

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082324\
 Data File : VY019259.D
 Acq On : 23 Aug 2024 15:53
 Operator : SY/MD
 Sample : P3663-11
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 23 22:58:42 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)

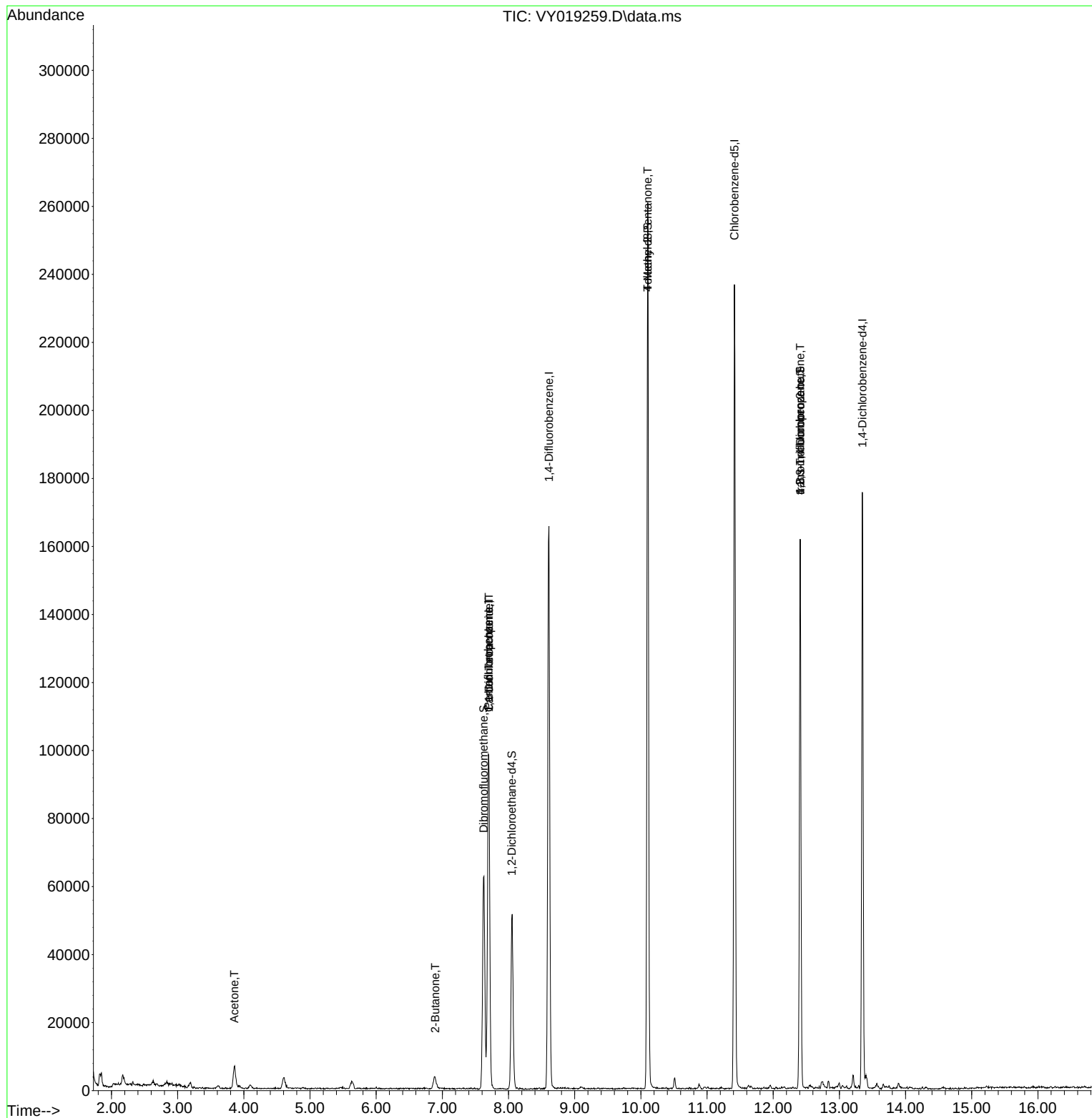
Internal Standards						
1) Pentafluorobenzene	7.695	168	81245	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	147764	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	127463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	43462	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	40223	49.389	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.780%
35) Dibromofluoromethane	7.622	113	44804	46.373	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.740%
50) Toluene-d8	10.103	98	164598	47.340	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.680%
62) 4-Bromofluorobenzene	12.407	95	47263	39.875	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	79.760%
Target Compounds						
					Qvalue	
5) Bromomethane	2.604	94	174	Below Cal	#	74
6) Chloroethane	2.543	64	41	Below Cal	#	42
11) Tert butyl alcohol	4.854	59	39	Below Cal	#	88
16) Acetone	3.854	43	11246	74.459	ug/l #	84
20) Methylene Chloride	4.610	84	2327	Below Cal	#	78
25) 2-Butanone	6.890	43	4192	17.234	ug/l	89
31) Cyclohexane	7.689	56	1641	Below Cal	#	1
36) 1,1-Dichloropropene	7.701	75	6451	4.862	ug/l #	50
38) Carbon Tetrachloride	7.701	117	8201	5.334	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	801	1.270	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	25568	59.653	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	25568	147.322	ug/l #	16

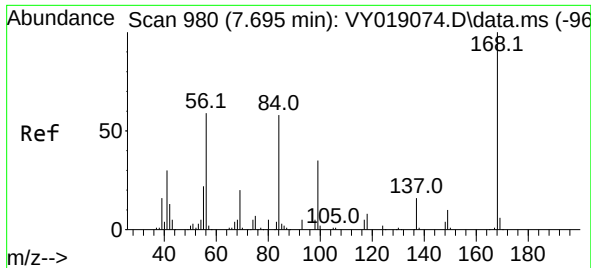
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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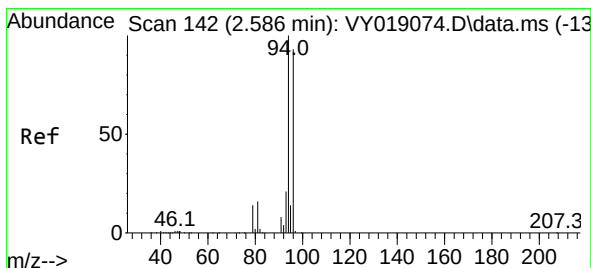
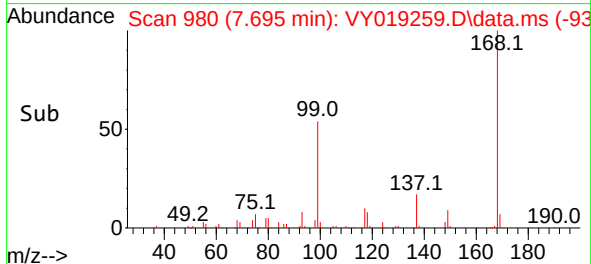
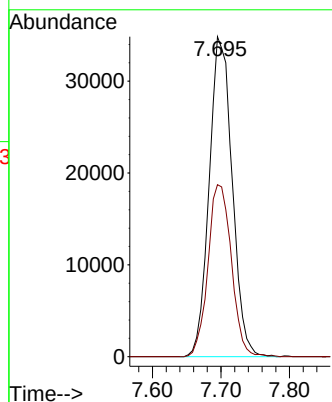
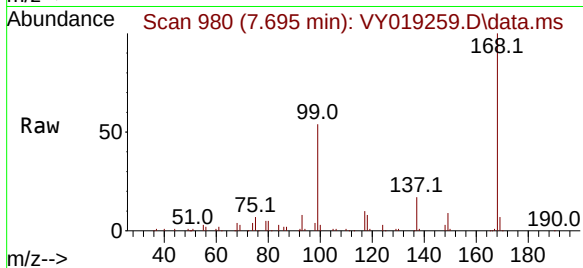




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY019259.D
Acq: 23 Aug 2024 15:53

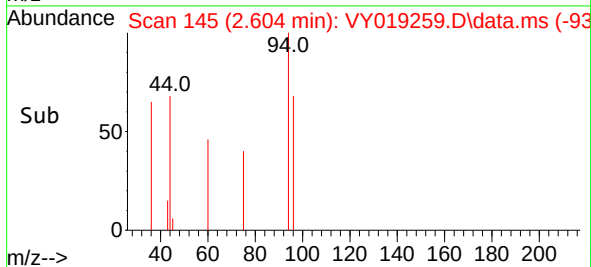
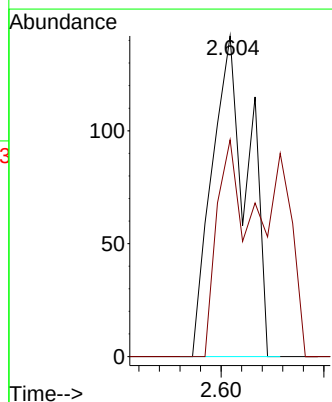
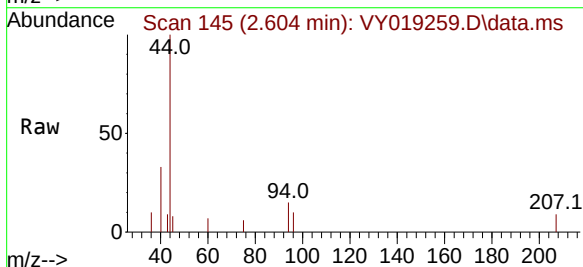
Instrument :
MSVOA_Y
ClientSampleId :

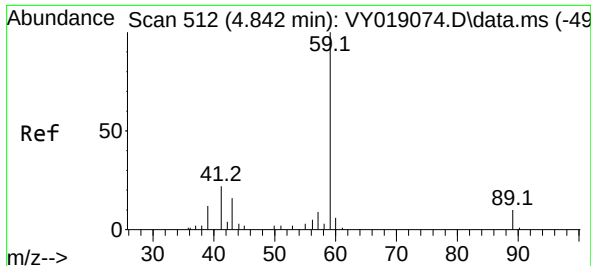
Tgt Ion:168 Resp: 81245
Ion Ratio Lower Upper
168 100
99 53.8 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.604 min Scan# 145
Delta R.T. 0.018 min
Lab File: VY019259.D
Acq: 23 Aug 2024 15:53

Tgt Ion: 94 Resp: 174
Ion Ratio Lower Upper
94 100
96 67.6 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.854 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY019259.D

Acq: 23 Aug 2024 15:53

Instrument :

MSVOA_Y

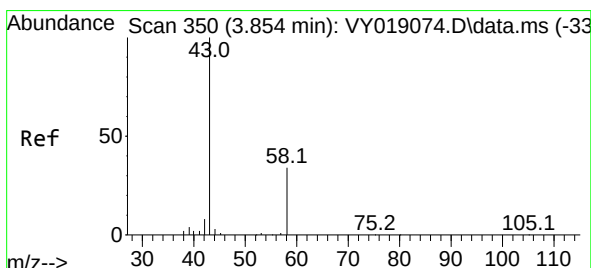
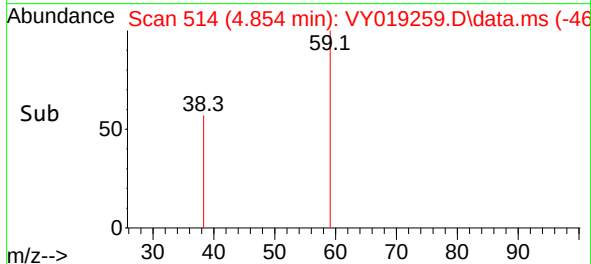
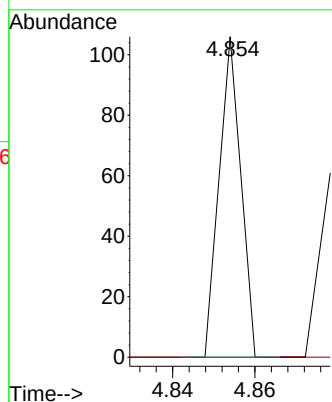
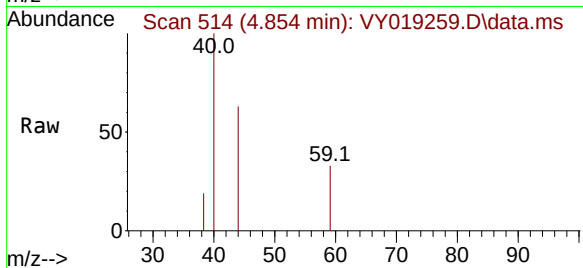
ClientSampleId :

Tgt Ion: 59 Resp: 39

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#16

Acetone

Concen: 74.459 ug/l

RT: 3.854 min Scan# 350

Delta R.T. 0.000 min

Lab File: VY019259.D

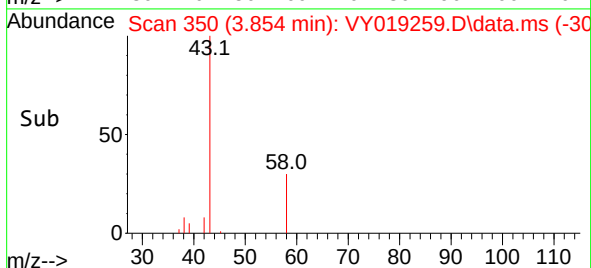
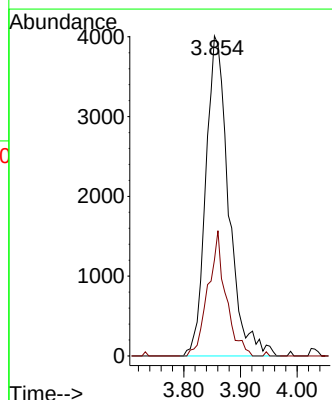
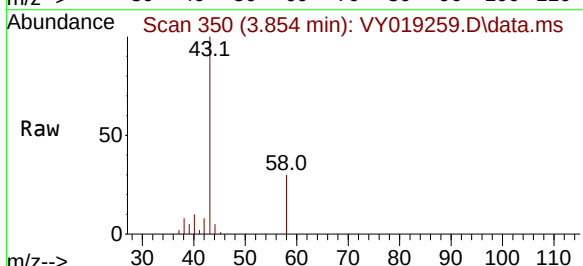
Acq: 23 Aug 2024 15:53

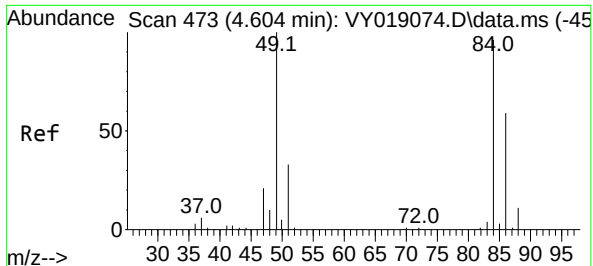
Tgt Ion: 43 Resp: 11246

Ion Ratio Lower Upper

43 100

58 30.0 31.7 47.5#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.610 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY019259.D

Acq: 23 Aug 2024 15:53

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 84 Resp: 2327

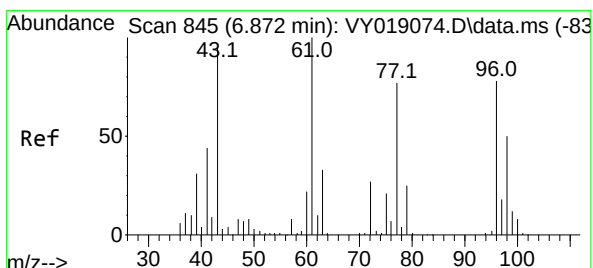
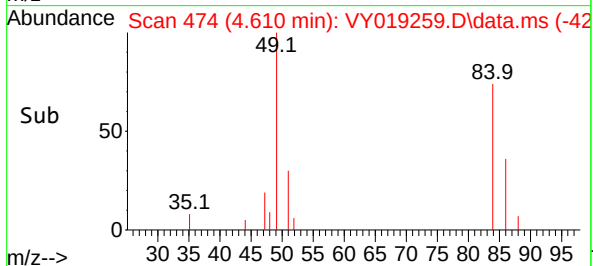
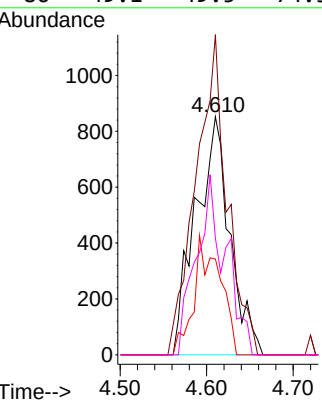
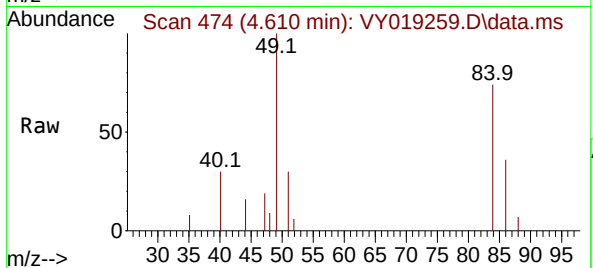
Ion Ratio Lower Upper

84 100

49 134.5 84.4 126.6#

51 40.3 26.0 39.0#

86 49.1 49.5 74.3#



#25

2-Butanone

Concen: 17.234 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.018 min

Lab File: VY019259.D

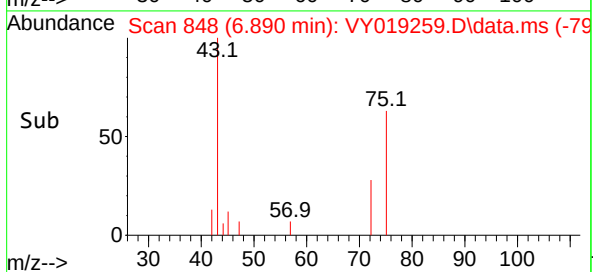
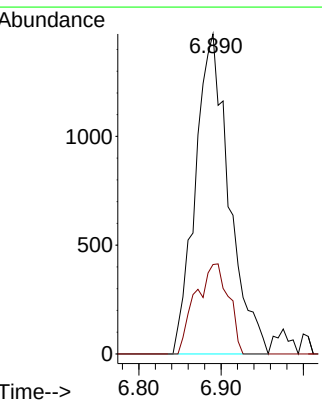
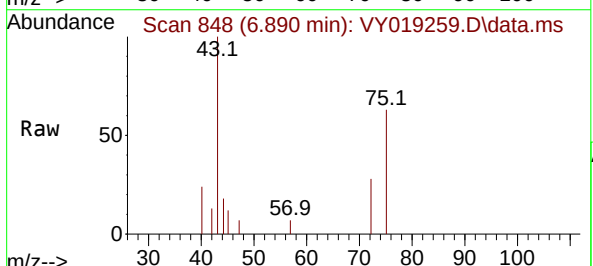
Acq: 23 Aug 2024 15:53

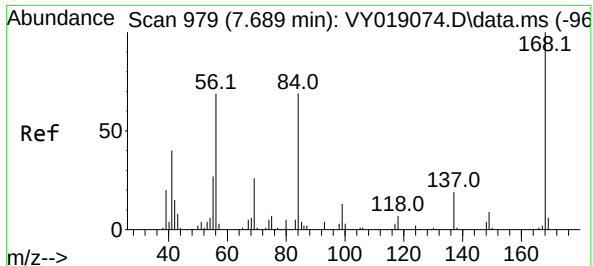
Tgt Ion: 43 Resp: 4192

Ion Ratio Lower Upper

43 100

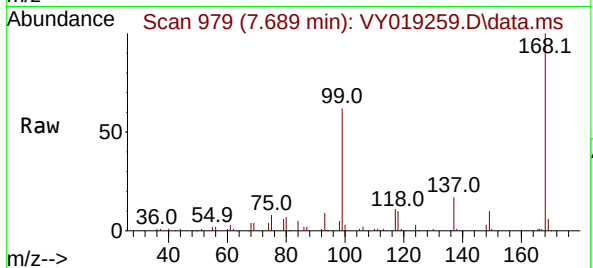
72 27.9 27.3 40.9



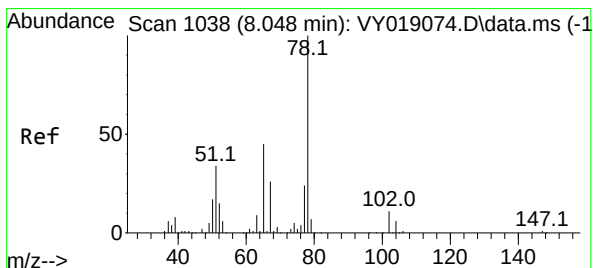
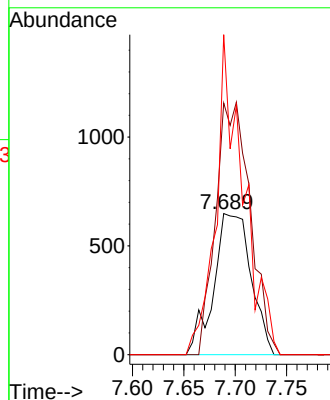
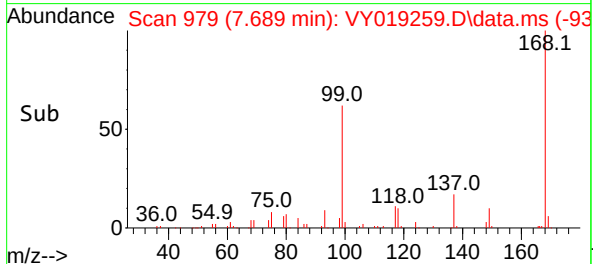


#31
Cyclohexane
Concen: Below Cal
RT: 7.689 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY019259.D
Acq: 23 Aug 2024 15:53

Instrument :
MSVOA_Y
ClientSampleId :

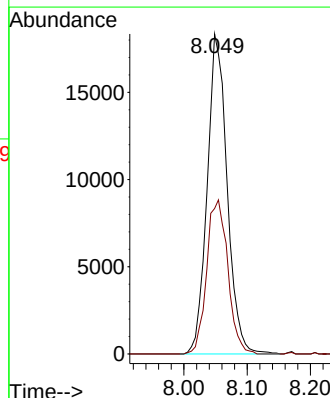
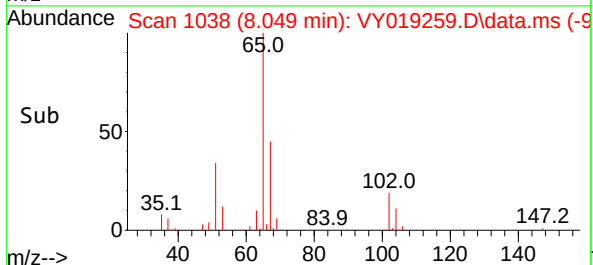
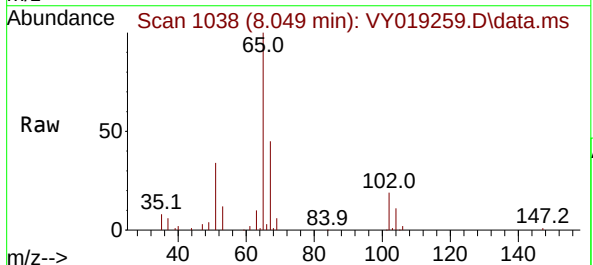


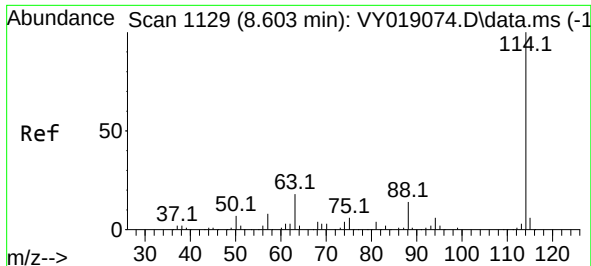
Tgt Ion: 56 Resp: 1641
Ion Ratio Lower Upper
56 100
69 178.3 28.7 43.1#
84 226.7 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 49.389 ug/l
RT: 8.049 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY019259.D
Acq: 23 Aug 2024 15:53

Tgt Ion: 65 Resp: 40223
Ion Ratio Lower Upper
65 100
67 51.0 0.0 109.6

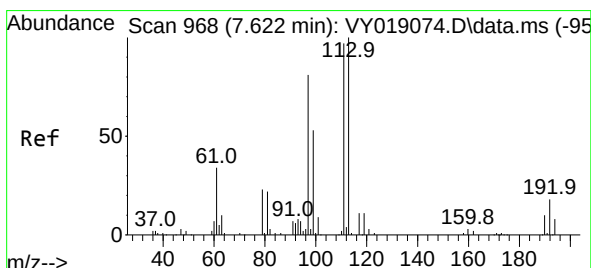
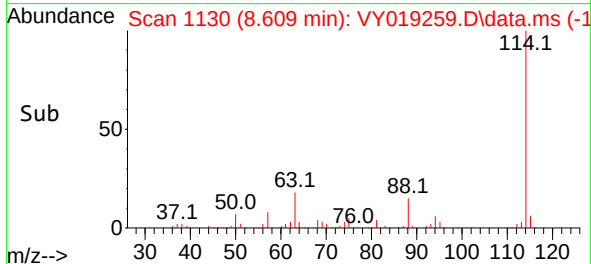
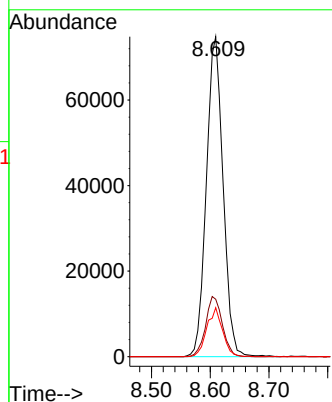
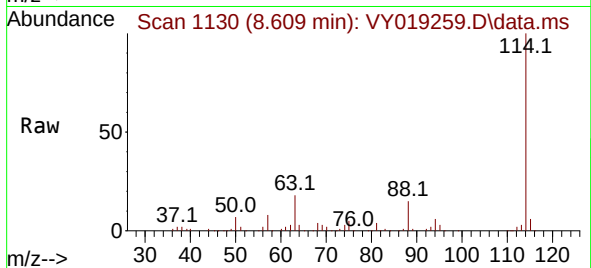




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VY019259.D
Acq: 23 Aug 2024 15:53

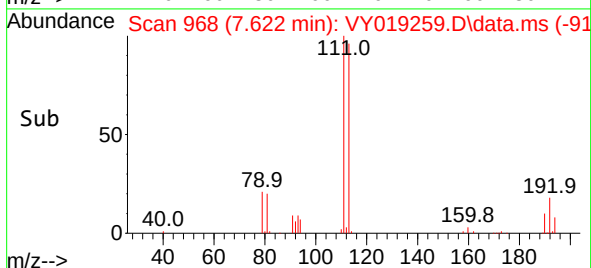
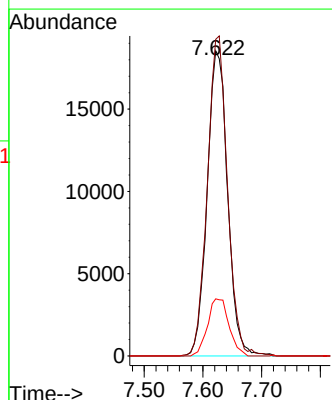
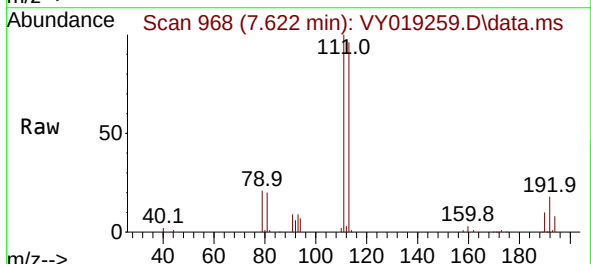
Instrument :
MSVOA_Y
ClientSampleId :

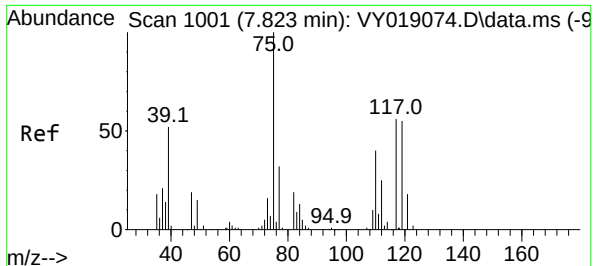
Tgt Ion:114 Resp: 147764
Ion Ratio Lower Upper
114 100
63 18.0 0.0 35.0
88 15.3 0.0 27.2



#35
Dibromofluoromethane
Concen: 46.373 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY019259.D
Acq: 23 Aug 2024 15:53

Tgt Ion:113 Resp: 44804
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.4
192 19.6 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.862 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.122 min

Lab File: VY019259.D

Acq: 23 Aug 2024 15:53

Instrument :

MSVOA_Y

ClientSampleId :

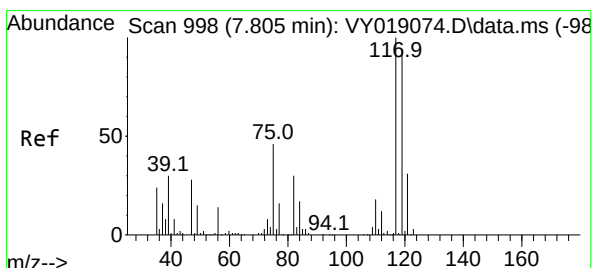
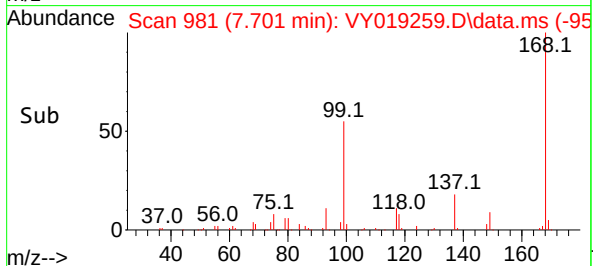
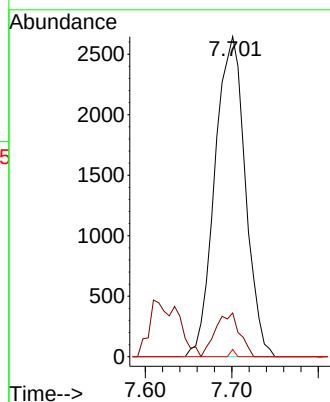
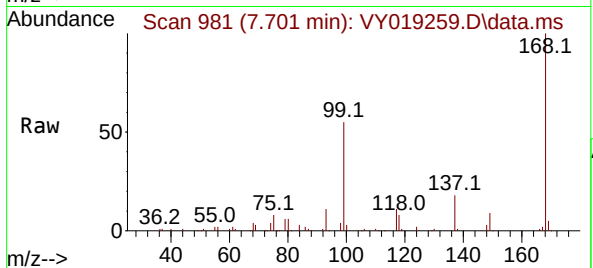
Tgt Ion: 75 Resp: 6451

Ion Ratio Lower Upper

75 100

110 10.9 19.0 57.0#

77 0.3 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.334 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.104 min

Lab File: VY019259.D

Acq: 23 Aug 2024 15:53

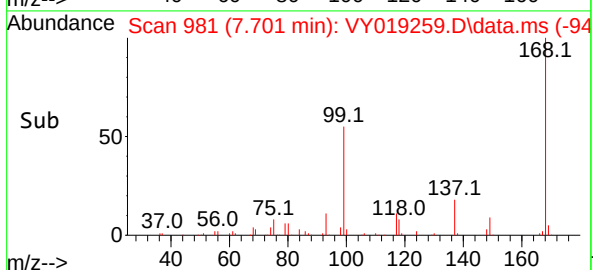
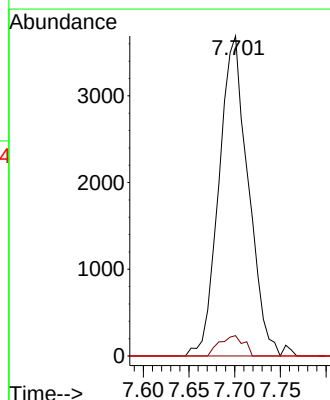
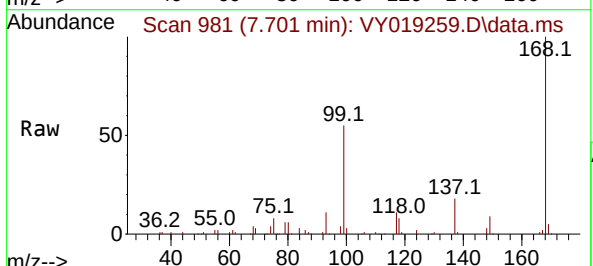
Tgt Ion: 117 Resp: 8201

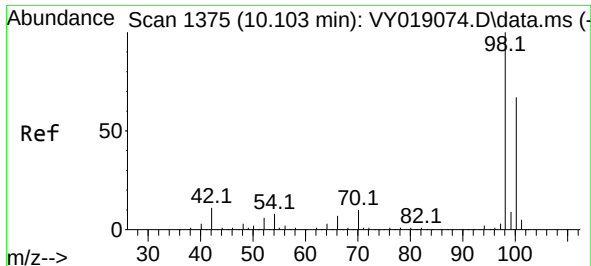
Ion Ratio Lower Upper

117 100

119 6.4 75.8 113.6#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 47.340 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY019259.D

Acq: 23 Aug 2024 15:53

Instrument :

MSVOA_Y

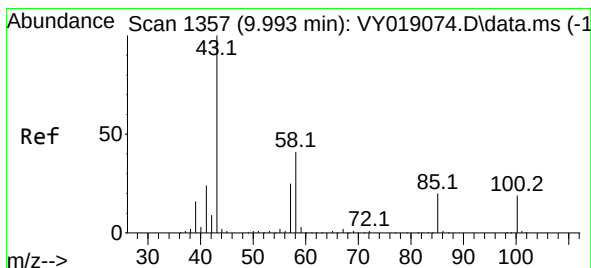
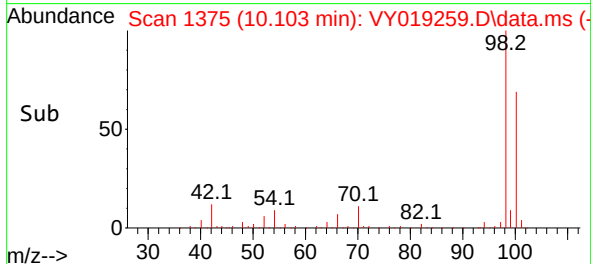
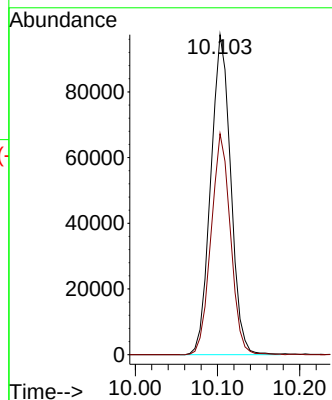
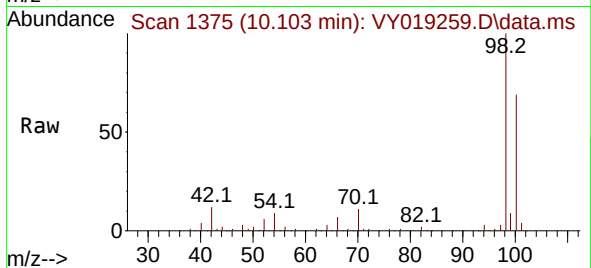
ClientSampleId :

Tgt Ion: 98 Resp: 164598

Ion Ratio Lower Upper

98 100

100 67.0 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.270 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.110 min

Lab File: VY019259.D

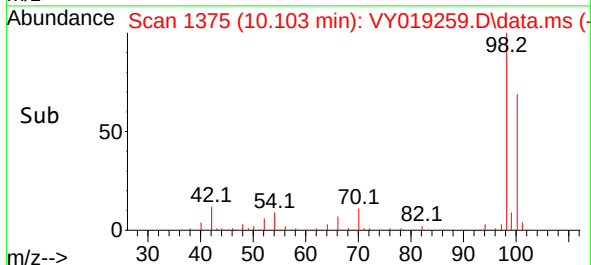
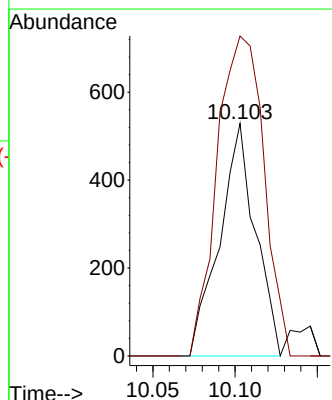
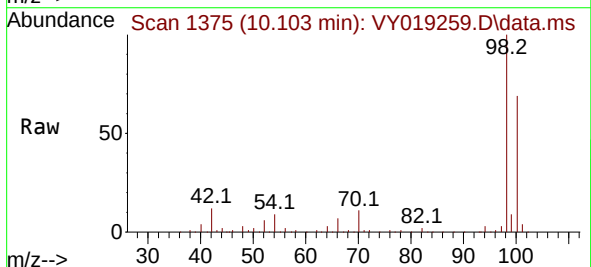
Acq: 23 Aug 2024 15:53

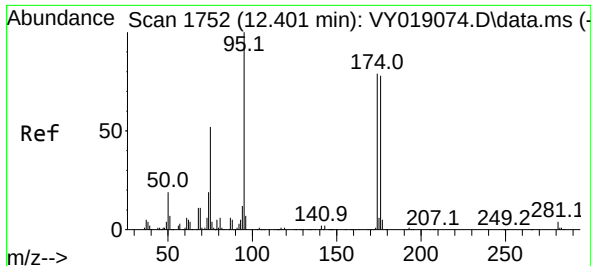
Tgt Ion: 43 Resp: 801

Ion Ratio Lower Upper

43 100

58 179.5 35.7 53.5#

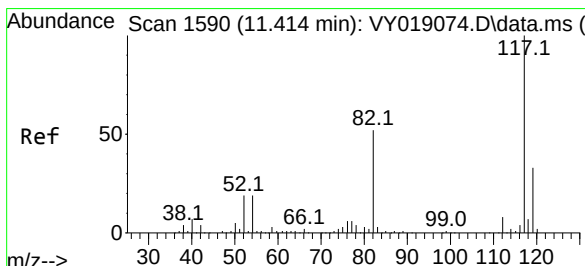
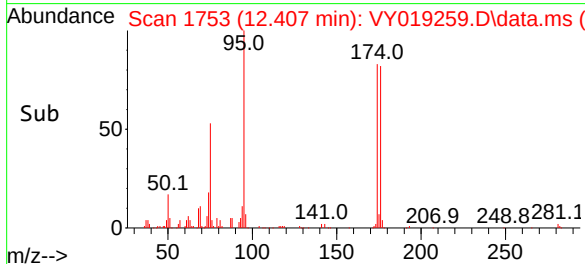
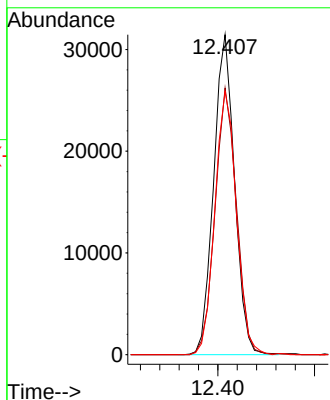
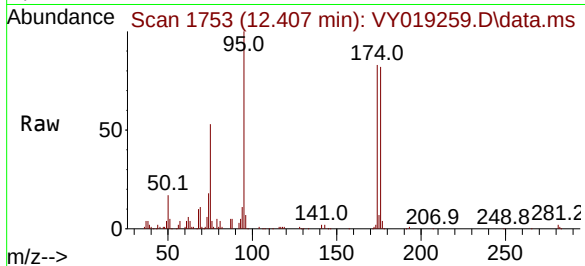




#62
4-Bromofluorobenzene
Concen: 39.875 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019259.D
Acq: 23 Aug 2024 15:53

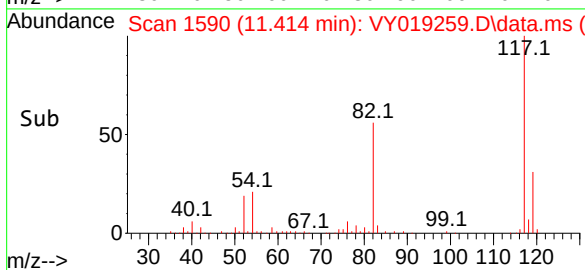
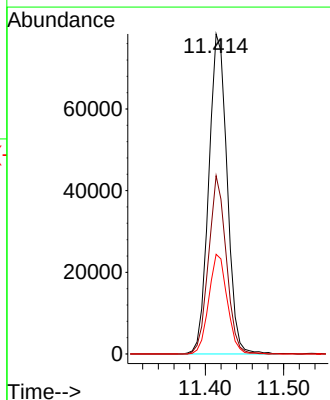
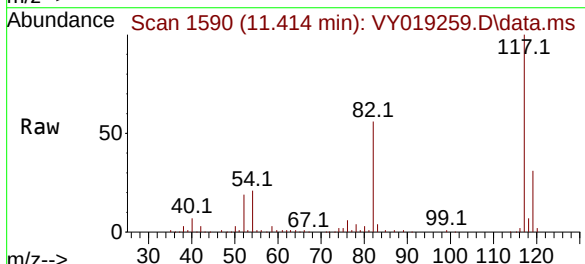
Instrument :
MSVOA_Y
ClientSampleId :

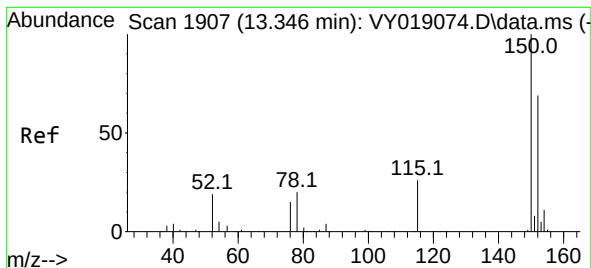
Tgt Ion:	95	Resp:	47263
Ion	Ratio	Lower	Upper
95	100		
174	85.3	0.0	175.6
176	84.9	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY019259.D
Acq: 23 Aug 2024 15:53

Tgt Ion:	117	Resp:	127463
Ion	Ratio	Lower	Upper
117	100		
82	55.7	42.4	63.6
119	31.1	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: VY019259.D

Acq: 23 Aug 2024 15:53

Instrument :

MSVOA_Y

ClientSampleId :

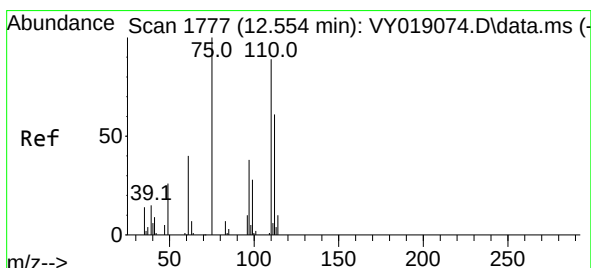
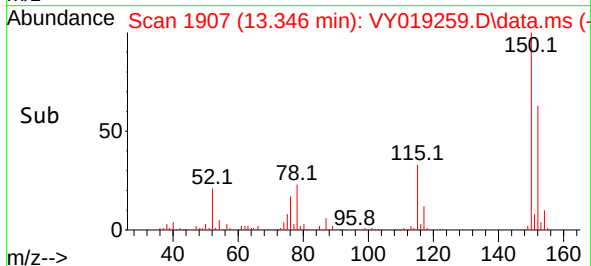
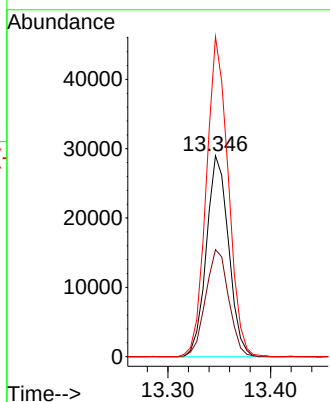
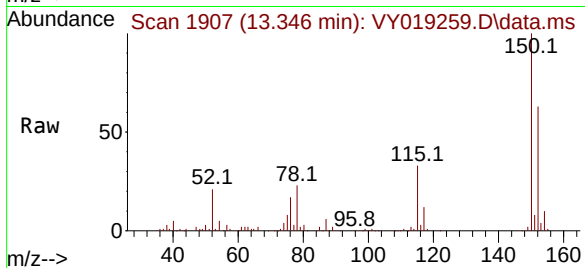
Tgt Ion:152 Resp: 43462

Ion Ratio Lower Upper

152 100

115 55.4 28.2 84.7

150 157.1 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 59.653 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019259.D

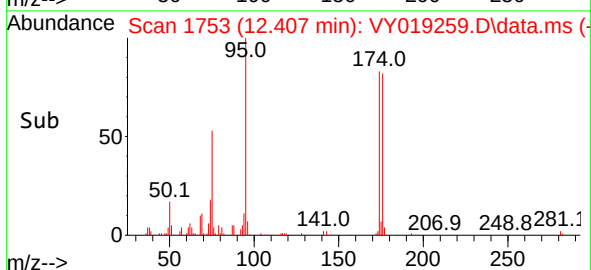
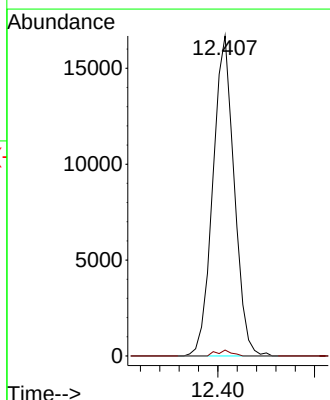
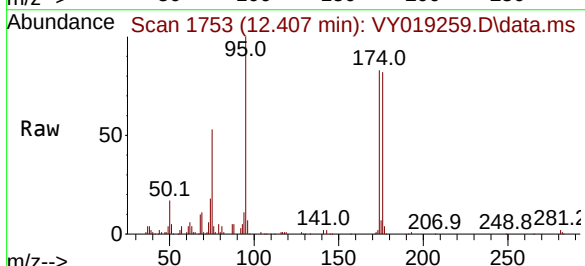
Acq: 23 Aug 2024 15:53

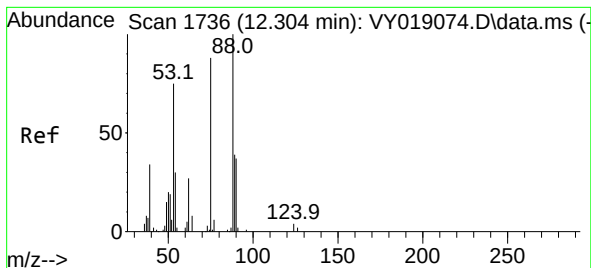
Tgt Ion: 75 Resp: 25568

Ion Ratio Lower Upper

75 100

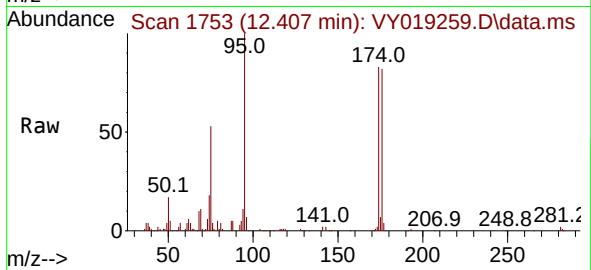
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 147.322 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY019259.D
 Acq: 23 Aug 2024 15:53

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	75	Resp:	25568
Ion	Ratio	Lower	Upper
75	100		
53	0.1	66.8	100.2#
89	0.1	35.8	53.6#

