

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082724\
 Data File : VY019310.D
 Acq On : 28 Aug 2024 03:23
 Operator : SY/MD
 Sample : P3660-01
 Misc : 7.38g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 28 05:03:02 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)

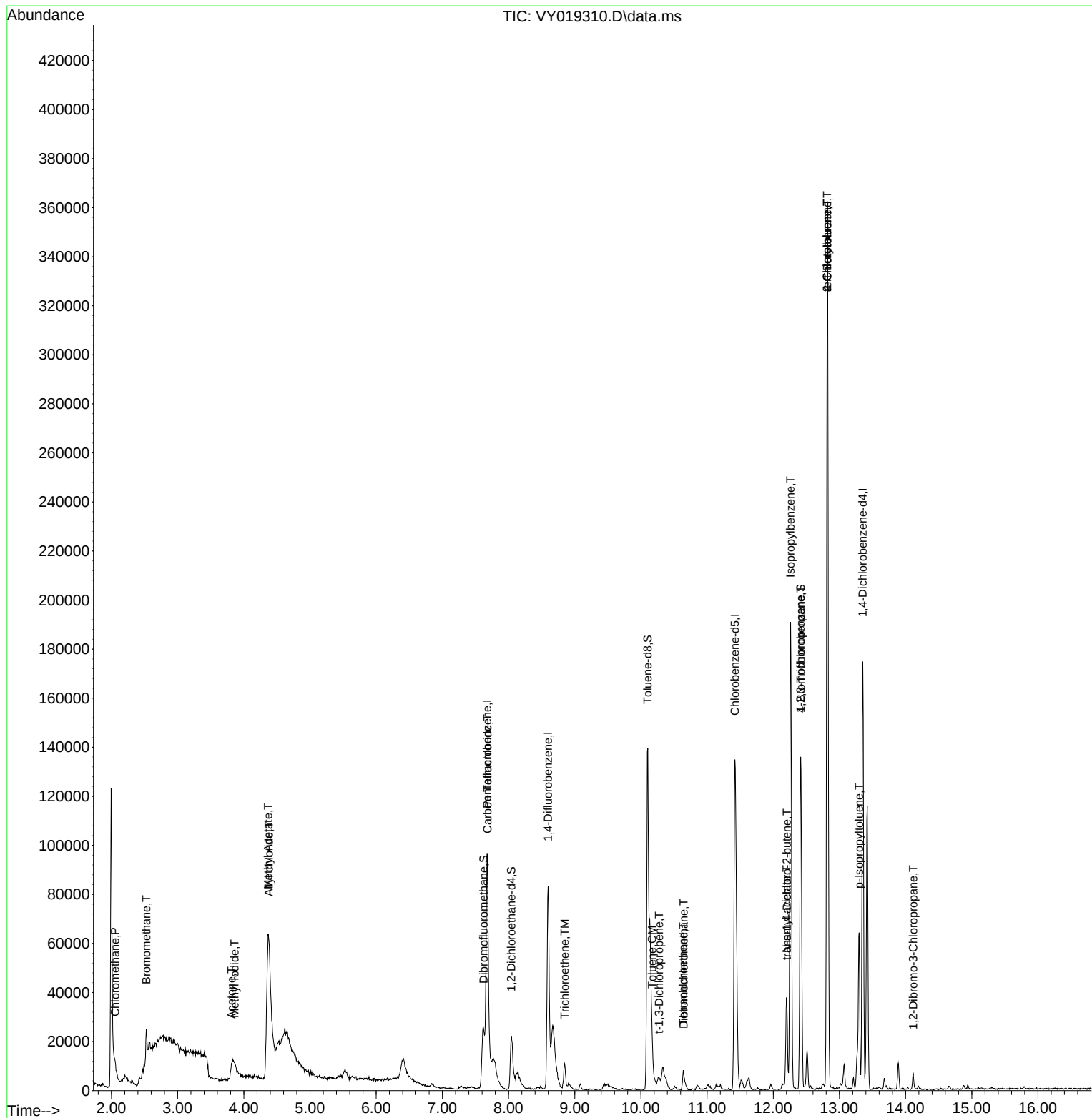
Internal Standards						
1) Pentafluorobenzene	7.677	168	78996	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.597	114	88909	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	118550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	46730	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.042	65	19996	25.252	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	50.500%		
35) Dibromofluoromethane	7.622	113	25931	44.606	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.220%		
50) Toluene-d8	10.103	98	162142	77.504	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	155.000%#		
62) 4-Bromofluorobenzene	12.414	95	44127	61.874	ug/l	0.01
Spiked Amount 50.000	Range 29 - 146		Recovery =	123.740%		
Target Compounds						Qvalue
3) Chloromethane	2.056	50	2518	2.410	ug/l	95
5) Bromomethane	2.525	94	6897	3.223	ug/l	97
10) Methyl Iodide	3.860	142	6596	7.759	ug/l	91
11) Tert butyl alcohol	4.830	59	557	Below Cal	#	58
13) Acrolein	3.629	56	22	Below Cal	#	41
14) Allyl chloride	4.378	41	2606	2.487	ug/l #	21
16) Acetone	3.812	43	498	3.391	ug/l	97
18) Methyl Acetate	4.366	43	201301	446.627	ug/l	94
20) Methylene Chloride	4.635	84	492	Below Cal	#	12
31) Cyclohexane	7.677	56	1710	Below Cal	#	35
38) Carbon Tetrachloride	7.683	117	7771	8.400	ug/l #	15
44) Trichloroethene	8.847	130	3896	5.703	ug/l	79
52) Toluene	10.170	92	2534	1.577	ug/l	91
53) t-1,3-Dichloropropene	10.274	75	3378	4.691	ug/l #	45
60) Dibromochloromethane	10.646	129	1787	2.881	ug/l #	10
64) Tetrachloroethene	10.640	164	2259	2.180	ug/l	89
73) Isopropylbenzene	12.261	105	9182	2.564	ug/l #	71
74) N-amyl acetate	12.200	43	7670	9.821	ug/l #	52
76) 1,2,3-Trichloropropane	12.414	75	23022	49.956	ug/l #	100
79) 2-Chlorotoluene	12.816	91	44911	18.709	ug/l #	39
81) trans-1,4-Dichloro-2-b...	12.206	75	1099	5.890	ug/l #	44
82) 4-Chlorotoluene	12.816	91	44911	17.983	ug/l #	39
83) tert-Butylbenzene	12.816	119	4222	1.567	ug/l #	1
86) p-Isopropyltoluene	13.298	119	36290	11.252	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.115	75	151	1.610	ug/l #	1

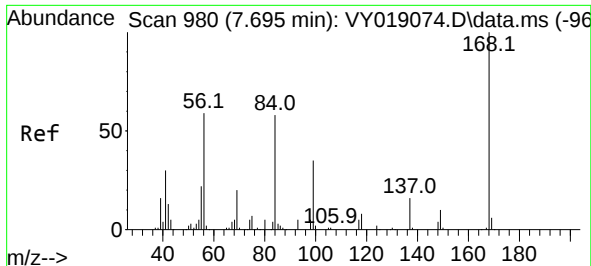
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082724\
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Quant Time: Aug 28 05:03:02 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

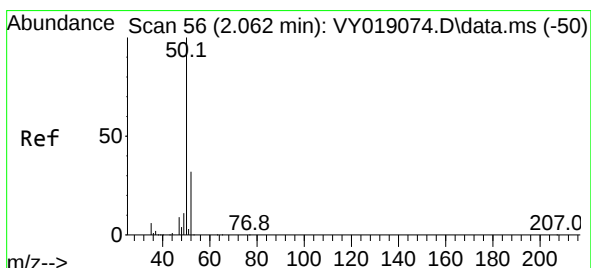
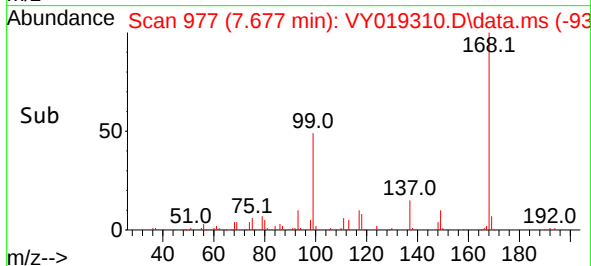
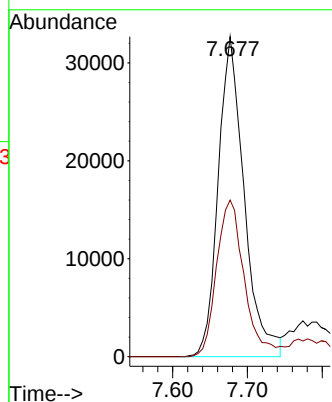
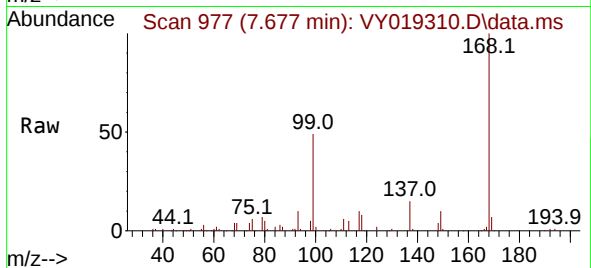




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.677 min Scan# 91
Delta R.T. -0.018 min
Lab File: VY019310.D
Acq: 28 Aug 2024 03:23

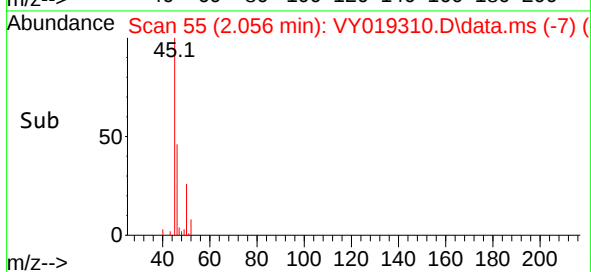
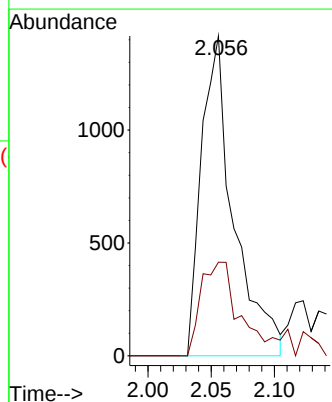
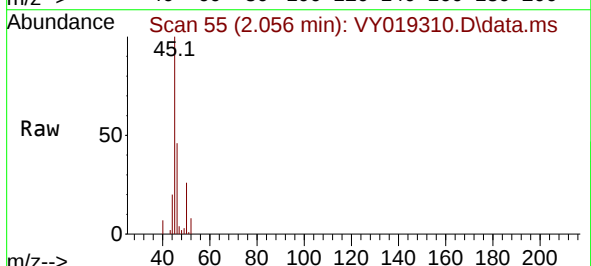
Instrument :
MSVOA_Y
ClientSampleId :

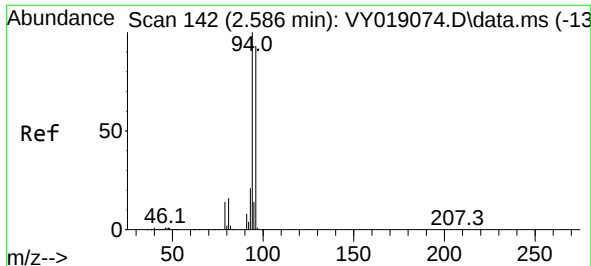
Tgt Ion:168 Resp: 78996
Ion Ratio Lower Upper
168 100
99 48.9 39.1 58.7



#3
Chloromethane
Concen: 2.410 ug/l
RT: 2.056 min Scan# 55
Delta R.T. -0.006 min
Lab File: VY019310.D
Acq: 28 Aug 2024 03:23

Tgt Ion: 50 Resp: 2518
Ion Ratio Lower Upper
50 100
52 29.3 25.6 38.4

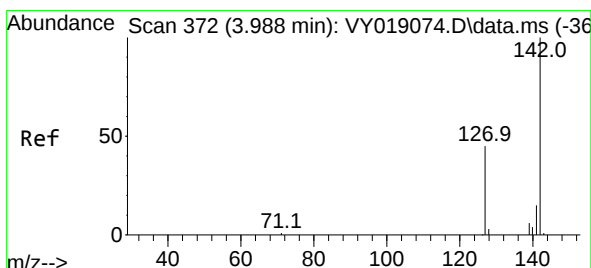
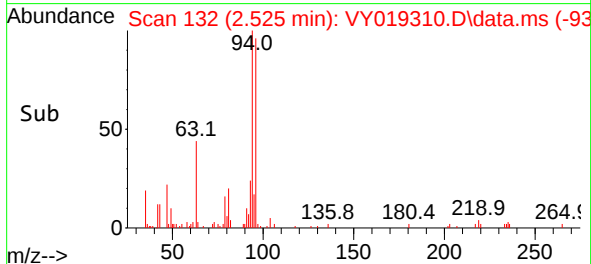
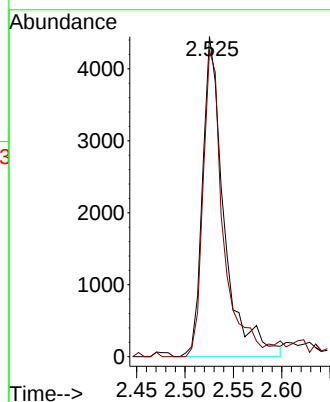
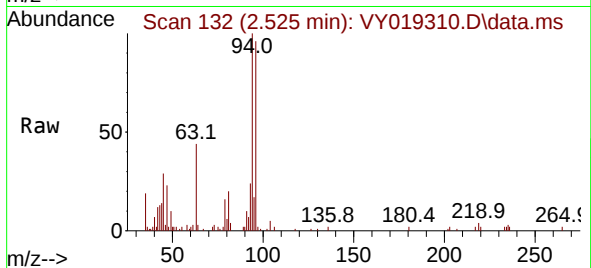




#5
Bromomethane
Concen: 3.223 ug/l
RT: 2.525 min Scan# 11
Delta R.T. -0.061 min
Lab File: VY019310.D
Acq: 28 Aug 2024 03:23

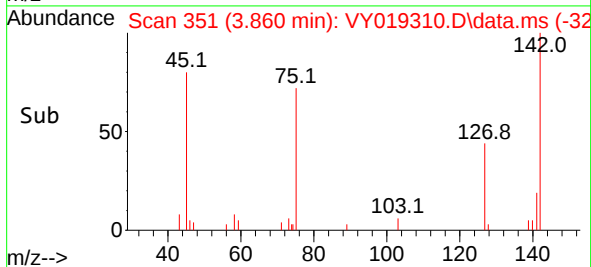
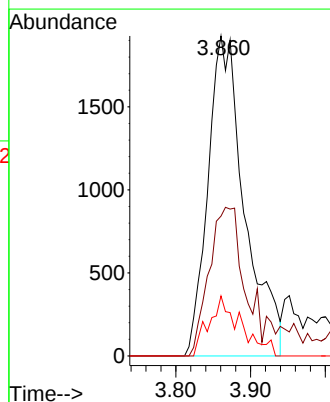
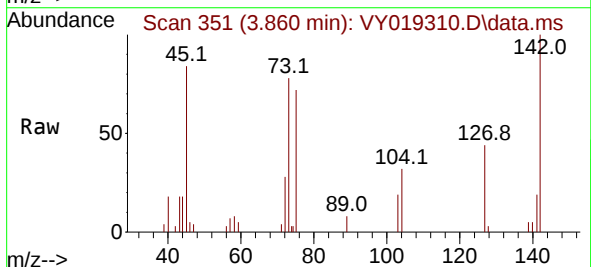
Instrument :
MSVOA_Y
ClientSampleId :

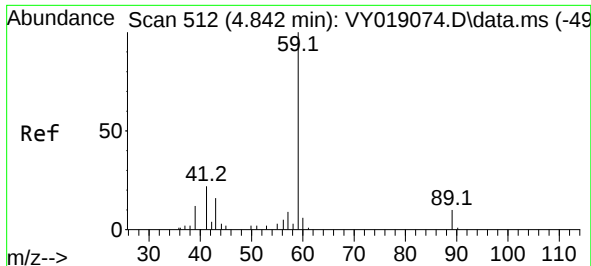
Tgt Ion: 94 Resp: 6897
Ion Ratio Lower Upper
94 100
96 95.8 74.1 111.1



#10
Methyl Iodide
Concen: 7.759 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.128 min
Lab File: VY019310.D
Acq: 28 Aug 2024 03:23

Tgt Ion: 142 Resp: 6596
Ion Ratio Lower Upper
142 100
127 47.1 32.8 49.2
141 16.3 11.4 17.2

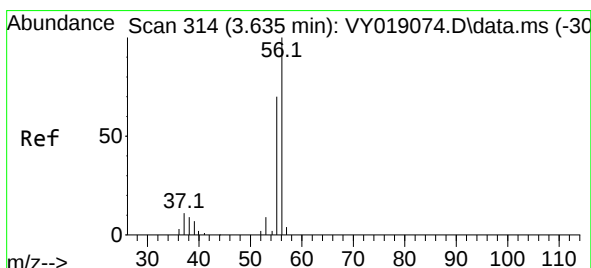
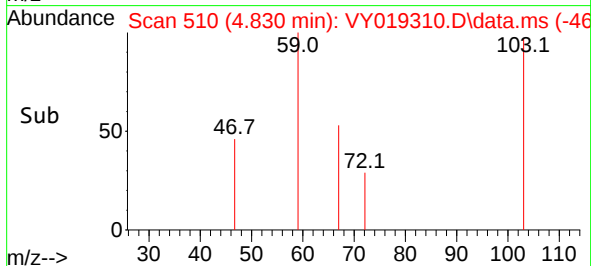
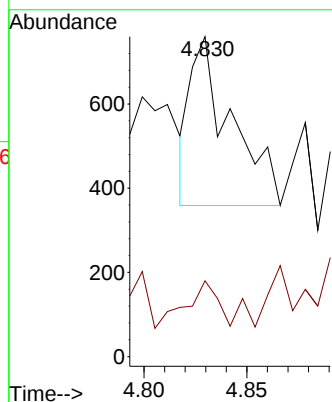
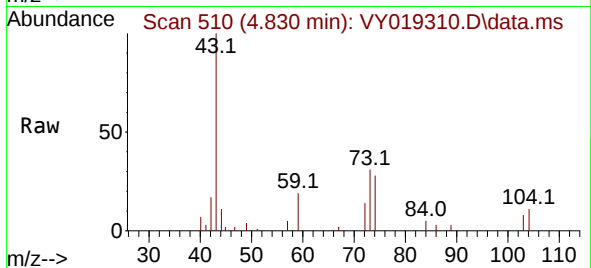




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.830 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY019310.D
Acq: 28 Aug 2024 03:23

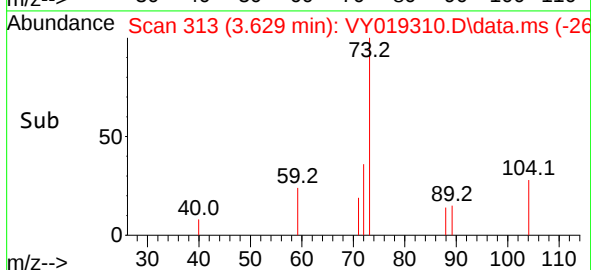
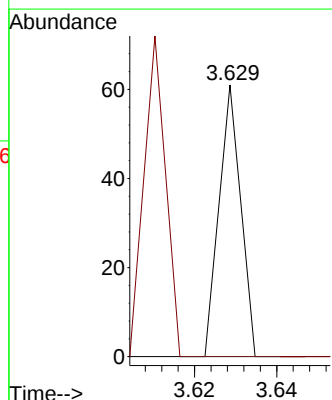
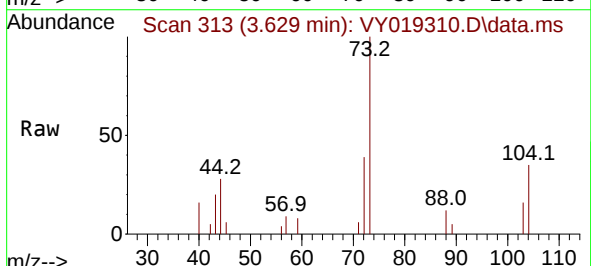
Instrument :
MSVOA_Y
ClientSampleId :

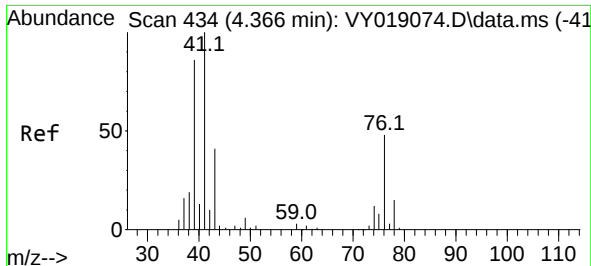
Tgt Ion: 59 Resp: 557
Ion Ratio Lower Upper
59 100
57 17.6 3.0 4.6#



#13
Acrolein
Concen: Below Cal
RT: 3.629 min Scan# 313
Delta R.T. -0.006 min
Lab File: VY019310.D
Acq: 28 Aug 2024 03:23

Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 118.2 55.7 83.5#

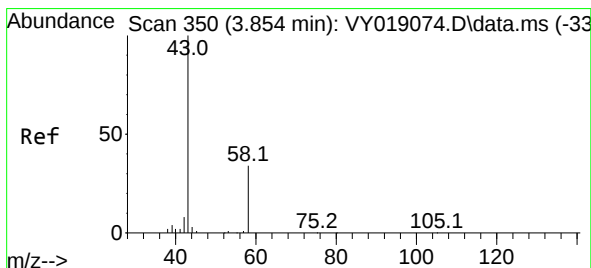
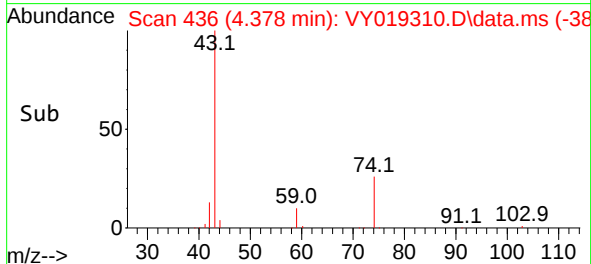
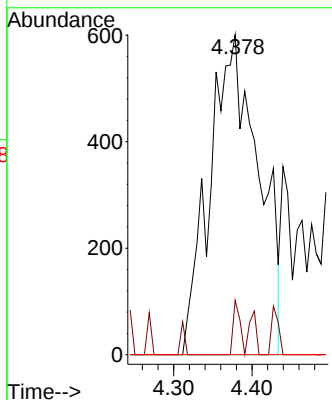
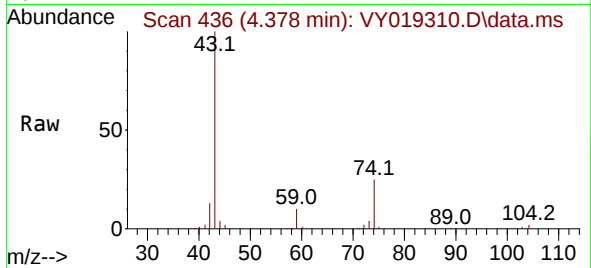




#14
 Allyl chloride
 Concen: 2.487 ug/l
 RT: 4.378 min Scan# 41
 Delta R.T. 0.012 min
 Lab File: VY019310.D
 Acq: 28 Aug 2024 03:23

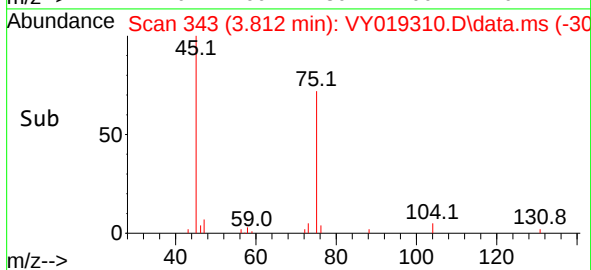
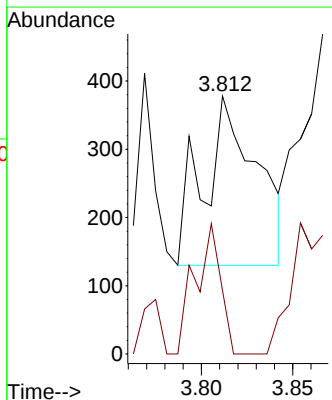
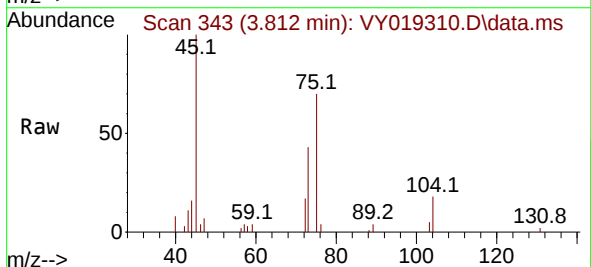
Instrument :
 MSVOA_Y
 ClientSampleId :

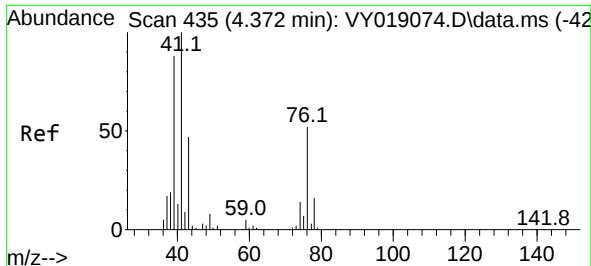
Tgt Ion: 41 Resp: 2606
 Ion Ratio Lower Upper
 41 100
 39 2.3 58.3 87.5#
 76 0.0 39.0 58.6#



#16
 Acetone
 Concen: 3.391 ug/l
 RT: 3.812 min Scan# 343
 Delta R.T. -0.042 min
 Lab File: VY019310.D
 Acq: 28 Aug 2024 03:23

Tgt Ion: 43 Resp: 498
 Ion Ratio Lower Upper
 43 100
 58 37.5 31.7 47.5

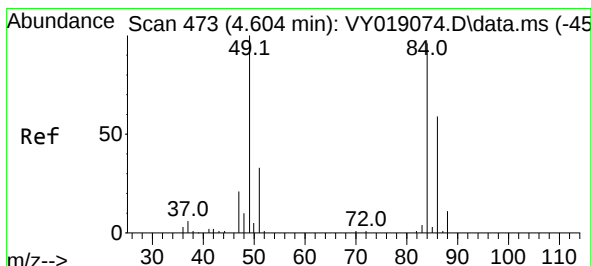
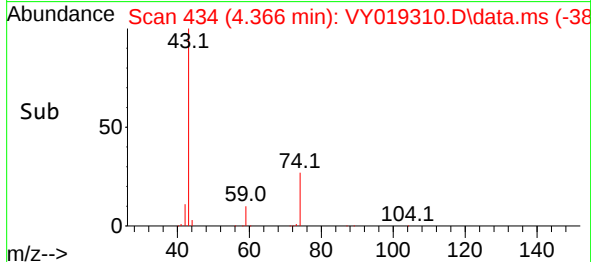
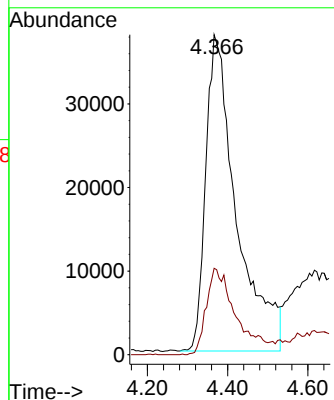
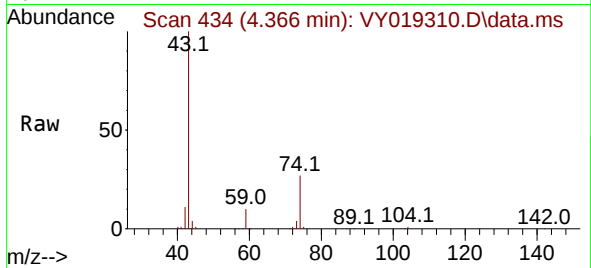




#18
Methyl Acetate
Concen: 446.627 ug/l
RT: 4.366 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY019310.D
Acq: 28 Aug 2024 03:23

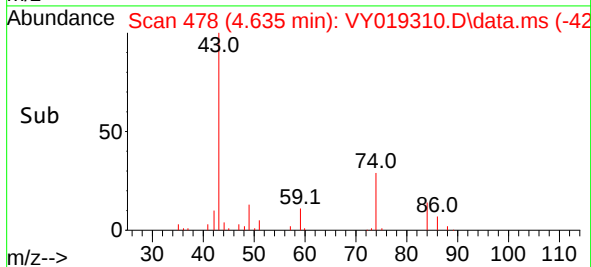
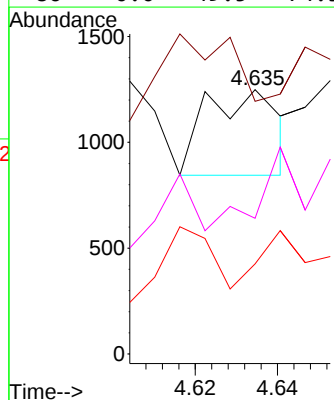
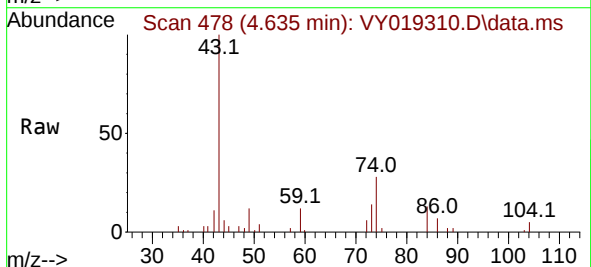
Instrument :
MSVOA_Y
ClientSampleId :

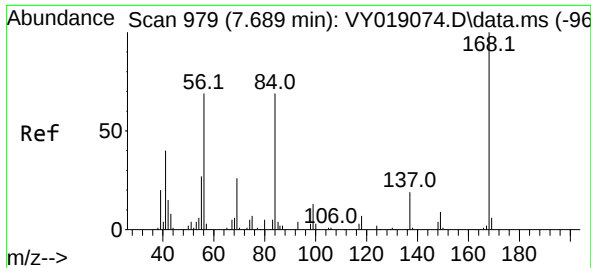
Tgt Ion: 43 Resp: 201301
Ion Ratio Lower Upper
43 100
74 26.1 23.3 34.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.635 min Scan# 478
Delta R.T. 0.031 min
Lab File: VY019310.D
Acq: 28 Aug 2024 03:23

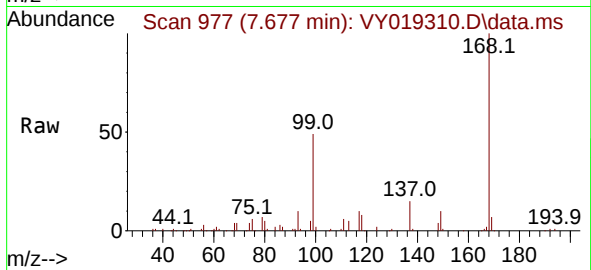
Tgt Ion: 84 Resp: 492
Ion Ratio Lower Upper
84 100
49 0.0 84.4 126.6#
51 0.0 26.0 39.0#
86 0.0 49.5 74.3#



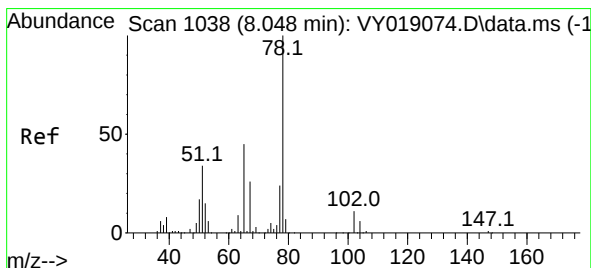
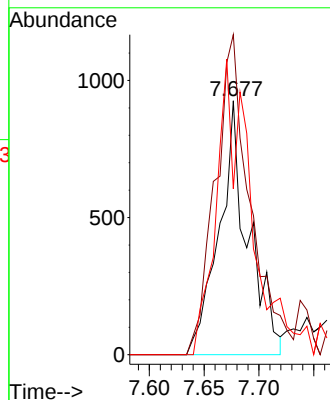
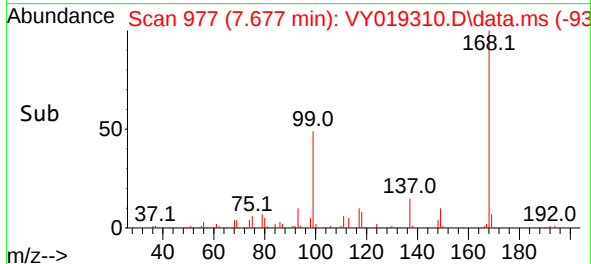


#31
Cyclohexane
Concen: Below Cal
RT: 7.677 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY019310.D
Acq: 28 Aug 2024 03:23

Instrument :
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ClientSampleId :

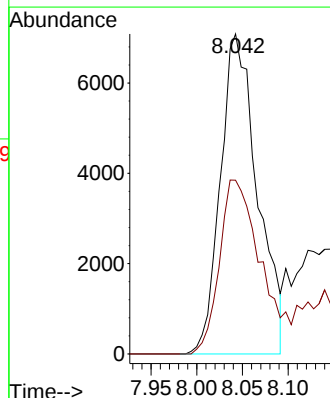
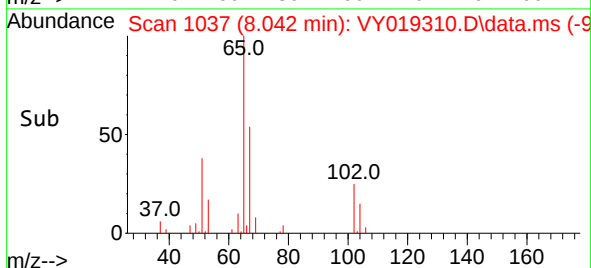
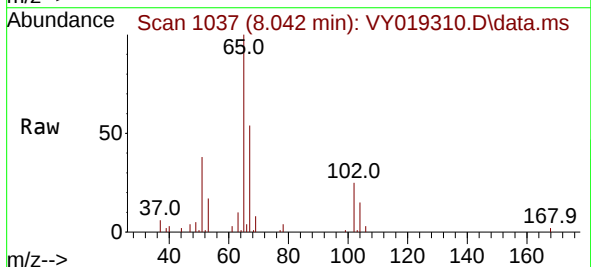


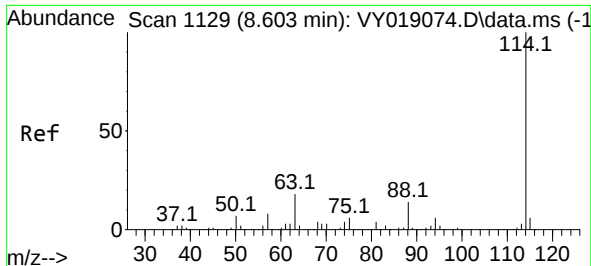
Tgt Ion: 56 Resp: 1710
Ion Ratio Lower Upper
56 100
69 126.0 28.7 43.1#
84 65.3 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 25.252 ug/l
RT: 8.042 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY019310.D
Acq: 28 Aug 2024 03:23

Tgt Ion: 65 Resp: 19996
Ion Ratio Lower Upper
65 100
67 60.9 0.0 109.6

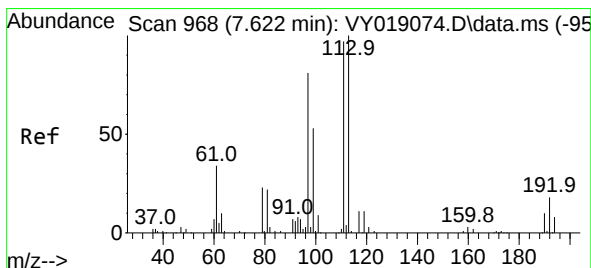
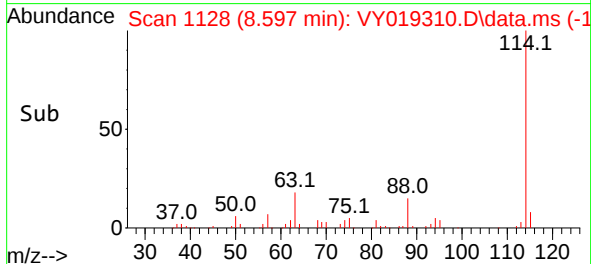
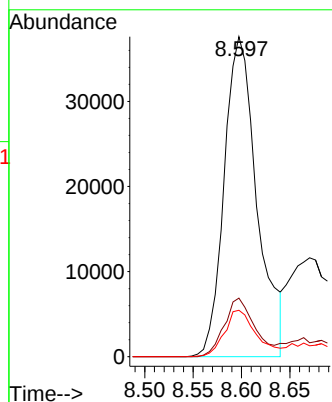
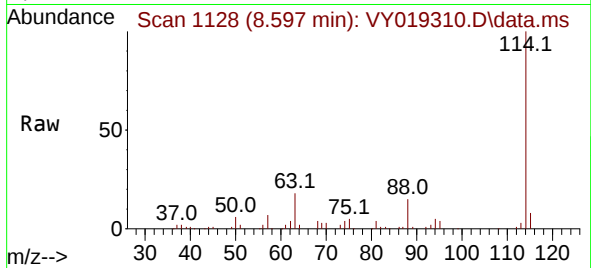




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.597 min Scan# 1128
Delta R.T. -0.006 min
Lab File: VY019310.D
Acq: 28 Aug 2024 03:23

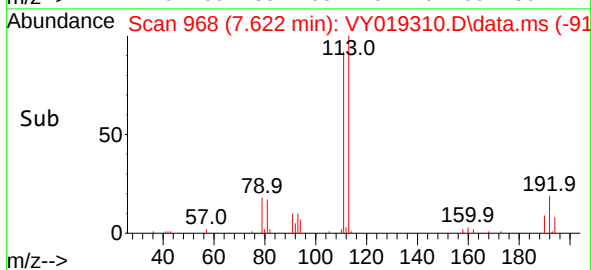
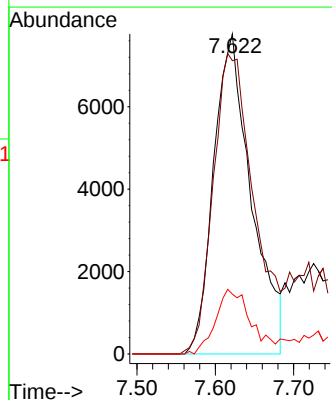
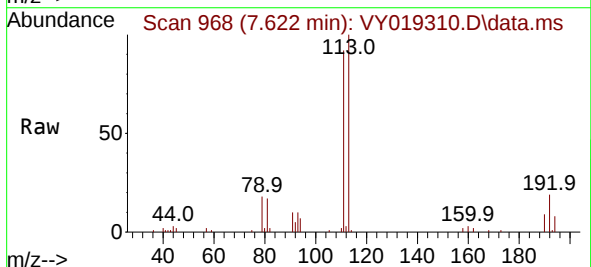
Instrument :
MSVOA_Y
ClientSampleId :

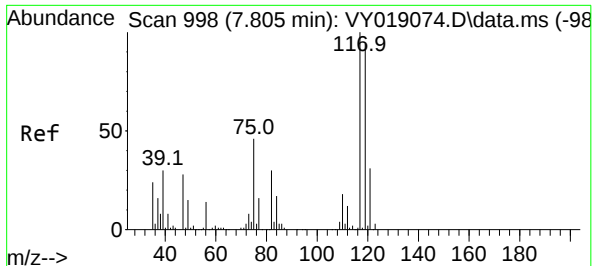
Tgt Ion:114 Resp: 88909
Ion Ratio Lower Upper
114 100
63 18.3 0.0 35.0
88 14.5 0.0 27.2



#35
Dibromofluoromethane
Concen: 44.606 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY019310.D
Acq: 28 Aug 2024 03:23

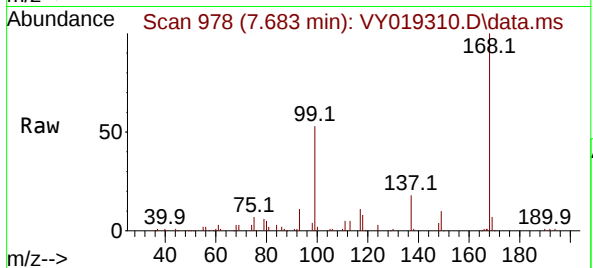
Tgt Ion:113 Resp: 25931
Ion Ratio Lower Upper
113 100
111 101.7 82.2 123.4
192 18.9 15.9 23.9



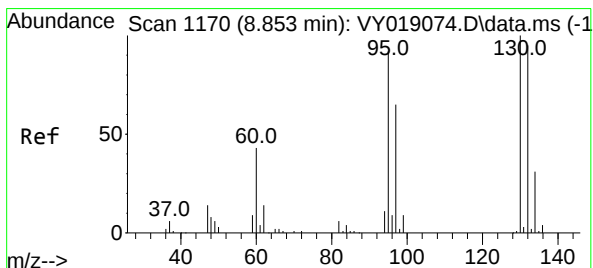
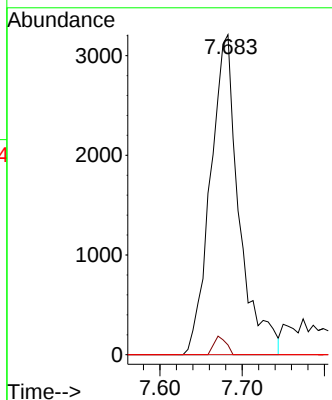
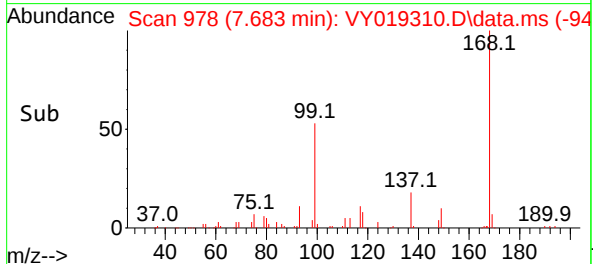


#38
Carbon Tetrachloride
Concen: 8.400 ug/l
RT: 7.683 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY019310.D
Acq: 28 Aug 2024 03:23

Instrument :
MSVOA_Y
ClientSampleId :

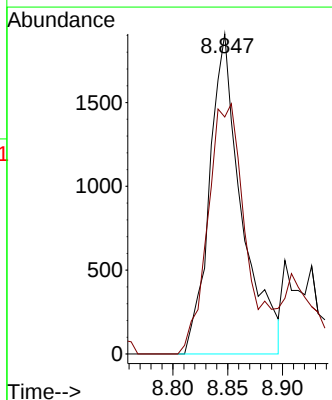
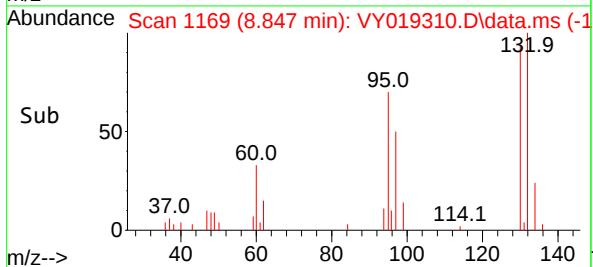
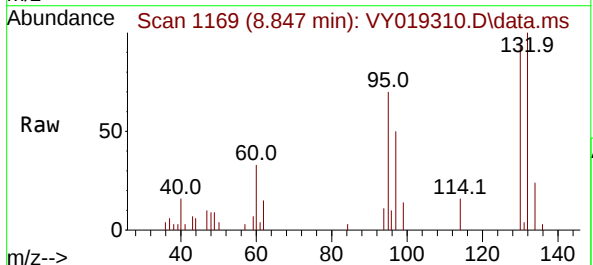


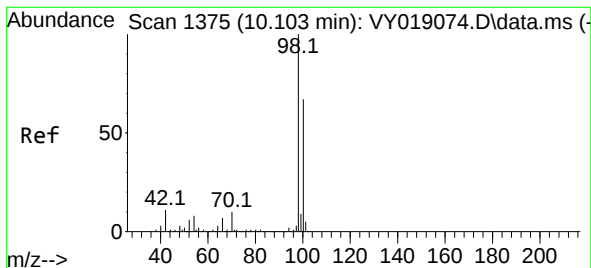
Tgt Ion:117 Resp: 7771
Ion Ratio Lower Upper
117 100
119 3.1 75.8 113.6#
121 0.0 24.0 36.0#



#44
Trichloroethene
Concen: 5.703 ug/l
RT: 8.847 min Scan# 1169
Delta R.T. -0.006 min
Lab File: VY019310.D
Acq: 28 Aug 2024 03:23

Tgt Ion:130 Resp: 3896
Ion Ratio Lower Upper
130 100
95 74.1 0.0 188.0





#50

Toluene-d8

Concen: 77.504 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY019310.D

Acq: 28 Aug 2024 03:23

Instrument :

MSVOA_Y

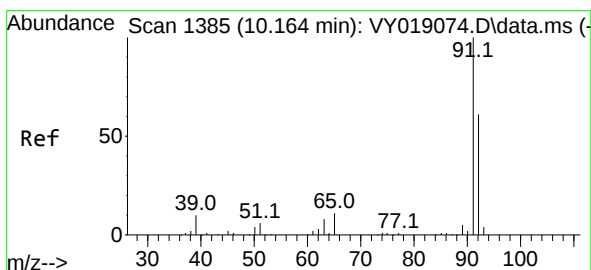
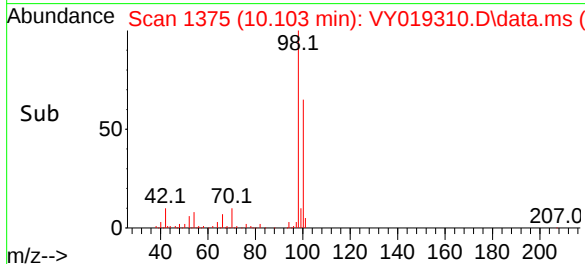
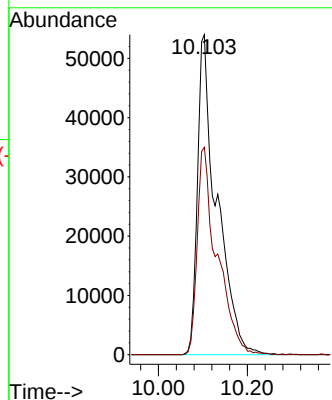
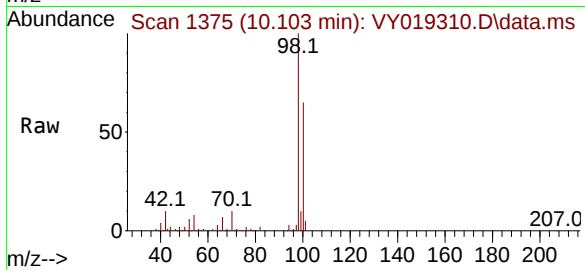
ClientSampleId :

Tgt Ion: 98 Resp: 162142

Ion Ratio Lower Upper

98 100

100 66.5 52.0 78.0



#52

Toluene

Concen: 1.577 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.006 min

Lab File: VY019310.D

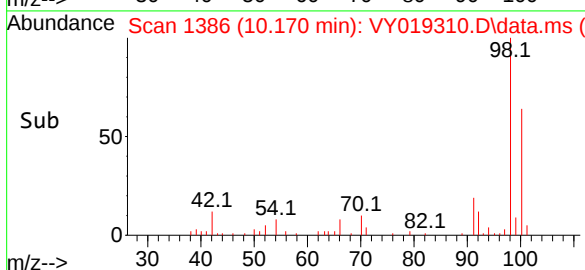
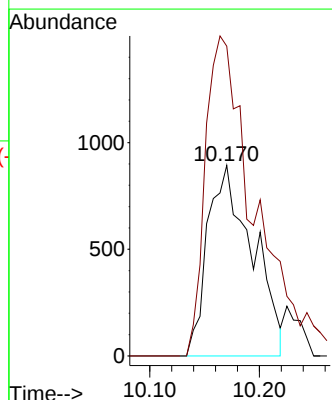
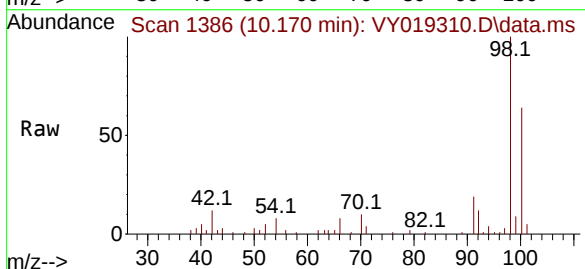
Acq: 28 Aug 2024 03:23

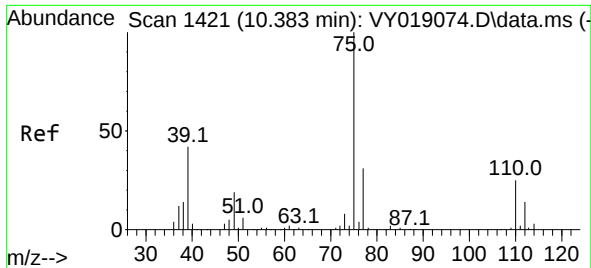
Tgt Ion: 92 Resp: 2534

Ion Ratio Lower Upper

92 100

91 186.2 139.0 208.6

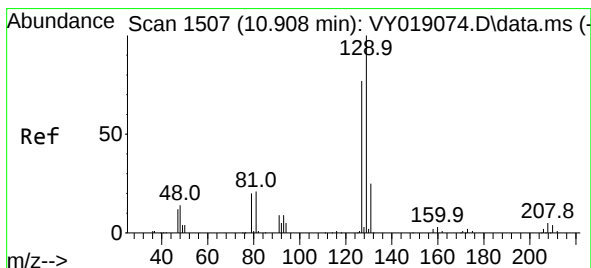
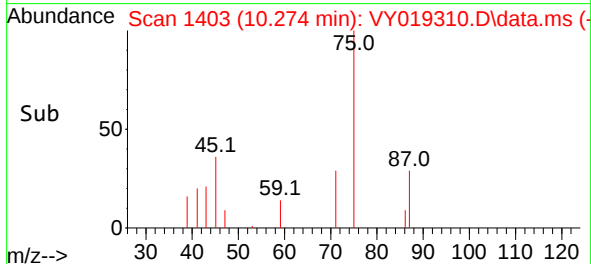
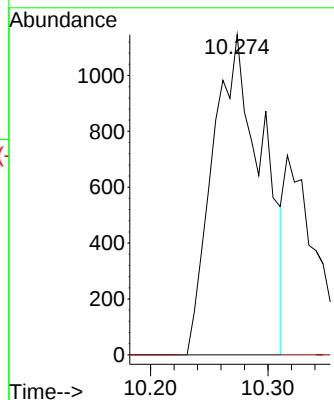
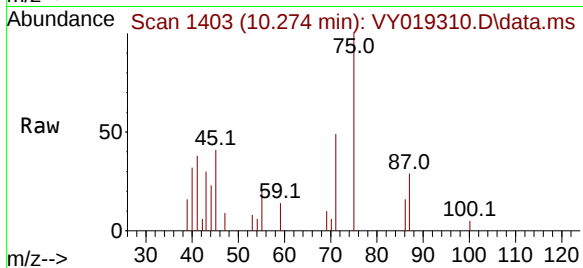




#53
t-1,3-Dichloropropene
Concen: 4.691 ug/l
RT: 10.274 min Scan# 1421
Delta R.T. -0.110 min
Lab File: VY019310.D
Acq: 28 Aug 2024 03:23

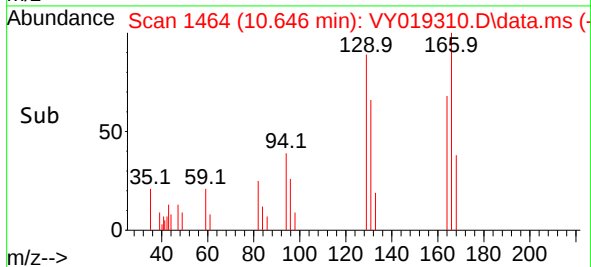
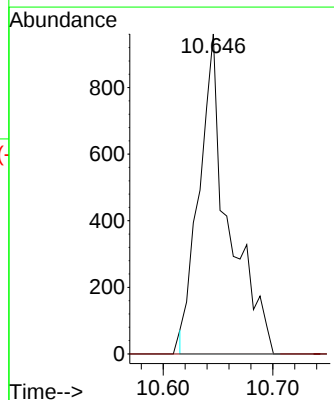
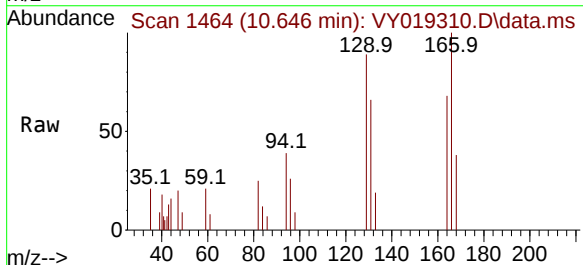
Instrument :
MSVOA_Y
ClientSampleId :

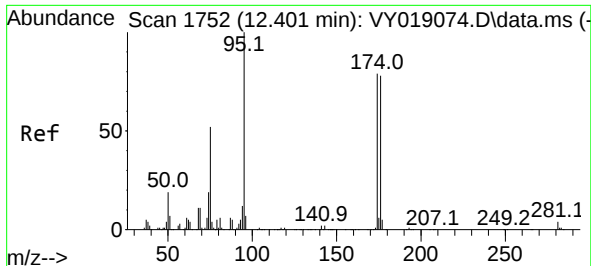
Tgt Ion: 75 Resp: 3378
Ion Ratio Lower Upper
75 100
77 0.0 24.1 36.1#



#60
Dibromochloromethane
Concen: 2.881 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.262 min
Lab File: VY019310.D
Acq: 28 Aug 2024 03:23

Tgt Ion:129 Resp: 1787
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#

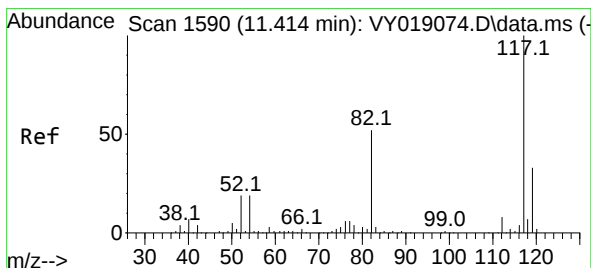
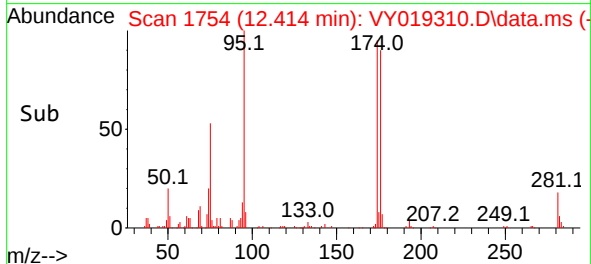
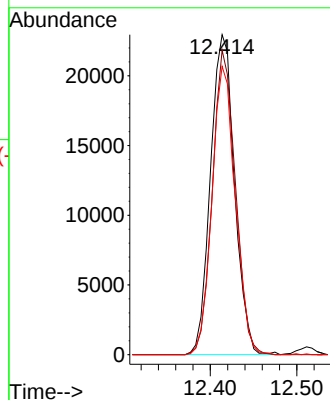
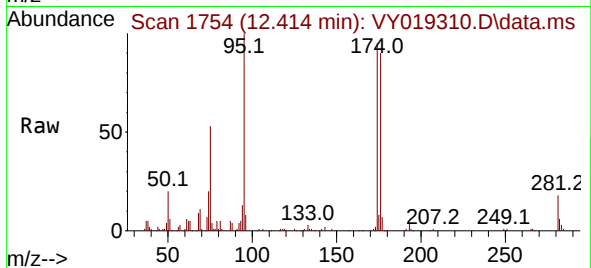




#62
4-Bromofluorobenzene
Concen: 61.874 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.012 min
Lab File: VY019310.D
Acq: 28 Aug 2024 03:23

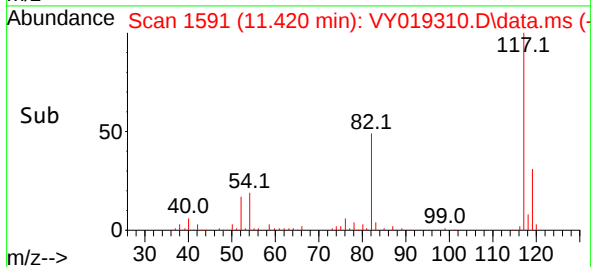
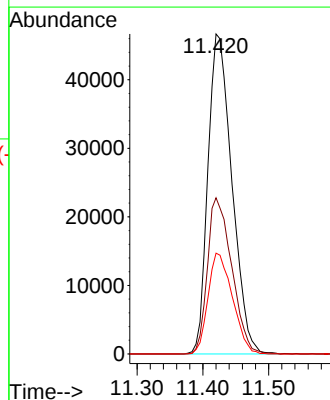
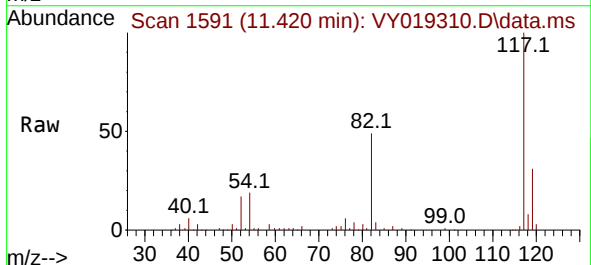
Instrument :
MSVOA_Y
ClientSampleId :

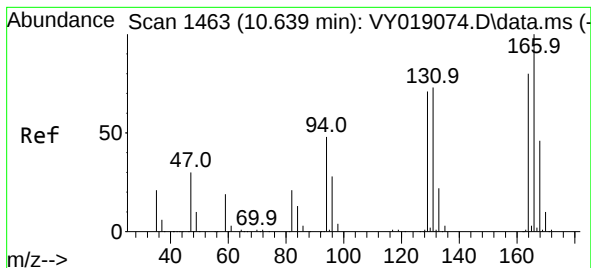
Tgt Ion: 95 Resp: 44127
Ion Ratio Lower Upper
95 100
174 91.4 0.0 175.6
176 87.6 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY019310.D
Acq: 28 Aug 2024 03:23

Tgt Ion: 117 Resp: 118550
Ion Ratio Lower Upper
117 100
82 48.8 42.4 63.6
119 31.5 25.9 38.9





#64

Tetrachloroethene

Concen: 2.180 ug/l

RT: 10.640 min Scan# 1463

Delta R.T. 0.000 min

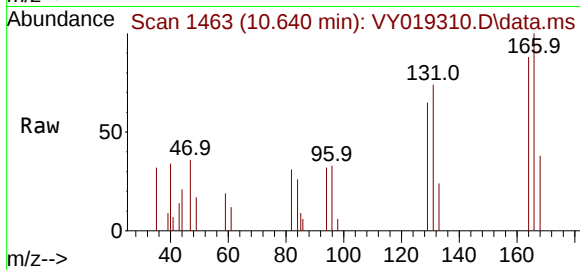
Lab File: VY019310.D

Acq: 28 Aug 2024 03:23

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:164 Resp: 2259

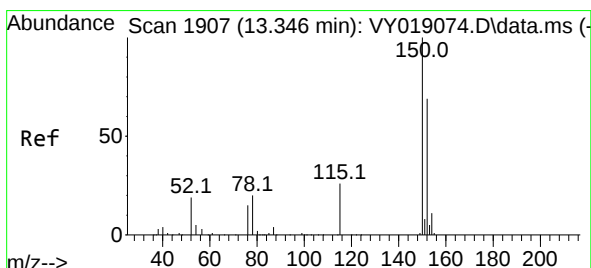
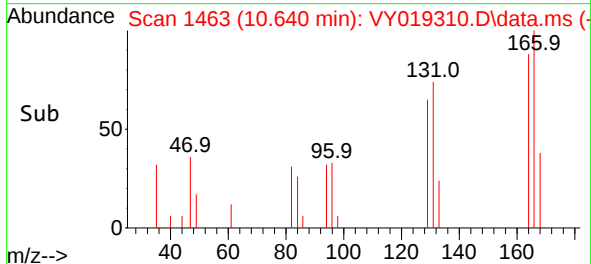
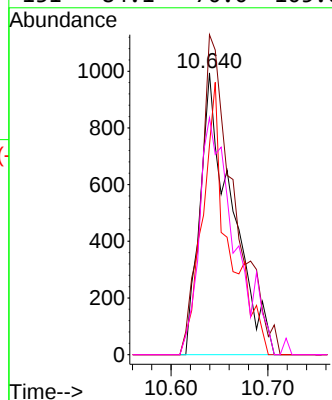
Ion Ratio Lower Upper

164 100

166 113.6 102.6 154.0

129 74.3 72.0 108.0

131 84.1 70.0 105.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY019310.D

Acq: 28 Aug 2024 03:23

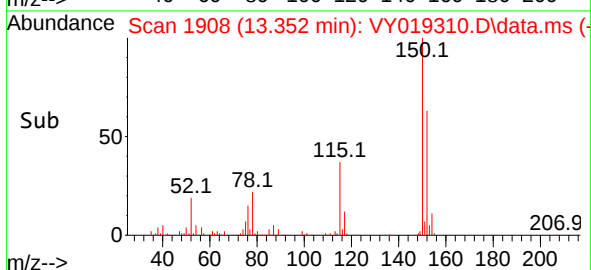
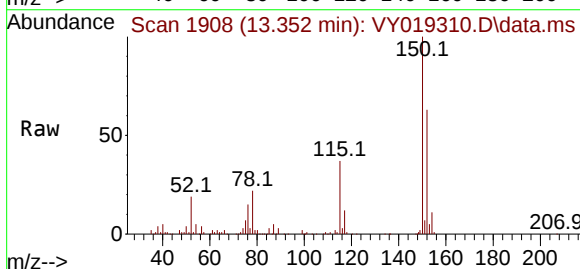
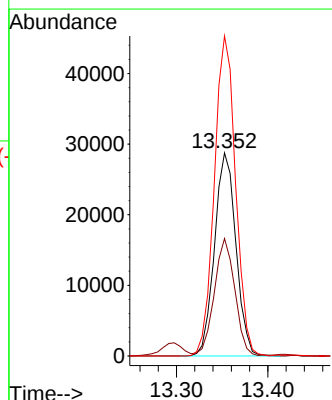
Tgt Ion:152 Resp: 46730

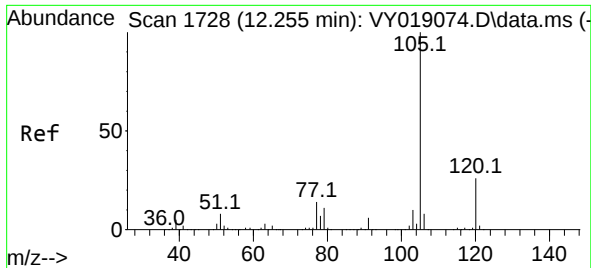
Ion Ratio Lower Upper

152 100

115 54.8 28.2 84.7

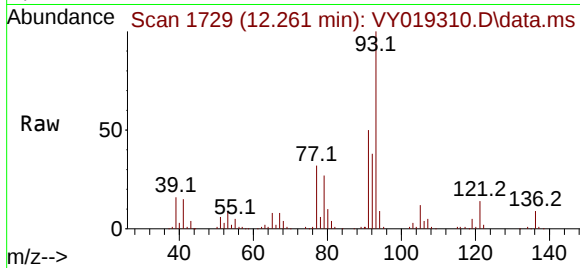
150 156.4 0.0 345.6



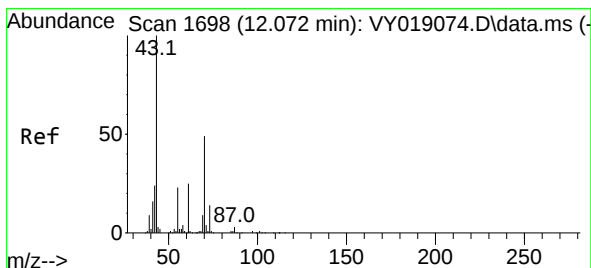
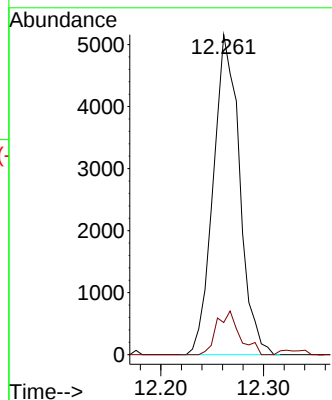
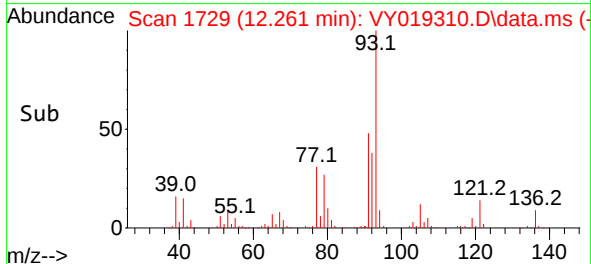


#73
Isopropylbenzene
Concen: 2.564 ug/l
RT: 12.261 min Scan# 1719
Delta R.T. 0.006 min
Lab File: VY019310.D
Acq: 28 Aug 2024 03:23

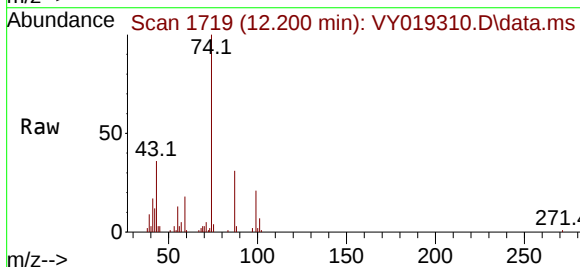
Instrument :
MSVOA_Y
ClientSampleId :



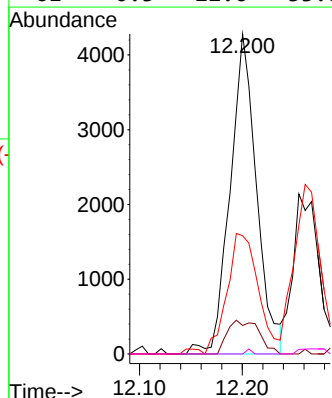
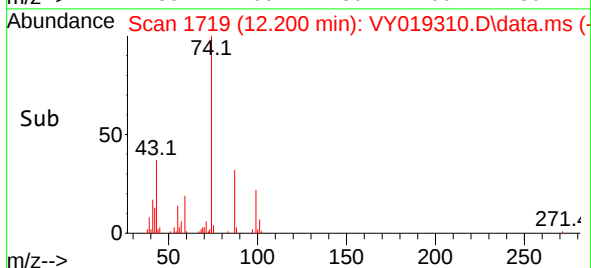
Tgt Ion:105 Resp: 9182
Ion Ratio Lower Upper
105 100
120 11.8 13.4 40.1#

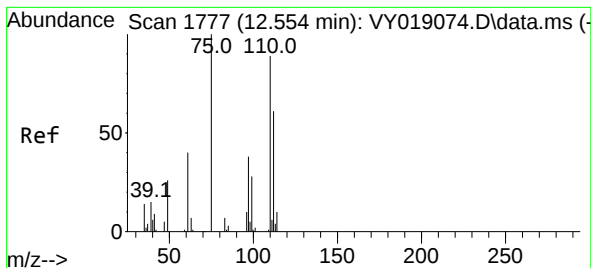


#74
N-ethyl acetate
Concen: 9.821 ug/l
RT: 12.200 min Scan# 1719
Delta R.T. 0.128 min
Lab File: VY019310.D
Acq: 28 Aug 2024 03:23



Tgt Ion: 43 Resp: 7670
Ion Ratio Lower Upper
43 100
70 12.5 41.4 62.2#
55 45.4 23.3 34.9#
61 0.3 22.6 33.8#





#76

1,2,3-Trichloropropane

Concen: 49.956 ug/l

RT: 12.414 min Scan# 11

Delta R.T. -0.140 min

Lab File: VY019310.D

Acq: 28 Aug 2024 03:23

Instrument :

MSVOA_Y

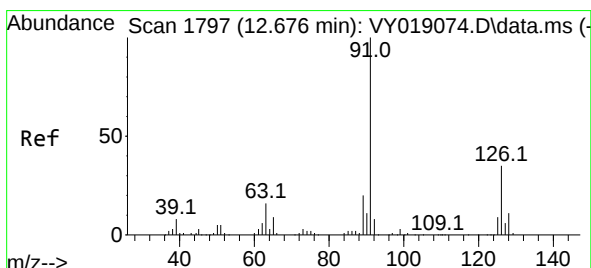
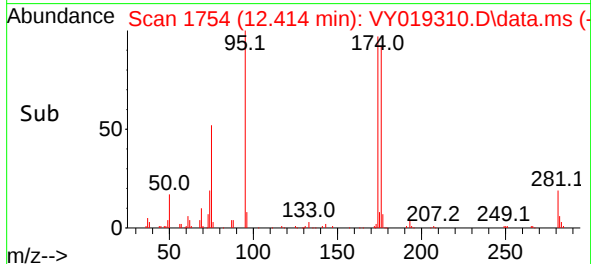
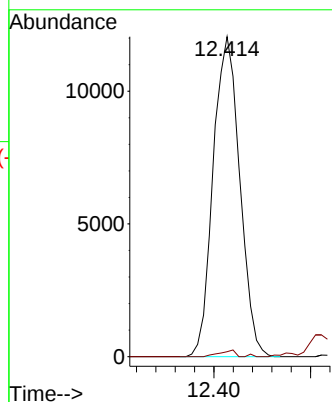
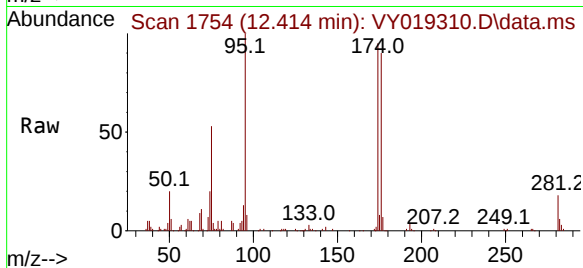
ClientSampleId :

Tgt Ion: 75 Resp: 23022

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#79

2-Chlorotoluene

Concen: 18.709 ug/l

RT: 12.816 min Scan# 1820

Delta R.T. 0.140 min

Lab File: VY019310.D

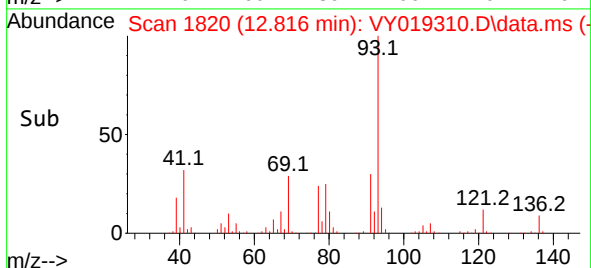
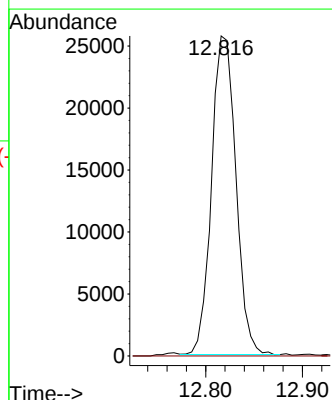
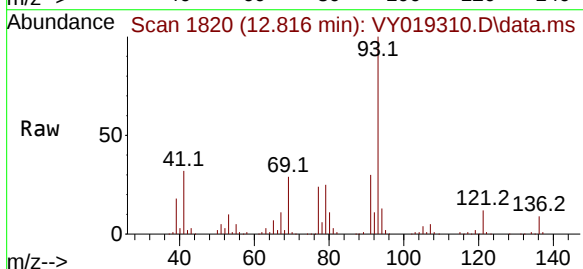
Acq: 28 Aug 2024 03:23

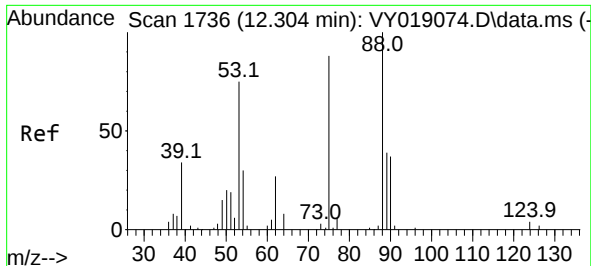
Tgt Ion: 91 Resp: 44911

Ion Ratio Lower Upper

91 100

126 0.0 17.8 53.5#

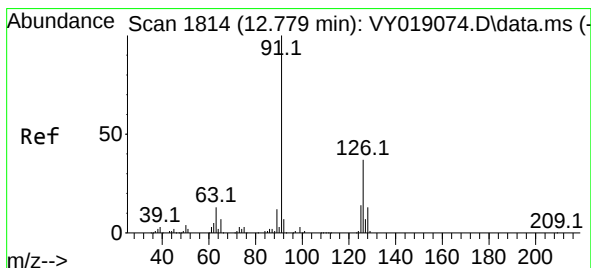
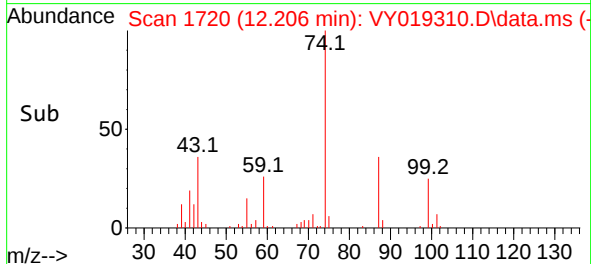
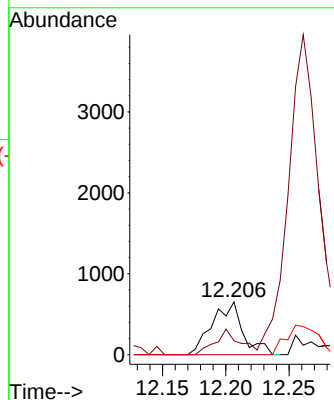
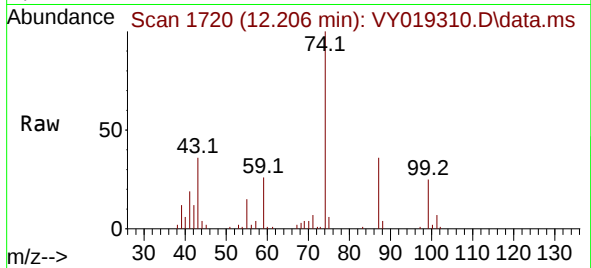




#81
trans-1,4-Dichloro-2-butene
Concen: 5.890 ug/l
RT: 12.206 min Scan# 11
Delta R.T. -0.097 min
Lab File: VY019310.D
Acq: 28 Aug 2024 03:23

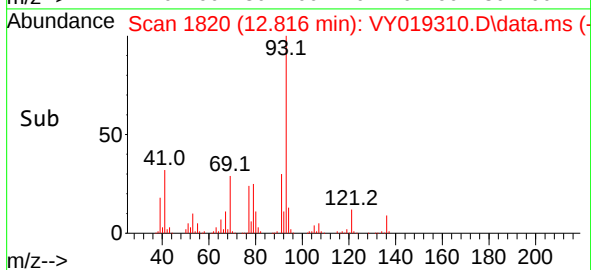
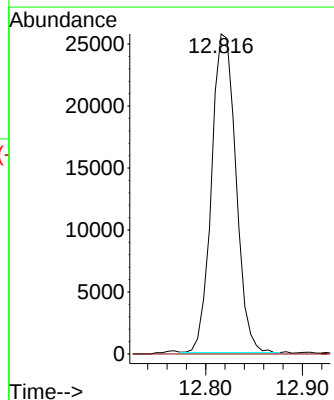
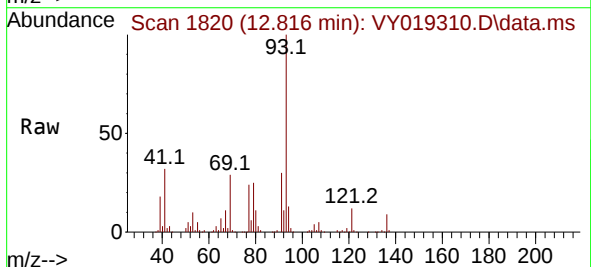
Instrument :
MSVOA_Y
ClientSampleId :

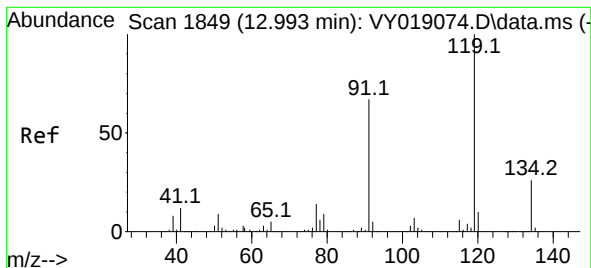
Tgt Ion: 75 Resp: 1099
Ion Ratio Lower Upper
75 100
53 39.7 66.8 100.2#
89 0.0 35.8 53.6#



#82
4-Chlorotoluene
Concen: 17.983 ug/l
RT: 12.816 min Scan# 1820
Delta R.T. 0.037 min
Lab File: VY019310.D
Acq: 28 Aug 2024 03:23

Tgt Ion: 91 Resp: 44911
Ion Ratio Lower Upper
91 100
126 0.0 17.6 52.9#





#83

tert-Butylbenzene

Concen: 1.567 ug/l

RT: 12.816 min Scan# 1820

Delta R.T. -0.177 min

Lab File: VY019310.D

Acq: 28 Aug 2024 03:23

Instrument :

MSVOA_Y

ClientSampleId :

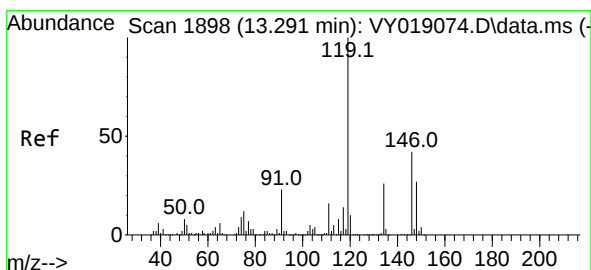
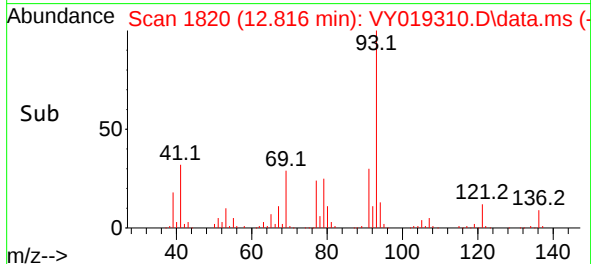
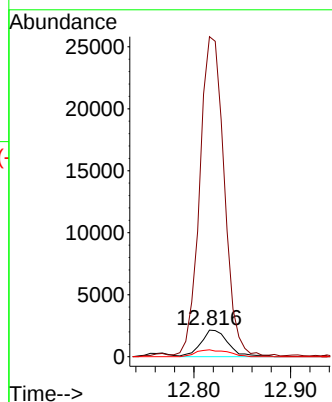
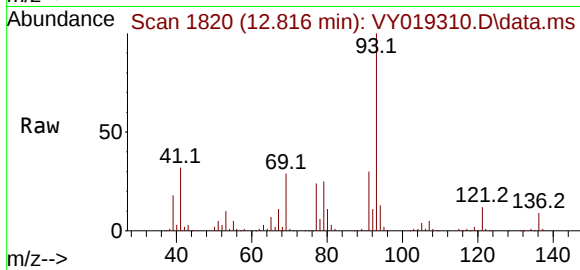
Tgt Ion:119 Resp: 4222

Ion Ratio Lower Upper

119 100

91 1063.7 31.3 93.8#

134 30.3 13.4 40.1



#86

p-Isopropyltoluene

Concen: 11.252 ug/l

RT: 13.298 min Scan# 1899

Delta R.T. 0.006 min

Lab File: VY019310.D

Acq: 28 Aug 2024 03:23

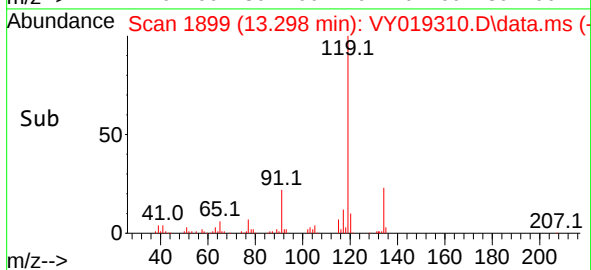
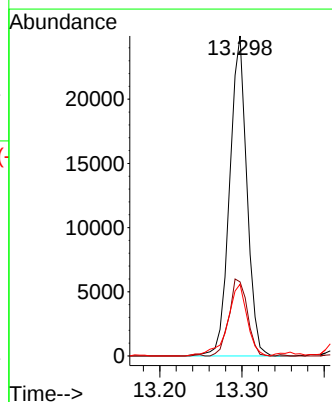
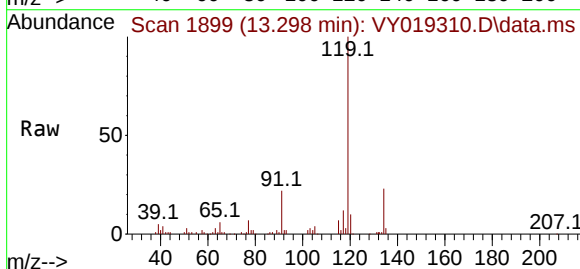
Tgt Ion:119 Resp: 36290

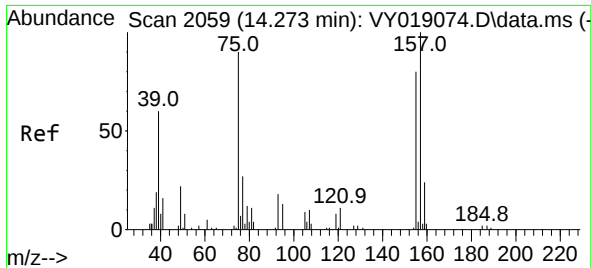
Ion Ratio Lower Upper

119 100

134 25.7 13.1 39.3

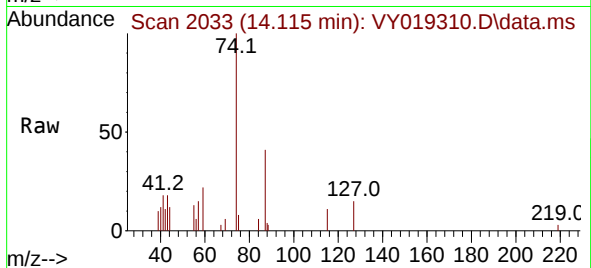
91 25.4 10.7 32.1





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.610 ug/l
 RT: 14.115 min Scan# 20
 Delta R.T. -0.158 min
 Lab File: VY019310.D
 Acq: 28 Aug 2024 03:23

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	75	Resp:	151
Ion	Ratio	Lower	Upper
75	100		
155	0.0	48.6	145.8#
157	0.0	62.7	188.2#

