

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082124\
 Data File : VY019200.D
 Acq On : 22 Aug 2024 05:21
 Operator : SY/MD
 Sample : P3671-06
 Misc : 7.89g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 22 06:30:07 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)

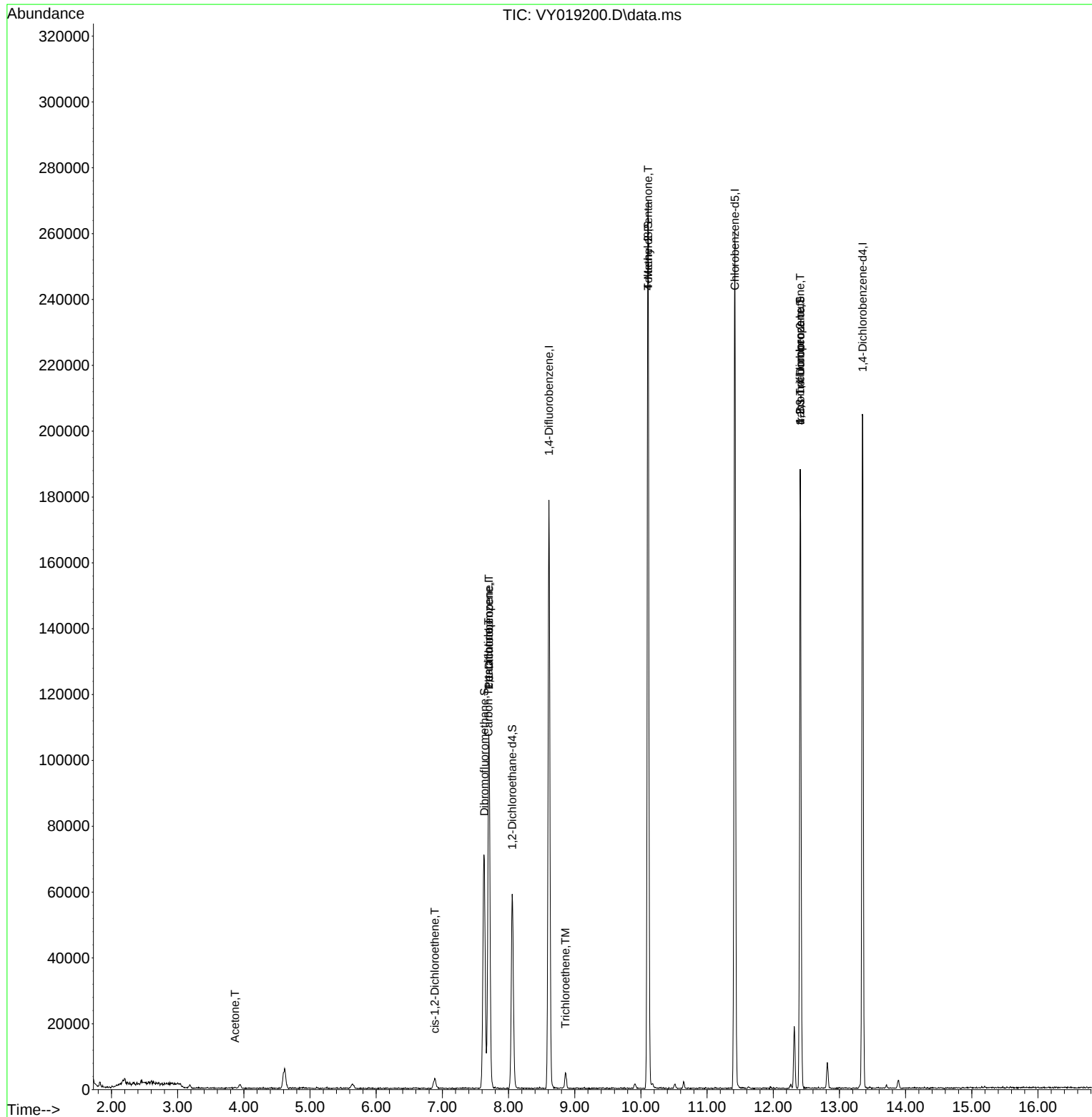
Internal Standards						
1) Pentafluorobenzene	7.701	168	84229	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	154608	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	140381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	50718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	46427	54.987	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.980%	
35) Dibromofluoromethane	7.634	113	50298	49.755	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.500%	
50) Toluene-d8	10.109	98	175245	48.171	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.340%	
62) 4-Bromofluorobenzene	12.408	95	54604	44.029	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 88.060%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.598	94	200	Below Cal	#	60
6) Chloroethane	2.726	64	29	Below Cal	#	42
11) Tert butyl alcohol	4.824	59	19	Below Cal	#	88
16) Acetone	3.866	43	314	2.005	ug/l #	36
20) Methylene Chloride	4.610	84	4531	Below Cal	#	80
27) cis-1,2-Dichloroethene	6.884	96	2008	1.818	ug/l	91
31) Cyclohexane	7.701	56	1903	Below Cal	#	58
36) 1,1-Dichloropropene	7.701	75	6482	4.669	ug/l #	47
38) Carbon Tetrachloride	7.695	117	8679	5.395	ug/l #	17
44) Trichloroethene	8.859	130	1708	1.438	ug/l	86
51) 4-Methyl-2-Pentanone	10.109	43	684	1.036	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	29113	58.206	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	29113	143.749	ug/l #	16

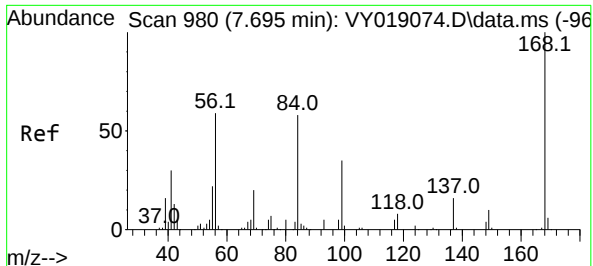
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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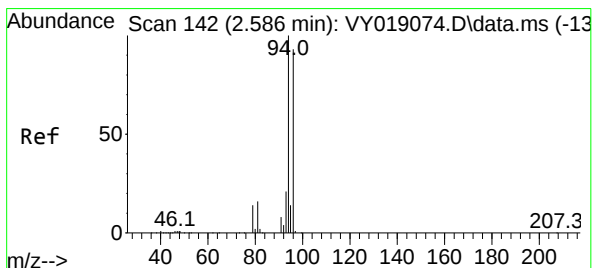
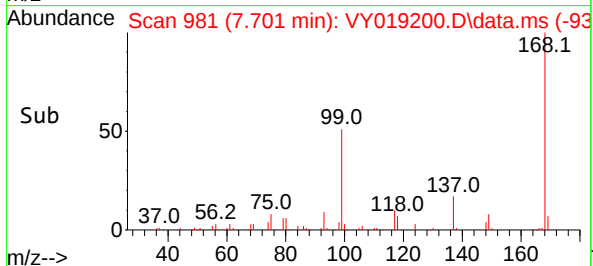
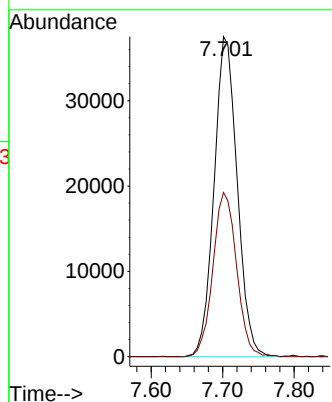
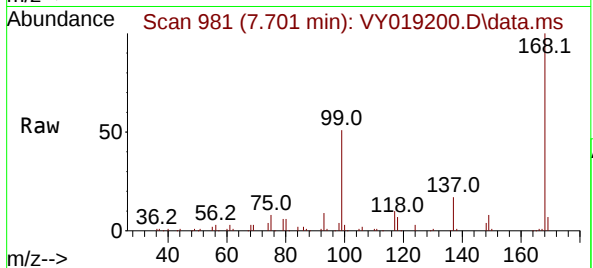




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019200.D
Acq: 22 Aug 2024 05:21

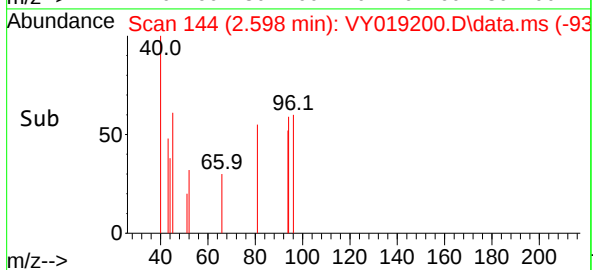
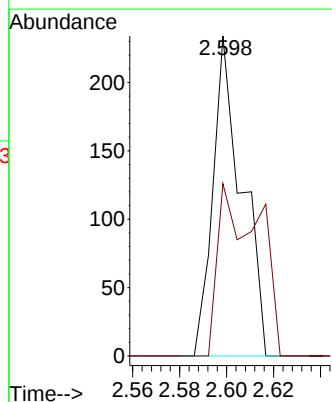
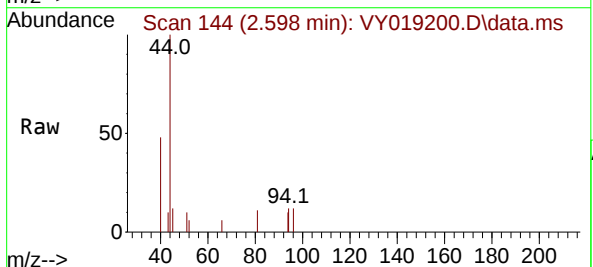
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 84229
Ion Ratio Lower Upper
168 100
99 51.3 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.598 min Scan# 144
Delta R.T. 0.012 min
Lab File: VY019200.D
Acq: 22 Aug 2024 05:21

Tgt Ion: 94 Resp: 200
Ion Ratio Lower Upper
94 100
96 53.8 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: VY019200.D

Acq: 22 Aug 2024 05:21

Instrument :

MSVOA_Y

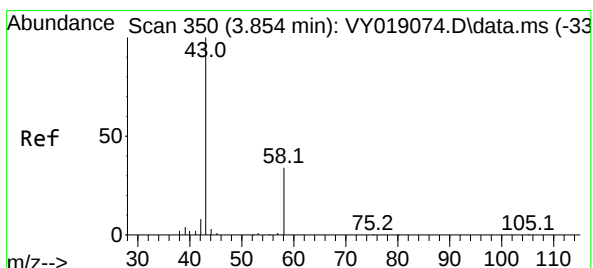
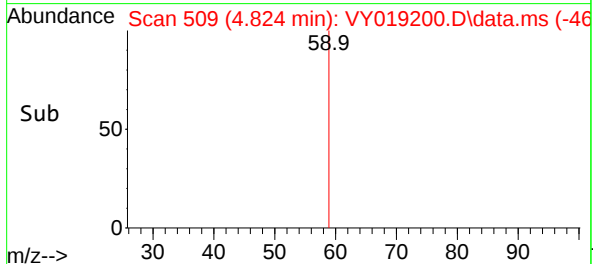
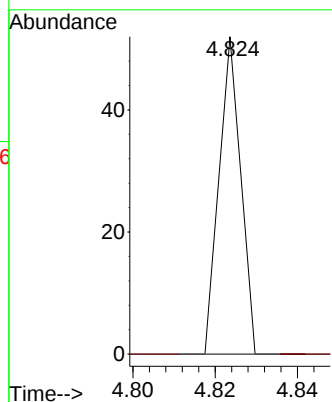
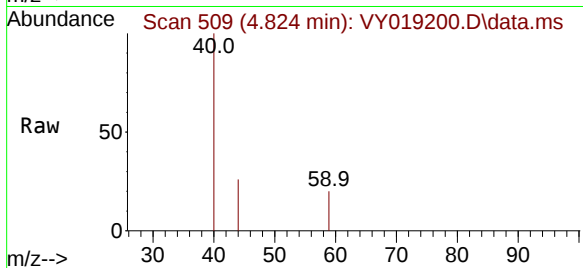
ClientSampleId :

Tgt Ion: 59 Resp: 19

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#16

Acetone

Concen: 2.005 ug/l

RT: 3.866 min Scan# 352

Delta R.T. 0.012 min

Lab File: VY019200.D

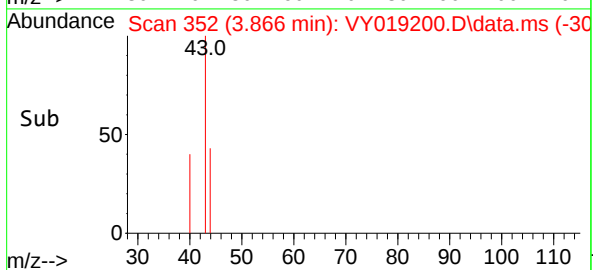
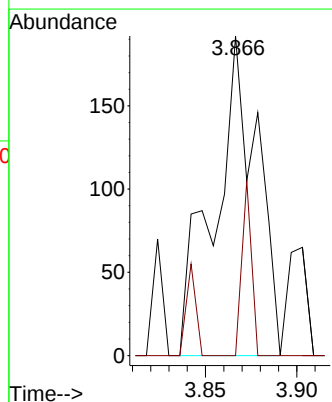
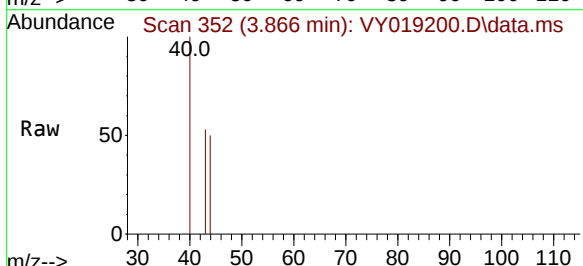
Acq: 22 Aug 2024 05:21

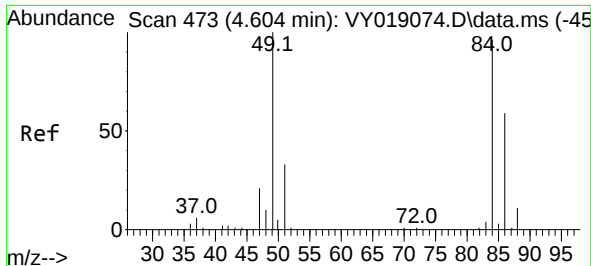
Tgt Ion: 43 Resp: 314

Ion Ratio Lower Upper

43 100

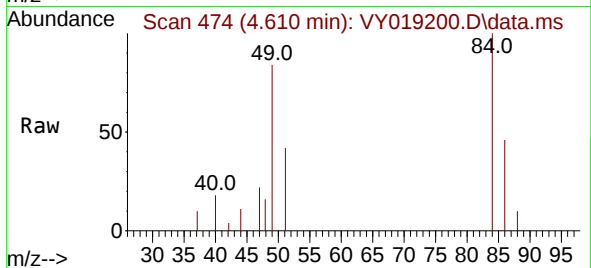
58 0.0 31.7 47.5#





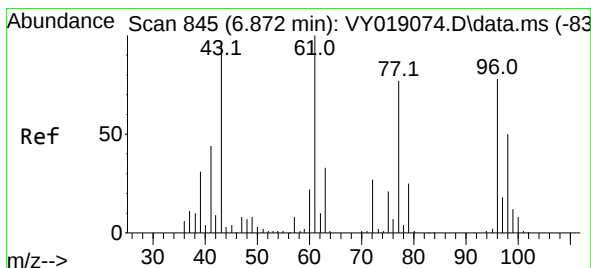
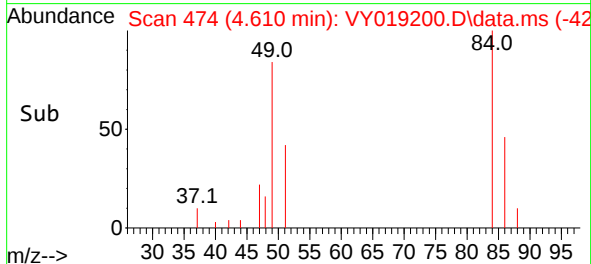
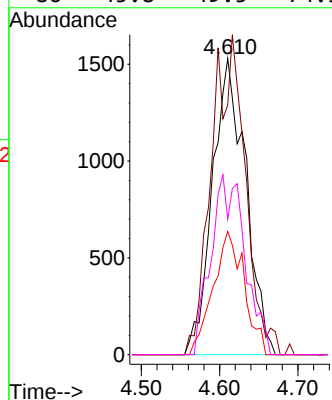
#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY019200.D
Acq: 22 Aug 2024 05:21

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 4531

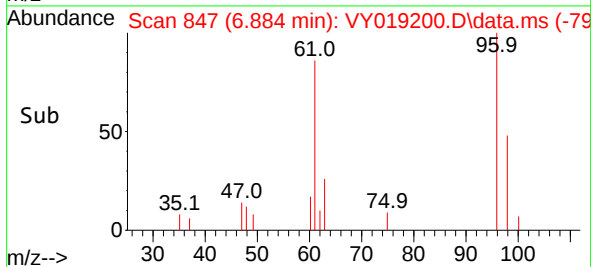
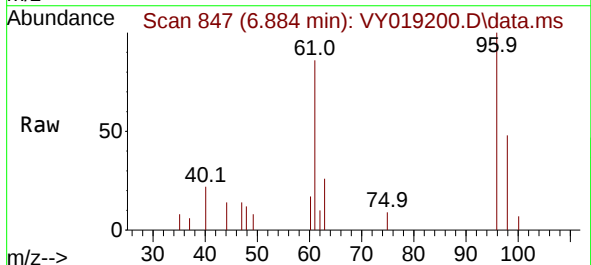
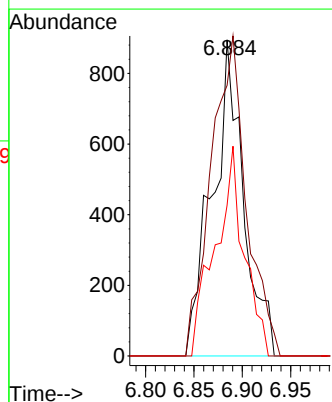
Ion	Ratio	Lower	Upper
84	100		
49	84.3	84.4	126.6#
51	41.6	26.0	39.0#
86	45.8	49.5	74.3#

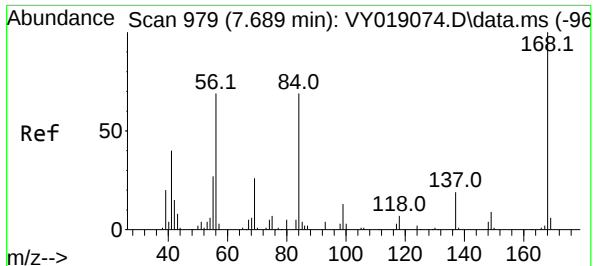


#27
cis-1,2-Dichloroethene
Concen: 1.818 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.012 min
Lab File: VY019200.D
Acq: 22 Aug 2024 05:21

Tgt Ion: 96 Resp: 2008

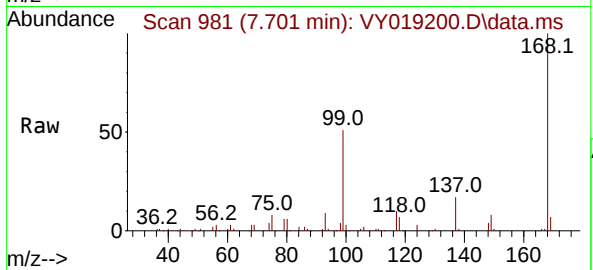
Ion	Ratio	Lower	Upper
96	100		
61	114.7	0.0	256.2
98	61.6	0.0	130.0



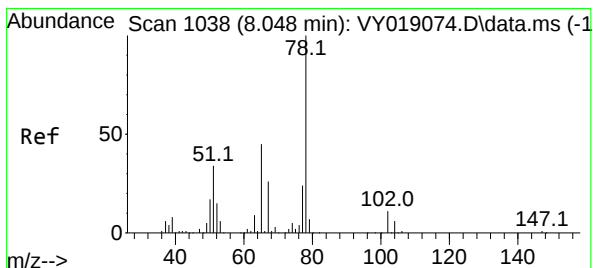
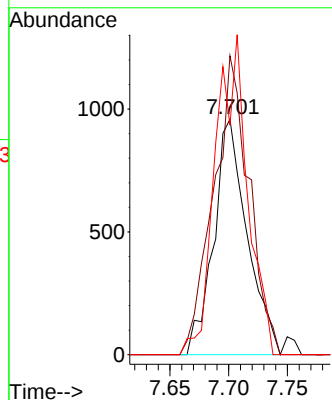
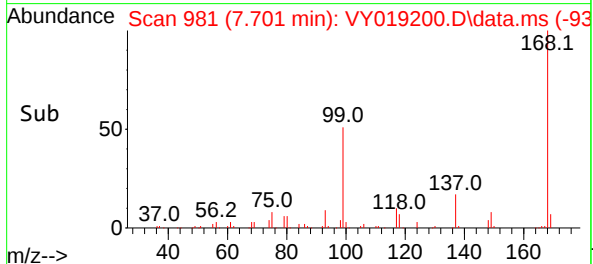


#31
Cyclohexane
Concen: Below Cal
RT: 7.701 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY019200.D
Acq: 22 Aug 2024 05:21

Instrument :
MSVOA_Y
ClientSampleId :

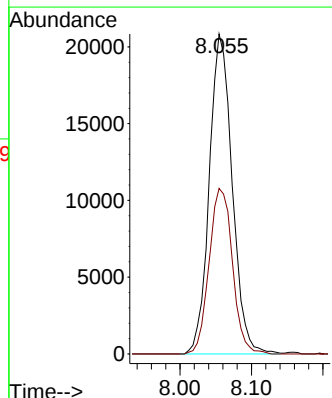
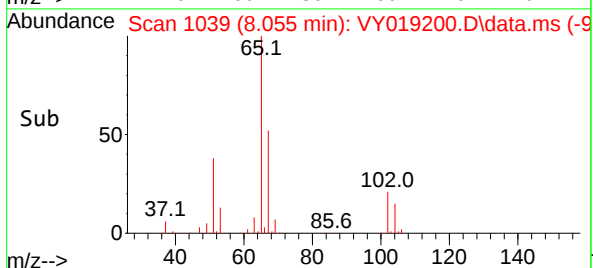
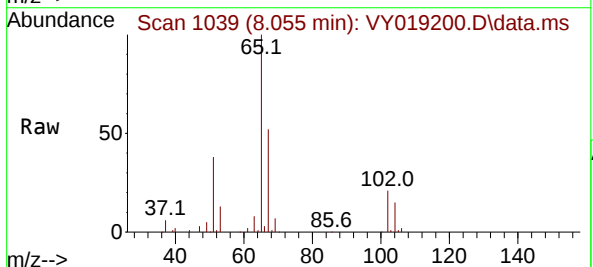


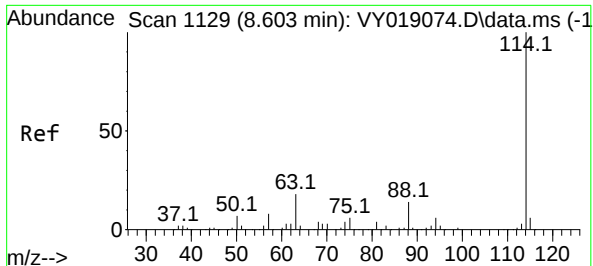
Tgt Ion: 56 Resp: 1903
Ion Ratio Lower Upper
56 100
69 126.9 28.7 43.1#
84 97.4 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 54.987 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY019200.D
Acq: 22 Aug 2024 05:21

Tgt Ion: 65 Resp: 46427
Ion Ratio Lower Upper
65 100
67 52.7 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY019200.D

Acq: 22 Aug 2024 05:21

Instrument :

MSVOA_Y

ClientSampleId :

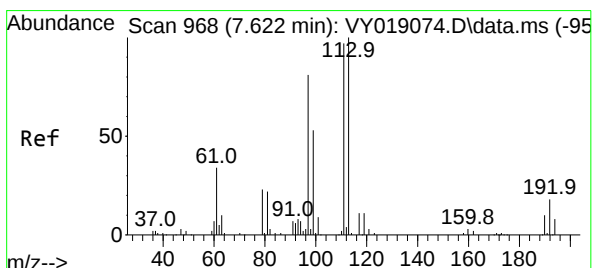
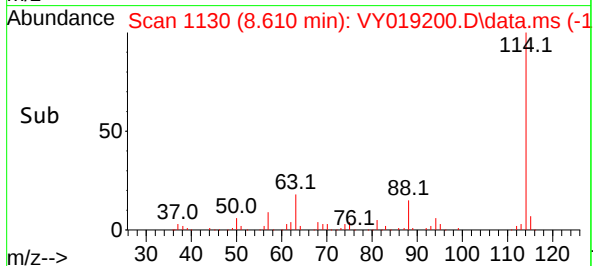
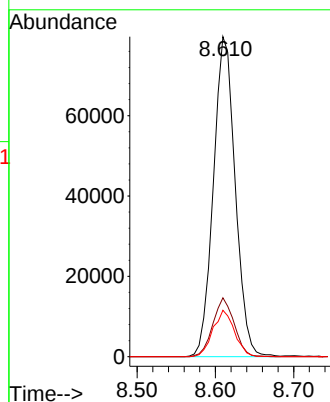
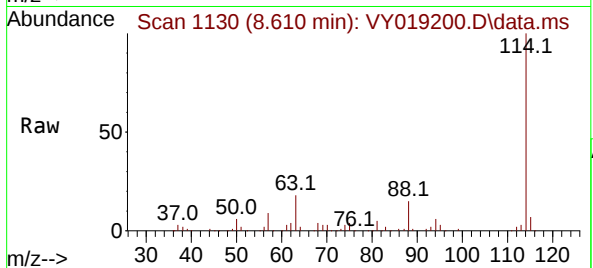
Tgt Ion:114 Resp: 154608

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.0

88 14.5 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.755 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.012 min

Lab File: VY019200.D

Acq: 22 Aug 2024 05:21

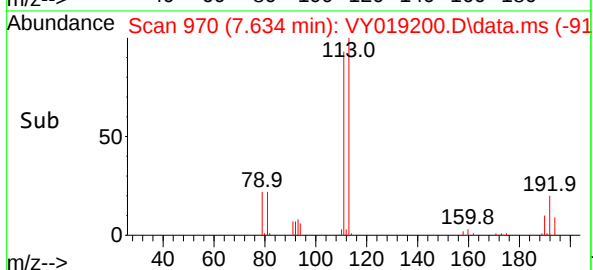
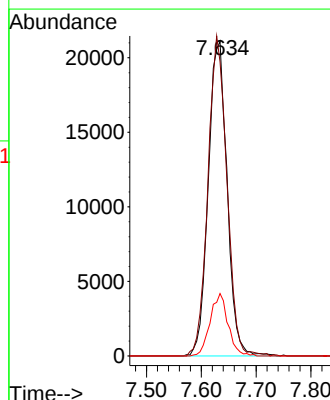
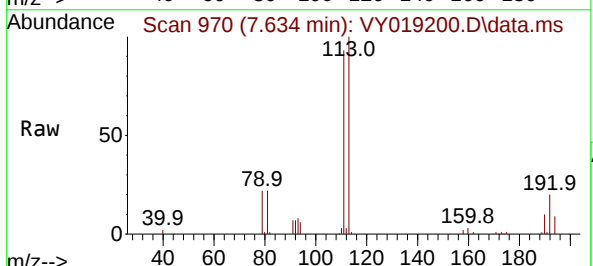
Tgt Ion:113 Resp: 50298

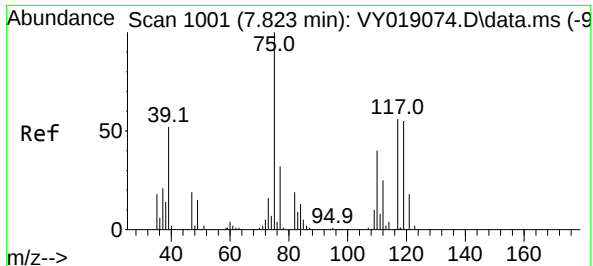
Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

192 18.9 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.669 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.122 min

Lab File: VY019200.D

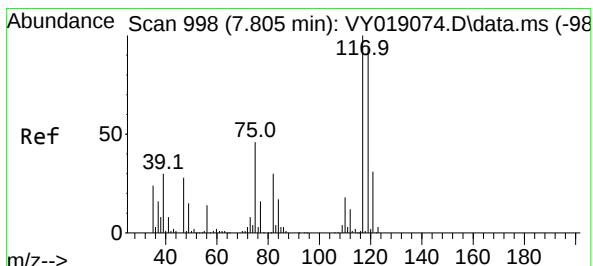
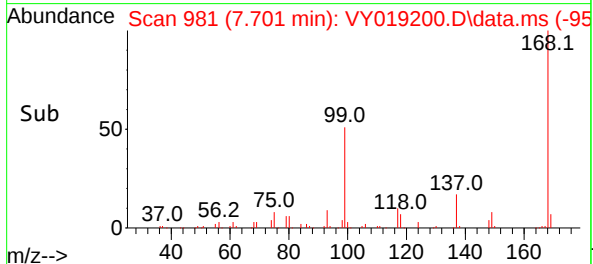
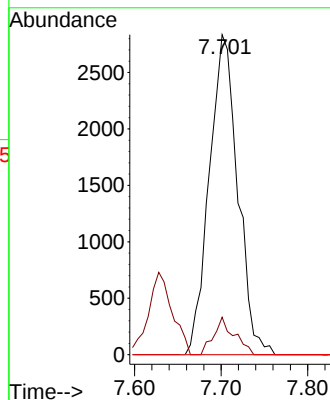
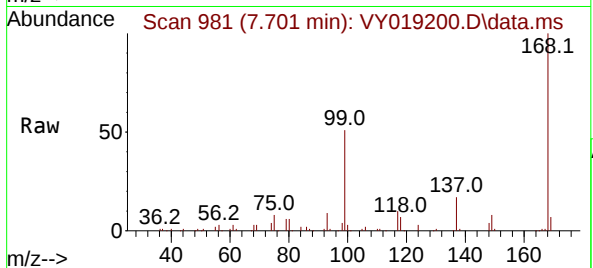
Acq: 22 Aug 2024 05:21

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 75	Resp: 6482
Ion Ratio	Lower Upper
75 100	
110 8.5	19.0 57.0#
77 0.0	25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.395 ug/l

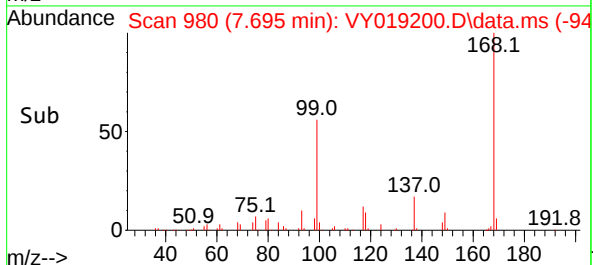
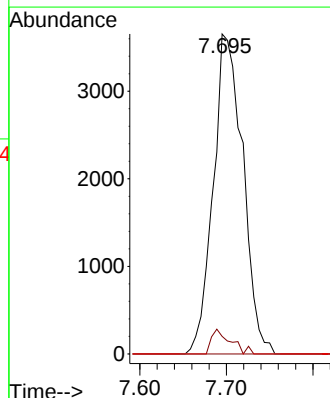
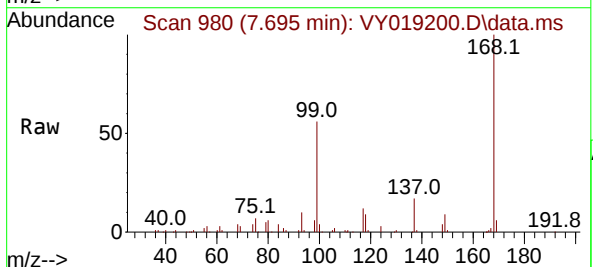
RT: 7.695 min Scan# 980

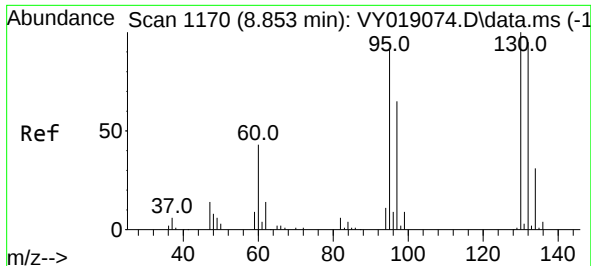
Delta R.T. -0.109 min

Lab File: VY019200.D

Acq: 22 Aug 2024 05:21

Tgt Ion: 117	Resp: 8679
Ion Ratio	Lower Upper
117 100	
119 5.5	75.8 113.6#
121 0.0	24.0 36.0#

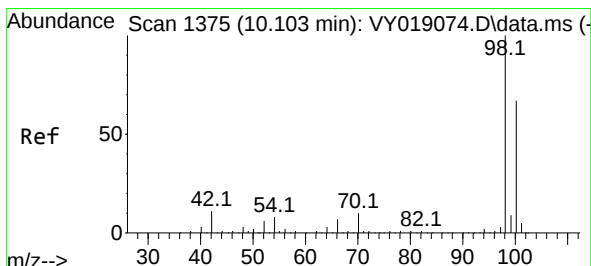
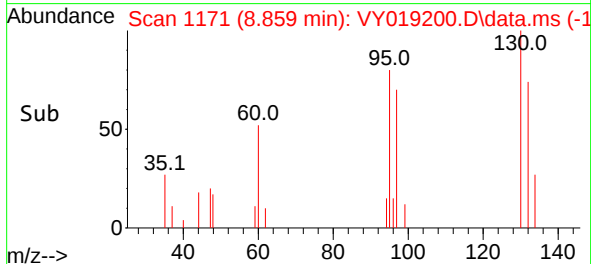
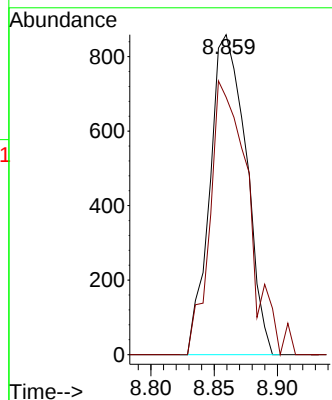
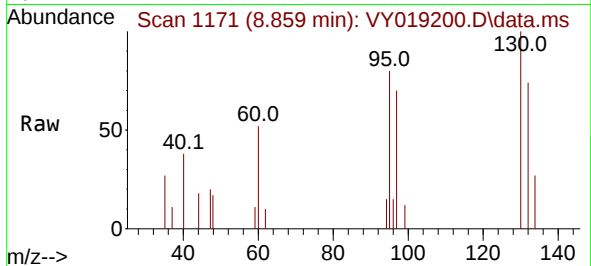




#44
 Trichloroethene
 Concen: 1.438 ug/l
 RT: 8.859 min Scan# 1171
 Delta R.T. 0.006 min
 Lab File: VY019200.D
 Acq: 22 Aug 2024 05:21

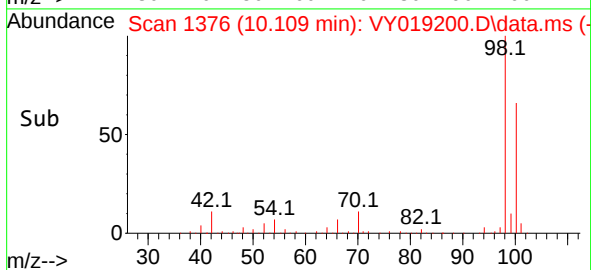
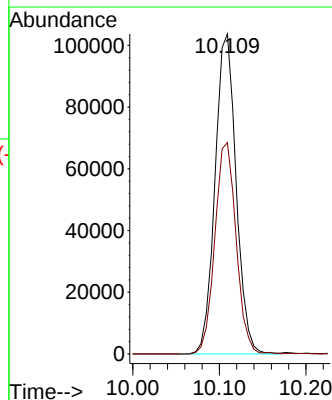
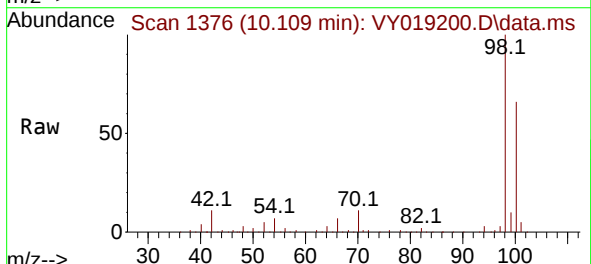
Instrument :
 MSVOA_Y
 ClientSampleId :

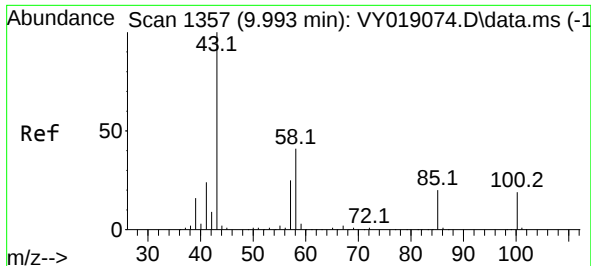
Tgt Ion:130 Resp: 1708
 Ion Ratio Lower Upper
 130 100
 95 80.4 0.0 188.0



#50
 Toluene-d8
 Concen: 48.171 ug/l
 RT: 10.109 min Scan# 1376
 Delta R.T. 0.006 min
 Lab File: VY019200.D
 Acq: 22 Aug 2024 05:21

Tgt Ion: 98 Resp: 175245
 Ion Ratio Lower Upper
 98 100
 100 66.7 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 1.036 ug/l

RT: 10.109 min Scan# 11

Delta R.T. 0.116 min

Lab File: VY019200.D

Acq: 22 Aug 2024 05:21

Instrument :

MSVOA_Y

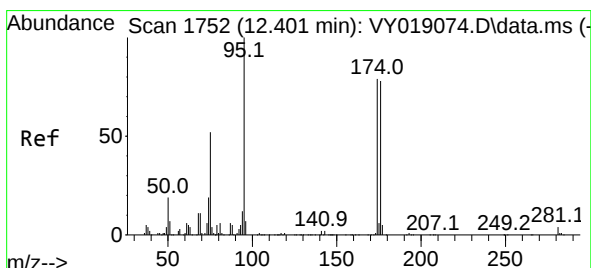
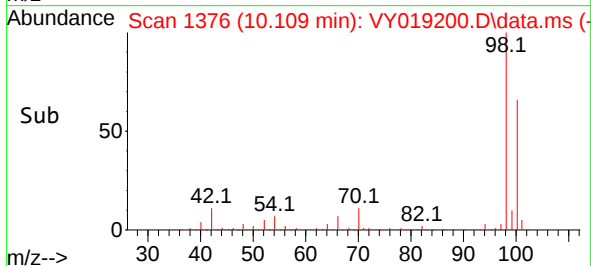
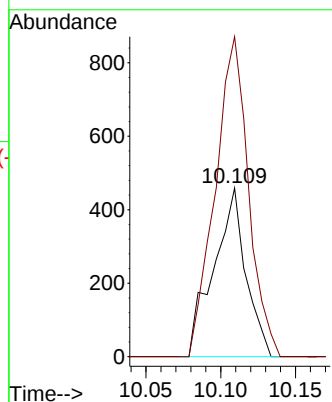
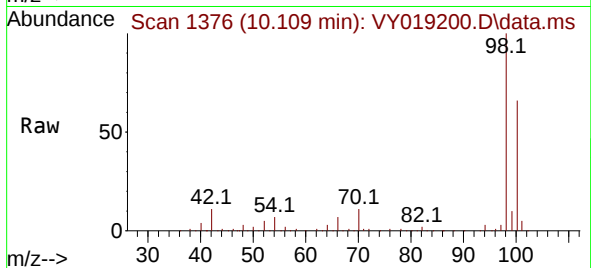
ClientSampleId :

Tgt Ion: 43 Resp: 684

Ion Ratio Lower Upper

43 100

58 197.4 35.7 53.5#



#62

4-Bromofluorobenzene

Concen: 44.029 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY019200.D

Acq: 22 Aug 2024 05:21

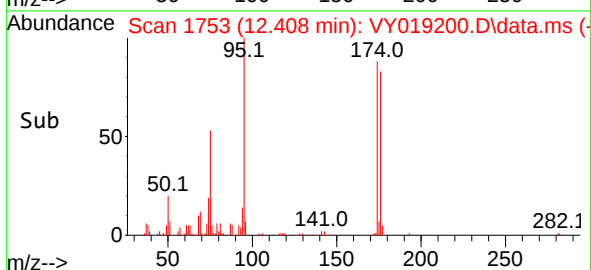
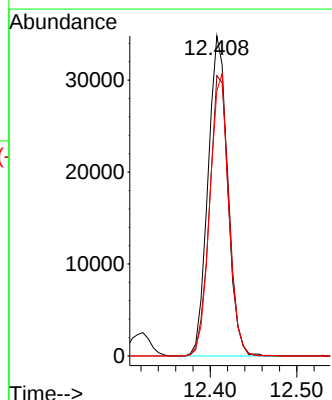
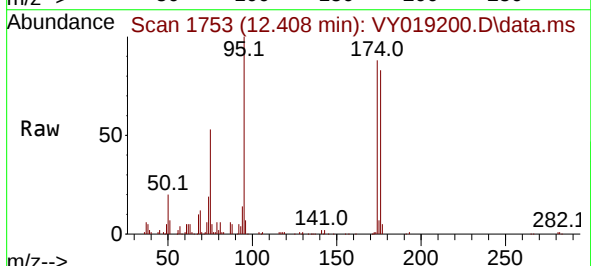
Tgt Ion: 95 Resp: 54604

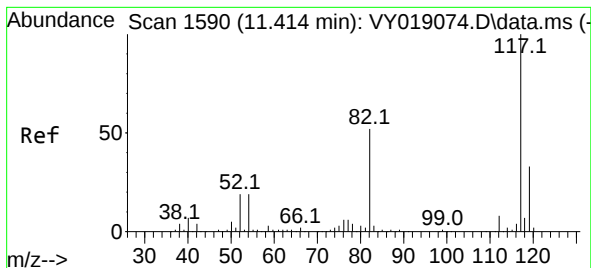
Ion Ratio Lower Upper

95 100

174 87.1 0.0 175.6

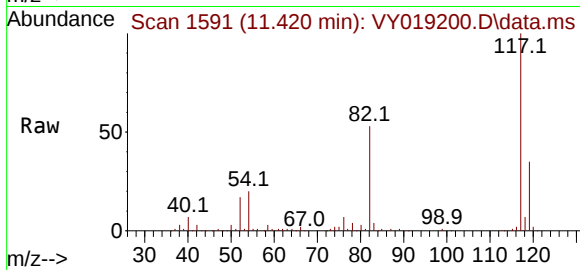
176 84.6 0.0 171.4



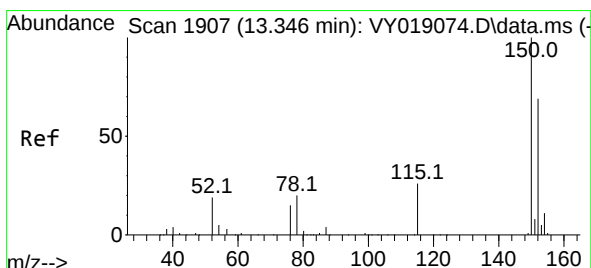
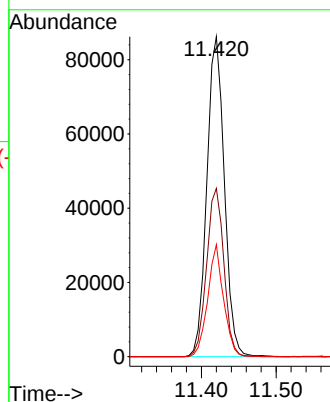
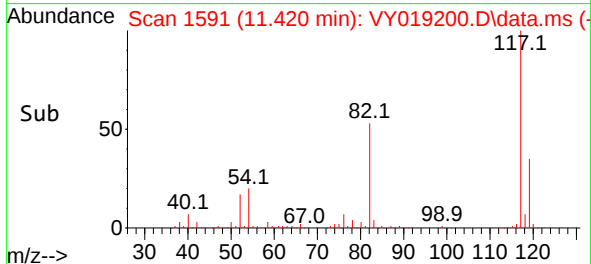


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY019200.D
Acq: 22 Aug 2024 05:21

Instrument :
MSVOA_Y
ClientSampleId :

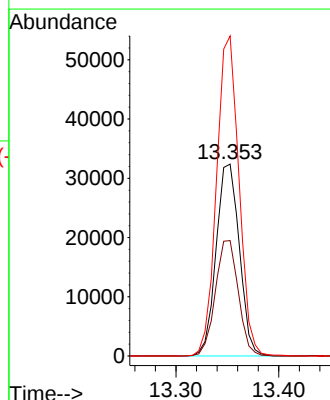
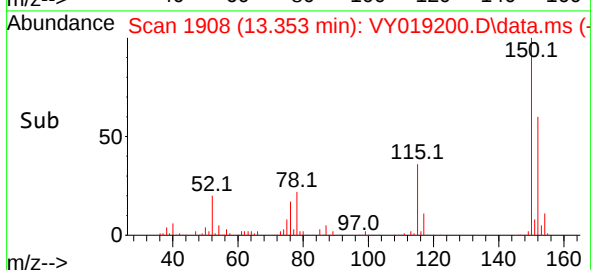
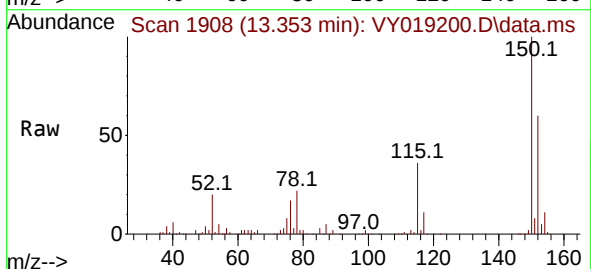


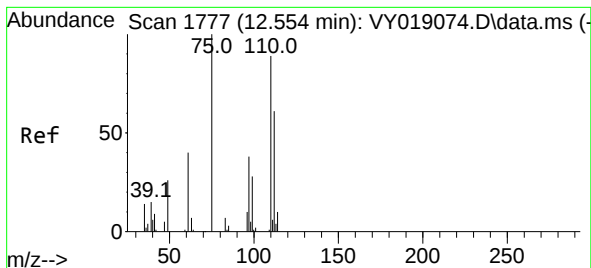
Tgt Ion:117 Resp: 140381
Ion Ratio Lower Upper
117 100
82 52.6 42.4 63.6
119 35.0 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY019200.D
Acq: 22 Aug 2024 05:21

Tgt Ion:152 Resp: 50718
Ion Ratio Lower Upper
152 100
115 59.5 28.2 84.7
150 160.9 0.0 345.6

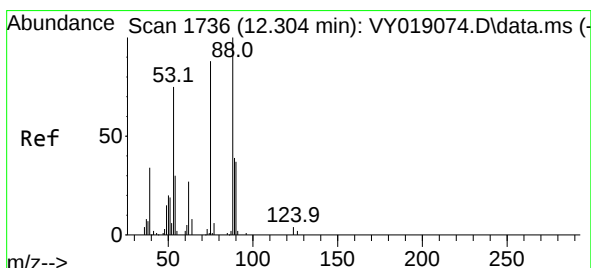
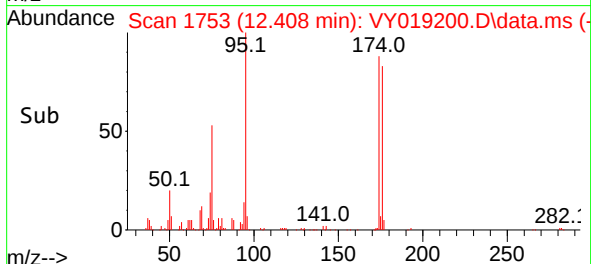
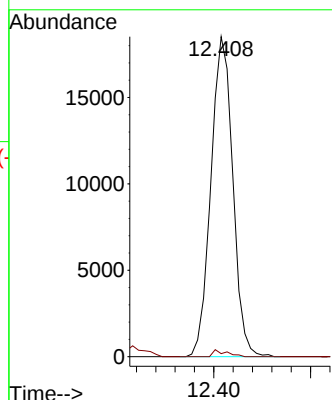
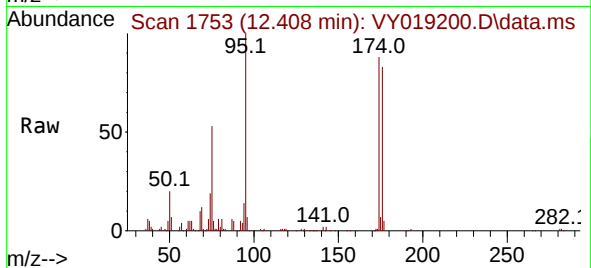




#76
1,2,3-Trichloropropane
Concen: 58.206 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY019200.D
Acq: 22 Aug 2024 05:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 29113
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 143.749 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY019200.D
Acq: 22 Aug 2024 05:21

Tgt Ion: 75 Resp: 29113
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.2 35.8 53.6#

