

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082124\
 Data File : VY019180.D
 Acq On : 21 Aug 2024 19:31
 Operator : SY/MD
 Sample : P3643-09
 Misc : 7.80g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 22 01:18:09 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)

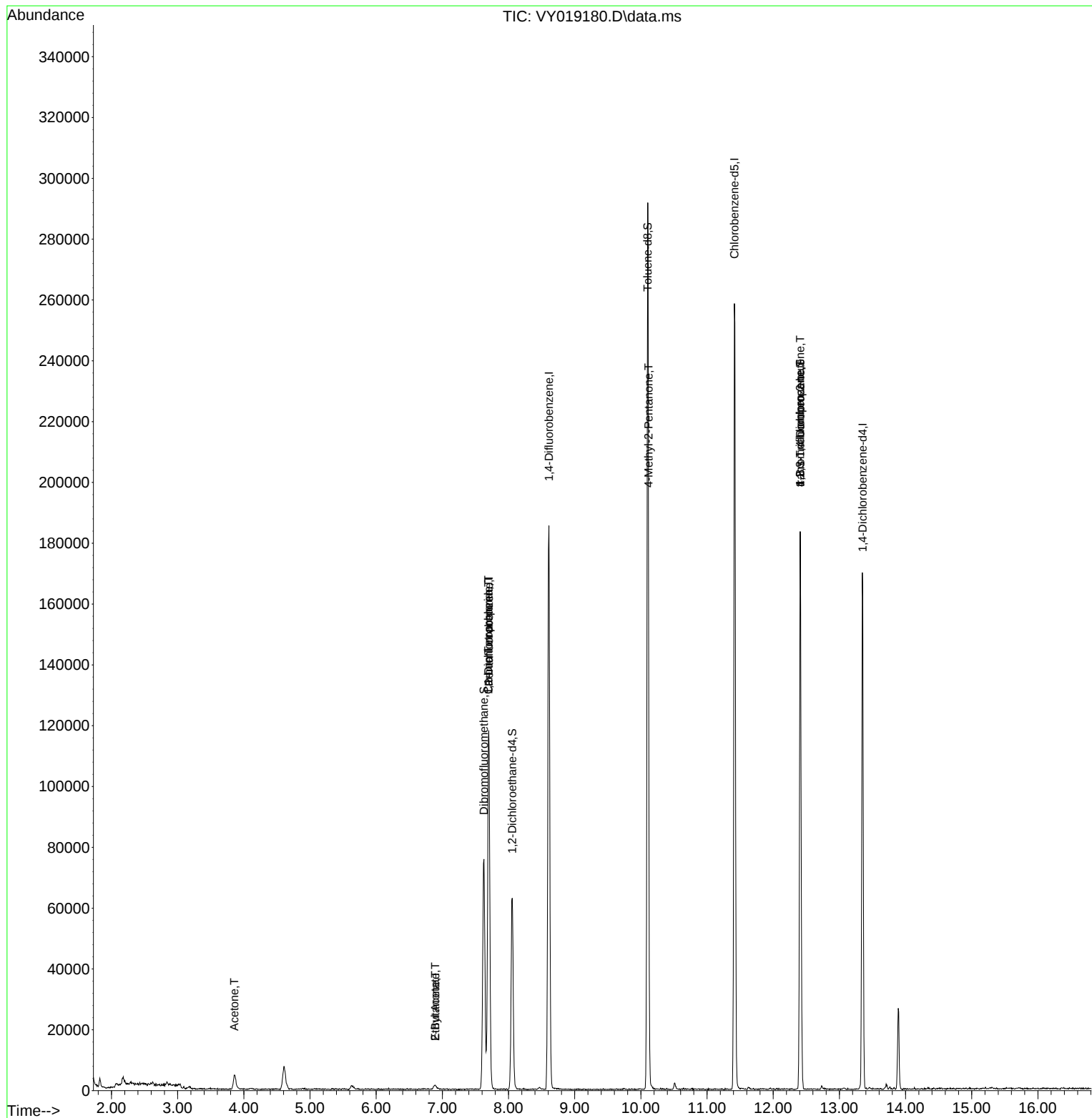
Internal Standards						
1) Pentafluorobenzene	7.701	168	94625	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	161918	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	139887	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	42383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	49112	51.776	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.560%	
35) Dibromofluoromethane	7.628	113	53889	50.900	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.800%	
50) Toluene-d8	10.103	98	183945	48.280	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.560%	
62) 4-Bromofluorobenzene	12.408	95	49497	38.110	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 76.220%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.592	94	100	Below Cal	#	3
6) Chloroethane	2.647	64	19	Below Cal	#	42
11) Tert butyl alcohol	4.830	59	50	Below Cal	#	1
13) Acrolein	3.629	56	24	Below Cal	#	15
16) Acetone	3.854	43	8619	48.997	ug/l #	71
20) Methylene Chloride	4.610	84	5616	Below Cal		97
25) 2-Butanone	6.890	43	2469	8.715	ug/l #	73
31) Cyclohexane	7.701	56	2072	Below Cal	#	48
36) 1,1-Dichloropropene	7.695	75	6919	4.759	ug/l #	51
37) Ethyl Acetate	6.890	43	2469	3.833	ug/l #	67
38) Carbon Tetrachloride	7.695	117	9416	5.589	ug/l #	17
51) 4-Methyl-2-Pentanone	10.115	43	926	1.339	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	27932	66.827	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	27932	165.041	ug/l #	16

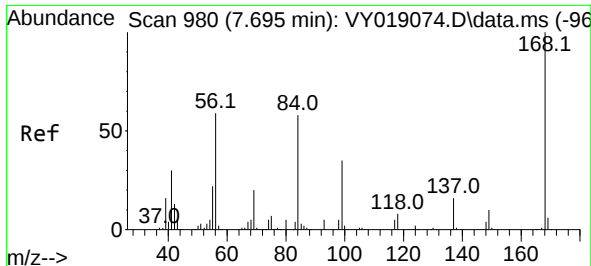
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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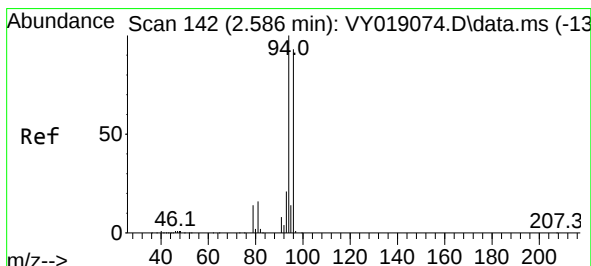
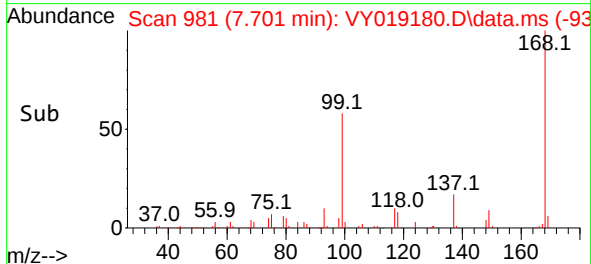
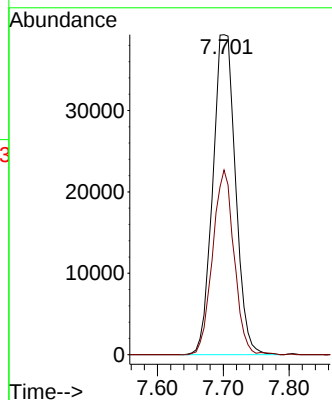
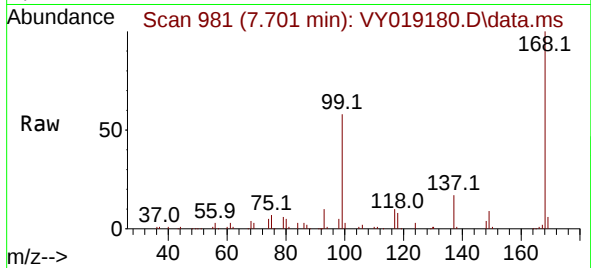




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019180.D
Acq: 21 Aug 2024 19:31

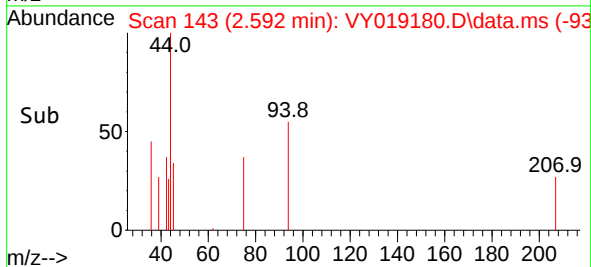
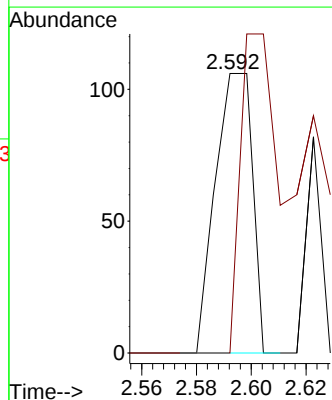
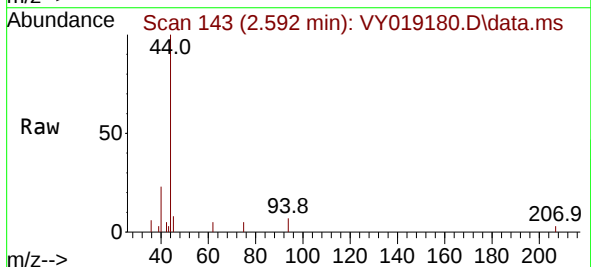
Instrument :
MSVOA_Y
ClientSampleId :

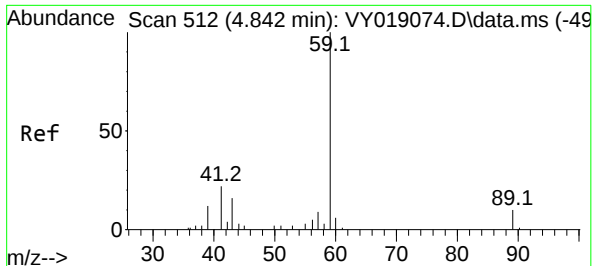
Tgt Ion:168 Resp: 94625
Ion Ratio Lower Upper
168 100
99 57.7 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.592 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY019180.D
Acq: 21 Aug 2024 19:31

Tgt Ion: 94 Resp: 100
Ion Ratio Lower Upper
94 100
96 0.0 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.830 min Scan# 51

Delta R.T. -0.012 min

Lab File: VY019180.D

Acq: 21 Aug 2024 19:31

Instrument :

MSVOA_Y

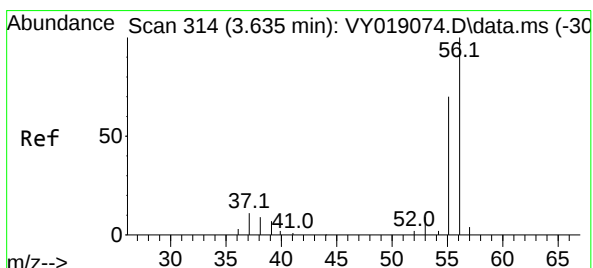
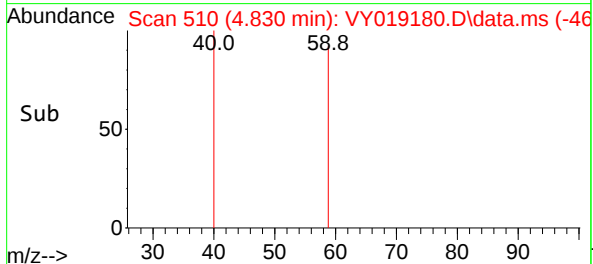
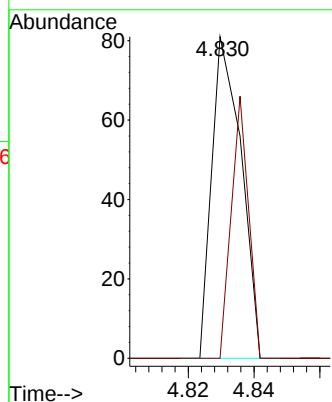
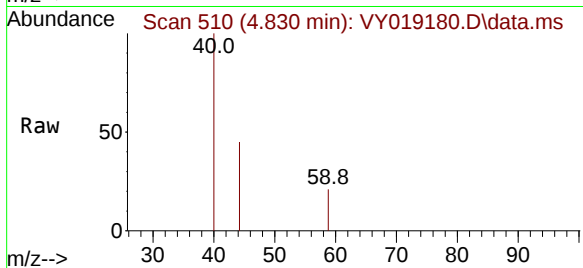
ClientSampleId :

Tgt Ion: 59 Resp: 50

Ion Ratio Lower Upper

59 100

57 48.0 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.629 min Scan# 313

Delta R.T. -0.006 min

Lab File: VY019180.D

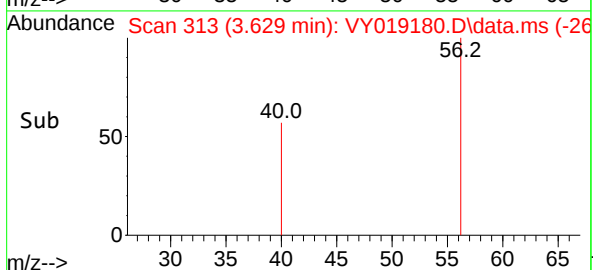
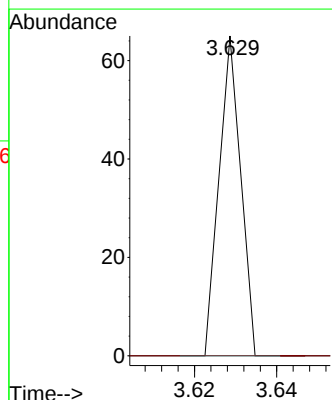
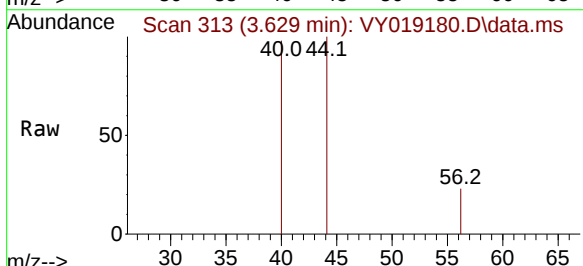
Acq: 21 Aug 2024 19:31

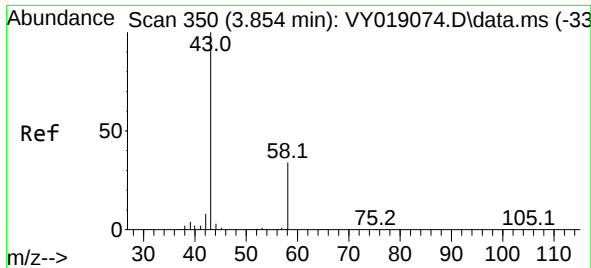
Tgt Ion: 56 Resp: 24

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#





#16

Acetone

Concen: 48.997 ug/l

RT: 3.854 min Scan# 3

Delta R.T. 0.000 min

Lab File: VY019180.D

Acq: 21 Aug 2024 19:31

Instrument :

MSVOA_Y

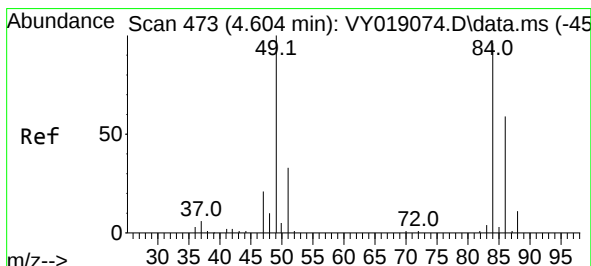
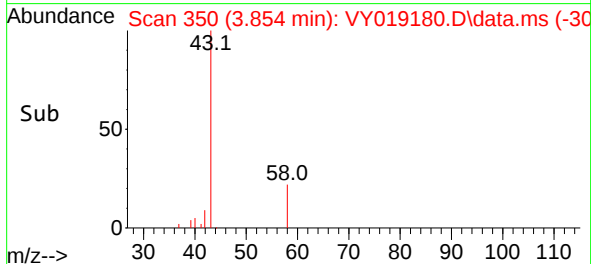
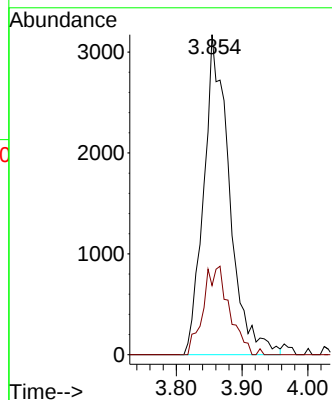
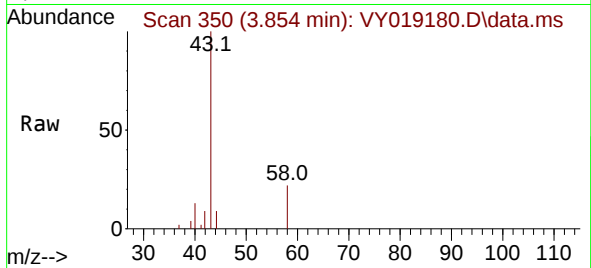
ClientSampleId :

Tgt Ion: 43 Resp: 8619

Ion Ratio Lower Upper

43 100

58 21.6 31.7 47.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.610 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY019180.D

Acq: 21 Aug 2024 19:31

Tgt Ion: 84 Resp: 5616

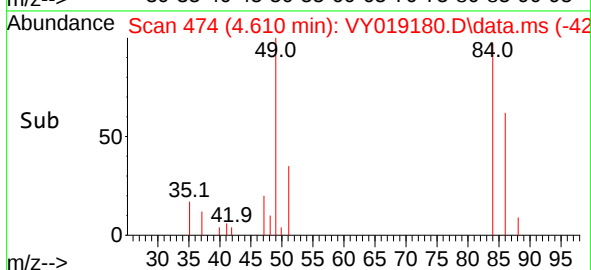
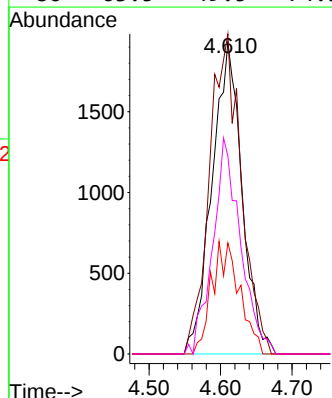
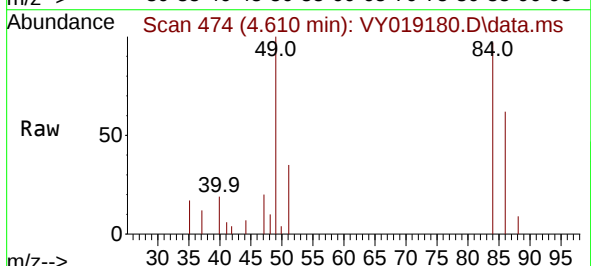
Ion Ratio Lower Upper

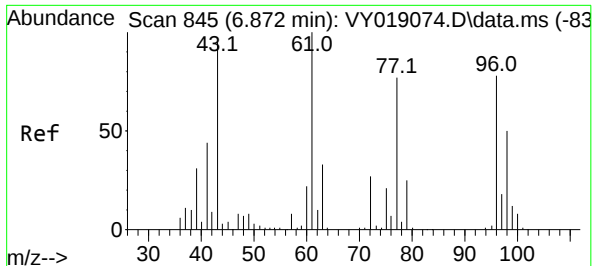
84 100

49 102.7 84.4 126.6

51 35.7 26.0 39.0

86 63.5 49.5 74.3





#25

2-Butanone

Concen: 8.715 ug/l

RT: 6.890 min Scan# 84

Delta R.T. 0.019 min

Lab File: VY019180.D

Acq: 21 Aug 2024 19:31

Instrument :

MSVOA_Y

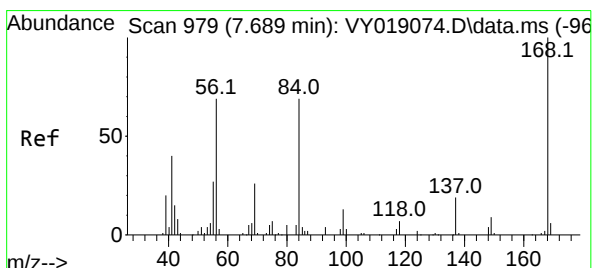
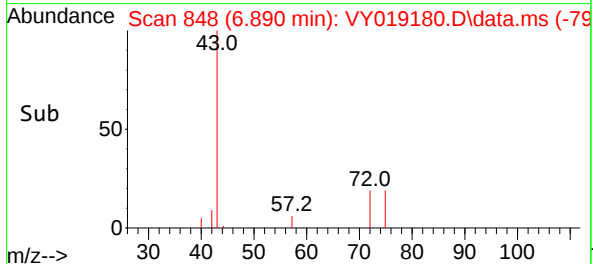
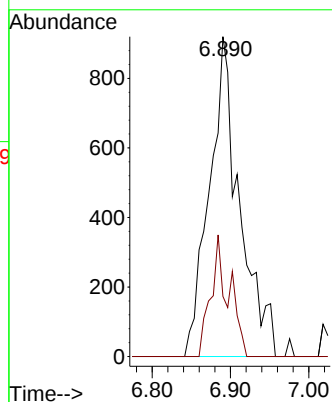
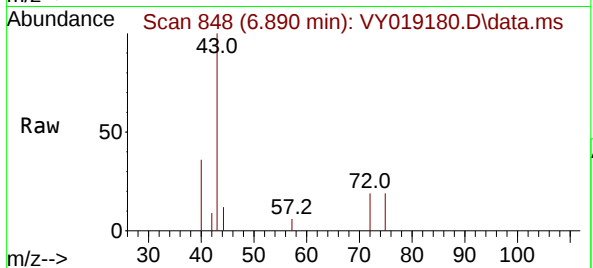
ClientSampleId :

Tgt Ion: 43 Resp: 2469

Ion Ratio Lower Upper

43 100

72 18.8 27.3 40.9#



#31

Cyclohexane

Concen: Below Cal

RT: 7.701 min Scan# 981

Delta R.T. 0.012 min

Lab File: VY019180.D

Acq: 21 Aug 2024 19:31

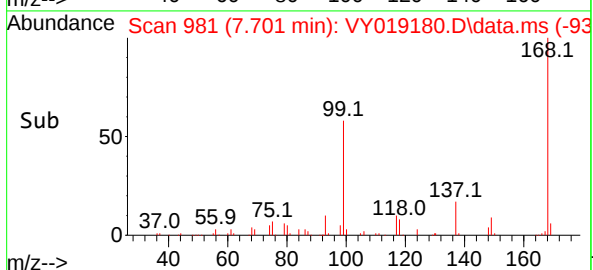
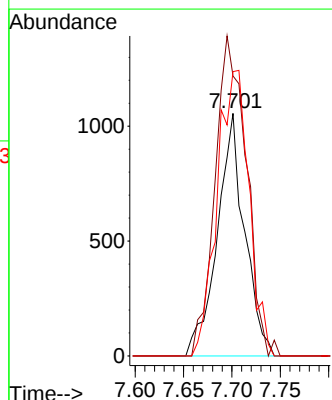
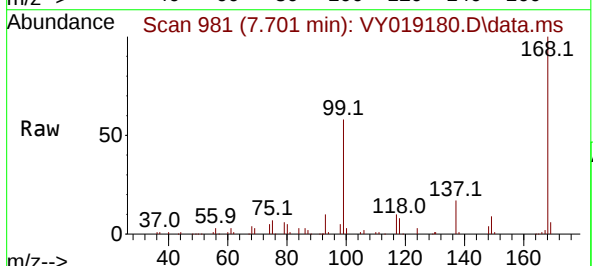
Tgt Ion: 56 Resp: 2072

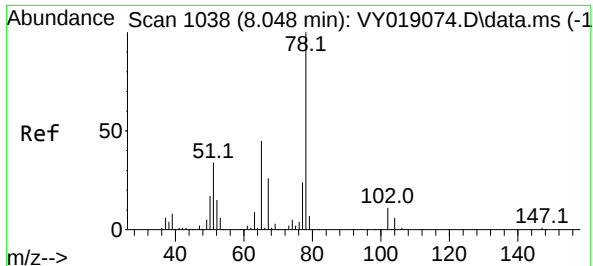
Ion Ratio Lower Upper

56 100

69 115.4 28.7 43.1#

84 117.2 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 51.776 ug/l

RT: 8.055 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY019180.D

Acq: 21 Aug 2024 19:31

Instrument :

MSVOA_Y

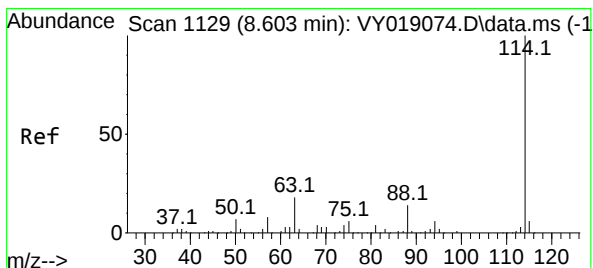
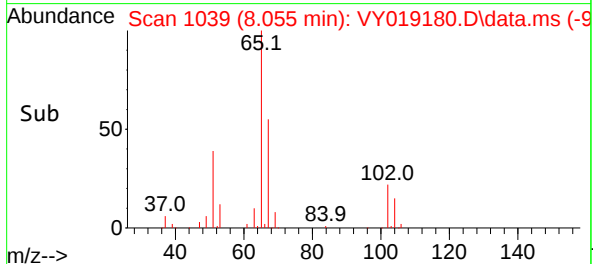
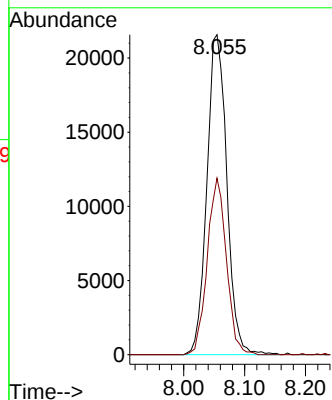
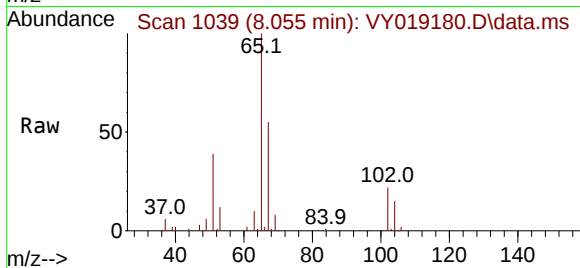
ClientSampleId :

Tgt Ion: 65 Resp: 49112

Ion Ratio Lower Upper

65 100

67 53.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019180.D

Acq: 21 Aug 2024 19:31

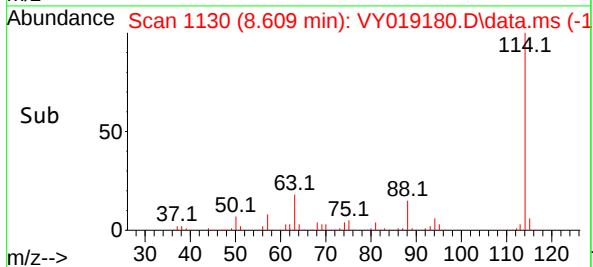
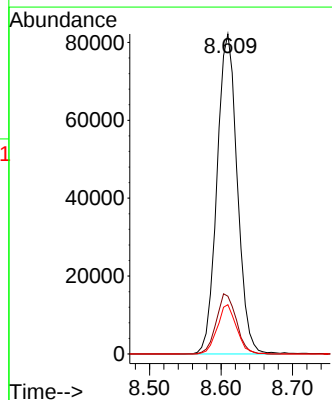
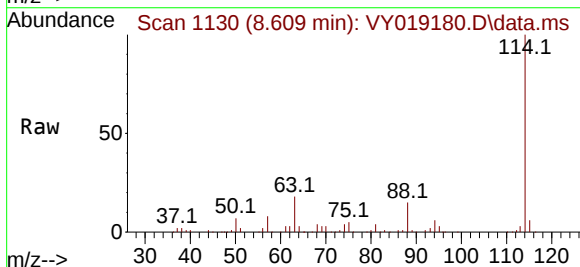
Tgt Ion: 114 Resp: 161918

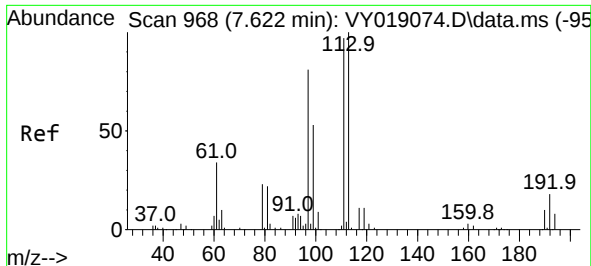
Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.0

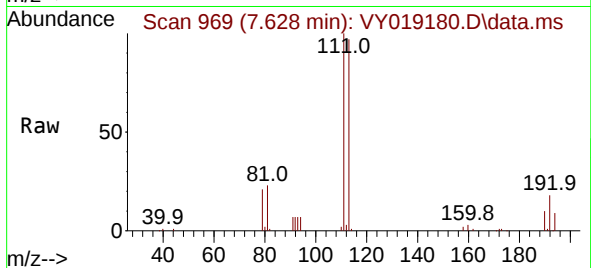
88 15.4 0.0 27.2



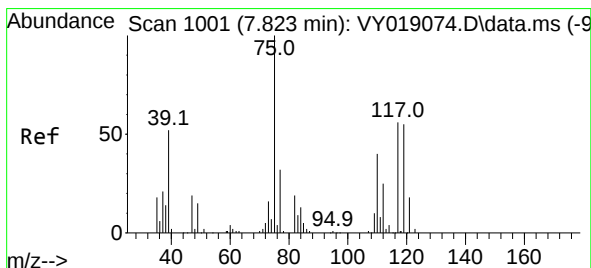
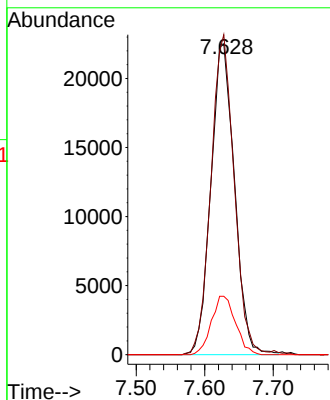
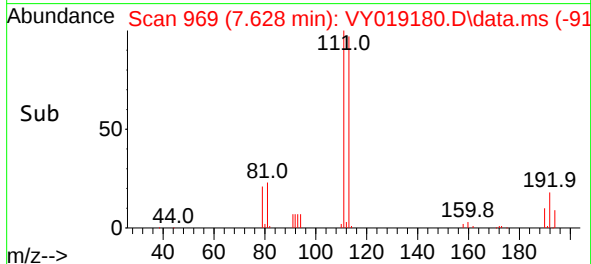


#35
Dibromofluoromethane
Concen: 50.900 ug/l
RT: 7.628 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY019180.D
Acq: 21 Aug 2024 19:31

Instrument :
MSVOA_Y
ClientSampleId :

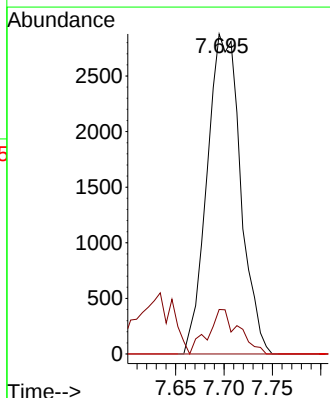
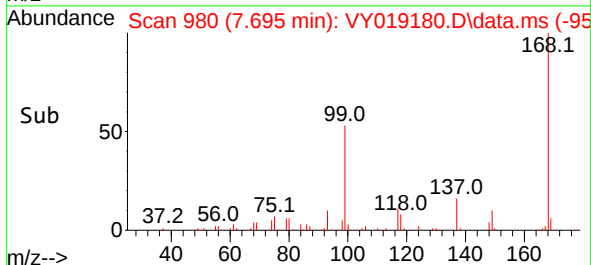
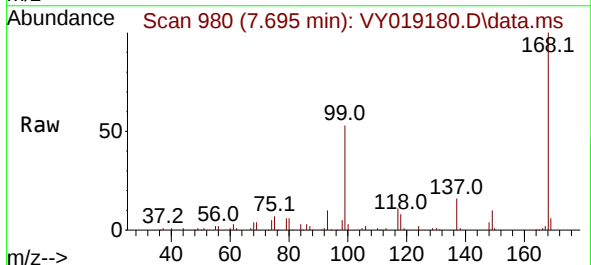


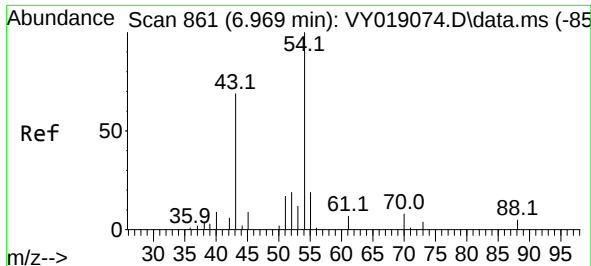
Tgt Ion:113 Resp: 53889
Ion Ratio Lower Upper
113 100
111 100.8 82.2 123.4
192 19.2 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.759 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY019180.D
Acq: 21 Aug 2024 19:31

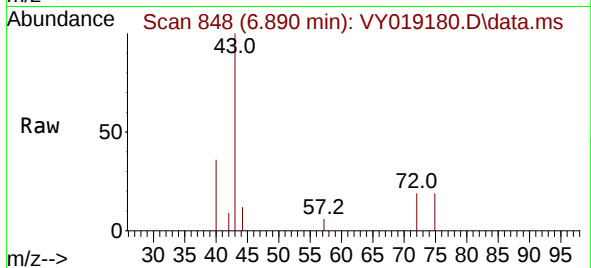
Tgt Ion: 75 Resp: 6919
Ion Ratio Lower Upper
75 100
110 12.6 19.0 57.0#
77 0.0 25.3 37.9#



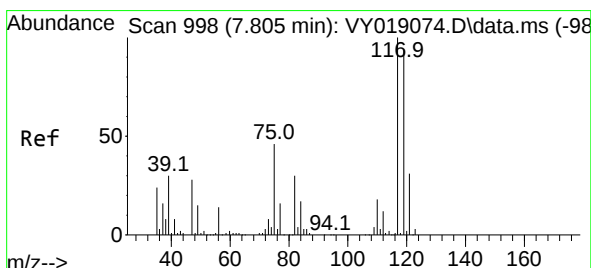
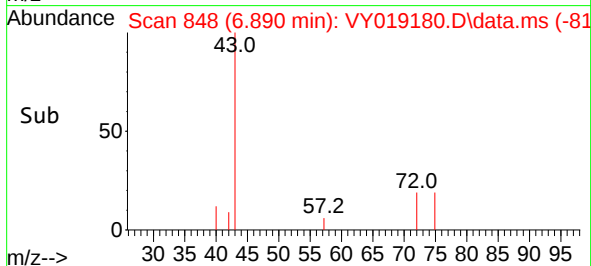
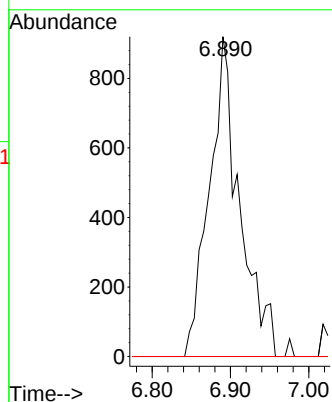


#37
Ethyl Acetate
Concen: 3.833 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.079 min
Lab File: VY019180.D
Acq: 21 Aug 2024 19:31

Instrument :
MSVOA_Y
ClientSampleId :

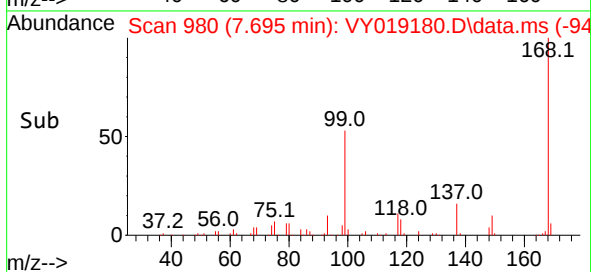
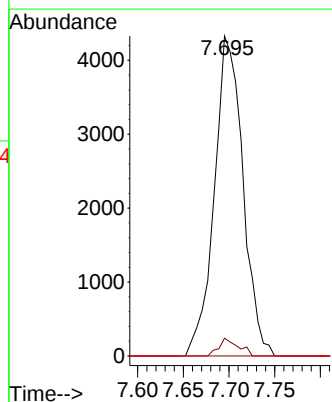
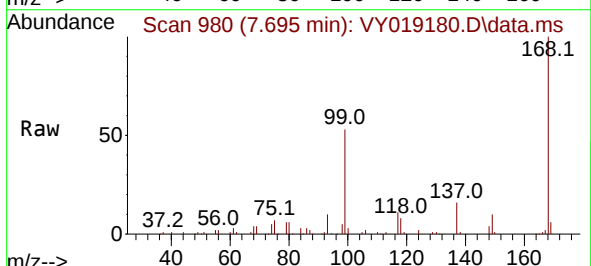


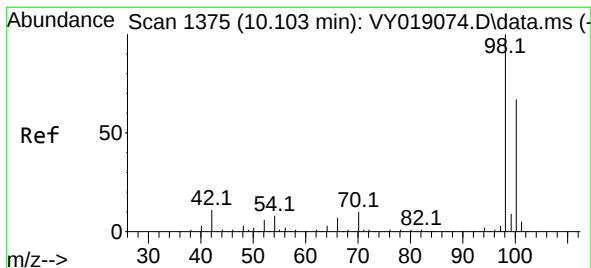
Tgt Ion: 43 Resp: 2469
Ion Ratio Lower Upper
43 100
61 0.0 12.6 19.0#
70 0.0 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 5.589 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY019180.D
Acq: 21 Aug 2024 19:31

Tgt Ion: 117 Resp: 9416
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.6#
121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 48.280 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY019180.D

Acq: 21 Aug 2024 19:31

Instrument :

MSVOA_Y

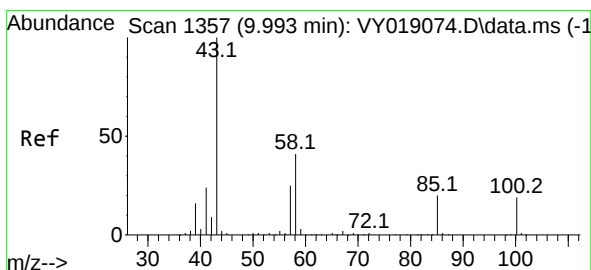
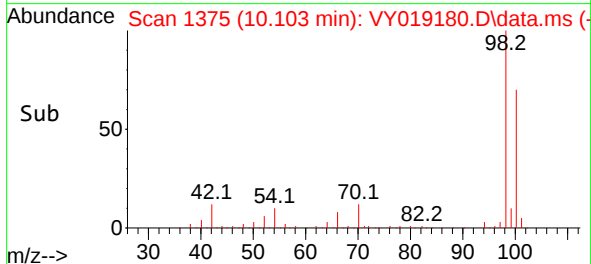
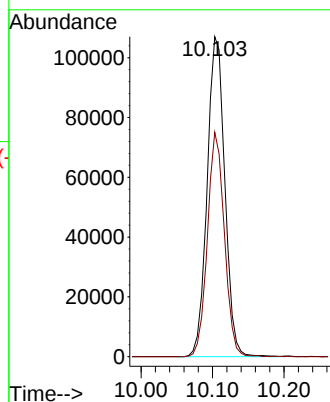
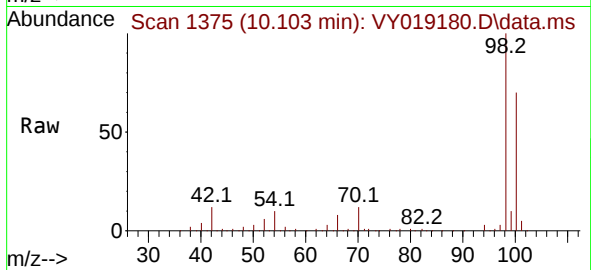
ClientSampleId :

Tgt Ion: 98 Resp: 183945

Ion Ratio Lower Upper

98 100

100 67.2 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.339 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.122 min

Lab File: VY019180.D

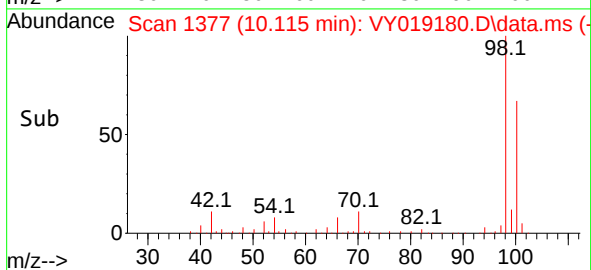
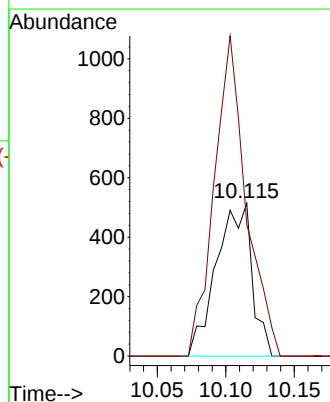
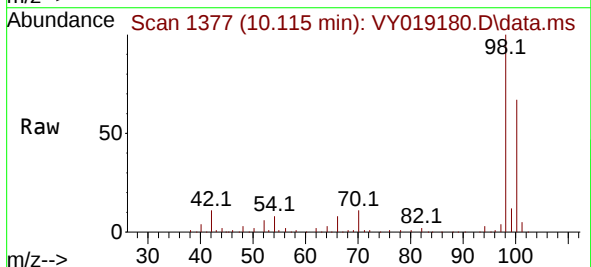
Acq: 21 Aug 2024 19:31

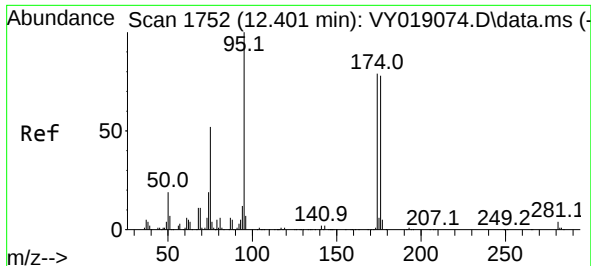
Tgt Ion: 43 Resp: 926

Ion Ratio Lower Upper

43 100

58 188.4 35.7 53.5#

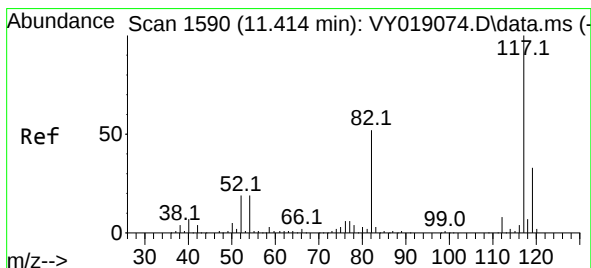
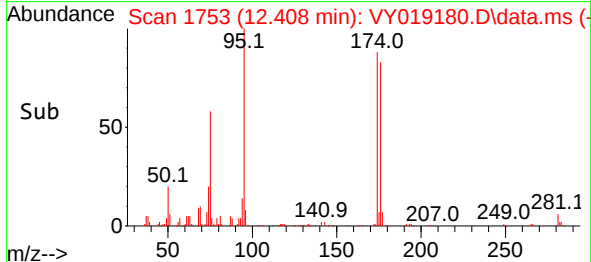
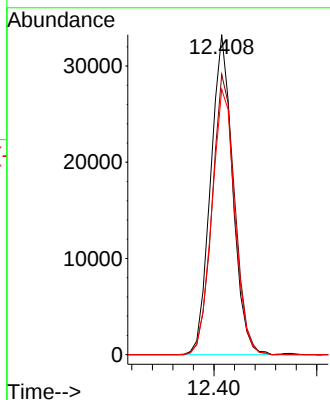
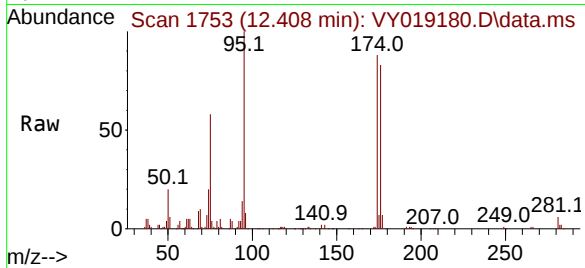




#62
4-Bromofluorobenzene
Concen: 38.110 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019180.D
Acq: 21 Aug 2024 19:31

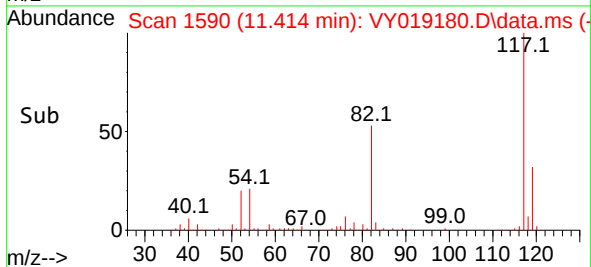
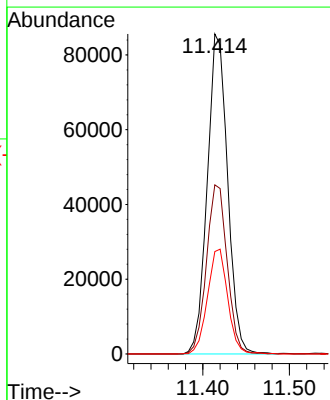
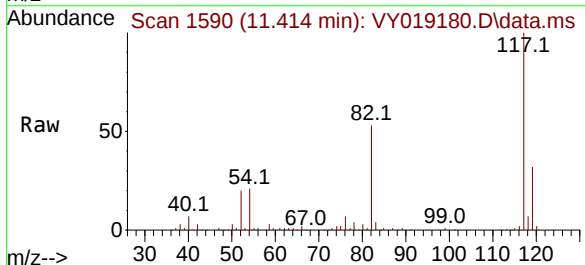
Instrument :
MSVOA_Y
ClientSampleId :

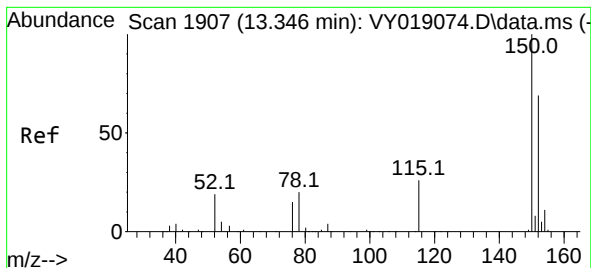
Tgt Ion:	95	Resp:	49497
Ion	Ratio	Lower	Upper
95	100		
174	90.3	0.0	175.6
176	86.3	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY019180.D
Acq: 21 Aug 2024 19:31

Tgt Ion:	117	Resp:	139887
Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.4	63.6
119	32.0	25.9	38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY019180.D

Acq: 21 Aug 2024 19:31

Instrument :

MSVOA_Y

ClientSampleId :

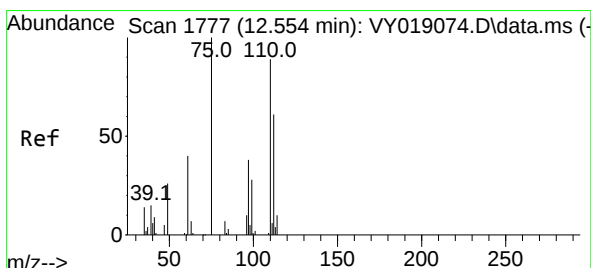
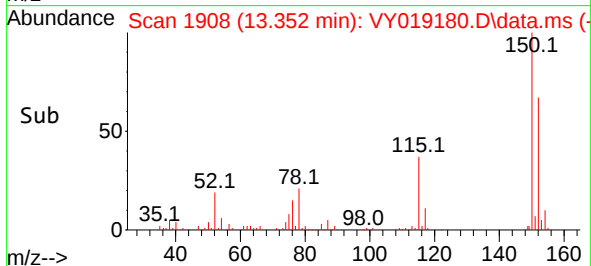
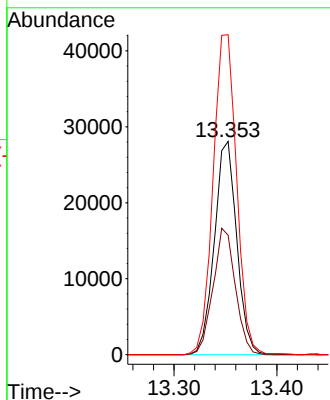
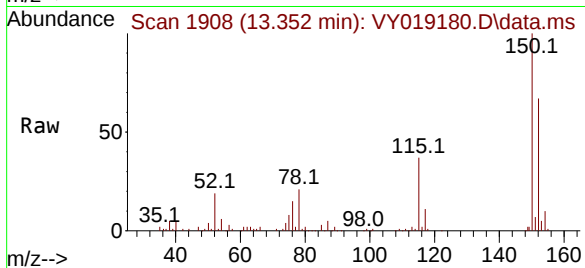
Tgt Ion:152 Resp: 42383

Ion Ratio Lower Upper

152 100

115 59.0 28.2 84.7

150 157.7 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 66.827 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019180.D

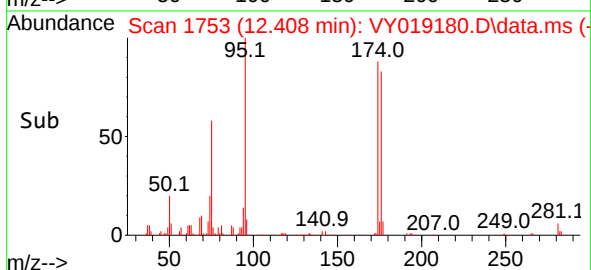
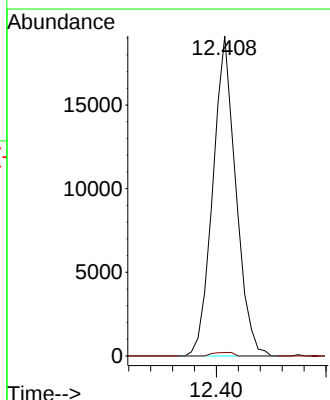
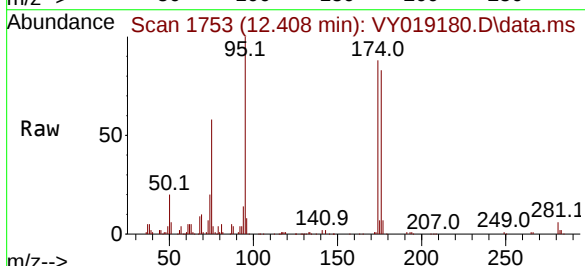
Acq: 21 Aug 2024 19:31

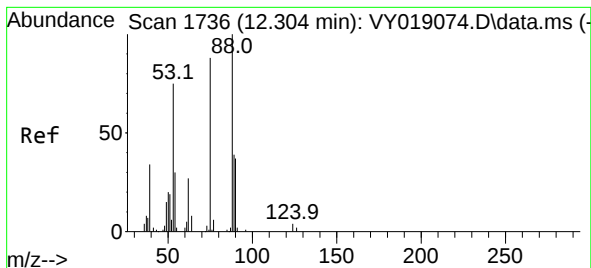
Tgt Ion: 75 Resp: 27932

Ion Ratio Lower Upper

75 100

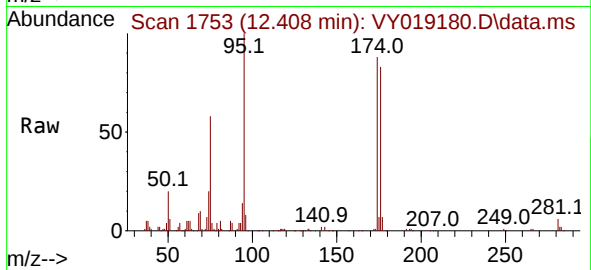
77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 165.041 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY019180.D
 Acq: 21 Aug 2024 19:31

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.8	100.2#
89	0.1	35.8	53.6#

