

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082124\
 Data File : VY019192.D
 Acq On : 22 Aug 2024 02:11
 Operator : SY/MD
 Sample : VY0821SBL02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 22 03:47:17 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)

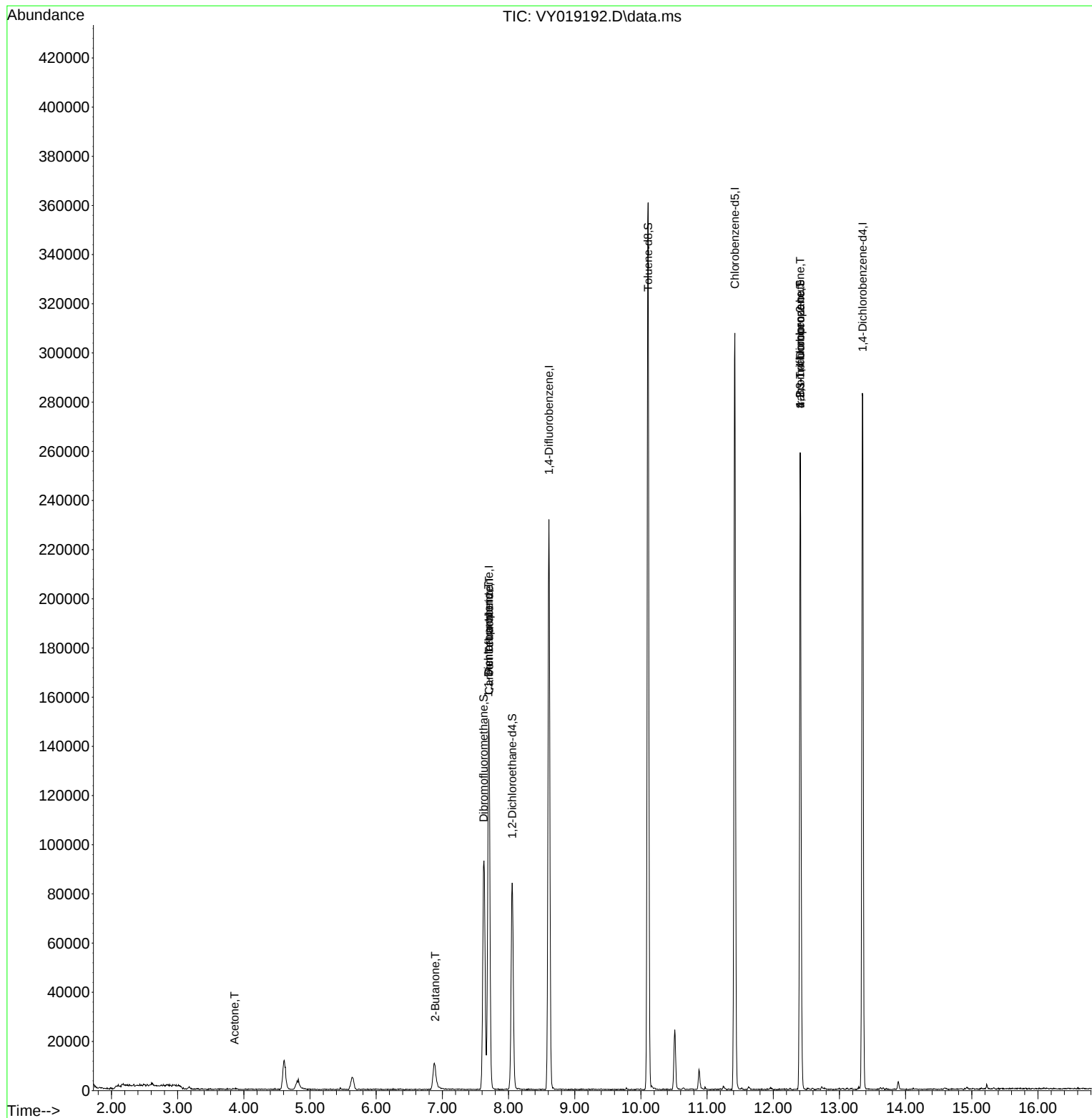
Internal Standards						
1) Pentafluorobenzene	7.701	168	118099	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	198889	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	166968	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	72810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	67459	56.983	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.960%	
35) Dibromofluoromethane	7.622	113	67145	51.632	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.260%	
50) Toluene-d8	10.109	98	231729	49.516	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.040%	
62) 4-Bromofluorobenzene	12.408	95	72570	45.488	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 90.980%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.604	94	623	Below Cal		85
6) Chloroethane	2.733	64	44	Below Cal	#	42
11) Tert butyl alcohol	4.824	59	2257	Below Cal	#	88
13) Acrolein	3.647	56	40	Below Cal	#	15
16) Acetone	3.860	43	486	2.214	ug/l #	36
20) Methylene Chloride	4.610	84	8305	Below Cal	#	81
25) 2-Butanone	6.890	43	796	2.251	ug/l	91
31) Cyclohexane	7.707	56	2663	Below Cal	#	33
36) 1,1-Dichloropropene	7.695	75	9163	5.131	ug/l #	48
38) Carbon Tetrachloride	7.707	117	12016	5.806	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	39969	55.664	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	39969	137.472	ug/l #	16

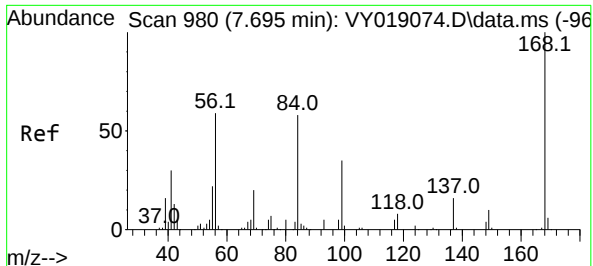
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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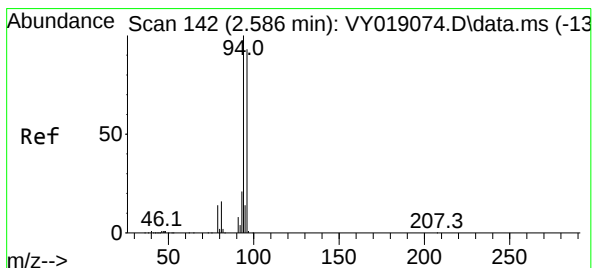
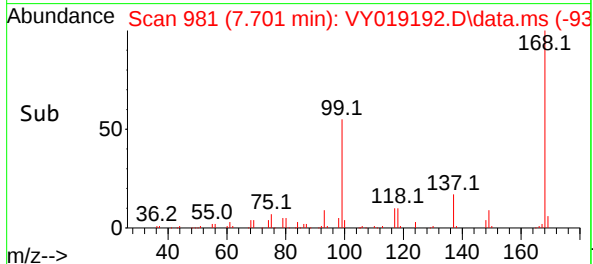
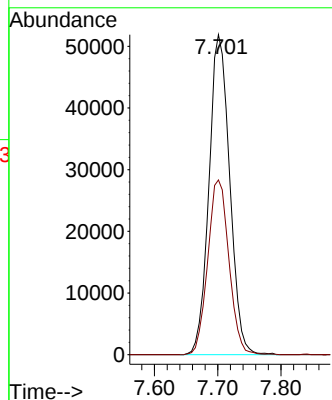
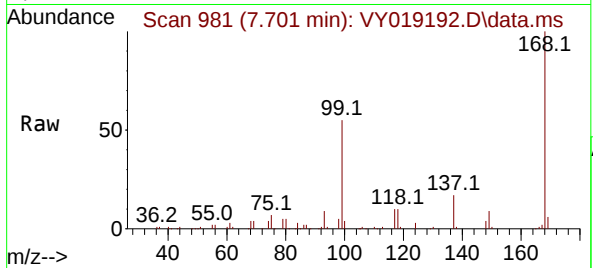




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019192.D
Acq: 22 Aug 2024 02:11

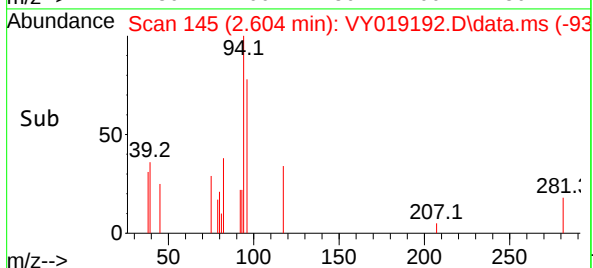
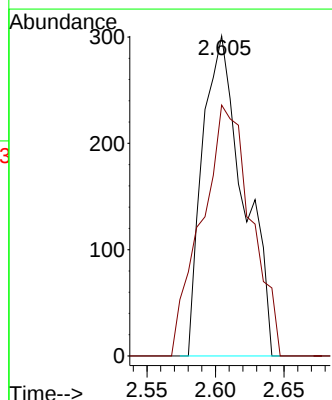
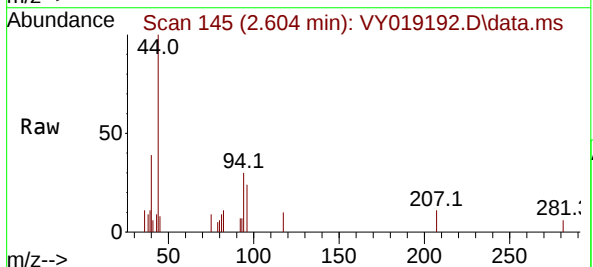
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 118099
Ion Ratio Lower Upper
168 100
99 54.6 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.604 min Scan# 145
Delta R.T. 0.018 min
Lab File: VY019192.D
Acq: 22 Aug 2024 02:11

Tgt Ion: 94 Resp: 623
Ion Ratio Lower Upper
94 100
96 78.4 74.1 111.1





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.824 min Scan# 509

Delta R.T. -0.018 min

Lab File: VY019192.D

Acq: 22 Aug 2024 02:11

Instrument :

MSVOA_Y

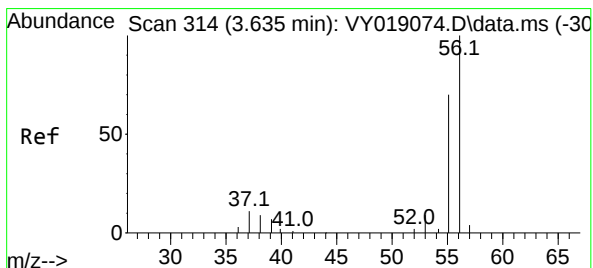
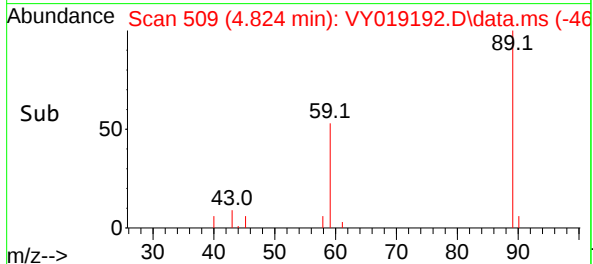
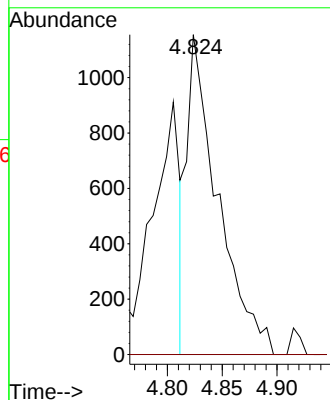
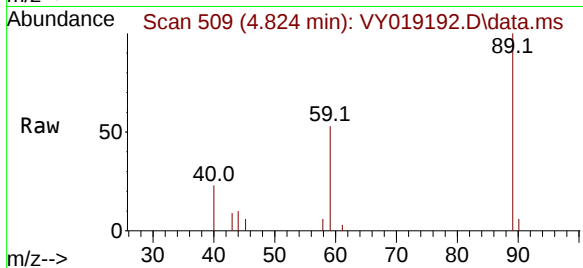
ClientSampleId :

Tgt Ion: 59 Resp: 2257

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.647 min Scan# 316

Delta R.T. 0.012 min

Lab File: VY019192.D

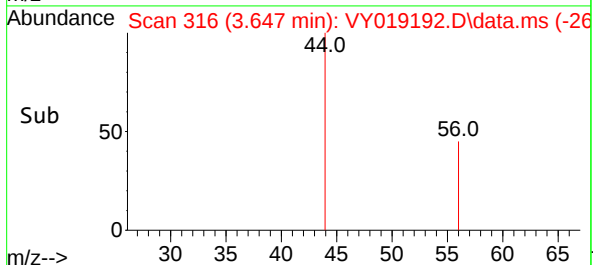
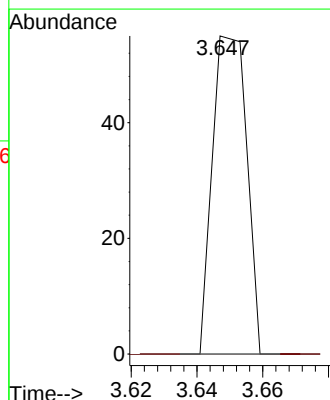
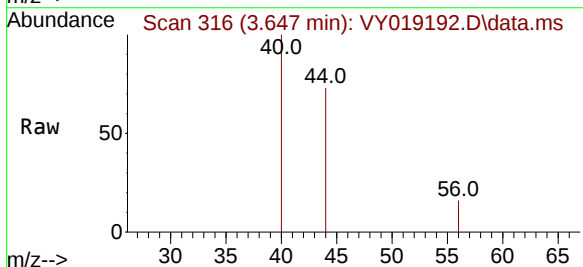
Acq: 22 Aug 2024 02:11

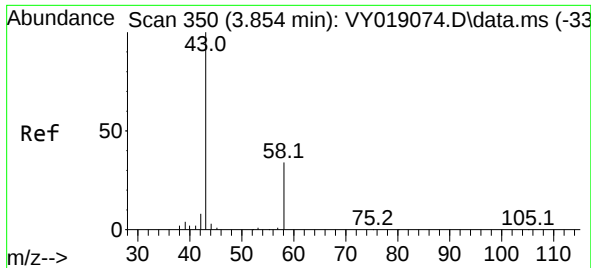
Tgt Ion: 56 Resp: 40

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#





#16

Acetone

Concen: 2.214 ug/l

RT: 3.860 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY019192.D

Acq: 22 Aug 2024 02:11

Instrument :

MSVOA_Y

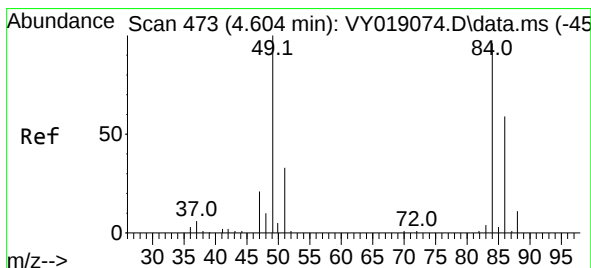
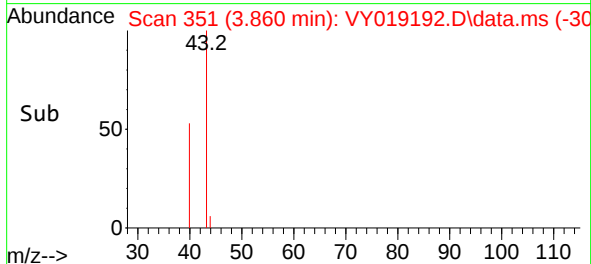
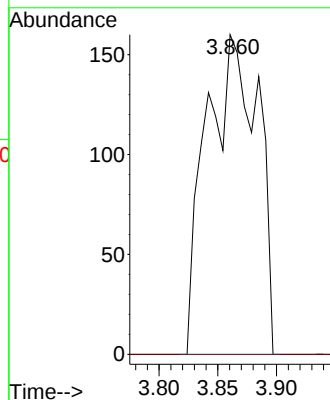
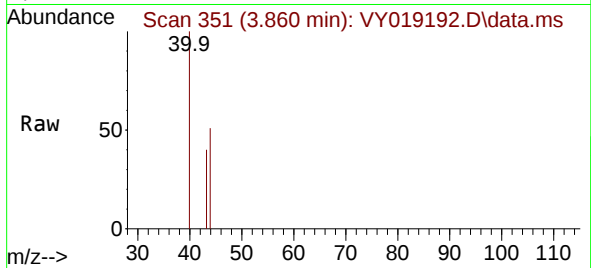
ClientSampleId :

Tgt Ion: 43 Resp: 486

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.610 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY019192.D

Acq: 22 Aug 2024 02:11

Tgt Ion: 84 Resp: 8305

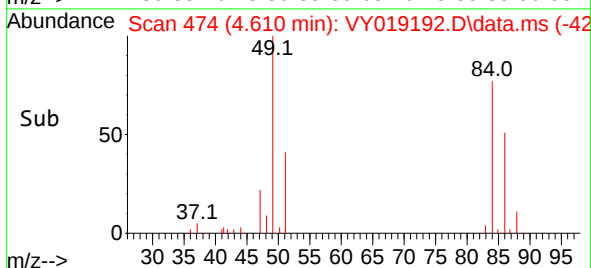
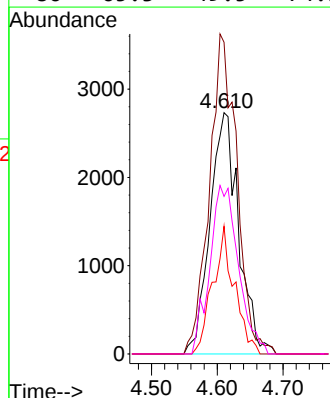
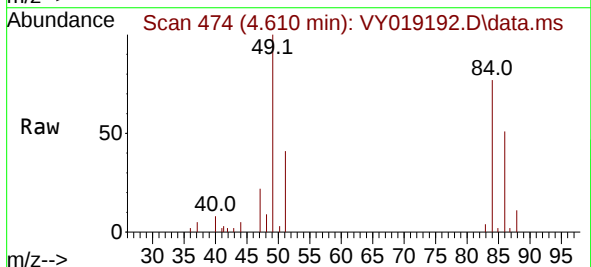
Ion Ratio Lower Upper

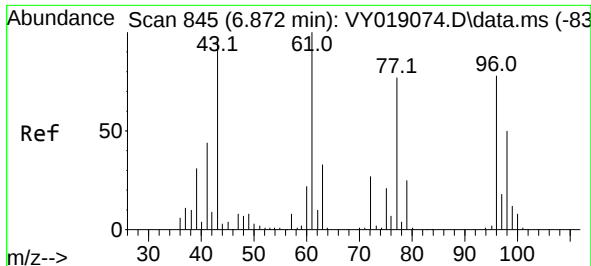
84 100

49 129.2 84.4 126.6#

51 52.9 26.0 39.0#

86 65.3 49.5 74.3





#25

2-Butanone

Concen: 2.251 ug/l

RT: 6.890 min Scan# 845

Delta R.T. 0.019 min

Lab File: VY019192.D

Acq: 22 Aug 2024 02:11

Instrument :

MSVOA_Y

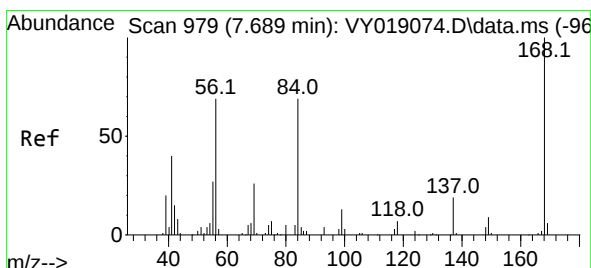
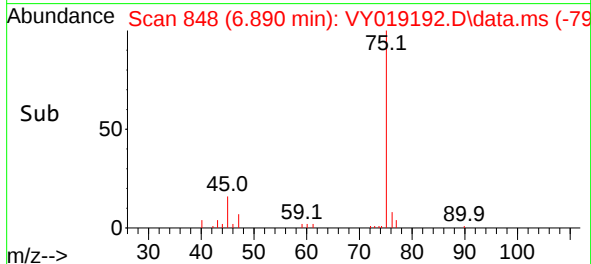
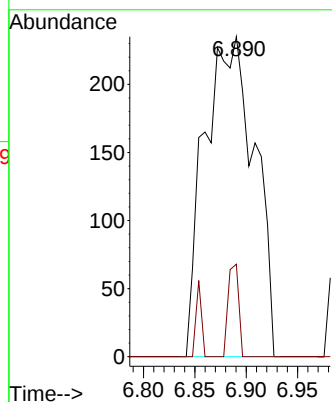
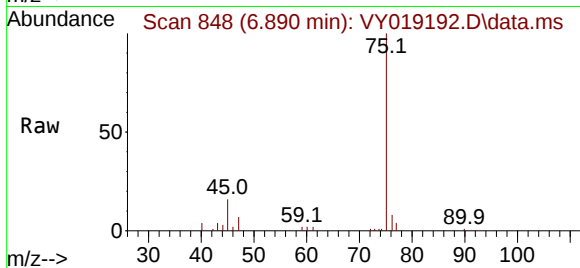
ClientSampleId :

Tgt Ion: 43 Resp: 796

Ion Ratio Lower Upper

43 100

72 28.9 27.3 40.9



#31

Cyclohexane

Concen: Below Cal

RT: 7.707 min Scan# 982

Delta R.T. 0.018 min

Lab File: VY019192.D

Acq: 22 Aug 2024 02:11

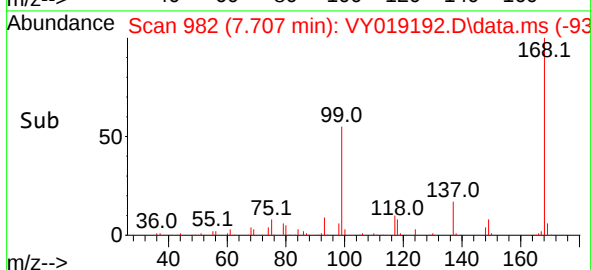
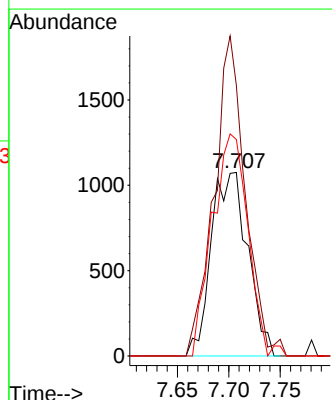
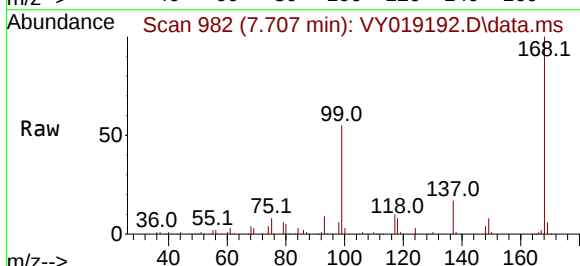
Tgt Ion: 56 Resp: 2663

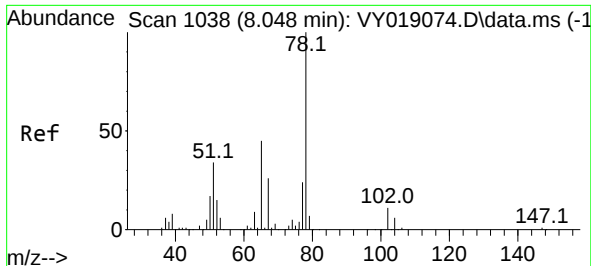
Ion Ratio Lower Upper

56 100

69 147.4 28.7 43.1#

84 118.0 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 56.983 ug/l

RT: 8.055 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY019192.D

Acq: 22 Aug 2024 02:11

Instrument :

MSVOA_Y

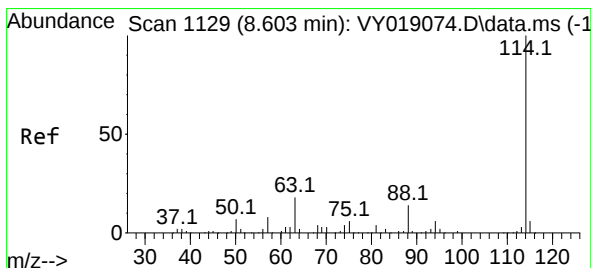
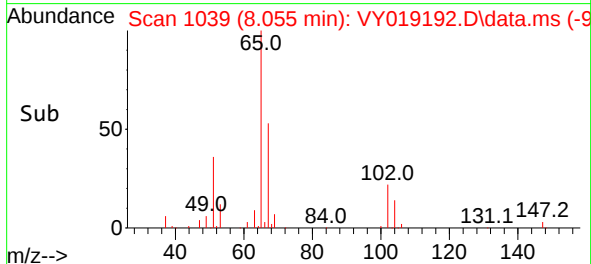
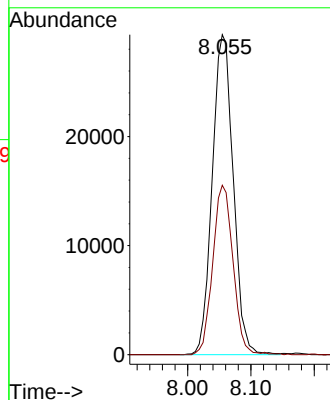
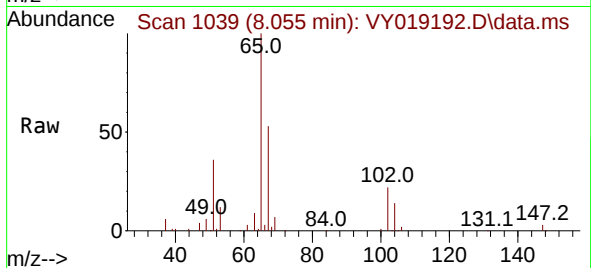
ClientSampleId :

Tgt Ion: 65 Resp: 67459

Ion Ratio Lower Upper

65 100

67 51.2 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: VY019192.D

Acq: 22 Aug 2024 02:11

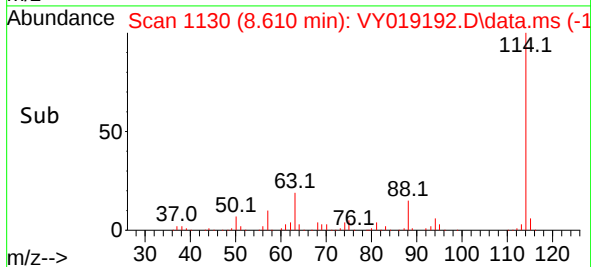
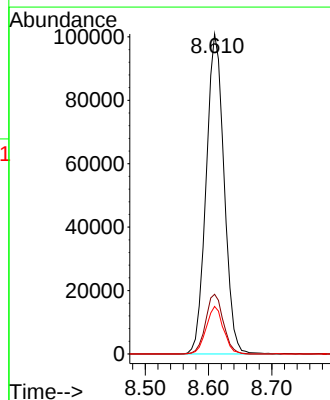
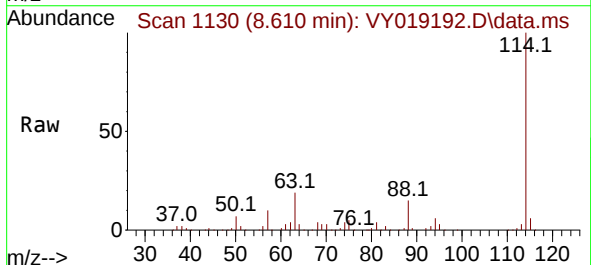
Tgt Ion:114 Resp: 198889

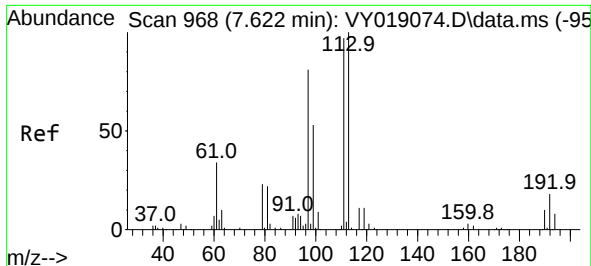
Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.0

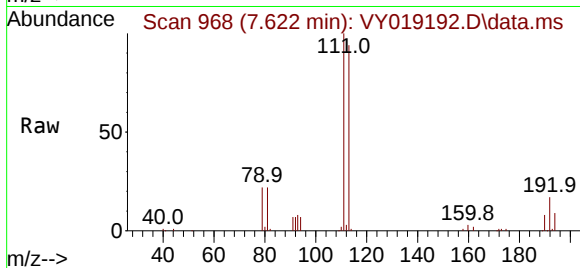
88 14.9 0.0 27.2



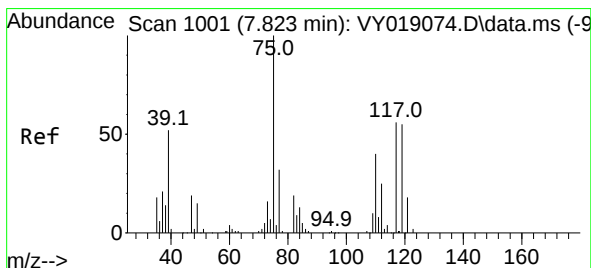
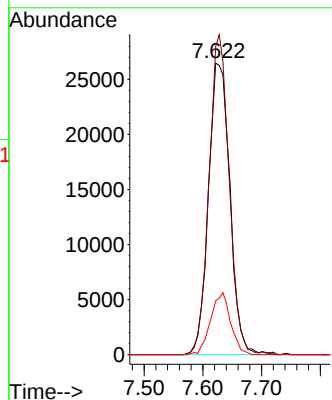
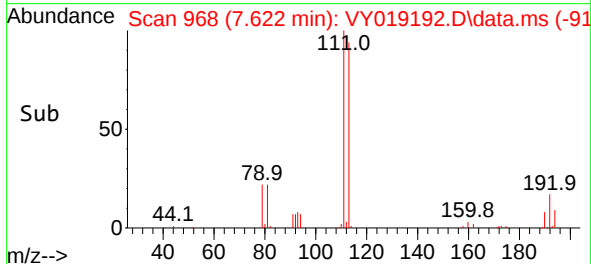


#35
Dibromofluoromethane
Concen: 51.632 ug/l
RT: 7.622 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY019192.D
Acq: 22 Aug 2024 02:11

Instrument :
MSVOA_Y
ClientSampleId :

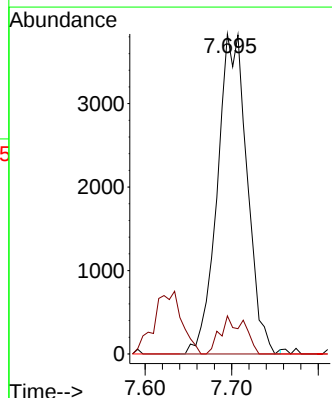
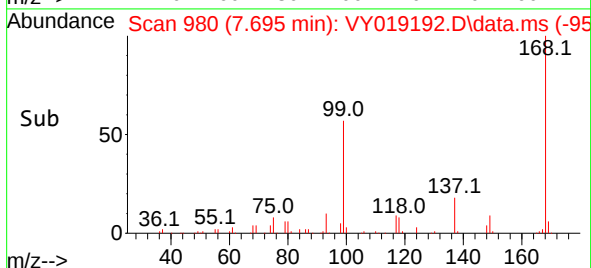
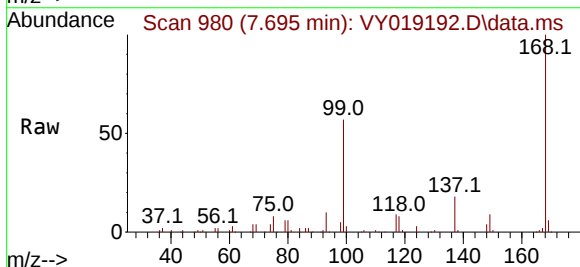


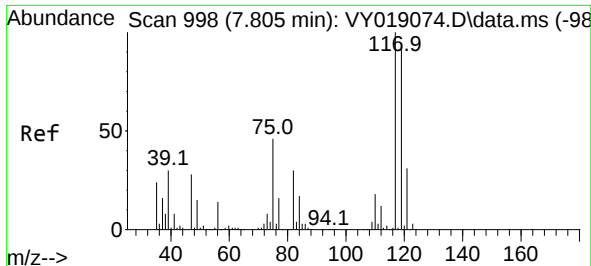
Tgt Ion:113 Resp: 67145
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.4
192 19.8 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.131 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY019192.D
Acq: 22 Aug 2024 02:11

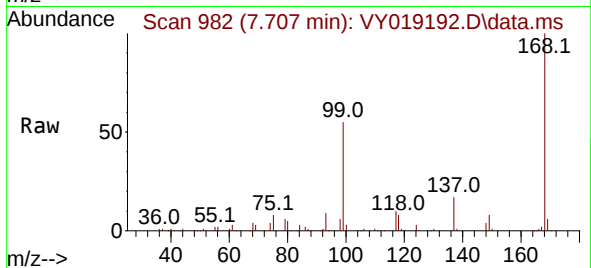
Tgt Ion: 75 Resp: 9163
Ion Ratio Lower Upper
75 100
110 9.6 19.0 57.0#
77 0.0 25.3 37.9#



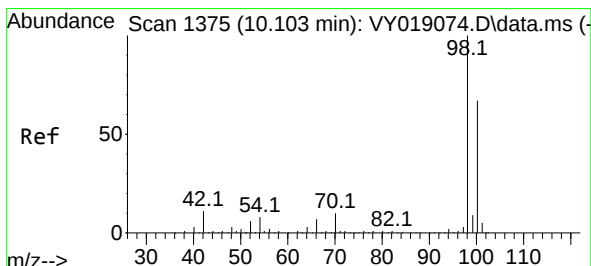
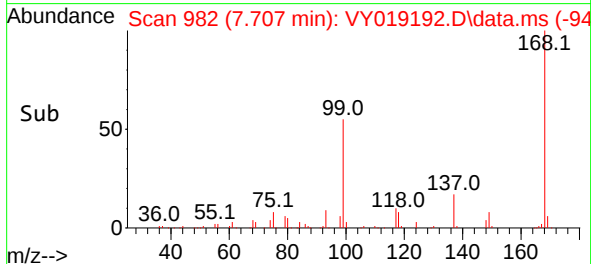
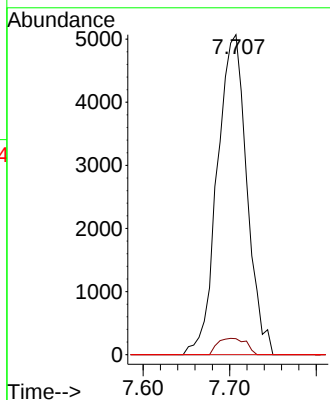


#38
Carbon Tetrachloride
Concen: 5.806 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.097 min
Lab File: VY019192.D
Acq: 22 Aug 2024 02:11

Instrument :
MSVOA_Y
ClientSampleId :

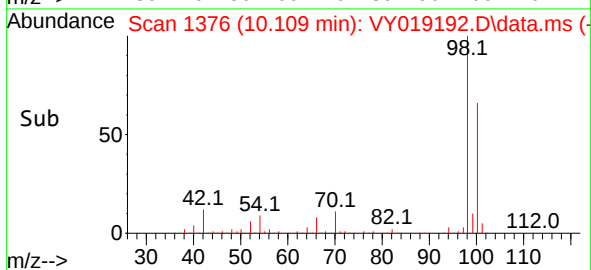
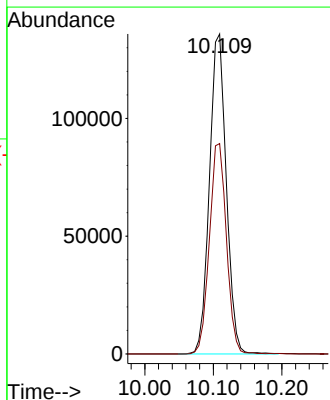
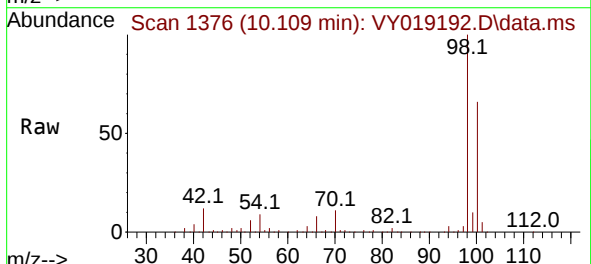


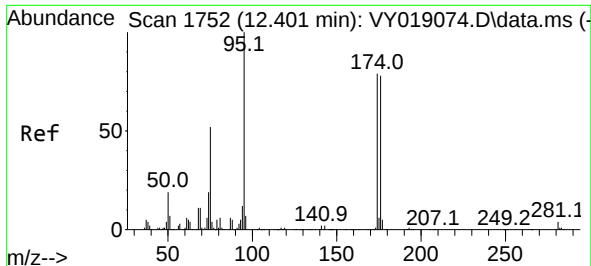
Tgt Ion:117 Resp: 12016
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 49.516 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY019192.D
Acq: 22 Aug 2024 02:11

Tgt Ion: 98 Resp: 231729
Ion Ratio Lower Upper
98 100
100 66.5 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 45.488 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY019192.D

Acq: 22 Aug 2024 02:11

Instrument :

MSVOA_Y

ClientSampleId :

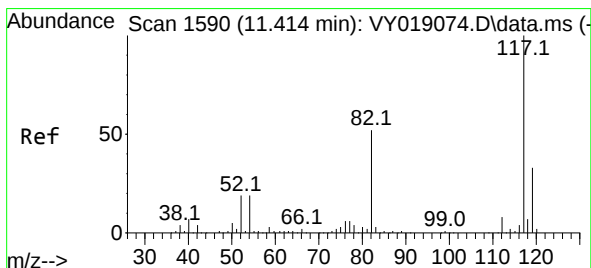
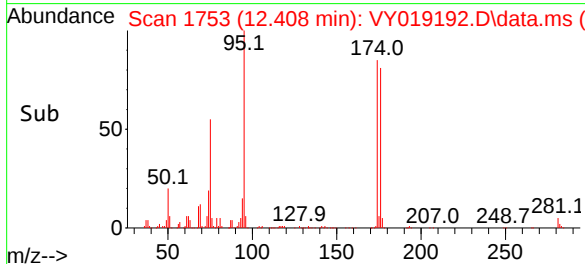
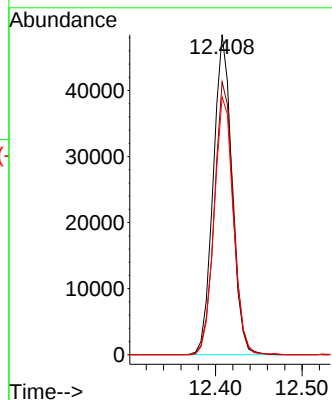
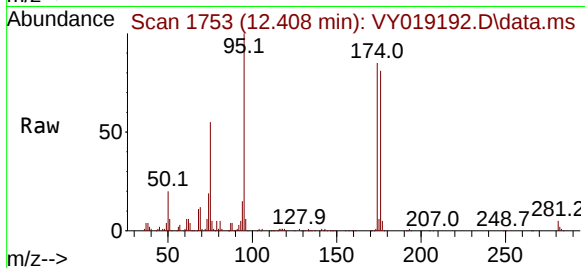
Tgt Ion: 95 Resp: 72570

Ion Ratio Lower Upper

95 100

174 87.1 0.0 175.6

176 82.7 0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY019192.D

Acq: 22 Aug 2024 02:11

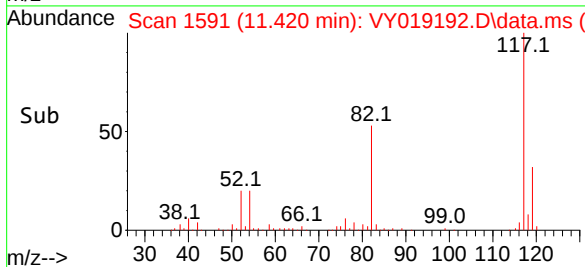
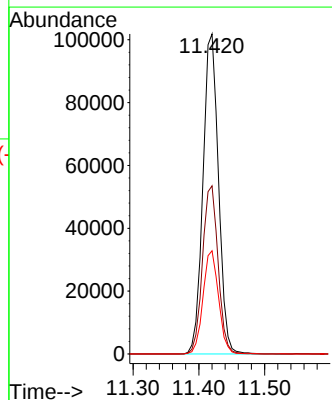
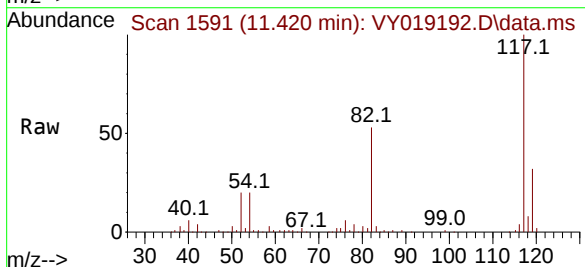
Tgt Ion: 117 Resp: 166968

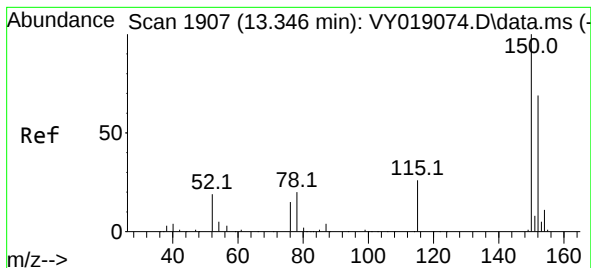
Ion Ratio Lower Upper

117 100

82 52.5 42.4 63.6

119 32.3 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: VY019192.D

Acq: 22 Aug 2024 02:11

Instrument :

MSVOA_Y

ClientSampleId :

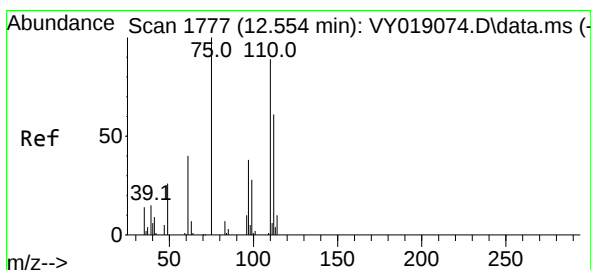
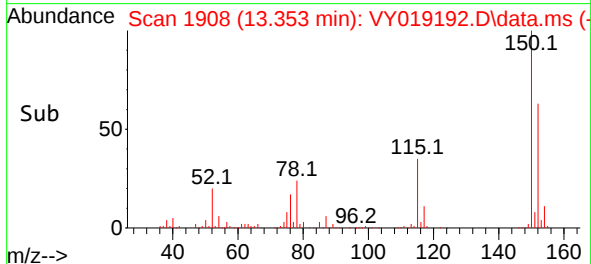
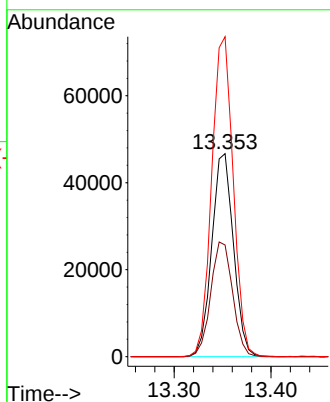
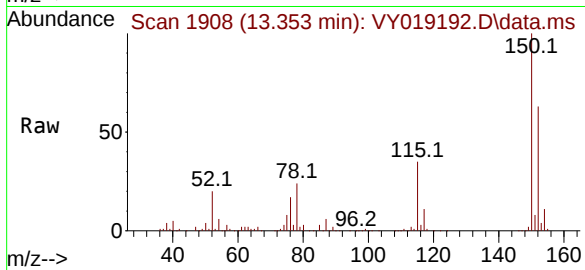
Tgt Ion:152 Resp: 72810

Ion Ratio Lower Upper

152 100

115 57.1 28.2 84.7

150 155.8 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 55.664 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019192.D

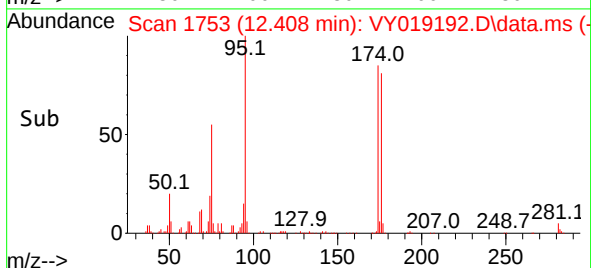
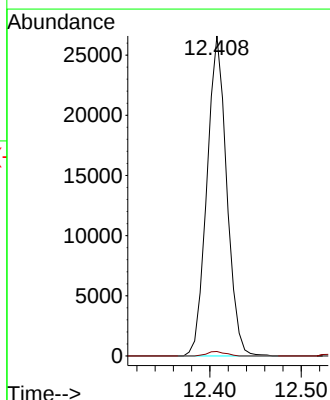
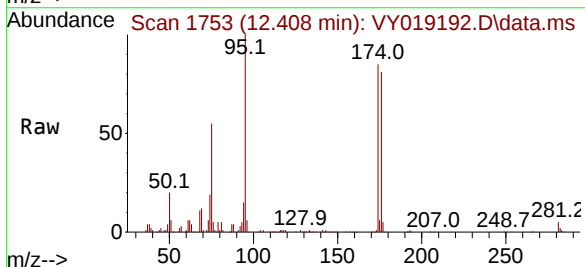
Acq: 22 Aug 2024 02:11

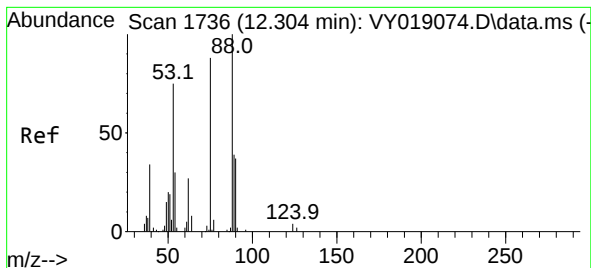
Tgt Ion: 75 Resp: 39969

Ion Ratio Lower Upper

75 100

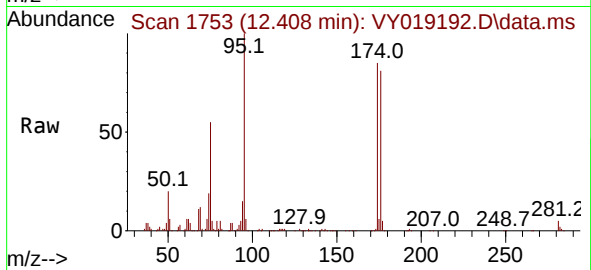
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.472 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY019192.D
 Acq: 22 Aug 2024 02:11

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.8	100.2#
89	0.3	35.8	53.6#

