

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082224\
 Data File : VY019221.D
 Acq On : 22 Aug 2024 15:32
 Operator : SY/MD
 Sample : P3641-08
 Misc : 5.58g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 23 01:53:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

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

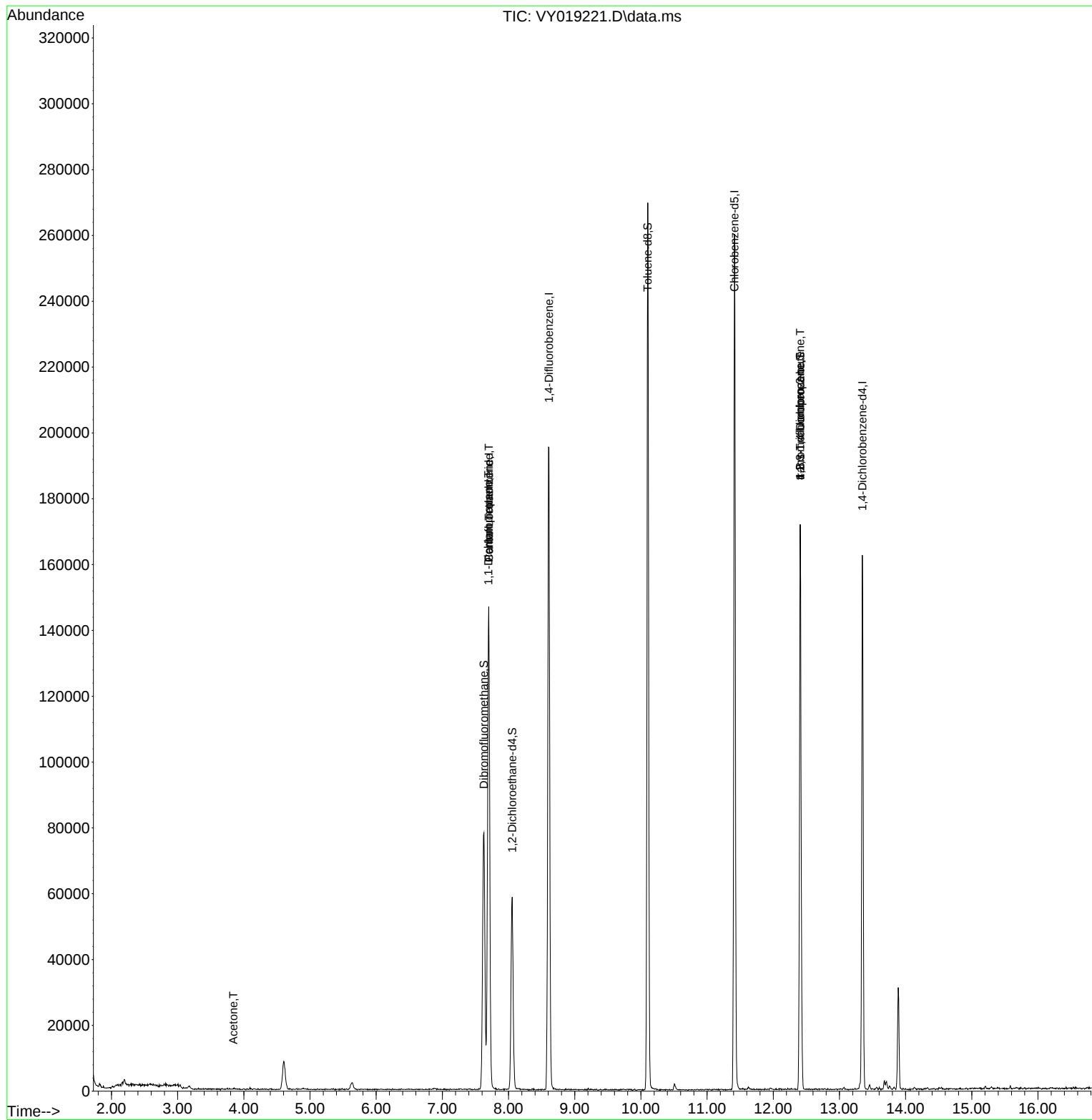
Internal Standards						
1) Pentafluorobenzene	7.701	168	113577	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	172932	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	141428	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	40948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	47384	41.619	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.240%
35) Dibromofluoromethane	7.628	113	55748	49.303	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.600%
50) Toluene-d8	10.103	98	171509	42.149	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	84.300%
62) 4-Bromofluorobenzene	12.408	95	46285	33.367	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	66.740%
Target Compounds						
					Qvalue	
5) Bromomethane	2.598	94	105	Below Cal	#	76
6) Chloroethane	2.952	64	25	Below Cal	#	42
11) Tert butyl alcohol	4.872	59	42	Below Cal	#	88
16) Acetone	3.842	43	583	2.761	ug/l #	36
20) Methylene Chloride	4.604	84	6315	Below Cal		94
31) Cyclohexane	7.701	56	2593	Below Cal	#	43
36) 1,1-Dichloropropene	7.695	75	8335	5.368	ug/l #	50
38) Carbon Tetrachloride	7.701	117	11872	6.598	ug/l #	18
76) 1,2,3-Trichloropropane	12.408	75	25457	63.040	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	25457	155.688	ug/l #	16

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

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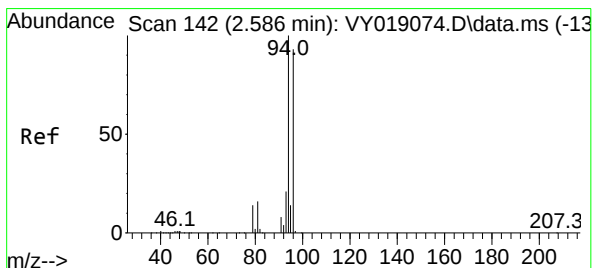
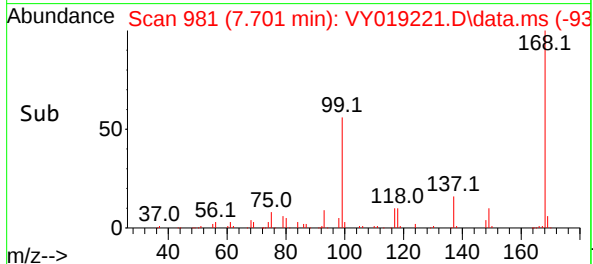
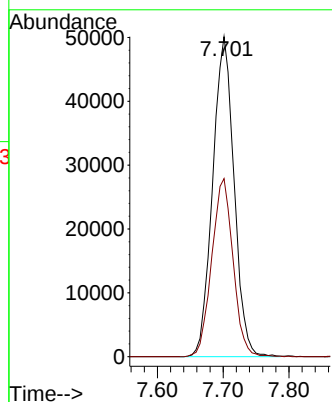
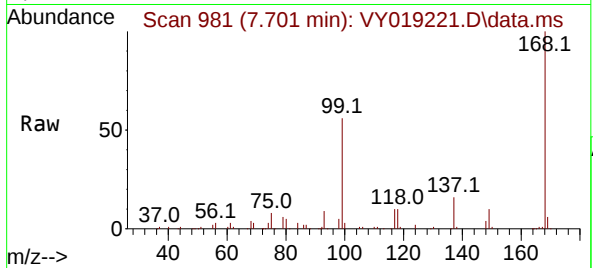




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019221.D
Acq: 22 Aug 2024 15:32

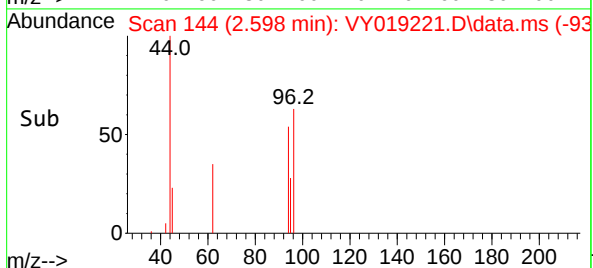
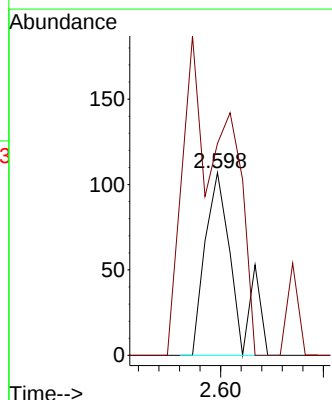
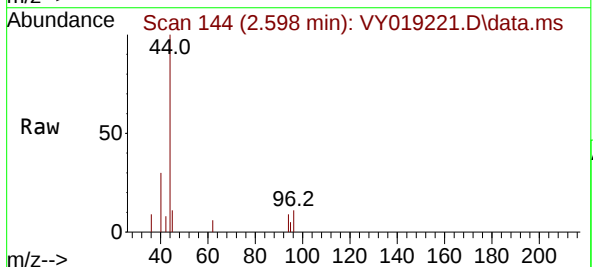
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 113577
Ion Ratio Lower Upper
168 100
99 55.7 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.598 min Scan# 144
Delta R.T. 0.012 min
Lab File: VY019221.D
Acq: 22 Aug 2024 15:32

Tgt Ion: 94 Resp: 105
Ion Ratio Lower Upper
94 100
96 115.9 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.872 min Scan# 51

Delta R.T. 0.030 min

Lab File: VY019221.D

Acq: 22 Aug 2024 15:32

Instrument :

MSVOA_Y

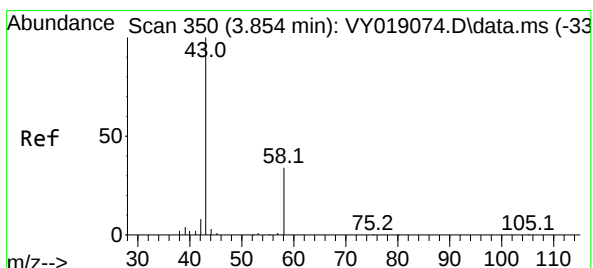
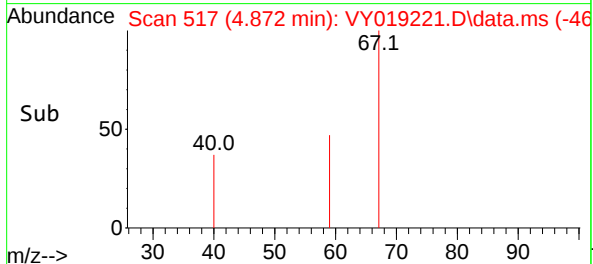
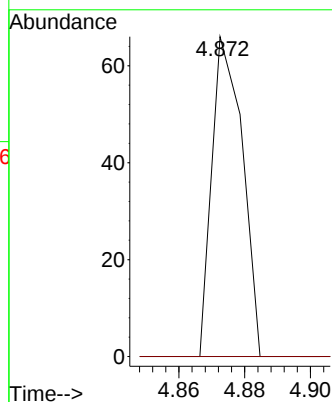
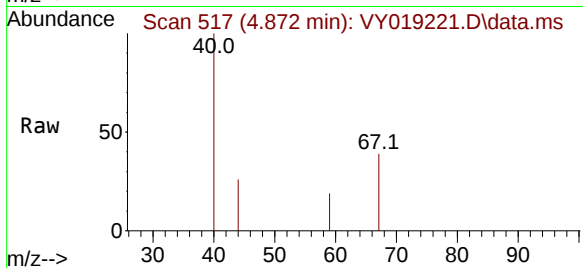
ClientSampleId :

Tgt Ion: 59 Resp: 42

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#16

Acetone

Concen: 2.761 ug/l

RT: 3.842 min Scan# 348

Delta R.T. -0.012 min

Lab File: VY019221.D

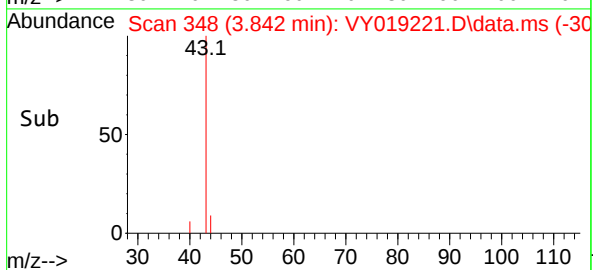
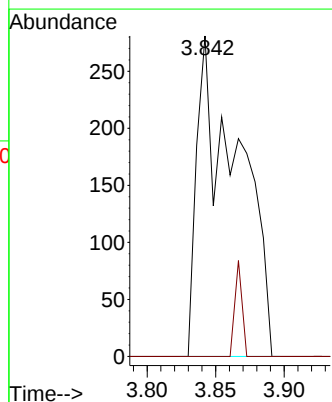
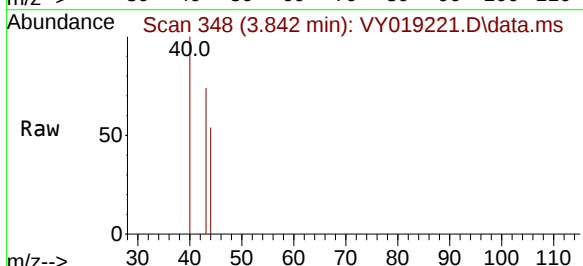
Acq: 22 Aug 2024 15:32

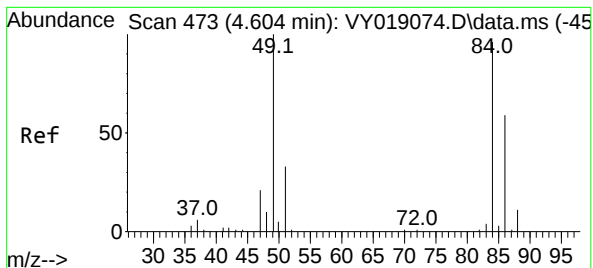
Tgt Ion: 43 Resp: 583

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.604 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY019221.D

Acq: 22 Aug 2024 15:32

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 84 Resp: 6315

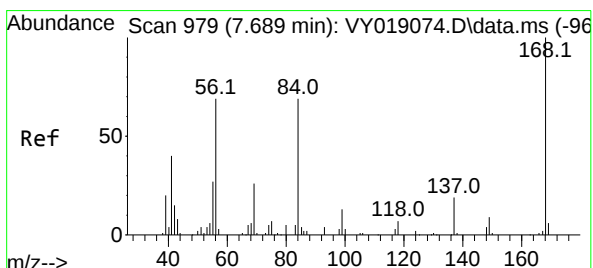
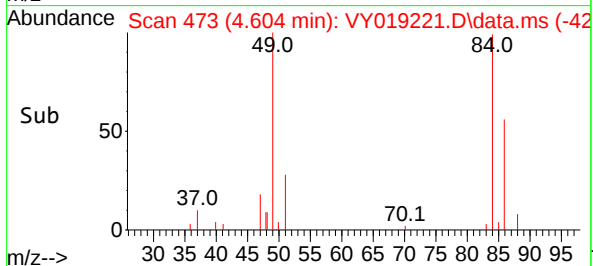
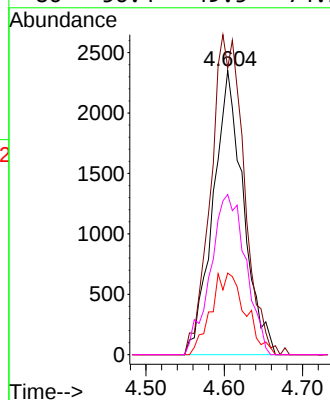
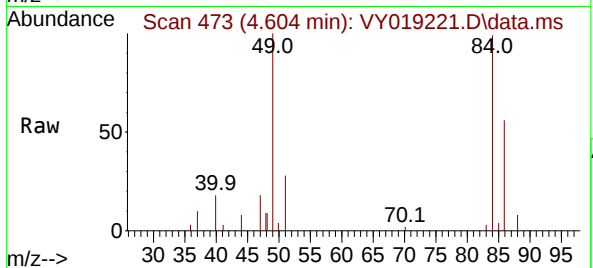
Ion Ratio Lower Upper

84 100

49 101.0 84.4 126.6

51 28.8 26.0 39.0

86 56.4 49.5 74.3



#31

Cyclohexane

Concen: Below Cal

RT: 7.701 min Scan# 981

Delta R.T. 0.012 min

Lab File: VY019221.D

Acq: 22 Aug 2024 15:32

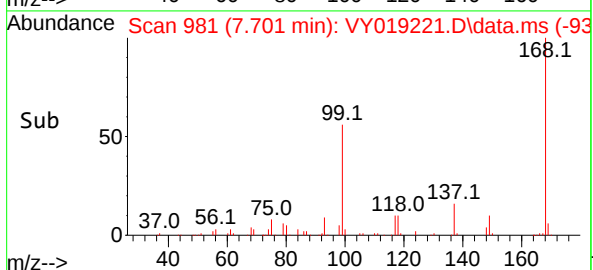
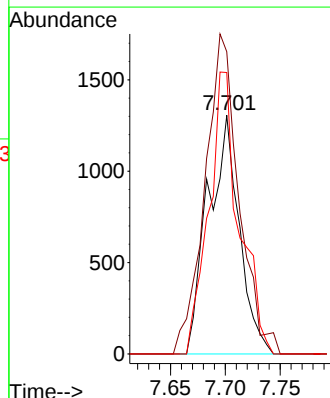
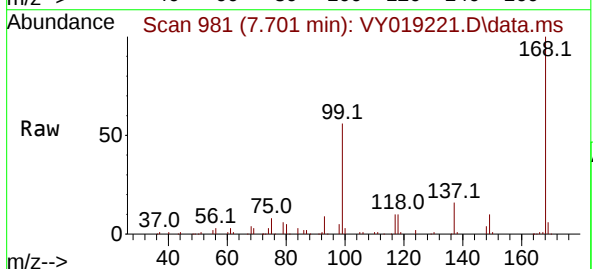
Tgt Ion: 56 Resp: 2593

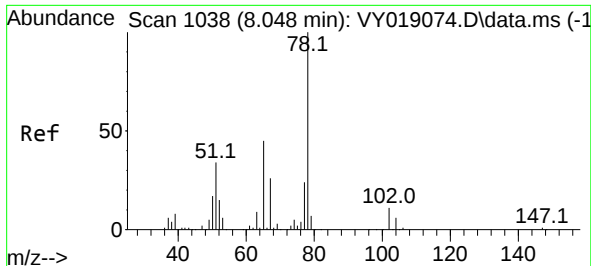
Ion Ratio Lower Upper

56 100

69 126.6 28.7 43.1#

84 117.9 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 41.619 ug/l

RT: 8.055 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019221.D

Acq: 22 Aug 2024 15:32

Instrument :

MSVOA_Y

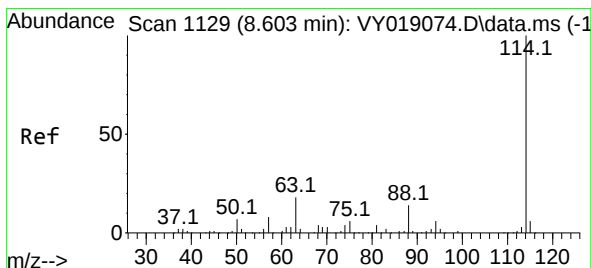
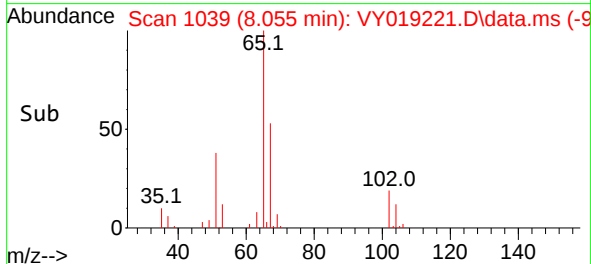
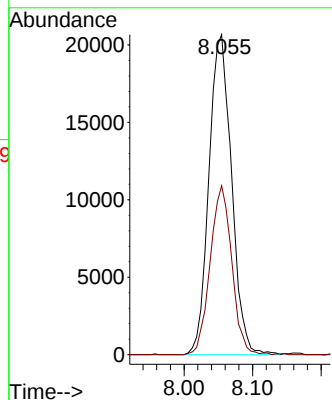
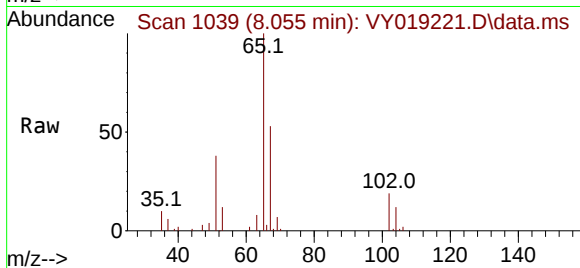
ClientSampleId :

Tgt Ion: 65 Resp: 47384

Ion Ratio Lower Upper

65 100

67 50.3 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019221.D

Acq: 22 Aug 2024 15:32

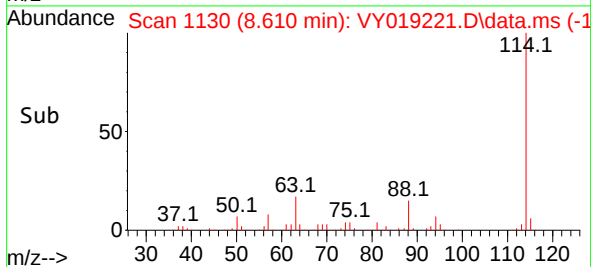
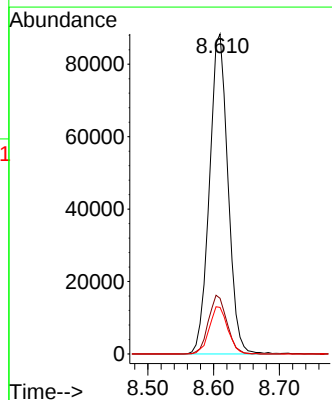
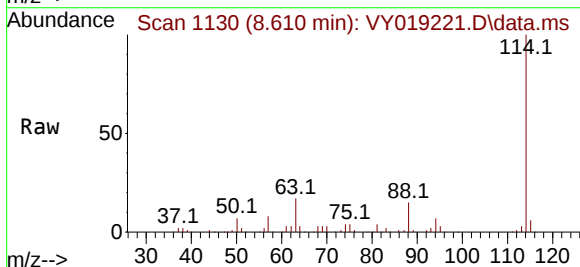
Tgt Ion: 114 Resp: 172932

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.0

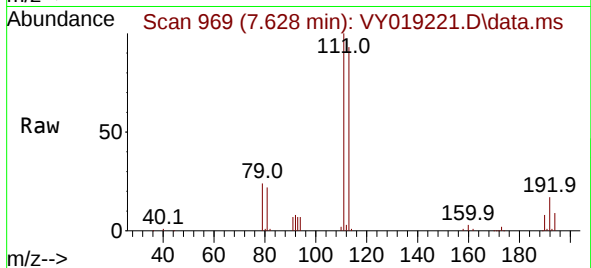
88 14.5 0.0 27.2



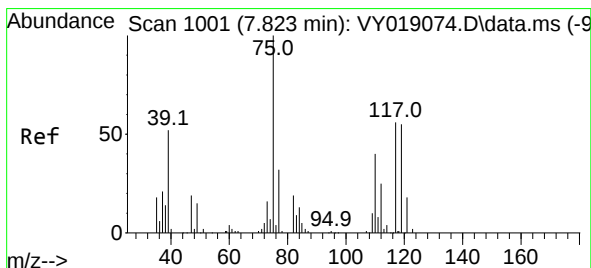
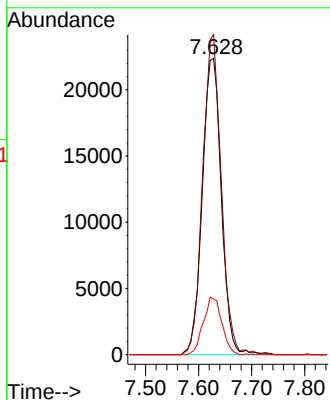
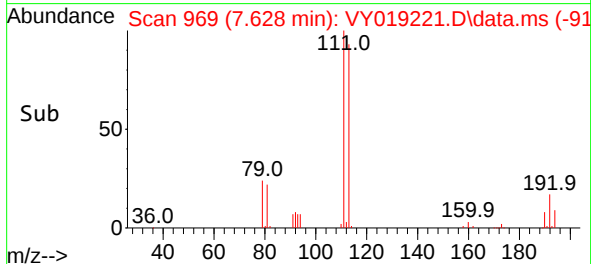


#35
Dibromofluoromethane
Concen: 49.303 ug/l
RT: 7.628 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019221.D
Acq: 22 Aug 2024 15:32

Instrument :
MSVOA_Y
ClientSampleId :

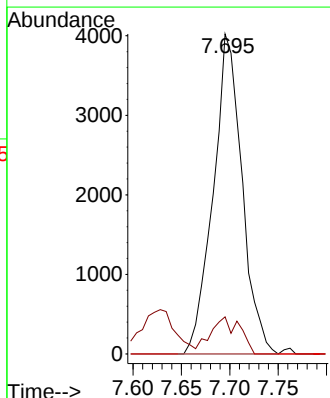
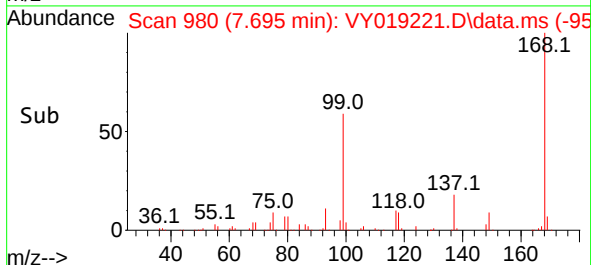
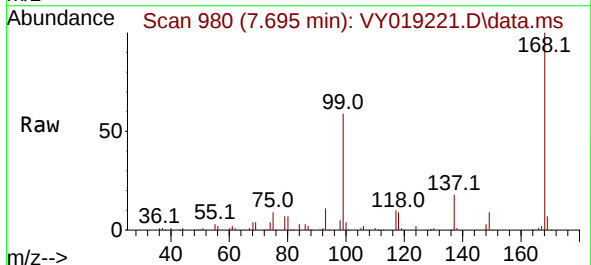


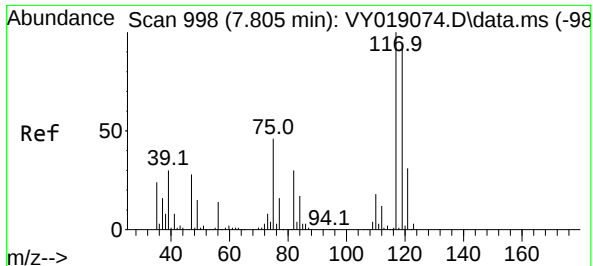
Tgt Ion:113 Resp: 55748
Ion Ratio Lower Upper
113 100
111 105.4 82.2 123.4
192 18.8 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.368 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY019221.D
Acq: 22 Aug 2024 15:32

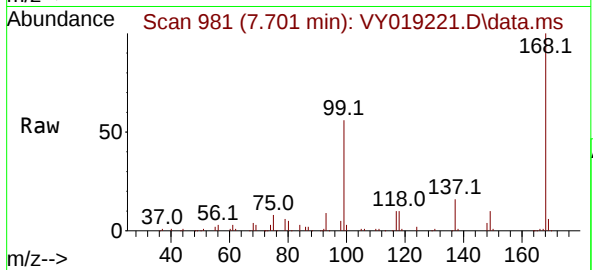
Tgt Ion: 75 Resp: 8335
Ion Ratio Lower Upper
75 100
110 11.6 19.0 57.0#
77 0.0 25.3 37.9#



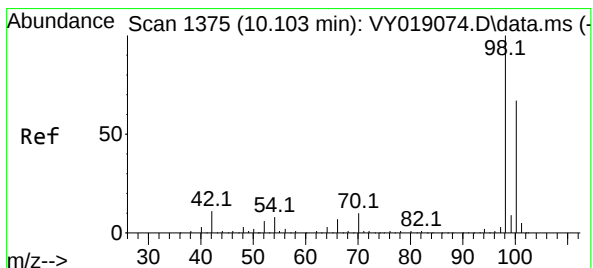
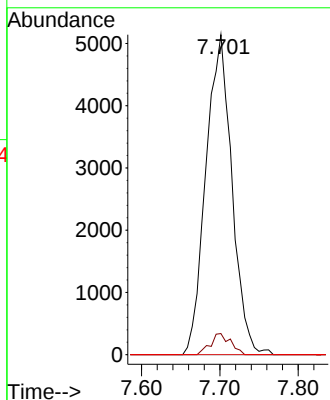
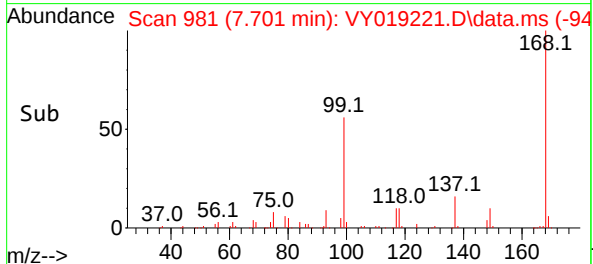


#38
Carbon Tetrachloride
Concen: 6.598 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY019221.D
Acq: 22 Aug 2024 15:32

Instrument :
MSVOA_Y
ClientSampleId :

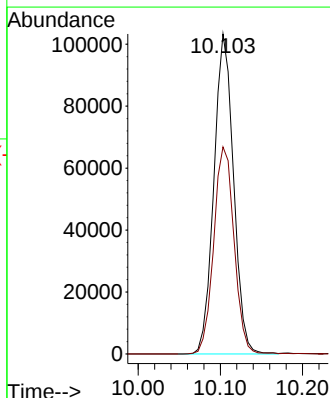
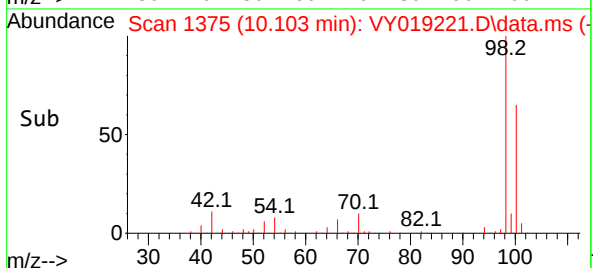
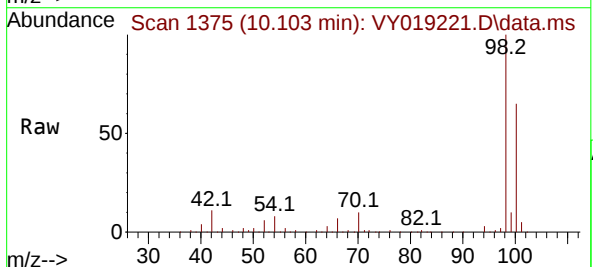


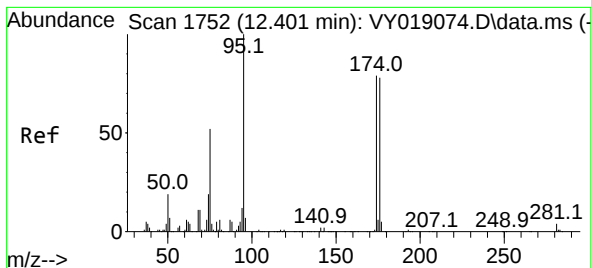
Tgt Ion:117 Resp: 11872
Ion Ratio Lower Upper
117 100
119 6.6 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 42.149 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019221.D
Acq: 22 Aug 2024 15:32

Tgt Ion: 98 Resp: 171509
Ion Ratio Lower Upper
98 100
100 67.0 52.0 78.0

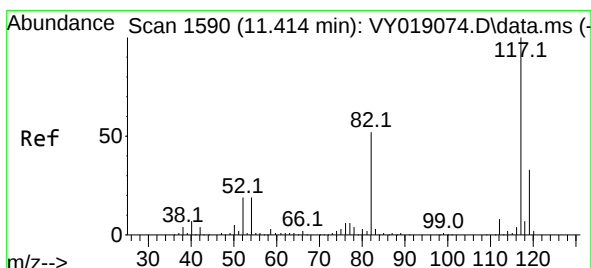
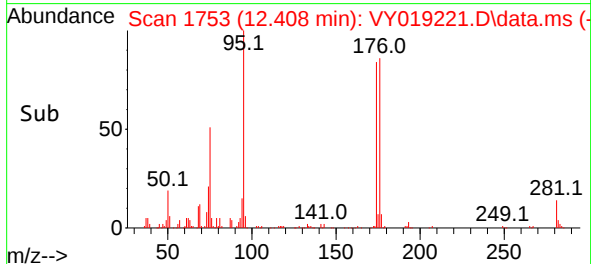
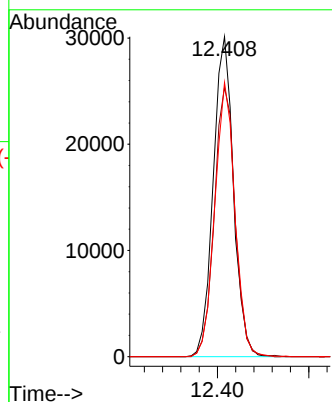
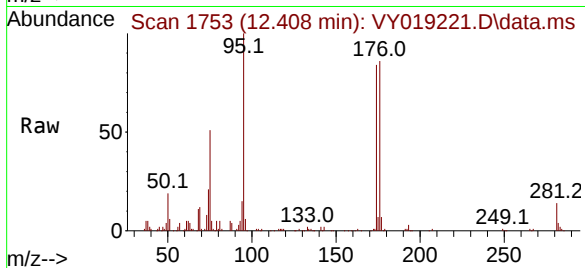




#62
4-Bromofluorobenzene
Concen: 33.367 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019221.D
Acq: 22 Aug 2024 15:32

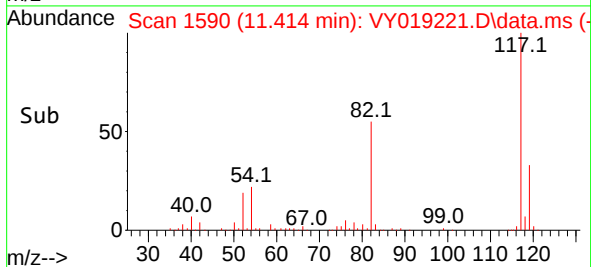
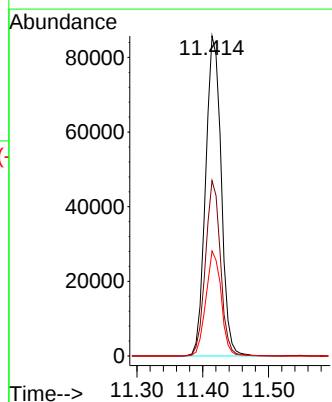
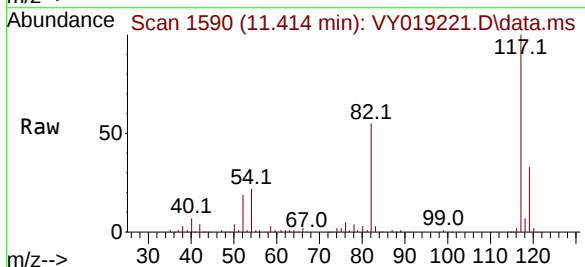
Instrument :
MSVOA_Y
ClientSampleId :

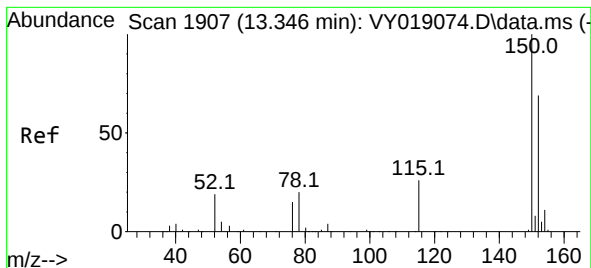
Tgt Ion: 95 Resp: 46285
Ion Ratio Lower Upper
95 100
174 86.3 0.0 175.6
176 85.2 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY019221.D
Acq: 22 Aug 2024 15:32

Tgt Ion: 117 Resp: 141428
Ion Ratio Lower Upper
117 100
82 54.8 42.4 63.6
119 32.8 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: VY019221.D

Acq: 22 Aug 2024 15:32

Instrument :

MSVOA_Y

ClientSampleId :

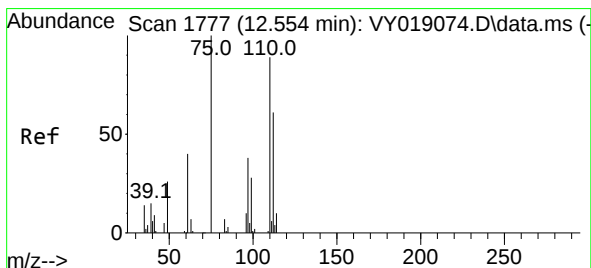
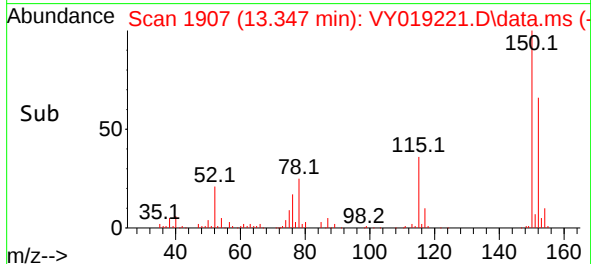
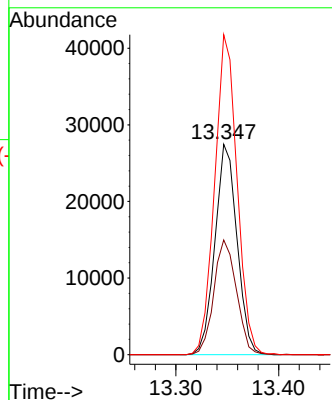
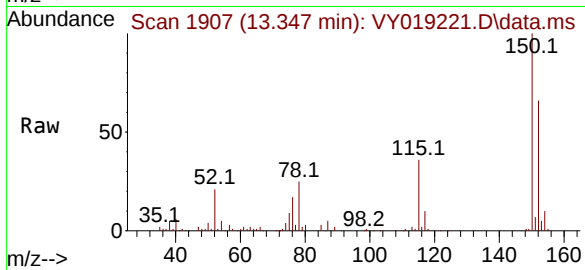
Tgt Ion:152 Resp: 40948

Ion Ratio Lower Upper

152 100

115 55.9 28.2 84.7

150 154.3 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 63.040 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019221.D

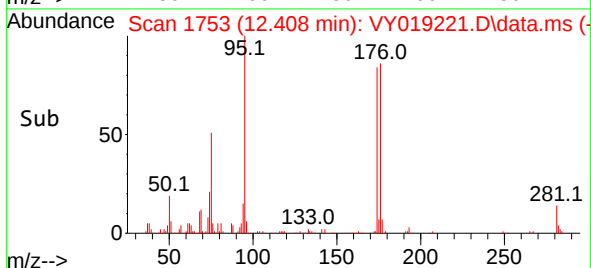
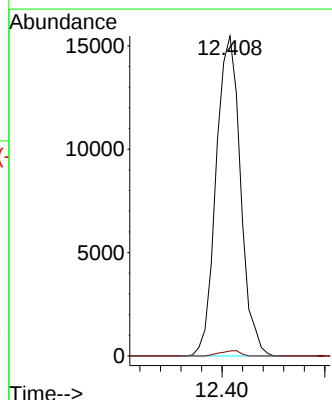
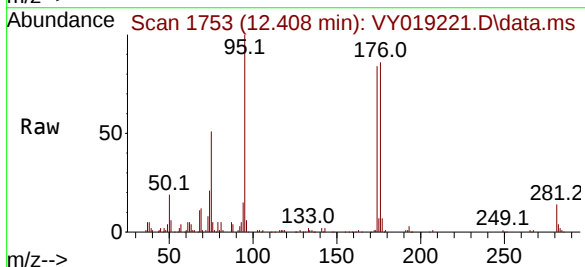
Acq: 22 Aug 2024 15:32

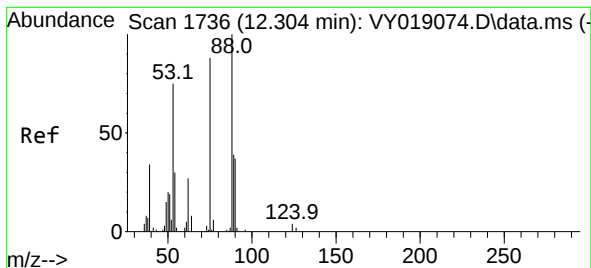
Tgt Ion: 75 Resp: 25457

Ion Ratio Lower Upper

75 100

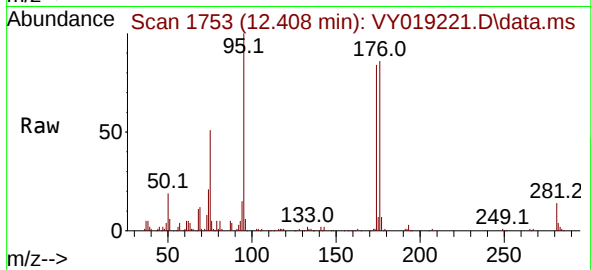
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 155.688 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY019221.D
 Acq: 22 Aug 2024 15:32

Instrument :
 MSVOA_Y
 ClientSampleId :



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

