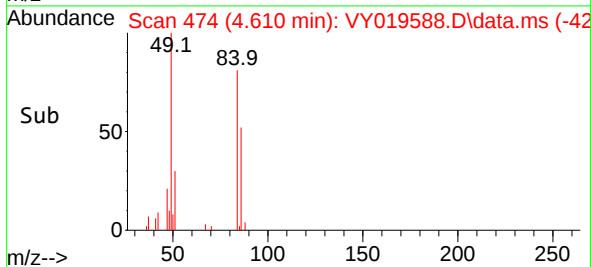
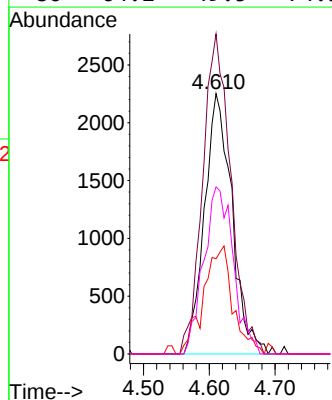
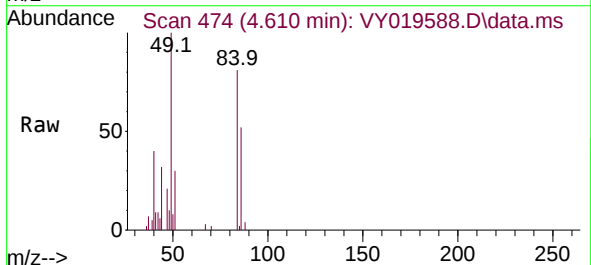
Instrument :
MSVOA_Y
ClientSampleId :

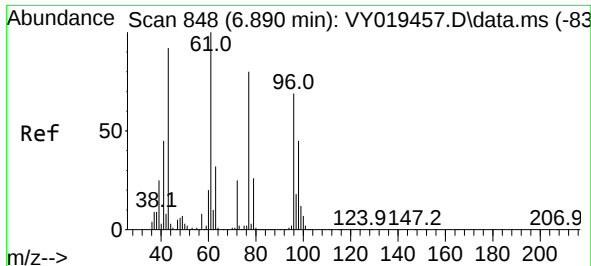
Tgt Ion: 43 Resp: 1742
Ion Ratio Lower Upper
43 100
58 42.5 31.7 47.5



#20
Methylene Chloride
Concen: 1.984 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY019588.D
Acq: 17 Sep 2024 16:12

Tgt Ion: 84 Resp: 6537
Ion Ratio Lower Upper
84 100
49 122.9 84.4 126.6
51 36.5 26.0 39.0
86 64.2 49.5 74.3





#25

2-Butanone

Concen: 4.017 ug/l

RT: 6.884 min Scan# 848

Delta R.T. -0.006 min

Lab File: VY019588.D

Acq: 17 Sep 2024 16:12

Instrument :

MSVOA_Y

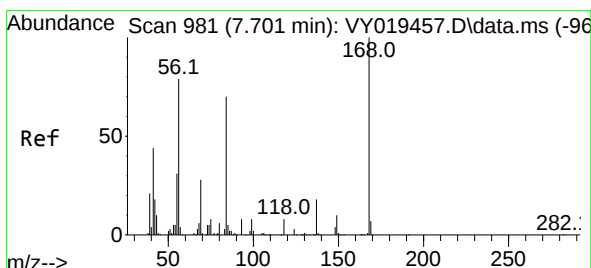
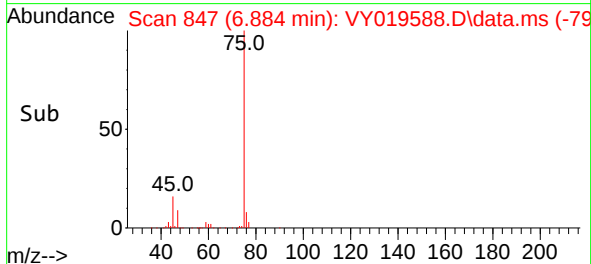
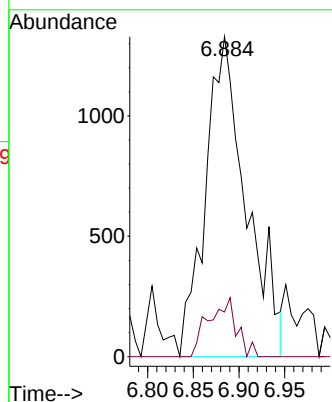
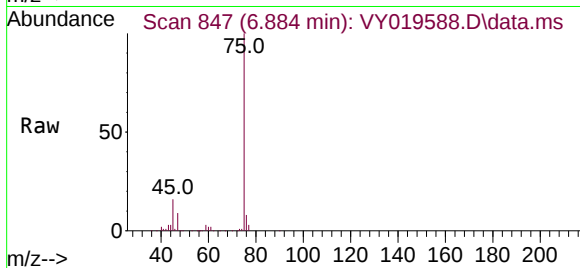
ClientSampleId :

Tgt Ion: 43 Resp: 4127

Ion Ratio Lower Upper

43 100

72 13.9 27.3 40.9#



#31

Cyclohexane

Concen: 1.477 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY019588.D

Acq: 17 Sep 2024 16:12

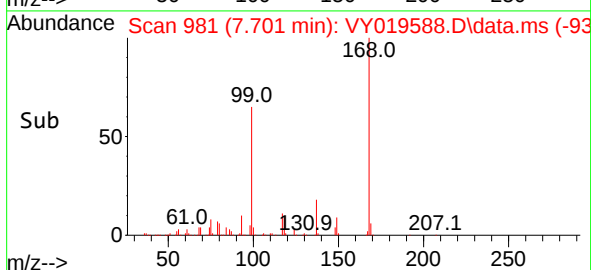
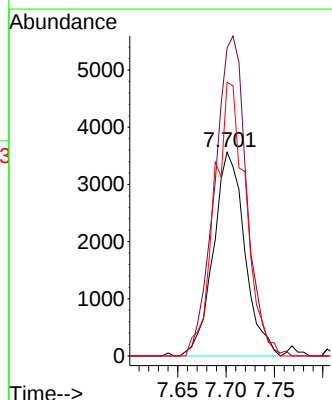
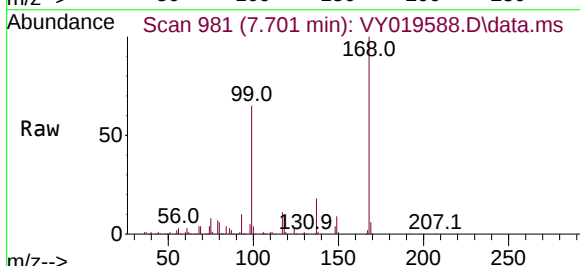
Tgt Ion: 56 Resp: 8014

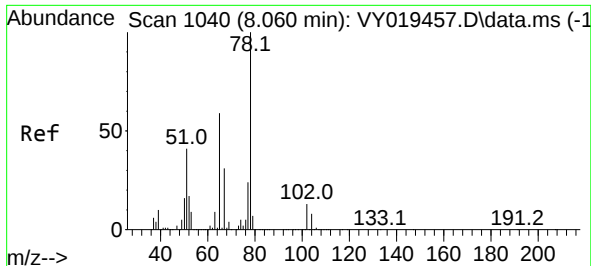
Ion Ratio Lower Upper

56 100

69 151.1 28.7 43.1#

84 134.4 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 64.796 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VY019588.D

Acq: 17 Sep 2024 16:12

Instrument :

MSVOA_Y

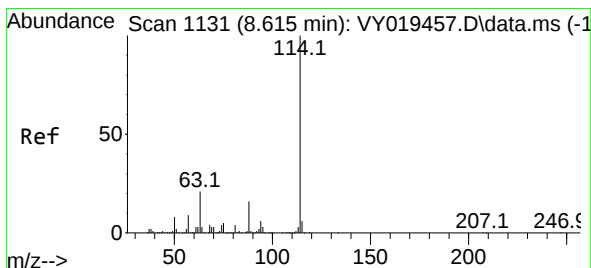
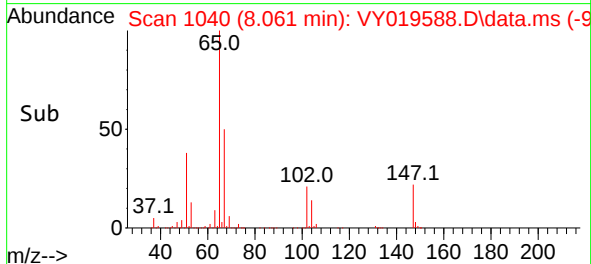
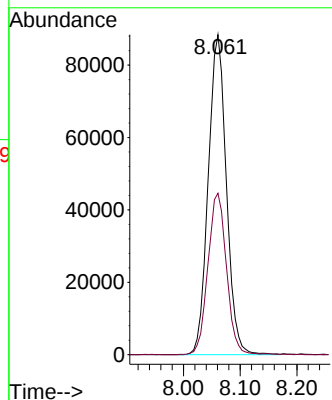
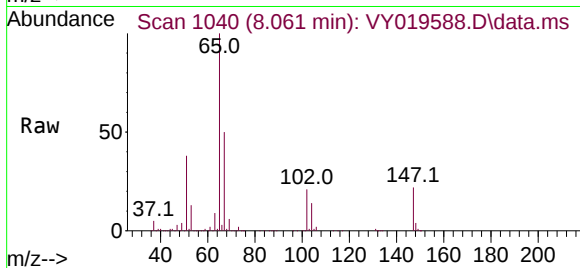
ClientSampleId :

Tgt Ion: 65 Resp: 196455

Ion Ratio Lower Upper

65 100

67 51.7 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: VY019588.D

Acq: 17 Sep 2024 16:12

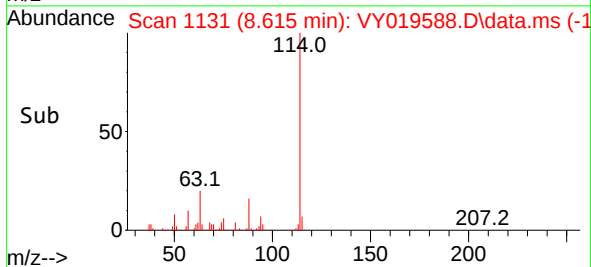
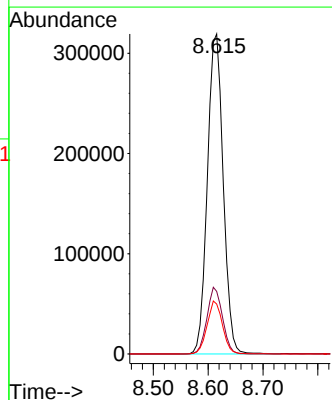
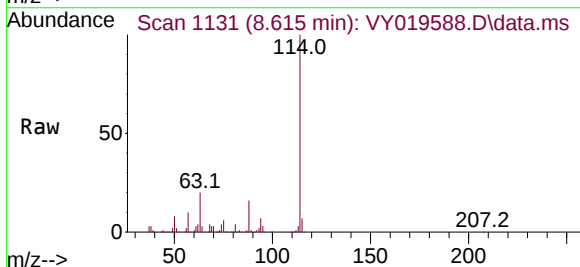
Tgt Ion: 114 Resp: 638517

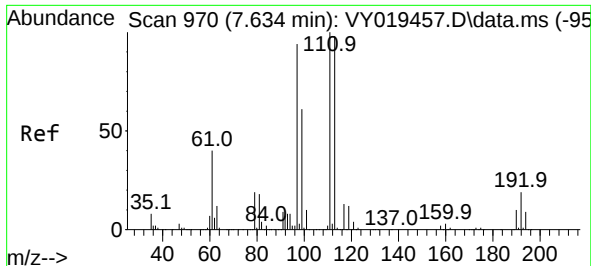
Ion Ratio Lower Upper

114 100

63 19.6 0.0 35.0

88 15.6 0.0 27.2





#35

Dibromofluoromethane

Concen: 55.333 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY019588.D

Acq: 17 Sep 2024 16:12

Instrument :

MSVOA_Y

ClientSampleId :

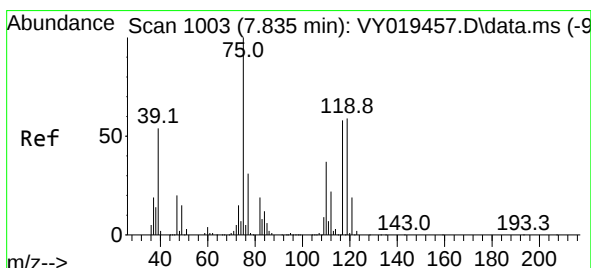
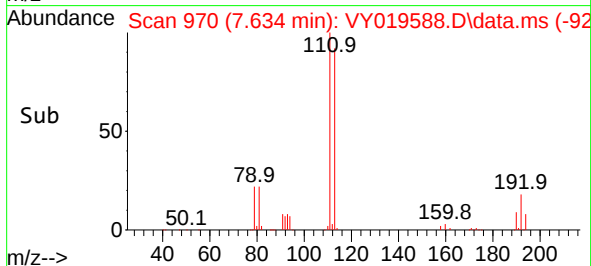
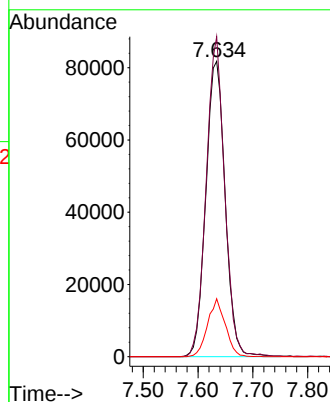
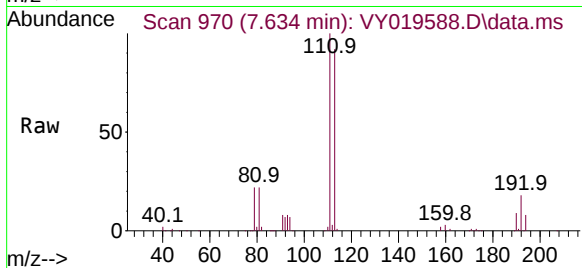
Tgt Ion:113 Resp: 200322

Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.4

192 18.0 15.9 23.9



#36

1,1-Dichloropropene

Concen: 5.808 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY019588.D

Acq: 17 Sep 2024 16:12

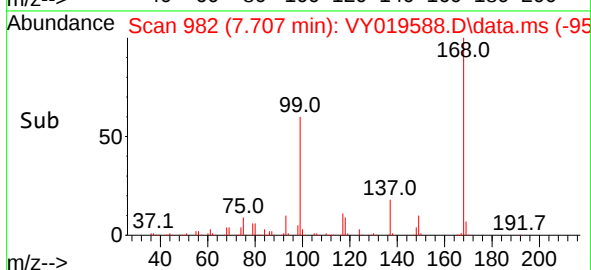
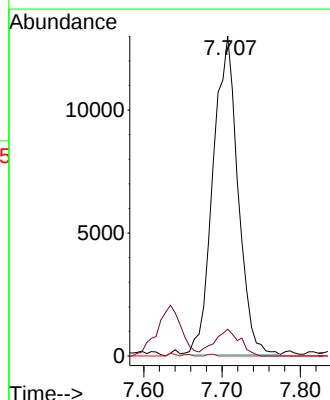
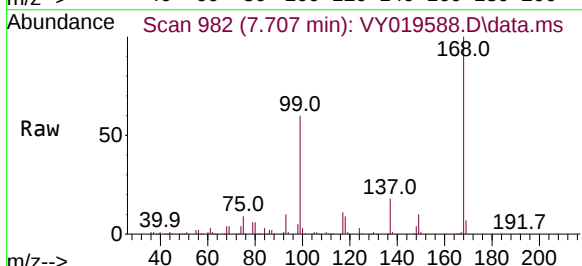
Tgt Ion: 75 Resp: 28612

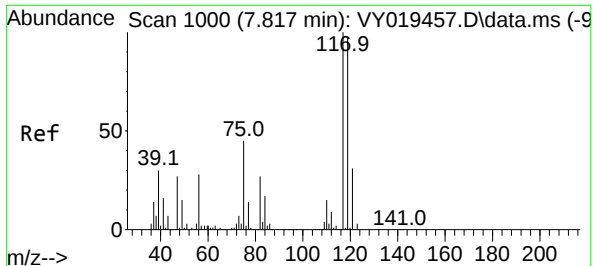
Ion Ratio Lower Upper

75 100

110 8.6 19.0 57.0#

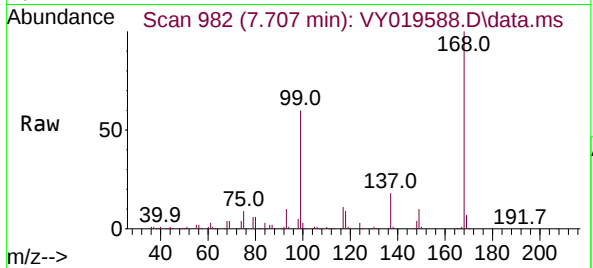
77 0.2 25.3 37.9#



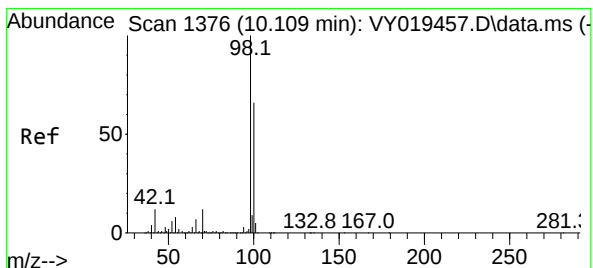
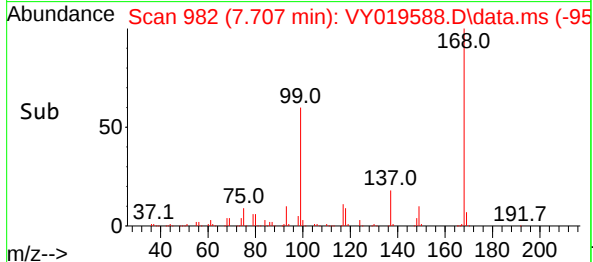
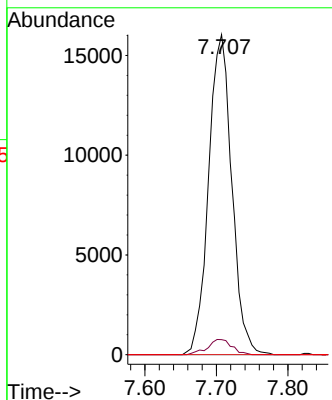


#38
Carbon Tetrachloride
Concen: 6.512 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY019588.D
Acq: 17 Sep 2024 16:12

Instrument :
MSVOA_Y
ClientSampleId :

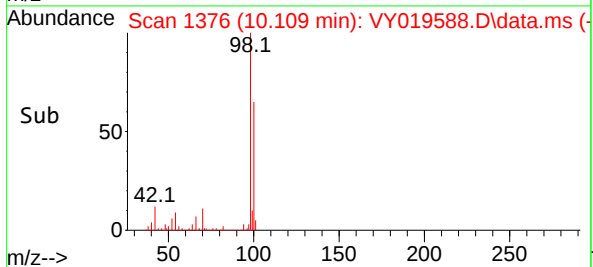
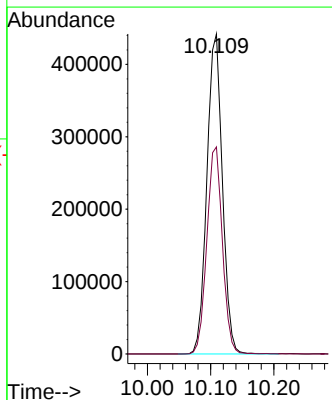
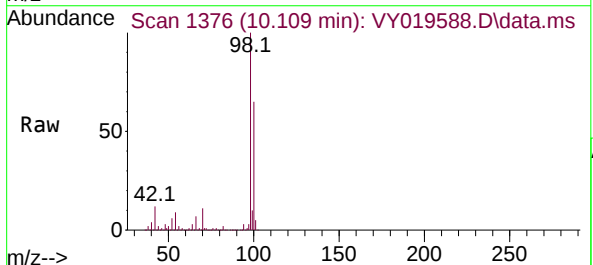


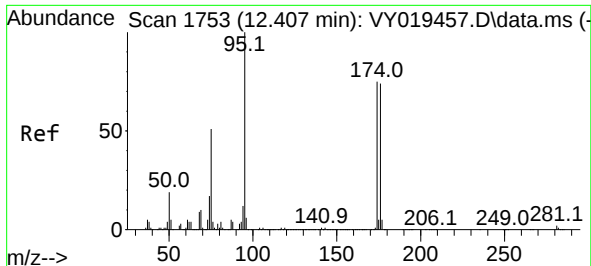
Tgt Ion:117 Resp: 36177
Ion Ratio Lower Upper
117 100
119 4.7 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 56.178 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY019588.D
Acq: 17 Sep 2024 16:12

Tgt Ion: 98 Resp: 752255
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0

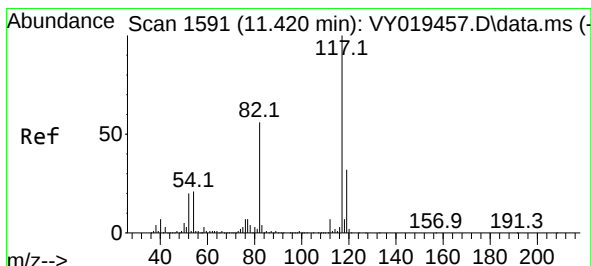
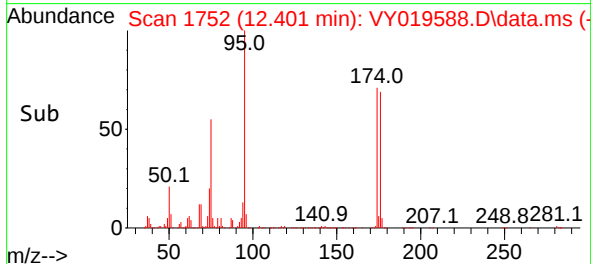
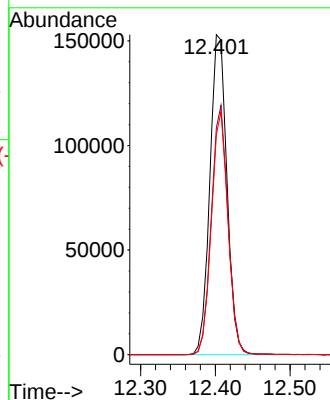
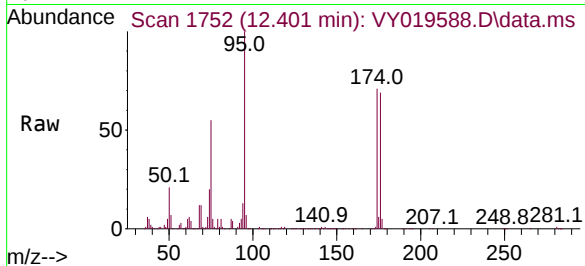




#62
4-Bromofluorobenzene
Concen: 47.288 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019588.D
Acq: 17 Sep 2024 16:12

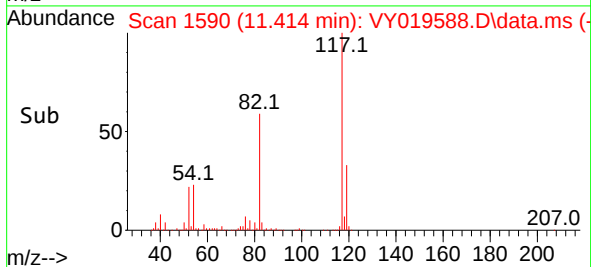
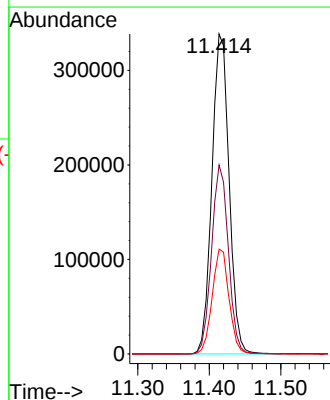
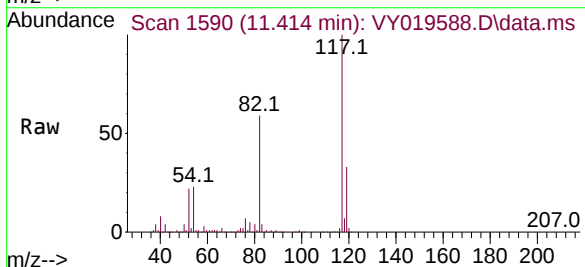
Instrument :
MSVOA_Y
ClientSampleId :

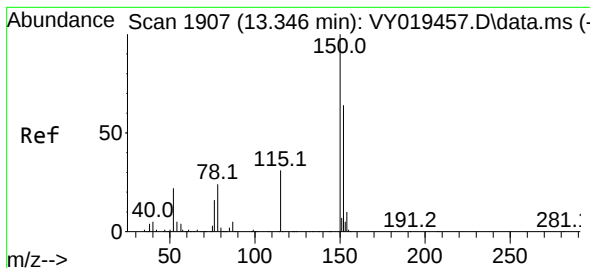
Tgt Ion: 95 Resp: 243477
Ion Ratio Lower Upper
95 100
174 76.1 0.0 175.6
176 73.7 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019588.D
Acq: 17 Sep 2024 16:12

Tgt Ion: 117 Resp: 564766
Ion Ratio Lower Upper
117 100
82 59.1 42.4 63.6
119 32.8 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: VY019588.D

Acq: 17 Sep 2024 16:12

Instrument :

MSVOA_Y

ClientSampleId :

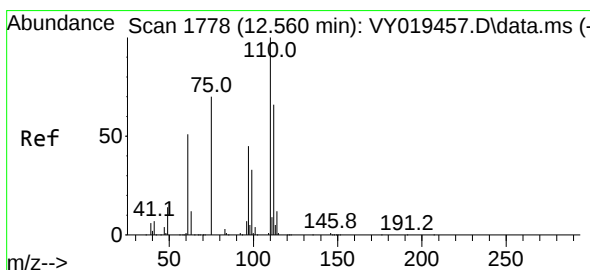
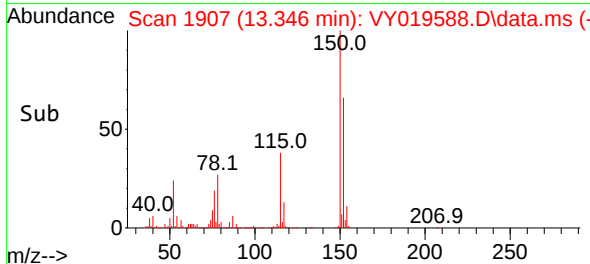
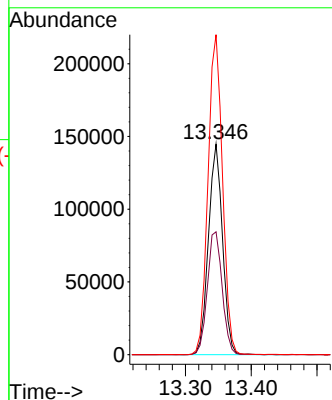
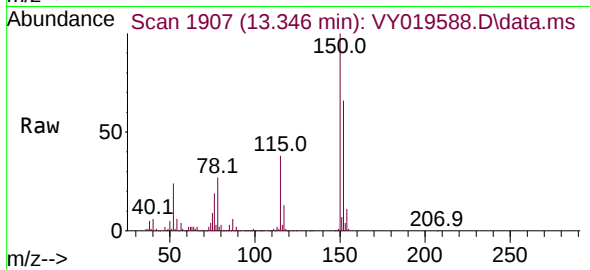
Tgt Ion:152 Resp: 215679

Ion Ratio Lower Upper

152 100

115 61.5 28.2 84.7

150 156.4 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 65.121 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY019588.D

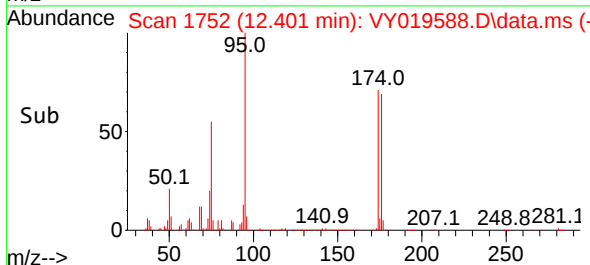
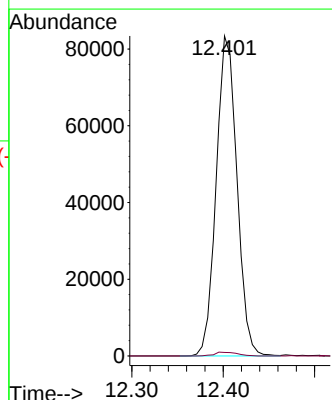
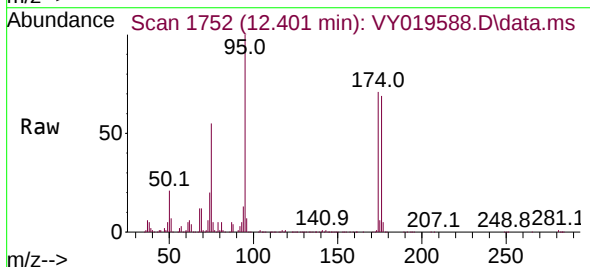
Acq: 17 Sep 2024 16:12

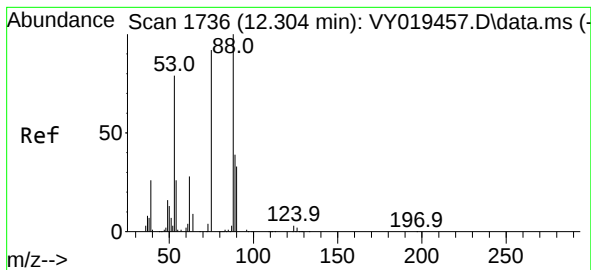
Tgt Ion: 75 Resp: 131645

Ion Ratio Lower Upper

75 100

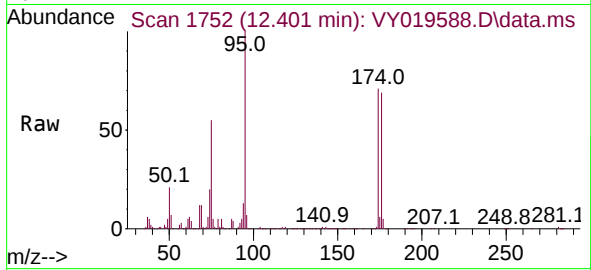
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.014 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY019588.D
 Acq: 17 Sep 2024 16:12

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 131645
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.8 100.2#
 89 0.1 35.8 53.6#

