

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082124\
 Data File : VY019206.D
 Acq On : 22 Aug 2024 07:45
 Operator : SY/MD
 Sample : P3671-12
 Misc : 8.20g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 22 08:23:06 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)

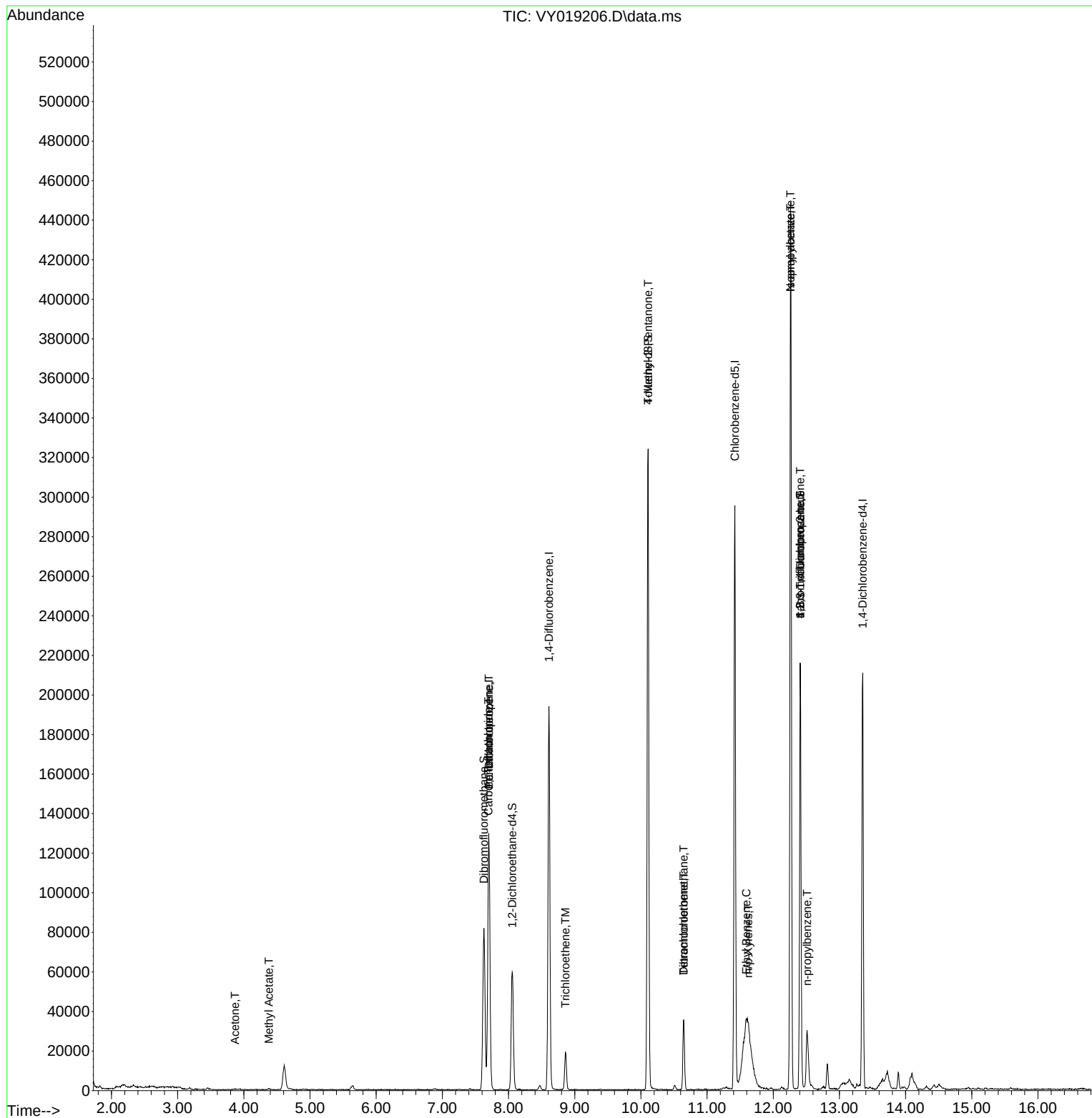
Internal Standards						
1) Pentafluorobenzene	7.701	168	101068	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	169287	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	157903	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	51958	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	48637	48.007	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.020%
35) Dibromofluoromethane	7.628	113	56749	51.268	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.540%
50) Toluene-d8	10.109	98	207872	52.185	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.380%
62) 4-Bromofluorobenzene	12.407	95	62827	46.267	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	92.540%
Target Compounds						
					Qvalue	
5) Bromomethane	2.598	94	169	Below Cal	#	3
6) Chloroethane	2.915	64	20	Below Cal	#	42
11) Tert butyl alcohol	4.842	59	117	Below Cal	#	88
16) Acetone	3.866	43	545	2.901	ug/l #	36
18) Methyl Acetate	4.378	43	1041	1.805	ug/l #	74
20) Methylene Chloride	4.610	84	8797	Below Cal		94
31) Cyclohexane	7.701	56	2281	Below Cal	#	10
36) 1,1-Dichloropropene	7.701	75	7839	5.157	ug/l #	48
38) Carbon Tetrachloride	7.695	117	10246	5.817	ug/l #	17
44) Trichloroethene	8.859	130	6192	4.760	ug/l	97
51) 4-Methyl-2-Pentanone	10.109	43	989	1.368	ug/l #	1
60) Dibromochloromethane	10.646	129	6413	5.429	ug/l #	10
64) Tetrachloroethene	10.646	164	7840	5.680	ug/l	99
67) Ethyl Benzene	11.591	91	9125	1.446	ug/l	90
68) m/p-Xylenes	11.621	106	2749	1.098	ug/l #	1
73) Isopropylbenzene	12.261	105	17891	4.493	ug/l #	65
74) N-amyl acetate	12.261	43	8017	9.232	ug/l #	13
76) 1,2,3-Trichloropropane	12.407	75	33786	65.937	ug/l #	100
78) n-propylbenzene	12.511	91	6643	1.395	ug/l #	56
81) trans-1,4-Dichloro-2-b...	12.407	75	33786	162.842	ug/l #	16

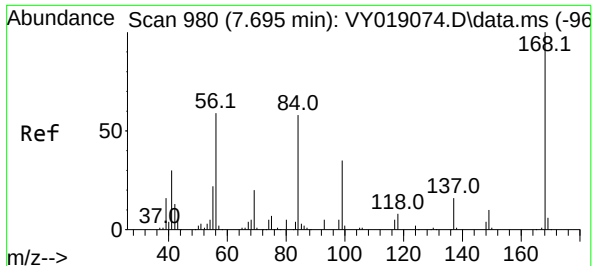
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 16 05:10:30 2024
Response via : Initial Calibration

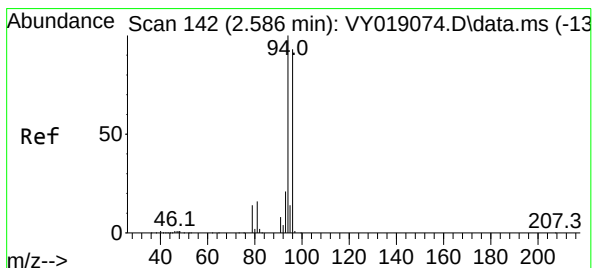
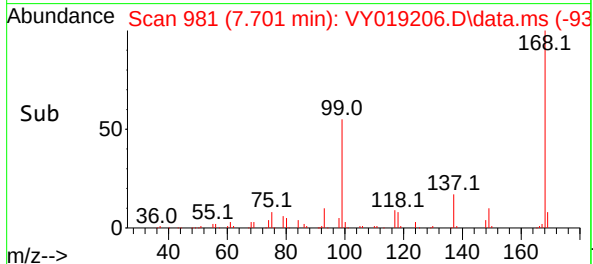
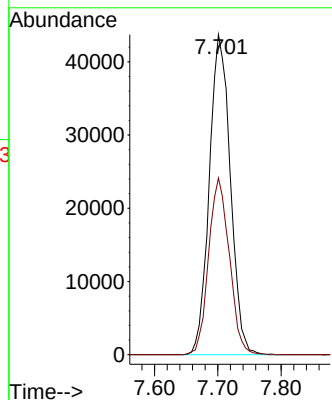
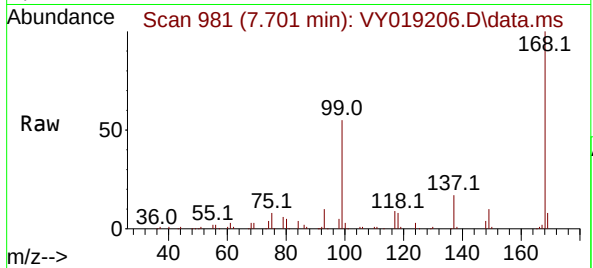




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019206.D
Acq: 22 Aug 2024 07:45

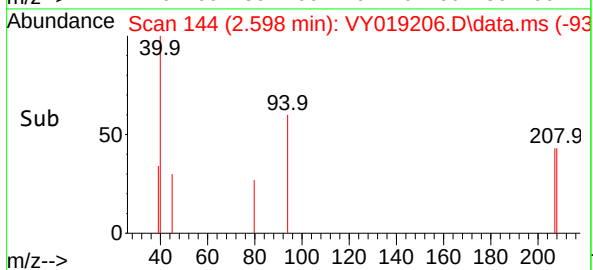
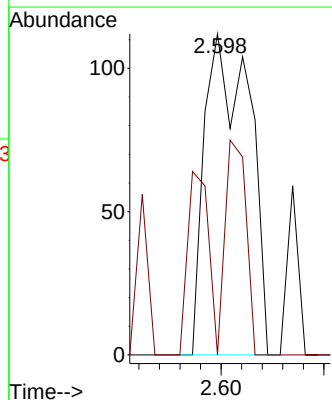
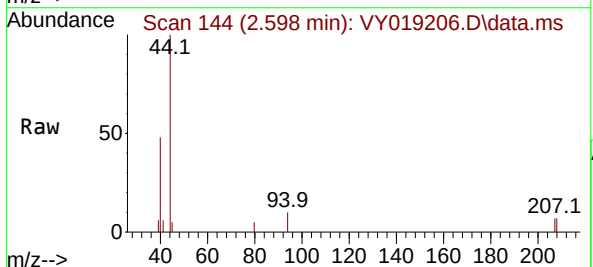
Instrument :
MSVOA_Y
ClientSampleId :

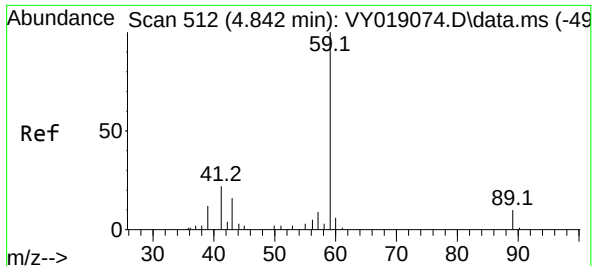
Tgt Ion:168 Resp: 101068
Ion Ratio Lower Upper
168 100
99 55.2 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.598 min Scan# 144
Delta R.T. 0.012 min
Lab File: VY019206.D
Acq: 22 Aug 2024 07:45

Tgt Ion: 94 Resp: 169
Ion Ratio Lower Upper
94 100
96 0.0 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.842 min Scan# 512

Delta R.T. -0.000 min

Lab File: VY019206.D

Acq: 22 Aug 2024 07:45

Instrument :

MSVOA_Y

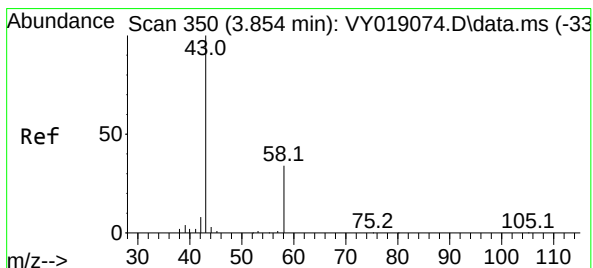
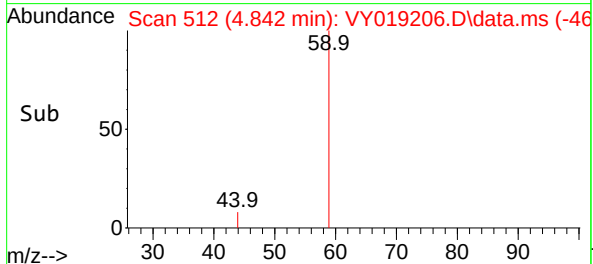
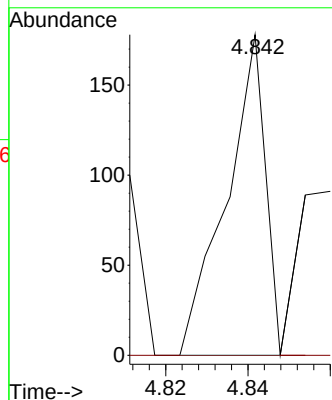
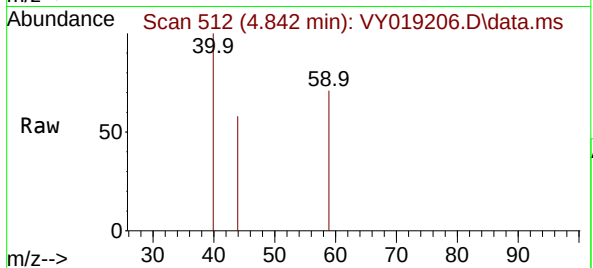
ClientSampleId :

Tgt Ion: 59 Resp: 117

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#16

Acetone

Concen: 2.901 ug/l

RT: 3.866 min Scan# 352

Delta R.T. 0.012 min

Lab File: VY019206.D

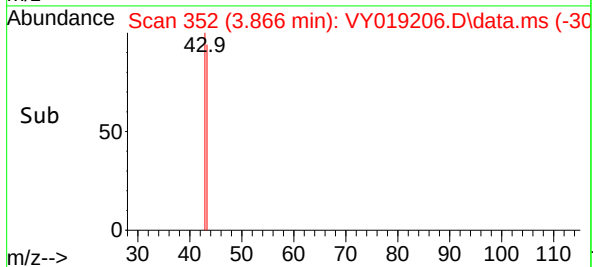
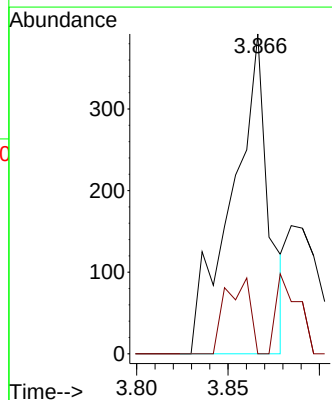
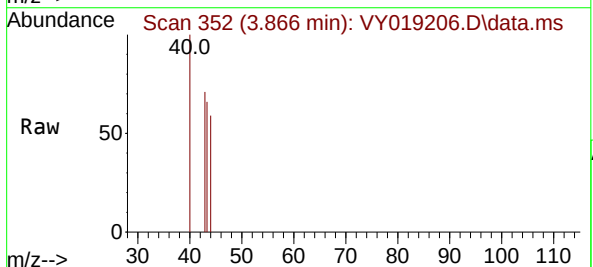
Acq: 22 Aug 2024 07:45

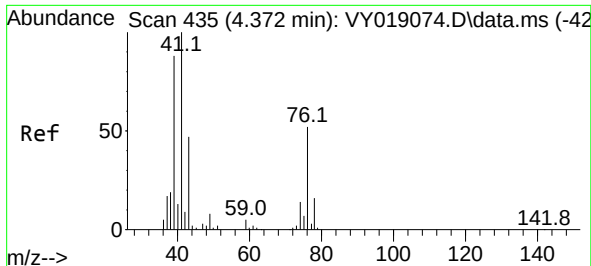
Tgt Ion: 43 Resp: 545

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#





#18

Methyl Acetate

Concen: 1.805 ug/l

RT: 4.378 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY019206.D

Acq: 22 Aug 2024 07:45

Instrument :

MSVOA_Y

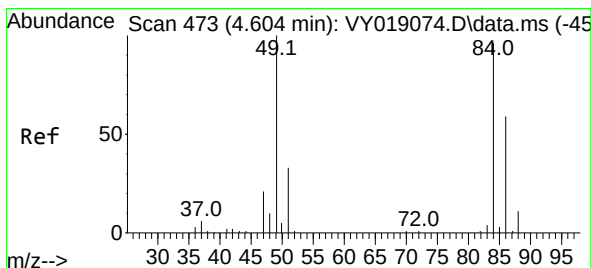
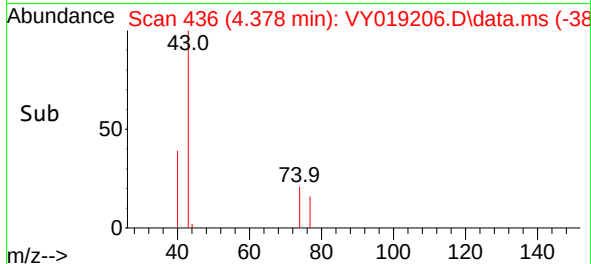
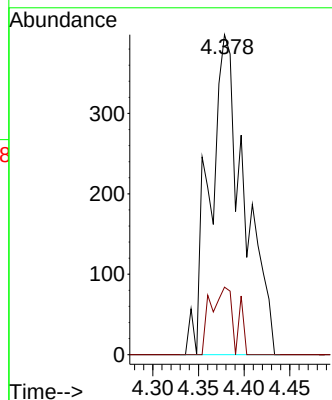
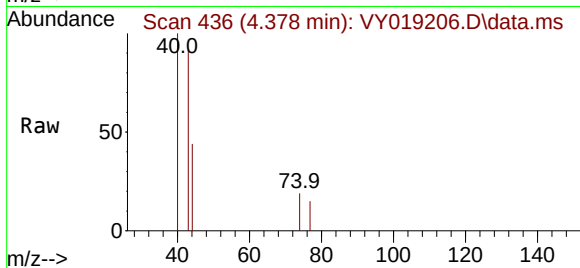
ClientSampleId :

Tgt Ion: 43 Resp: 1041

Ion Ratio Lower Upper

43 100

74 15.2 23.3 34.9#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.610 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY019206.D

Acq: 22 Aug 2024 07:45

Tgt Ion: 84 Resp: 8797

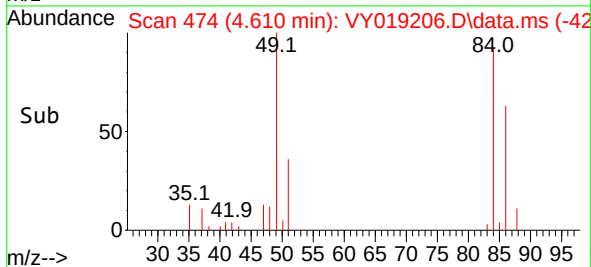
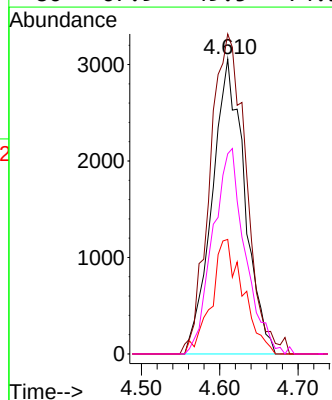
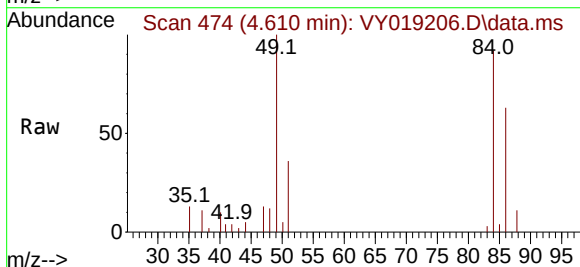
Ion Ratio Lower Upper

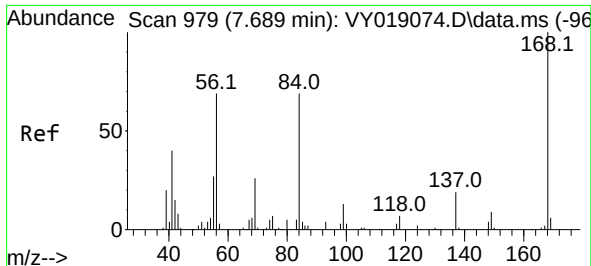
84 100

49 108.5 84.4 126.6

51 38.9 26.0 39.0

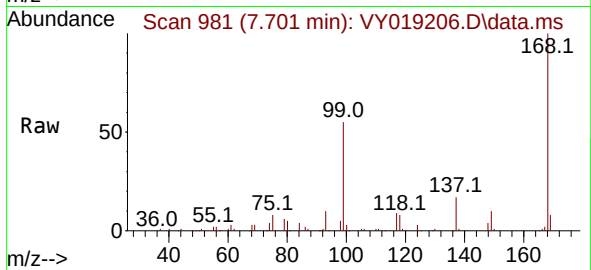
86 67.9 49.5 74.3



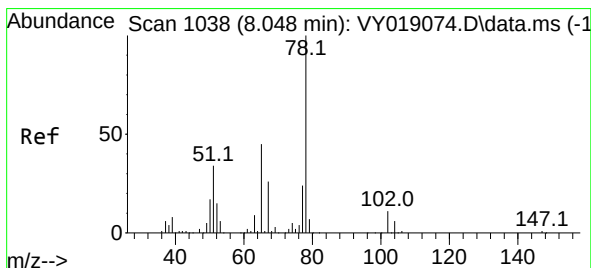
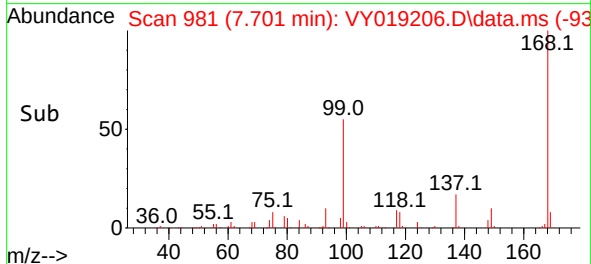
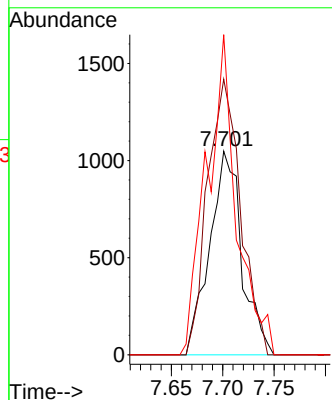


#31
Cyclohexane
Concen: Below Cal
RT: 7.701 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY019206.D
Acq: 22 Aug 2024 07:45

Instrument :
MSVOA_Y
ClientSampleId :

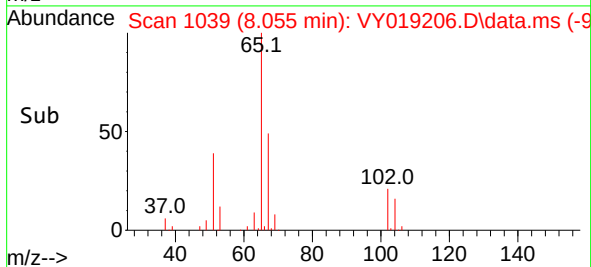
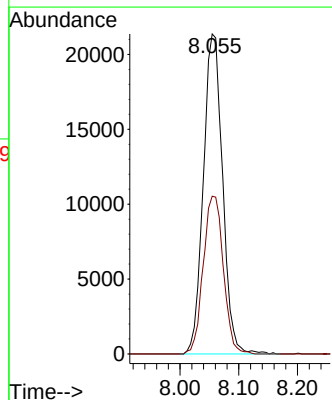
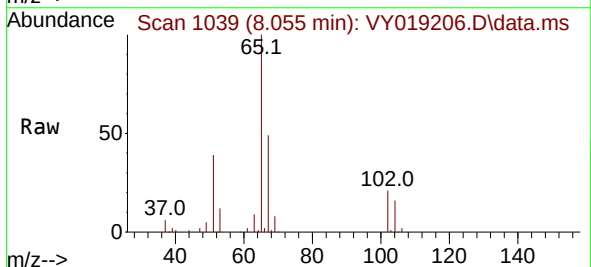


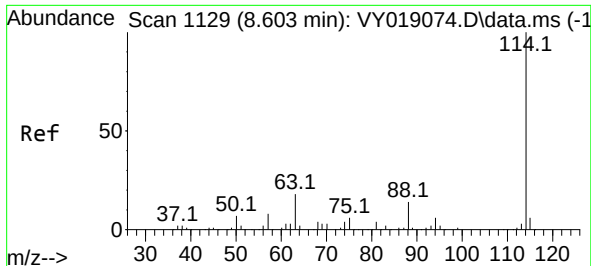
Tgt Ion: 56 Resp: 2281
Ion Ratio Lower Upper
56 100
69 135.4 28.7 43.1#
84 157.3 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 48.007 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY019206.D
Acq: 22 Aug 2024 07:45

Tgt Ion: 65 Resp: 48637
Ion Ratio Lower Upper
65 100
67 51.4 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: VY019206.D

Acq: 22 Aug 2024 07:45

Instrument :

MSVOA_Y

ClientSampleId :

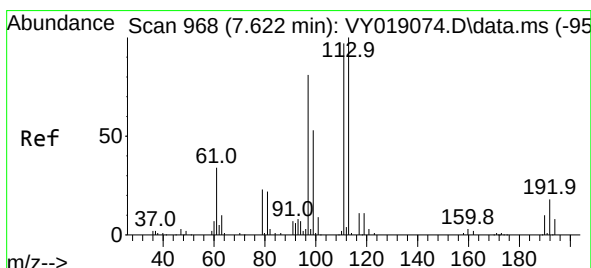
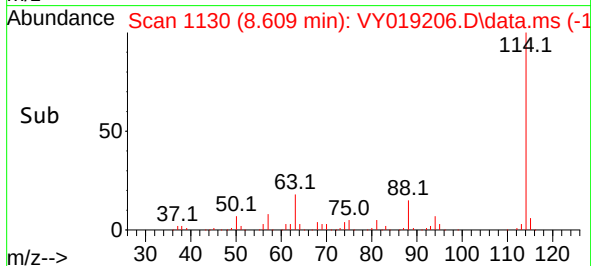
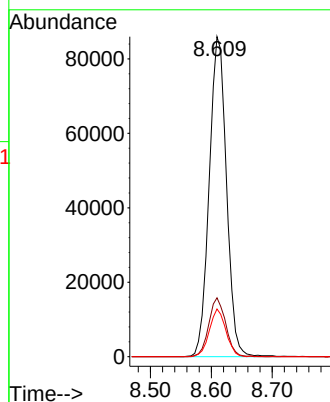
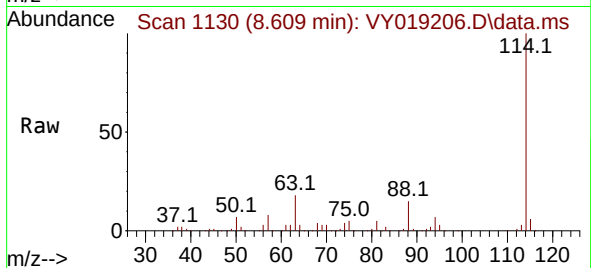
Tgt Ion:114 Resp: 169287

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.0

88 14.9 0.0 27.2



#35

Dibromofluoromethane

Concen: 51.268 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY019206.D

Acq: 22 Aug 2024 07:45

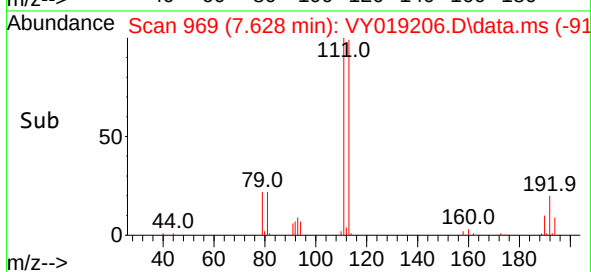
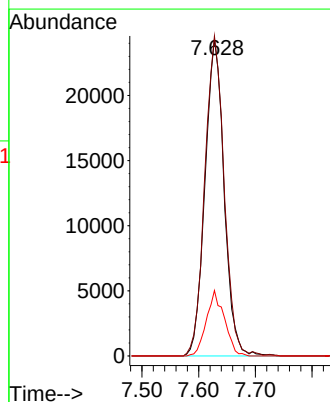
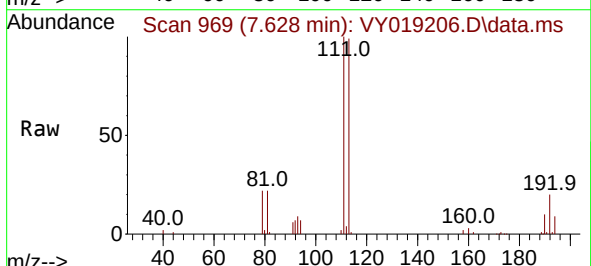
Tgt Ion:113 Resp: 56749

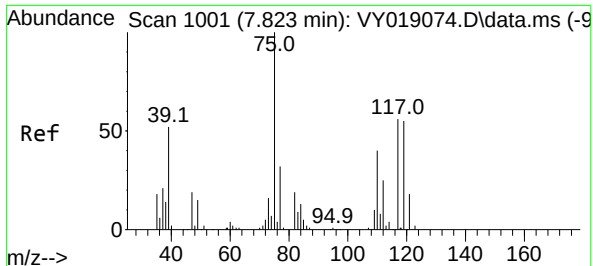
Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.4

192 19.5 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.157 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.122 min

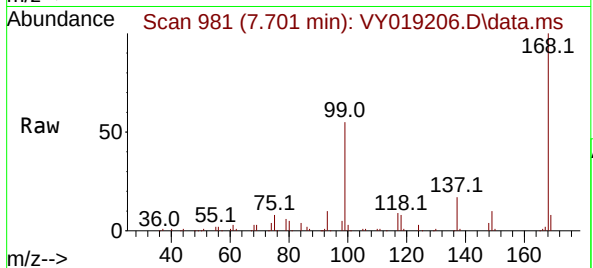
Lab File: VY019206.D

Acq: 22 Aug 2024 07:45

Instrument :

MSVOA_Y

ClientSampleId :



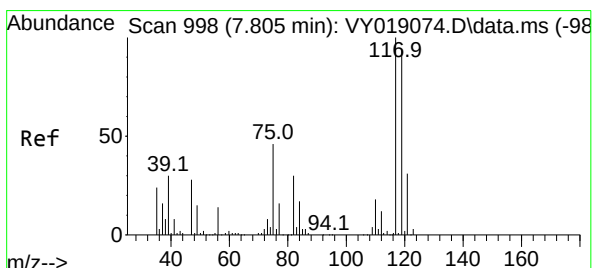
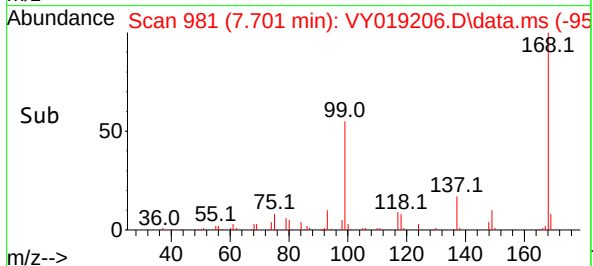
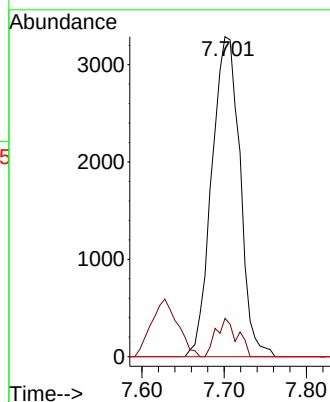
Tgt Ion: 75 Resp: 7839

Ion Ratio Lower Upper

75 100

110 9.0 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.817 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY019206.D

Acq: 22 Aug 2024 07:45

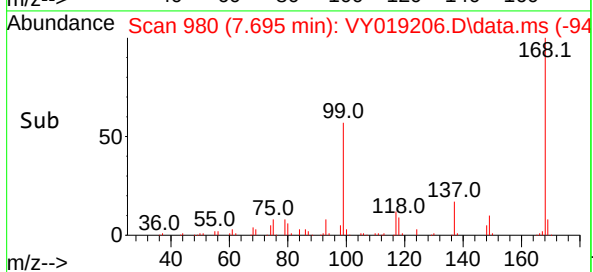
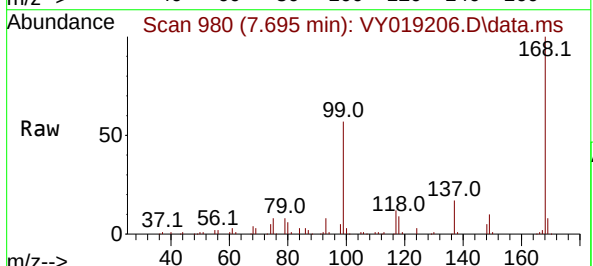
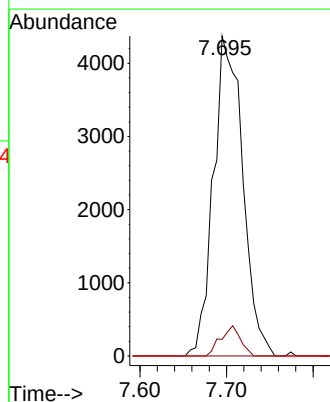
Tgt Ion: 117 Resp: 10246

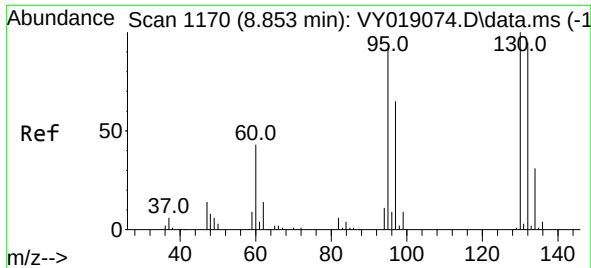
Ion Ratio Lower Upper

117 100

119 5.2 75.8 113.6#

121 0.0 24.0 36.0#

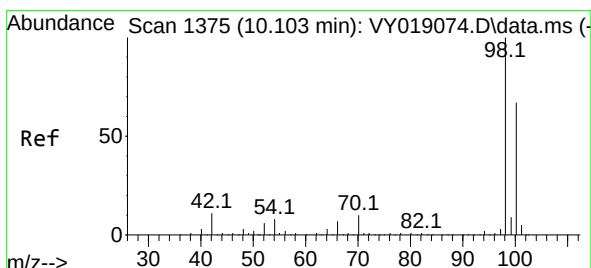
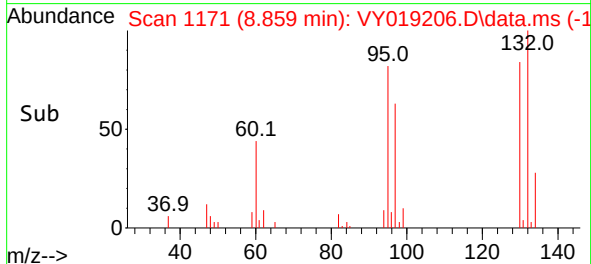
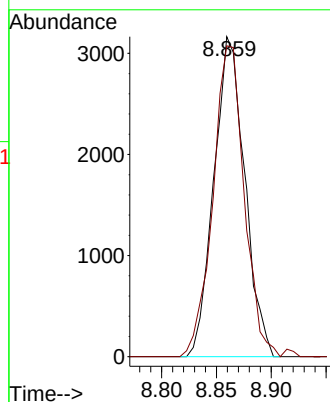
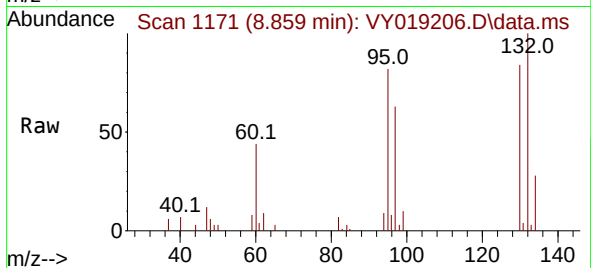




#44
Trichloroethene
Concen: 4.760 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. 0.006 min
Lab File: VY019206.D
Acq: 22 Aug 2024 07:45

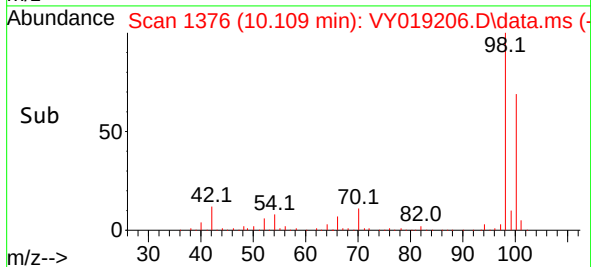
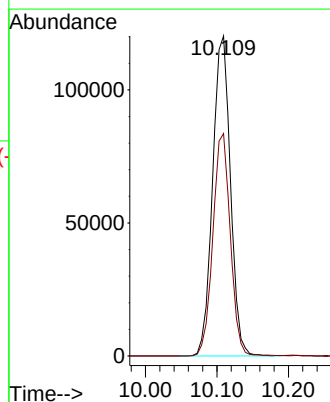
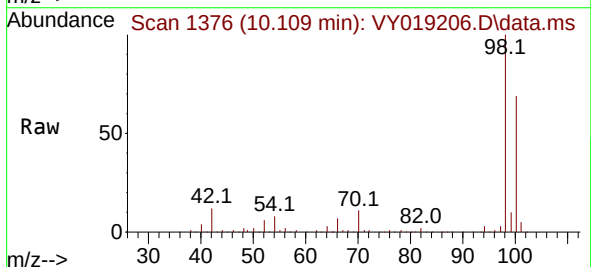
Instrument :
MSVOA_Y
ClientSampleId :

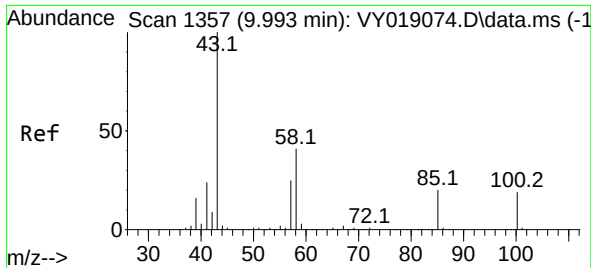
Tgt Ion:130 Resp: 6192
Ion Ratio Lower Upper
130 100
95 97.2 0.0 188.0



#50
Toluene-d8
Concen: 52.185 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY019206.D
Acq: 22 Aug 2024 07:45

Tgt Ion: 98 Resp: 207872
Ion Ratio Lower Upper
98 100
100 68.0 52.0 78.0

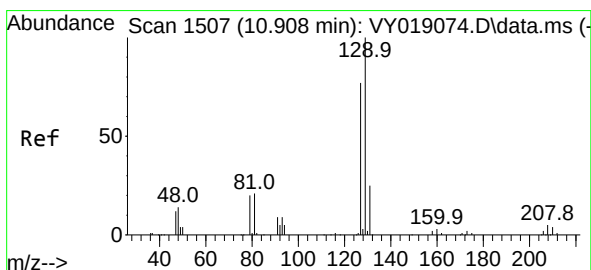
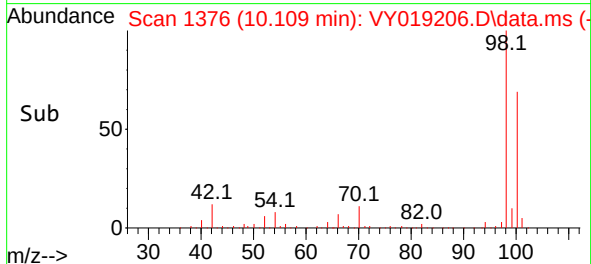
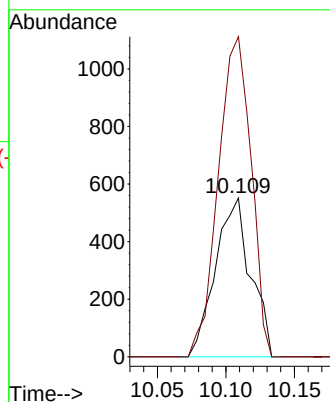
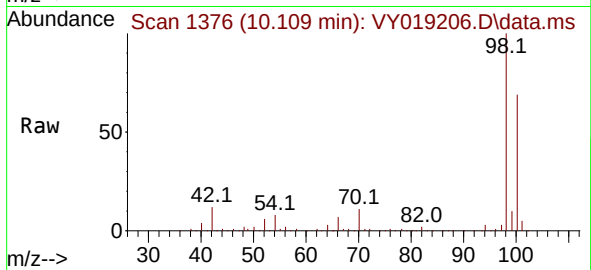




#51
4-Methyl-2-Pentanone
Concen: 1.368 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY019206.D
Acq: 22 Aug 2024 07:45

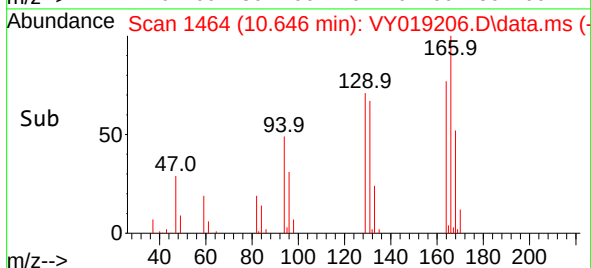
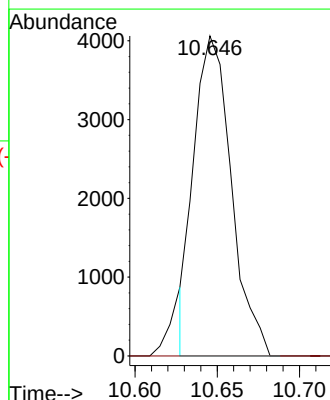
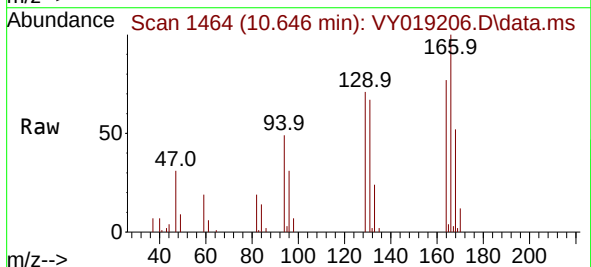
Instrument :
MSVOA_Y
ClientSampleId :

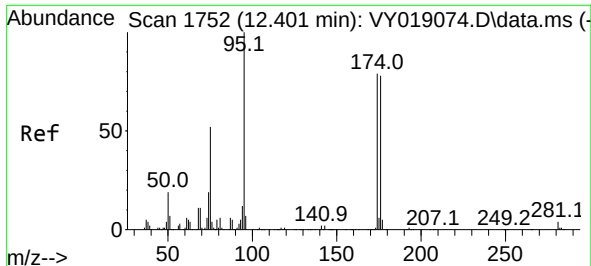
Tgt Ion: 43 Resp: 989
Ion Ratio Lower Upper
43 100
58 187.9 35.7 53.5#



#60
Dibromochloromethane
Concen: 5.429 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.262 min
Lab File: VY019206.D
Acq: 22 Aug 2024 07:45

Tgt Ion: 129 Resp: 6413
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#

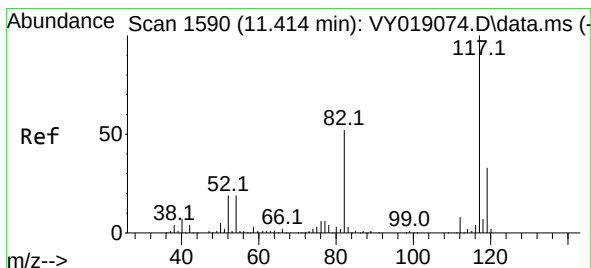
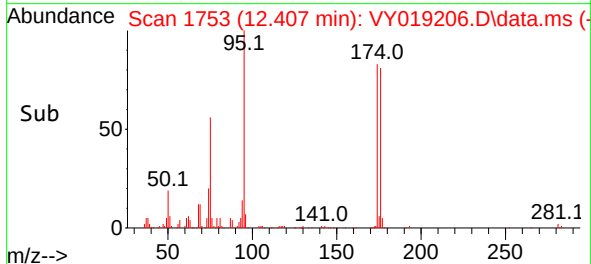
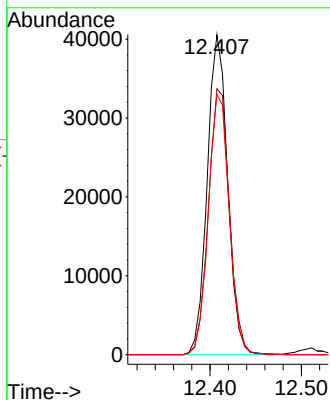
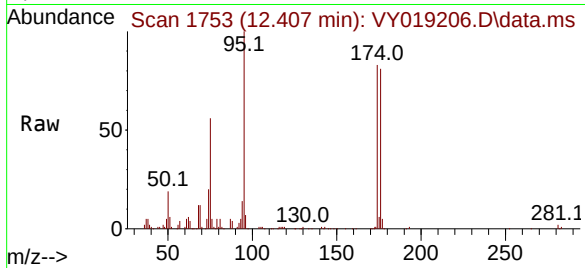




#62
4-Bromofluorobenzene
Concen: 46.267 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019206.D
Acq: 22 Aug 2024 07:45

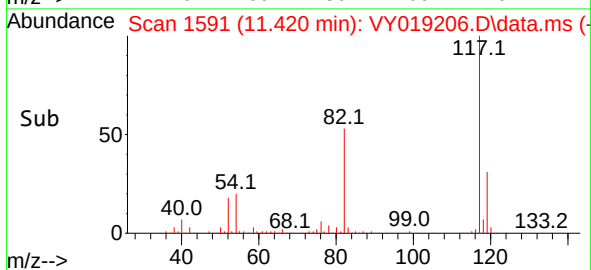
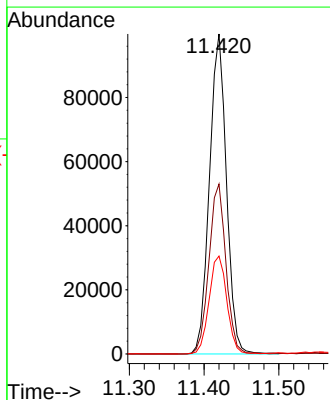
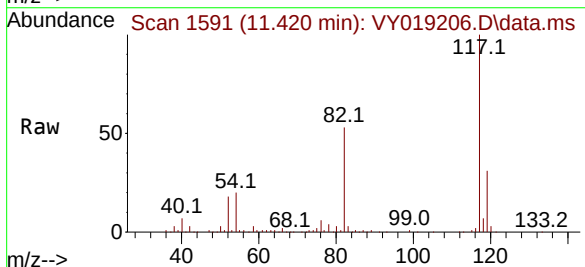
Instrument :
MSVOA_Y
ClientSampleId :

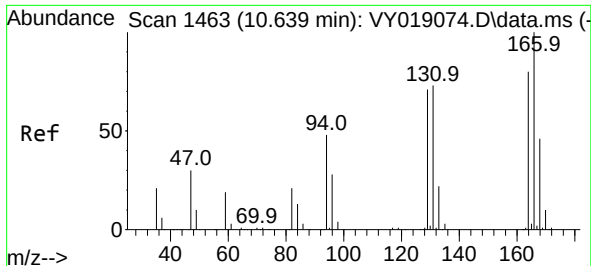
Tgt Ion: 95 Resp: 62827
Ion Ratio Lower Upper
95 100
174 85.7 0.0 175.6
176 83.4 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY019206.D
Acq: 22 Aug 2024 07:45

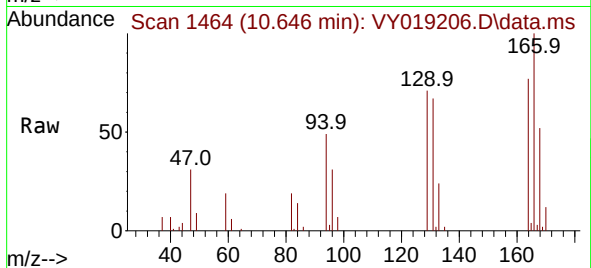
Tgt Ion: 117 Resp: 157903
Ion Ratio Lower Upper
117 100
82 53.1 42.4 63.6
119 30.6 25.9 38.9



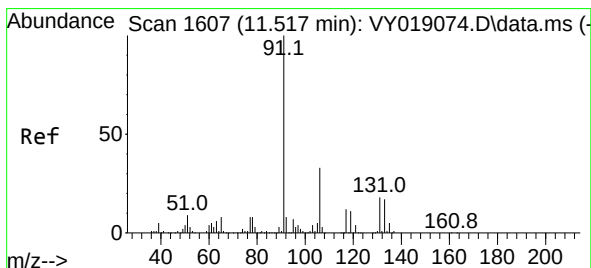
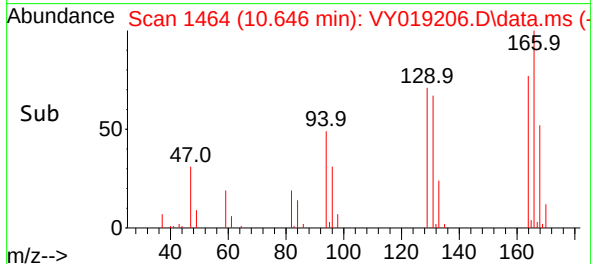
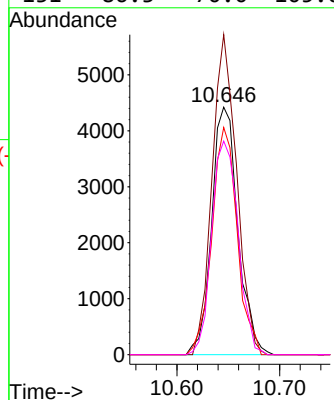


#64
Tetrachloroethene
Concen: 5.680 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VY019206.D
Acq: 22 Aug 2024 07:45

Instrument :
MSVOA_Y
ClientSampleId :

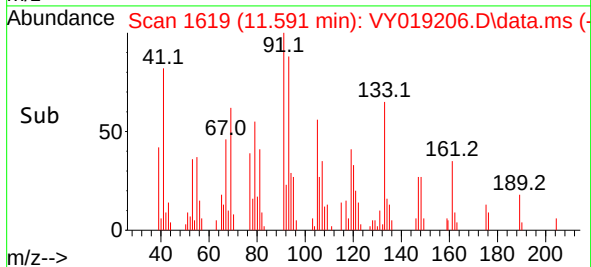
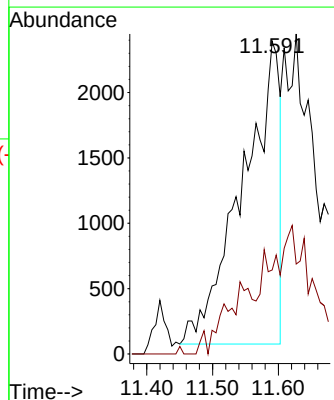
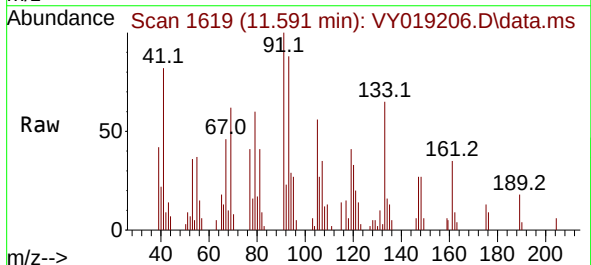


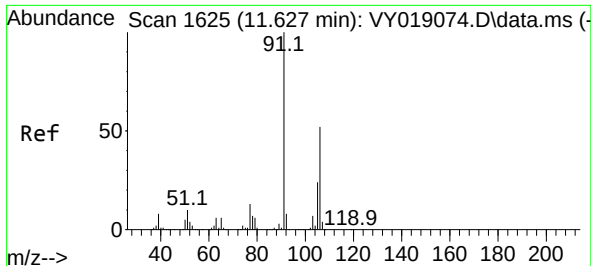
Tgt Ion:164 Resp: 7840
Ion Ratio Lower Upper
164 100
166 129.3 102.6 154.0
129 91.8 72.0 108.0
131 86.3 70.0 105.0



#67
Ethyl Benzene
Concen: 1.446 ug/l
RT: 11.591 min Scan# 1619
Delta R.T. 0.073 min
Lab File: VY019206.D
Acq: 22 Aug 2024 07:45

Tgt Ion: 91 Resp: 9125
Ion Ratio Lower Upper
91 100
106 25.3 24.5 36.7

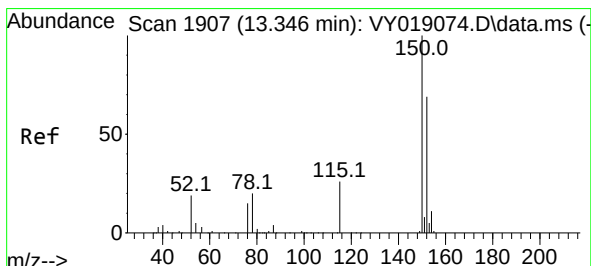
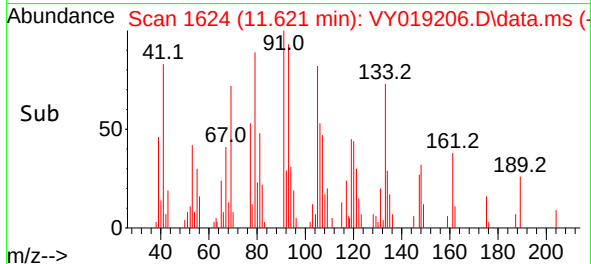
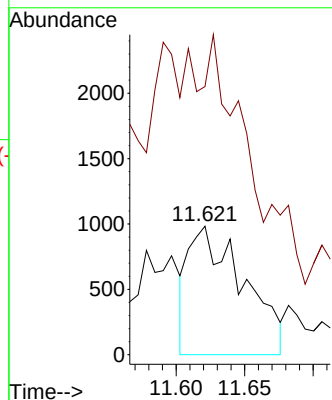
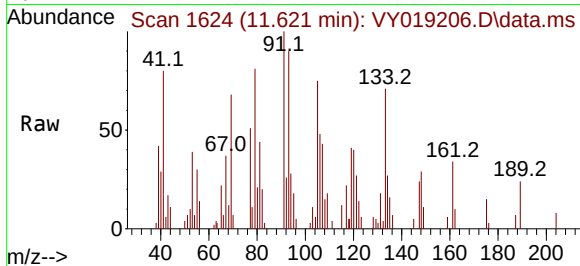




#68
m/p-Xylenes
Concen: 1.098 ug/l
RT: 11.621 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019206.D
Acq: 22 Aug 2024 07:45

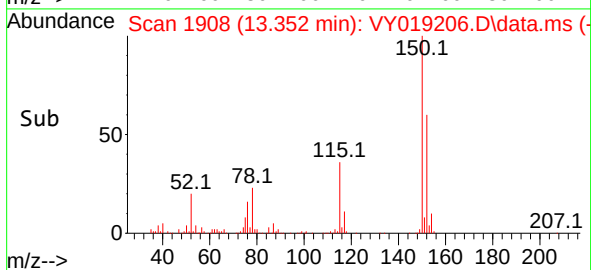
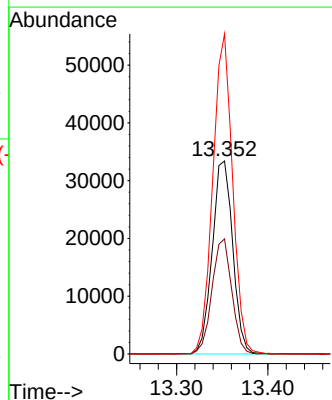
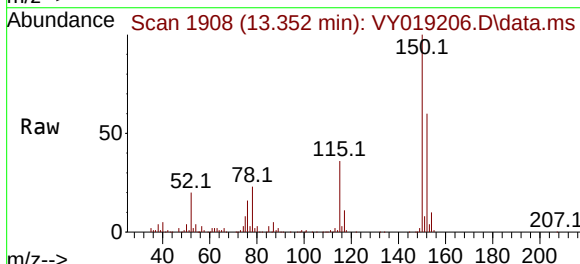
Instrument :
MSVOA_Y
ClientSampleId :

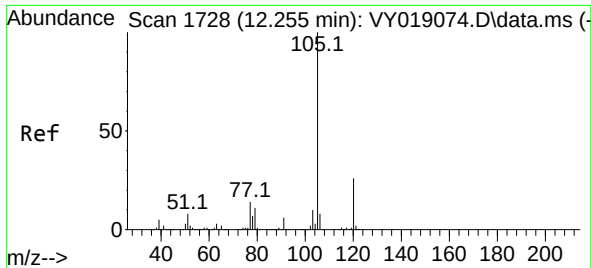
Tgt Ion:106 Resp: 2749
Ion Ratio Lower Upper
106 100
91 0.0 156.0 234.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY019206.D
Acq: 22 Aug 2024 07:45

Tgt Ion:152 Resp: 51958
Ion Ratio Lower Upper
152 100
115 57.8 28.2 84.7
150 159.8 0.0 345.6

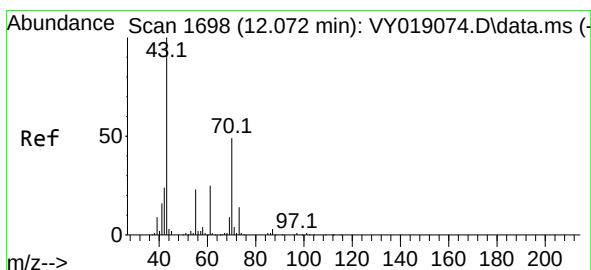
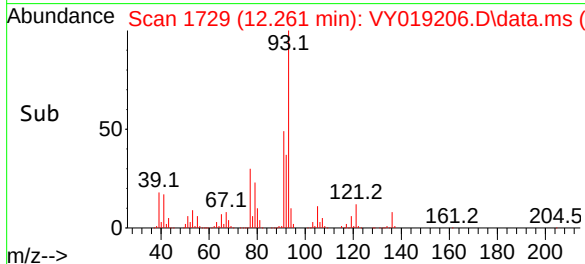
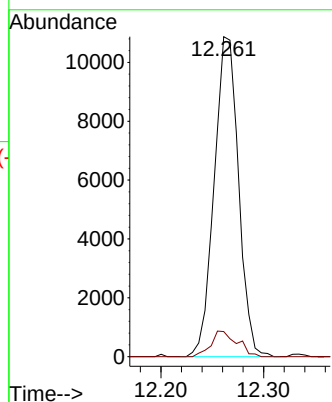
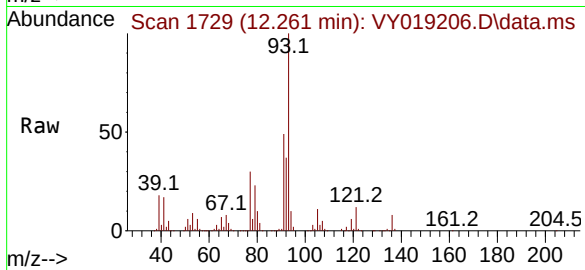




#73
Isopropylbenzene
Concen: 4.493 ug/l
RT: 12.261 min Scan# 1729
Delta R.T. 0.006 min
Lab File: VY019206.D
Acq: 22 Aug 2024 07:45

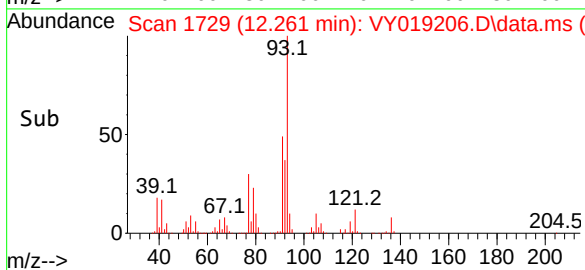
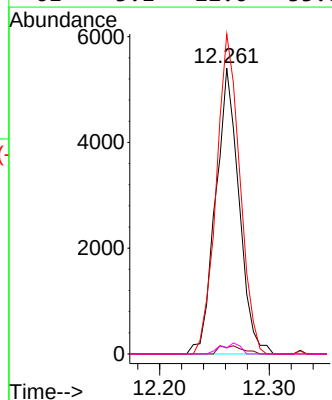
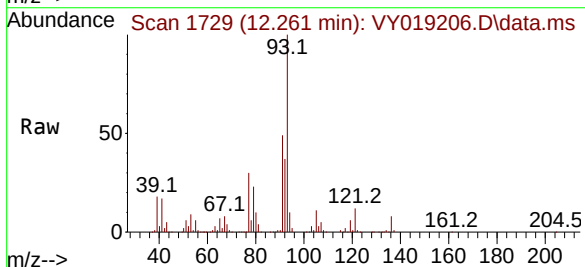
Instrument :
MSVOA_Y
ClientSampleId :

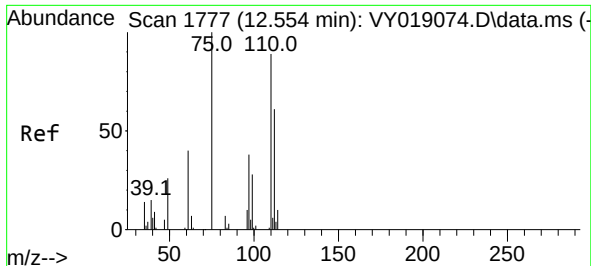
Tgt Ion:105 Resp: 17891
Ion Ratio Lower Upper
105 100
120 8.6 13.4 40.1#



#74
N-ethyl acetate
Concen: 9.232 ug/l
RT: 12.261 min Scan# 1729
Delta R.T. 0.189 min
Lab File: VY019206.D
Acq: 22 Aug 2024 07:45

Tgt Ion: 43 Resp: 8017
Ion Ratio Lower Upper
43 100
70 2.9 41.4 62.2#
55 112.7 23.3 34.9#
61 3.1 22.6 33.8#

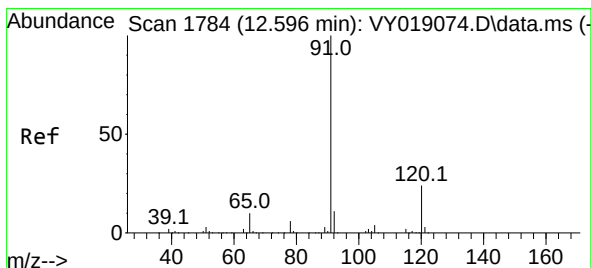
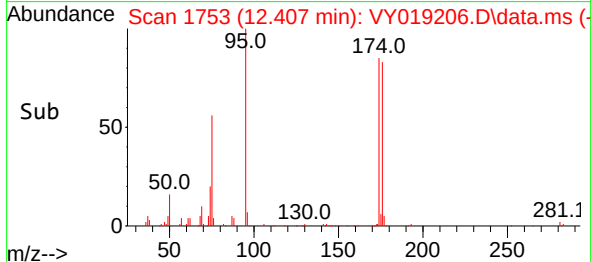
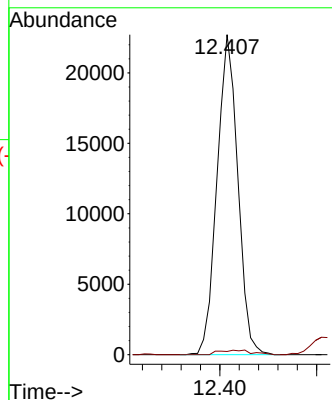
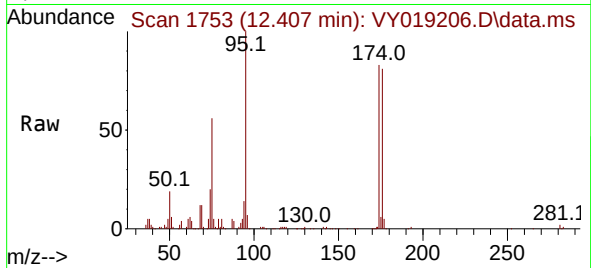




#76
1,2,3-Trichloropropane
Concen: 65.937 ug/l
RT: 12.407 min Scan# 1770
Delta R.T. -0.146 min
Lab File: VY019206.D
Acq: 22 Aug 2024 07:45

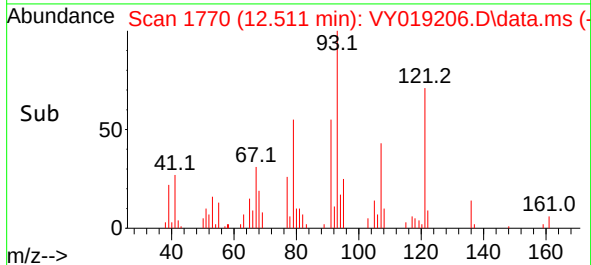
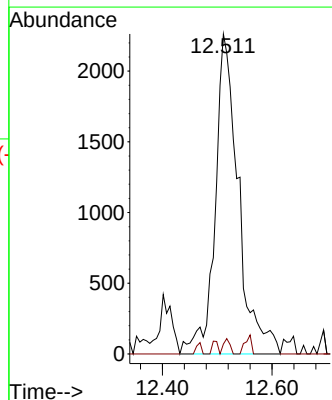
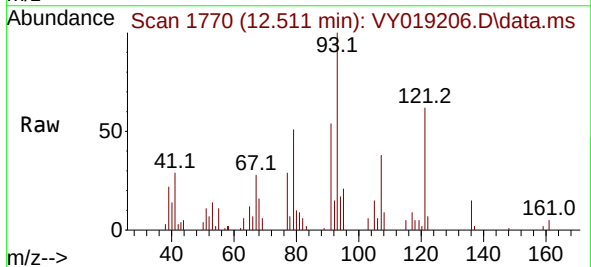
Instrument :
MSVOA_Y
ClientSampleId :

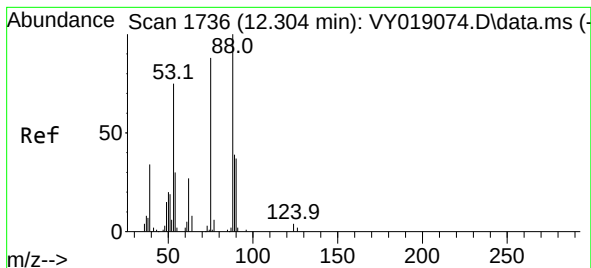
Tgt Ion: 75 Resp: 33786
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#78
n-propylbenzene
Concen: 1.395 ug/l
RT: 12.511 min Scan# 1770
Delta R.T. -0.085 min
Lab File: VY019206.D
Acq: 22 Aug 2024 07:45

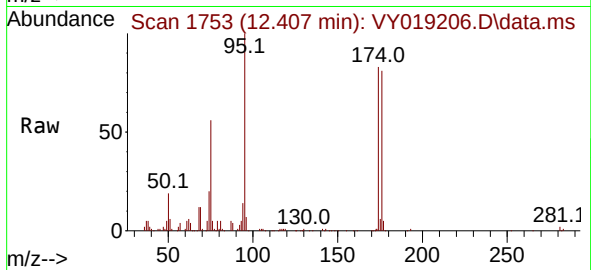
Tgt Ion: 91 Resp: 6643
Ion Ratio Lower Upper
91 100
120 1.4 11.5 34.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 162.842 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY019206.D
 Acq: 22 Aug 2024 07:45

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 33786
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.0 35.8 53.6#

