

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013023\
 Data File : VY012399.D
 Acq On : 30 Jan 2023 15:48
 Operator : KP/MD
 Sample : 01358-07
 Misc : 6.11g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 JC-2-012723

Quant Time: Jan 31 01:48:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

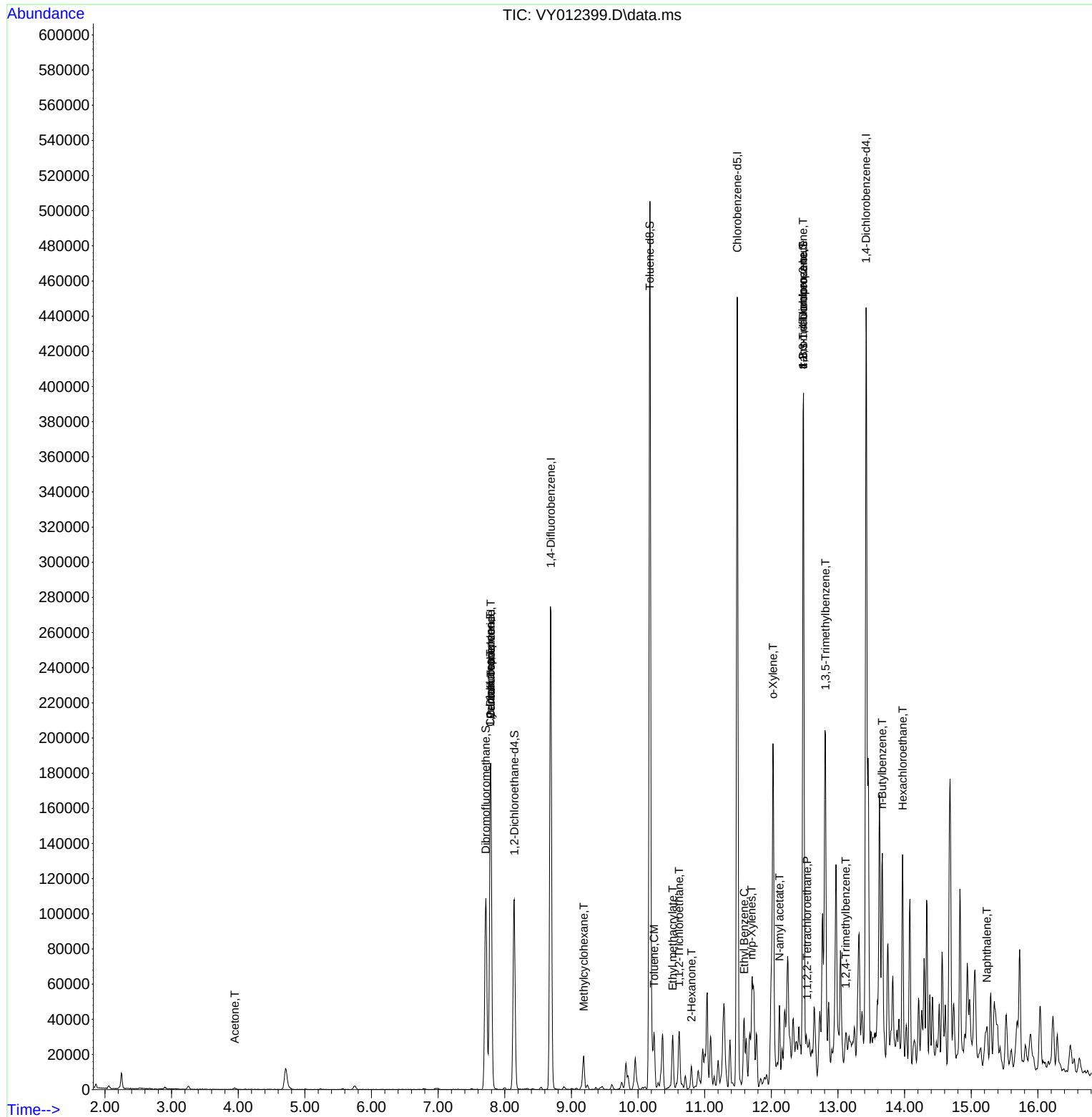
Internal Standards						
1) Pentafluorobenzene	7.789	168	145906	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	246966	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	248265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	113102	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	92411	78.665	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 157.340%			
35) Dibromofluoromethane	7.716	113	73192	55.971	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.940%			
50) Toluene-d8	10.179	98	303581	68.615	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 137.240%			
62) 4-Bromofluorobenzene	12.477	95	105967	57.483	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 114.960%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.960	59	127	Below Cal	#	74
16) Acetone	3.948	43	1209	2.976	ug/l	100
20) Methylene Chloride	4.710	84	9642	Below Cal	#	77
31) Cyclohexane	7.783	56	3161	1.486	ug/l	# 21
36) 1,1-Dichloropropene	7.783	75	9657	4.345	ug/l	# 51
38) Carbon Tetrachloride	7.789	117	15117	5.267	ug/l	# 18
39) Methylcyclohexane	9.185	83	7593	2.796	ug/l	# 91
52) Toluene	10.240	92	12795	2.996	ug/l	98
55) 1,1,2-Trichloroethane	10.618	97	13746	10.798	ug/l	# 20
56) Ethyl methacrylate	10.520	69	3747	2.243	ug/l	# 36
59) 2-Hexanone	10.801	43	3942	5.327	ug/l	# 26
67) Ethyl Benzene	11.593	91	24106	2.655	ug/l	97
68) m/p-Xylenes	11.703	106	3645	1.015	ug/l	98
69) o-Xylene	12.026	106	45354	13.229	ug/l	99
74) N-amyl acetate	12.124	43	6760	4.228	ug/l	# 62
75) 1,1,2,2-Tetrachloroethane	12.538	83	1894	1.474	ug/l	# 49
76) 1,2,3-Trichloropropane	12.477	75	58300	56.057	ug/l	# 100
80) 1,3,5-Trimethylbenzene	12.812	105	54671	7.711	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.477	75	58300	115.502	ug/l	# 13
84) 1,2,4-Trimethylbenzene	13.117	105	8306	1.188	ug/l	99
89) n-Butylbenzene	13.666	91	15215	2.284	ug/l	# 1
90) Hexachloroethane	13.971	117	5222	3.763	ug/l	# 9
95) Naphthalene	15.233	128	13084	2.971	ug/l	# 95

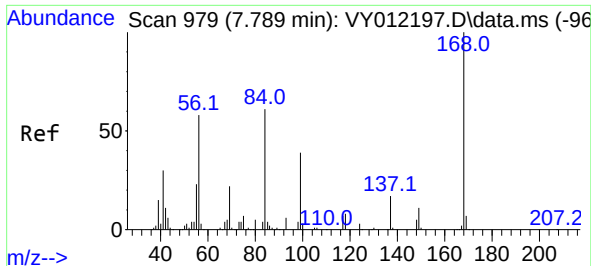
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013023\
Data File : VY012399.D
Acq On : 30 Jan 2023 15:48
Operator : KP/MD
Sample : 01358-07
Misc : 6.11g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
JC-2-012723

Quant Time: Jan 31 01:48:28 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 17 04:31:47 2023
Response via : Initial Calibration

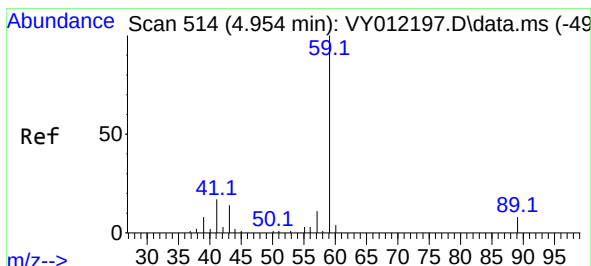
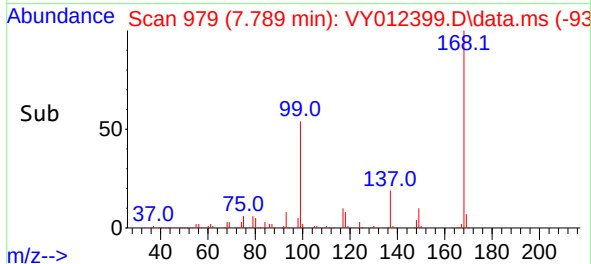
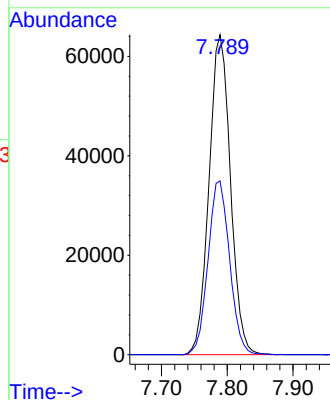
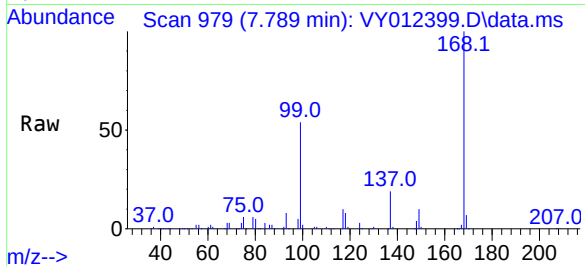




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

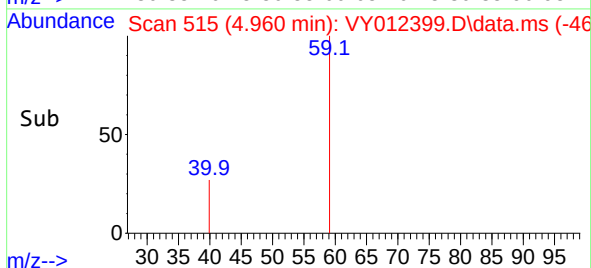
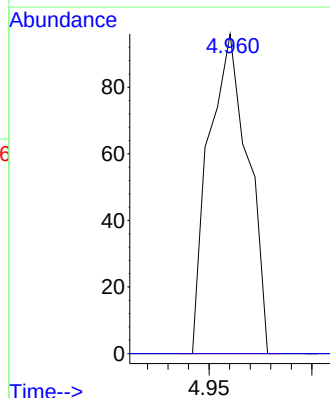
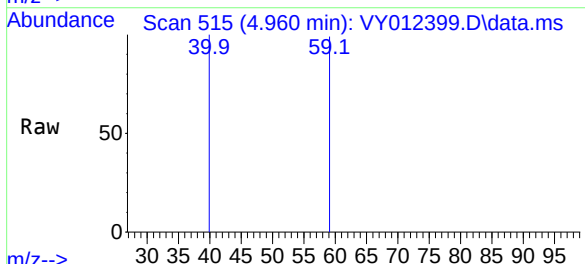
Instrument :
MSVOA_Y
ClientSampleId :
JC-2-012723

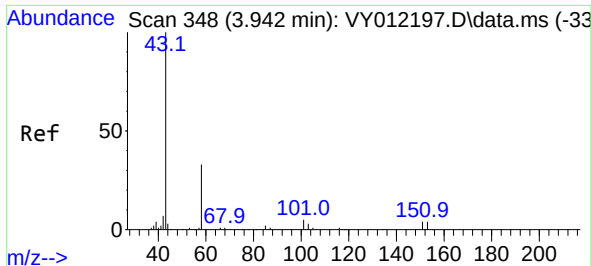
Tgt Ion:168 Resp: 145906
Ion Ratio Lower Upper
168 100
99 54.3 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

Tgt Ion: 59 Resp: 127
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

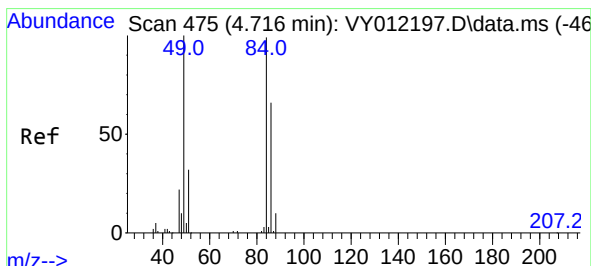
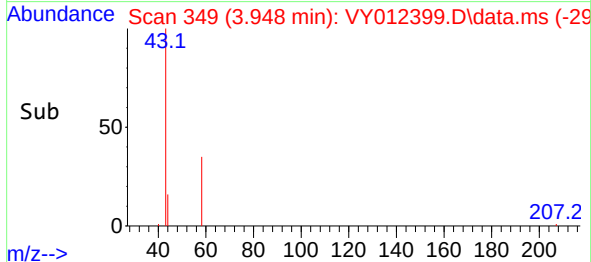
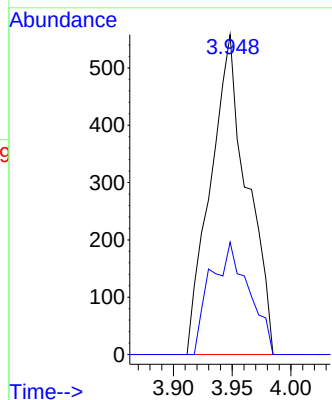
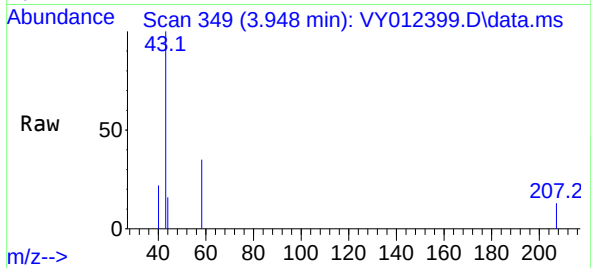




#16
Acetone
Concen: 2.976 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

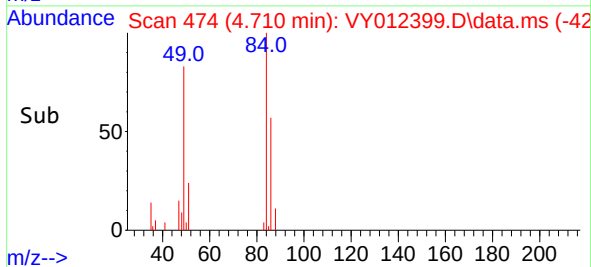
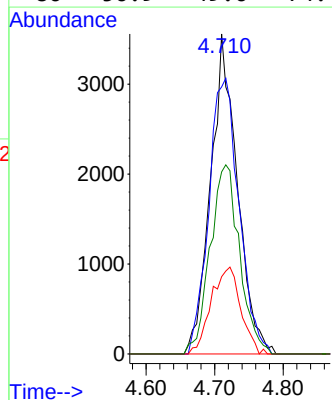
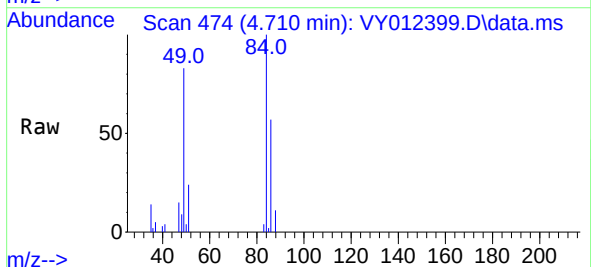
Instrument :
MSVOA_Y
ClientSampleId :
JC-2-012723

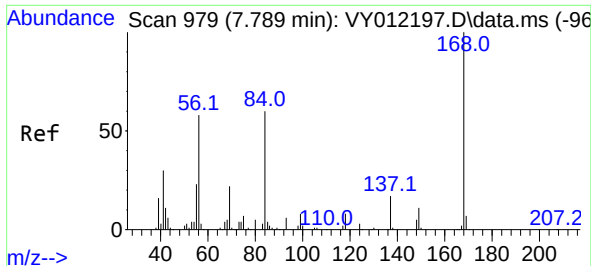
Tgt Ion: 43 Resp: 1209
Ion Ratio Lower Upper
43 100
58 35.1 27.9 41.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

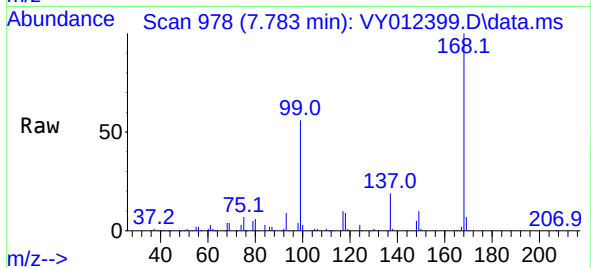
Tgt Ion: 84 Resp: 9642
Ion Ratio Lower Upper
84 100
49 83.4 95.4 143.2#
51 24.2 29.9 44.9#
86 56.9 49.6 74.4



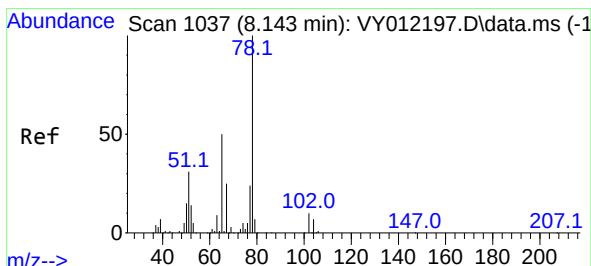
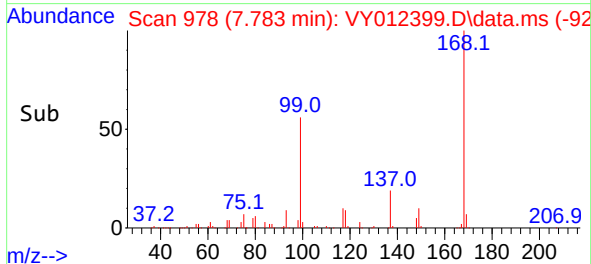
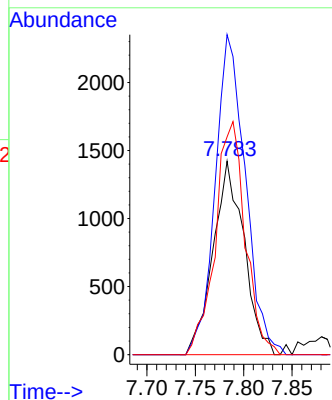


#31
Cyclohexane
Concen: 1.486 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

Instrument :
MSVOA_Y
ClientSampleId :
JC-2-012723

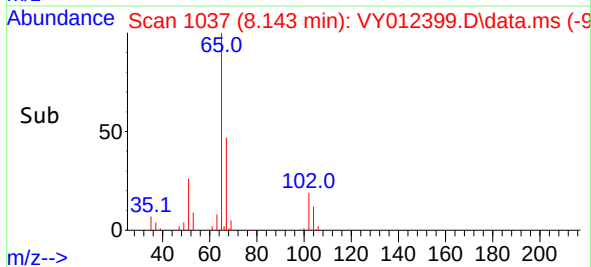
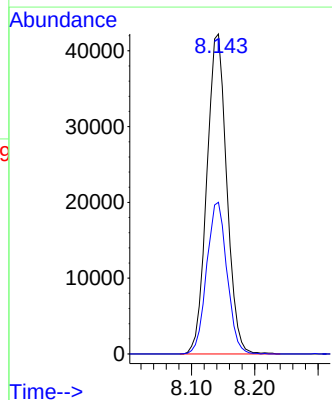
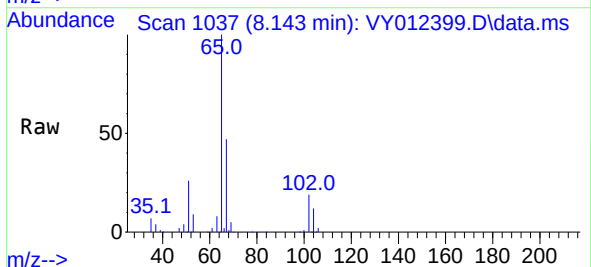


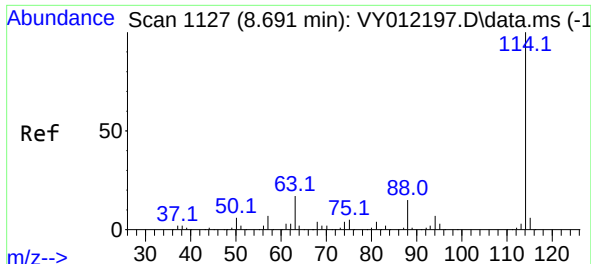
Tgt Ion: 56 Resp: 3161
Ion Ratio Lower Upper
56 100
69 165.4 29.2 43.8#
84 112.6 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 78.665 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

Tgt Ion: 65 Resp: 92411
Ion Ratio Lower Upper
65 100
67 48.4 0.0 103.2

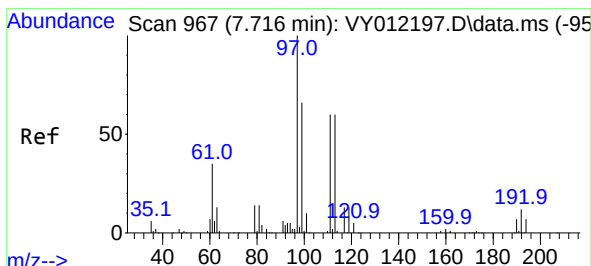
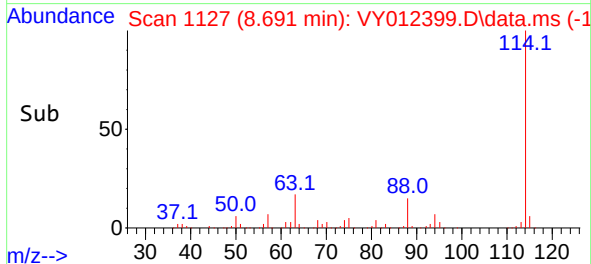
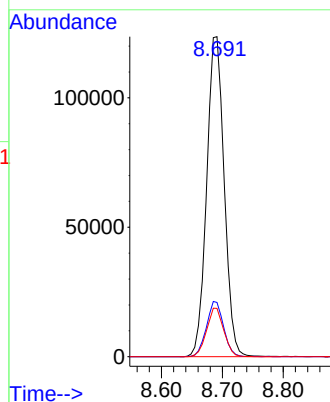
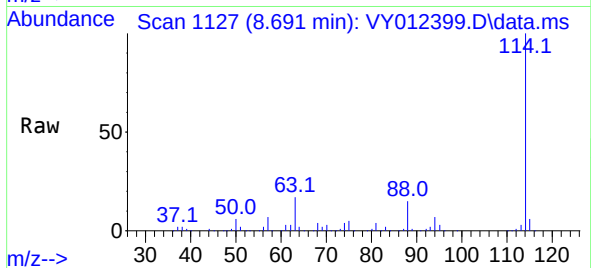




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

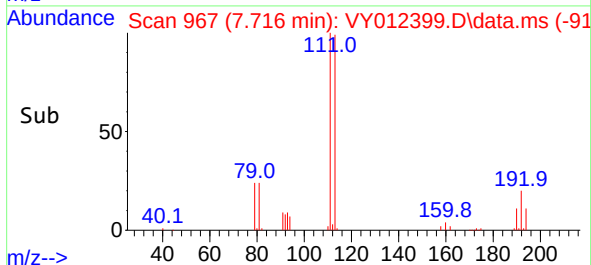
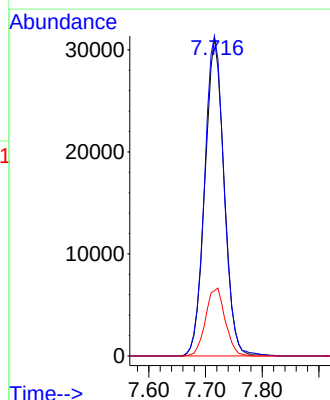
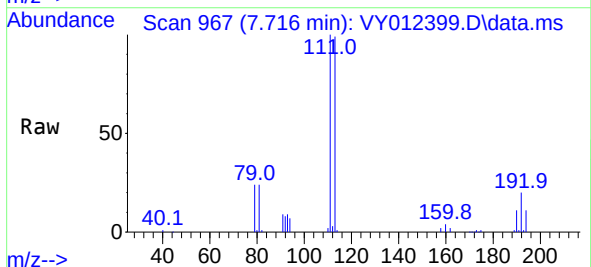
Instrument :
MSVOA_Y
ClientSampleId :
JC-2-012723

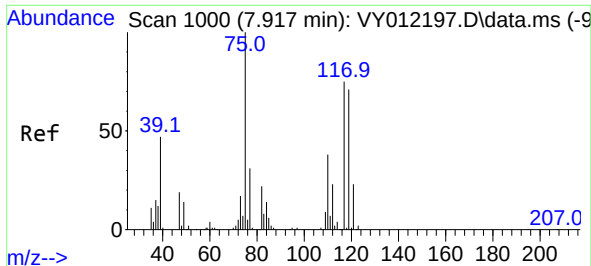
Tgt Ion:114 Resp: 246966
Ion Ratio Lower Upper
114 100
63 16.9 0.0 39.6
88 15.1 0.0 32.2



#35
Dibromofluoromethane
Concen: 55.971 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

Tgt Ion:113 Resp: 73192
Ion Ratio Lower Upper
113 100
111 102.3 83.0 124.4
192 21.8 16.0 24.0

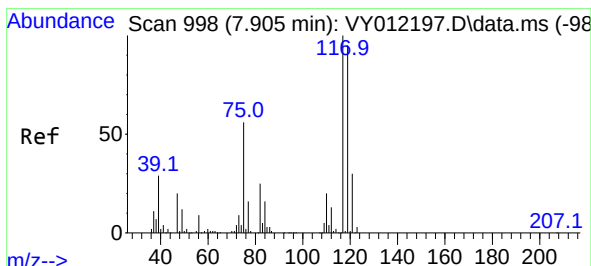
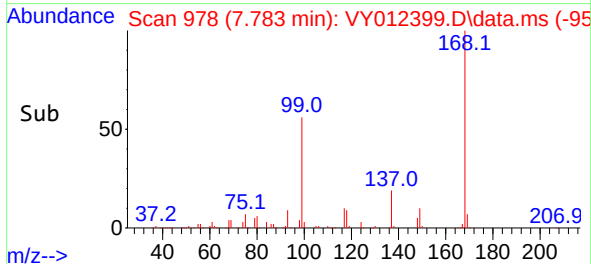
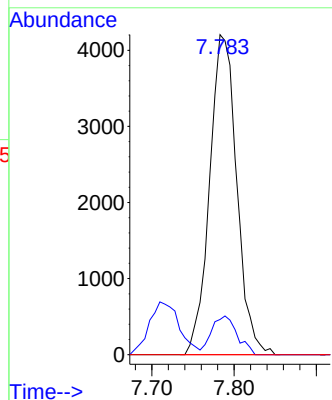
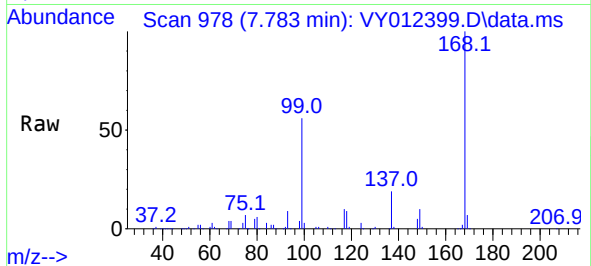




#36
1,1-Dichloropropene
Concen: 4.345 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

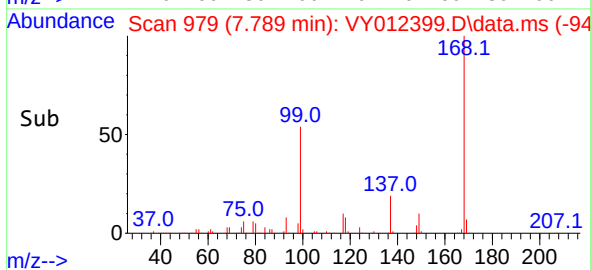
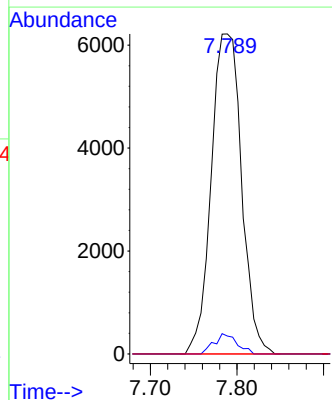
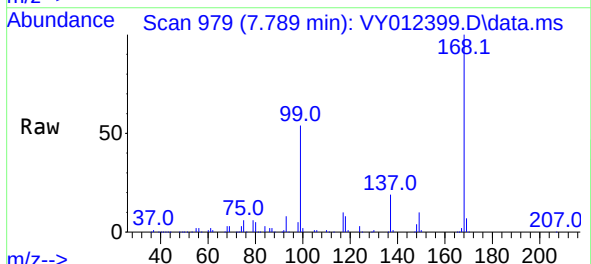
Instrument :
MSVOA_Y
ClientSampleId :
JC-2-012723

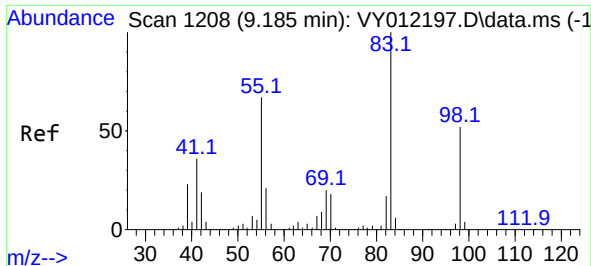
Tgt Ion: 75 Resp: 9657
Ion Ratio Lower Upper
75 100
110 11.4 18.1 54.1#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.267 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

Tgt Ion: 117 Resp: 15117
Ion Ratio Lower Upper
117 100
119 5.6 73.8 110.8#
121 0.0 25.2 37.8#

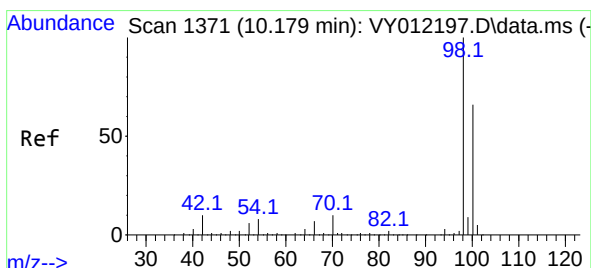
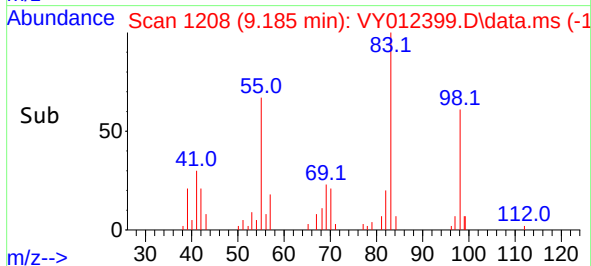
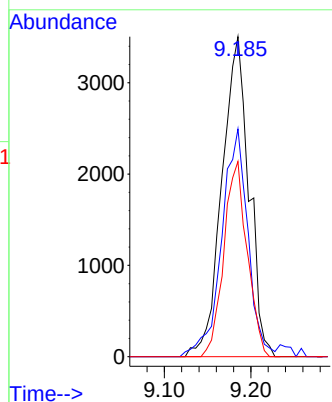
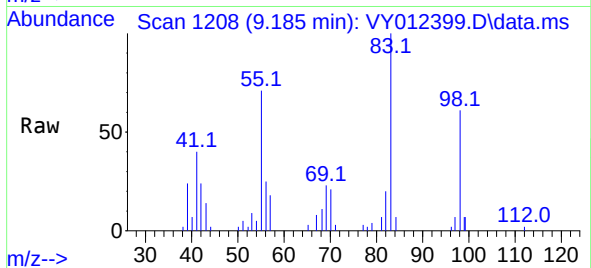




#39
Methylcyclohexane
Concen: 2.796 ug/l
RT: 9.185 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

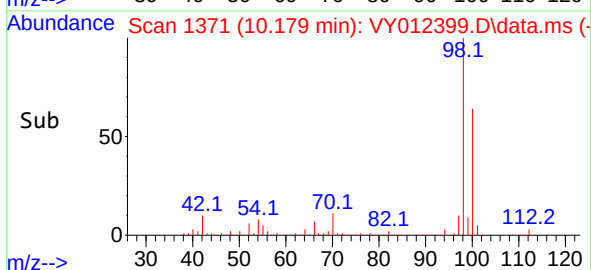
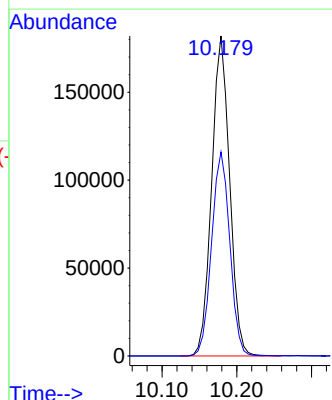
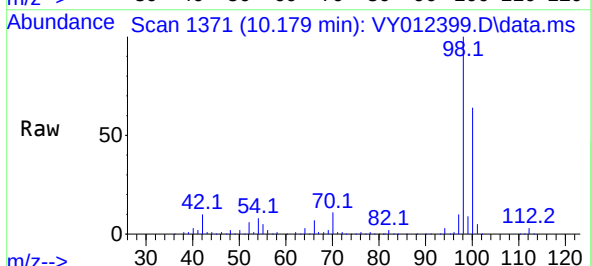
Instrument :
MSVOA_Y
ClientSampleId :
JC-2-012723

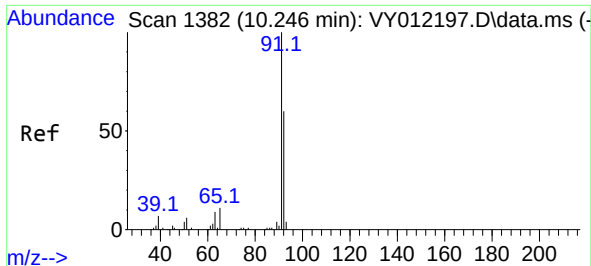
Tgt Ion: 83 Resp: 7593
Ion Ratio Lower Upper
83 100
55 71.2 58.2 87.2
98 61.0 38.6 58.0#



#50
Toluene-d8
Concen: 68.615 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

Tgt Ion: 98 Resp: 303581
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9

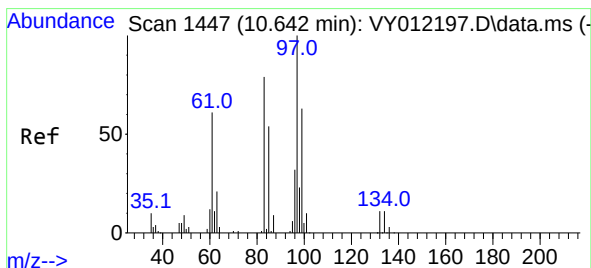
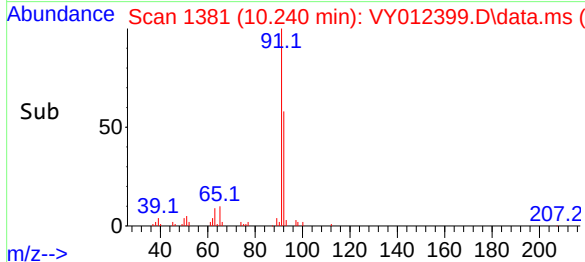
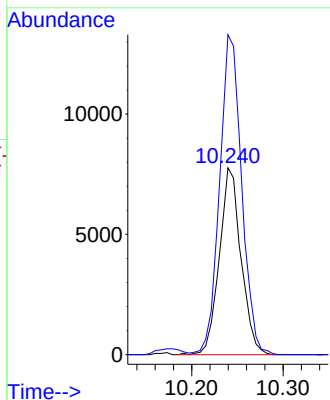
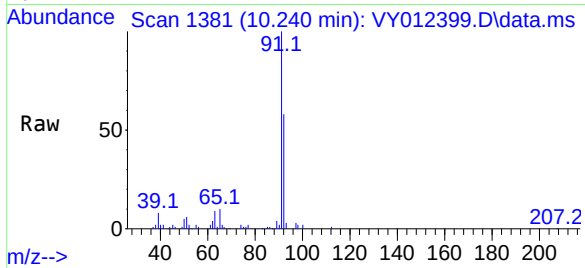




#52
Toluene
Concen: 2.996 ug/l
RT: 10.240 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

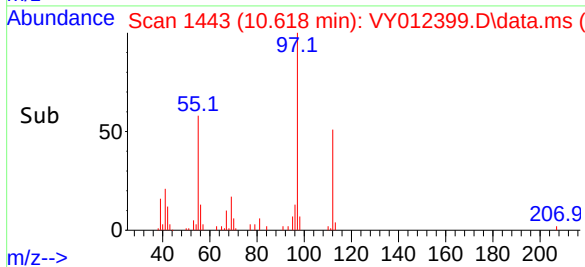
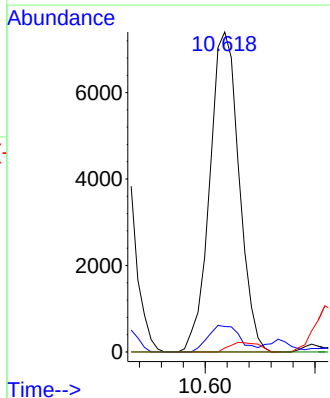
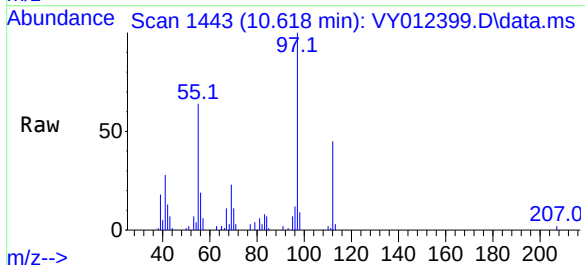
Instrument :
MSVOA_Y
ClientSampleId :
JC-2-012723

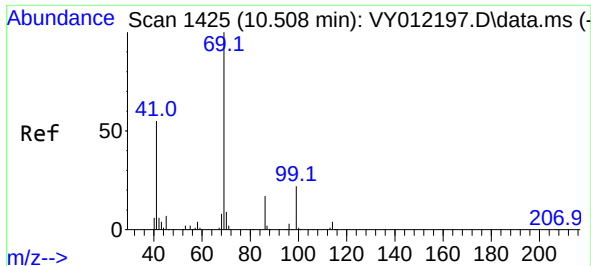
Tgt Ion: 92 Resp: 12795
Ion Ratio Lower Upper
92 100
91 174.4 137.4 206.0



#55
1,1,2-Trichloroethane
Concen: 10.798 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.024 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

Tgt Ion: 97 Resp: 13746
Ion Ratio Lower Upper
97 100
83 8.0 67.7 101.5#
85 1.3 43.8 65.8#
99 0.0 49.0 73.4#





#56

Ethyl methacrylate

Concen: 2.243 ug/l

RT: 10.520 min Scan# 1425

Delta R.T. 0.012 min

Lab File: VY012399.D

Acq: 30 Jan 2023 15:48

Instrument :

MSVOA_Y

ClientSampleId :

JC-2-012723

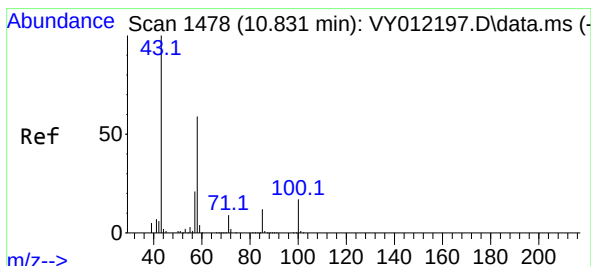
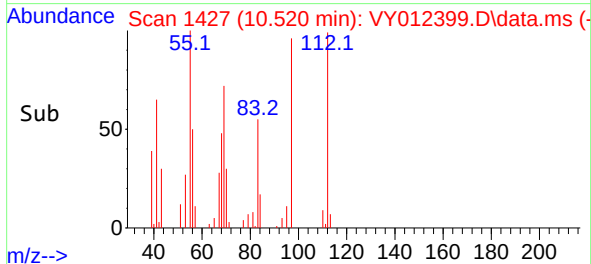
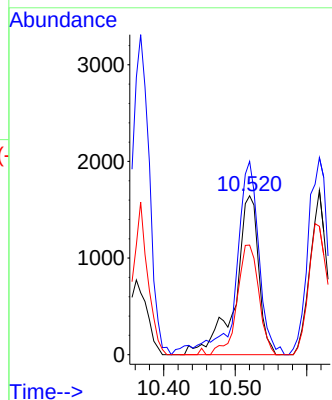
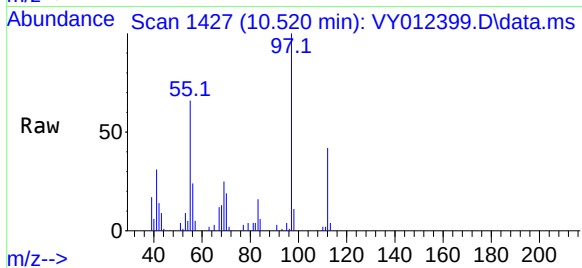
Tgt Ion: 69 Resp: 3747

Ion Ratio Lower Upper

69 100

41 114.0 48.9 73.3#

39 63.5 25.9 38.9#



#59

2-Hexanone

Concen: 5.327 ug/l

RT: 10.801 min Scan# 1473

Delta R.T. -0.030 min

Lab File: VY012399.D

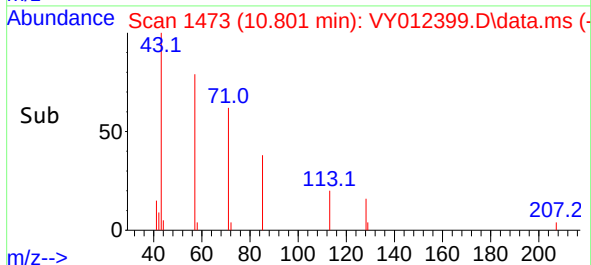
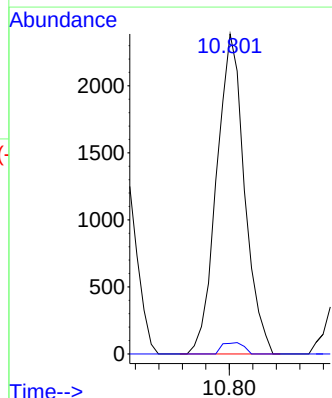
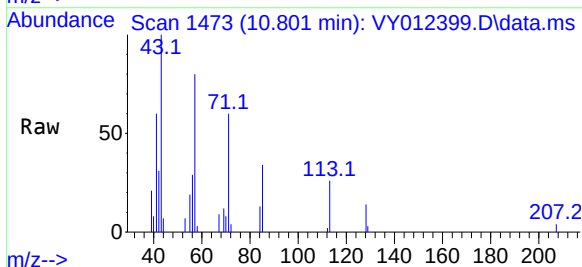
Acq: 30 Jan 2023 15:48

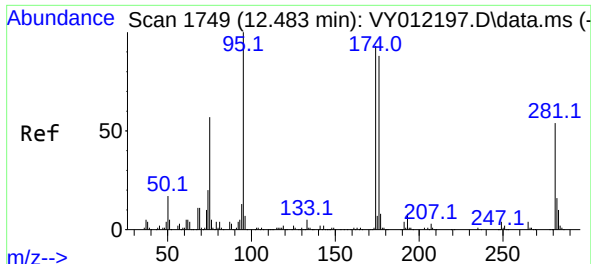
Tgt Ion: 43 Resp: 3942

Ion Ratio Lower Upper

43 100

58 2.7 28.4 85.2#

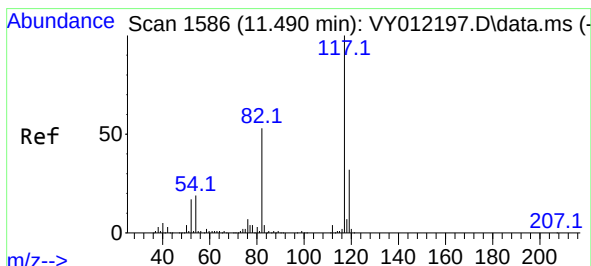
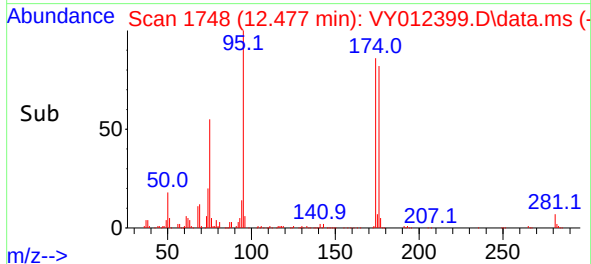
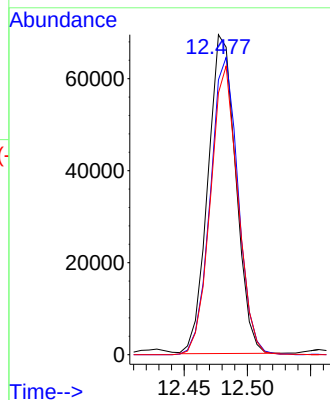
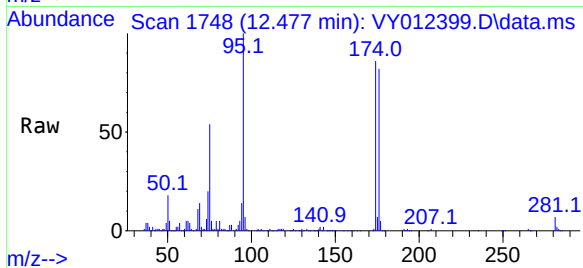




#62
4-Bromofluorobenzene
Concen: 57.483 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

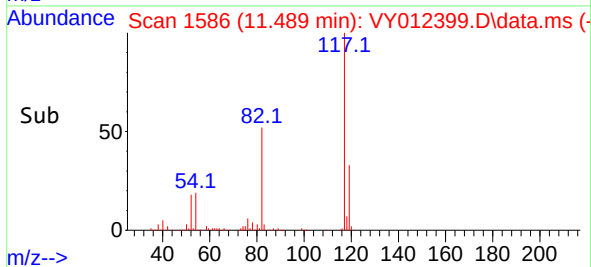
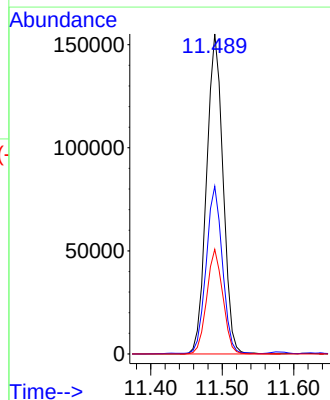
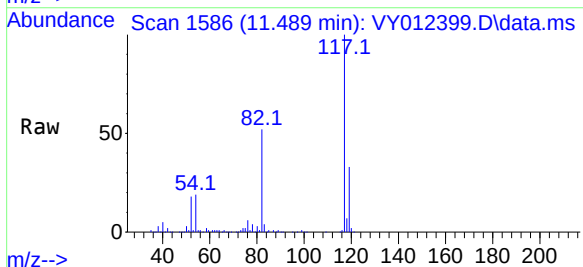
Instrument :
MSVOA_Y
ClientSampleId :
JC-2-012723

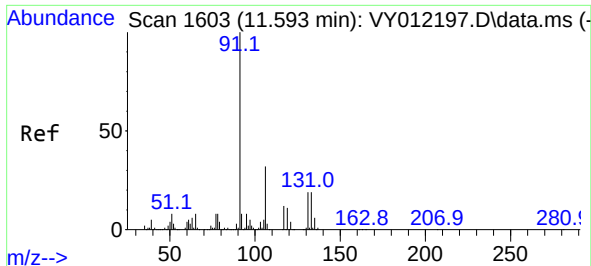
Tgt Ion: 95 Resp: 105967
Ion Ratio Lower Upper
95 100
174 93.0 0.0 172.0
176 89.1 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

Tgt Ion: 117 Resp: 248265
Ion Ratio Lower Upper
117 100
82 52.2 44.8 67.2
119 32.7 25.4 38.2

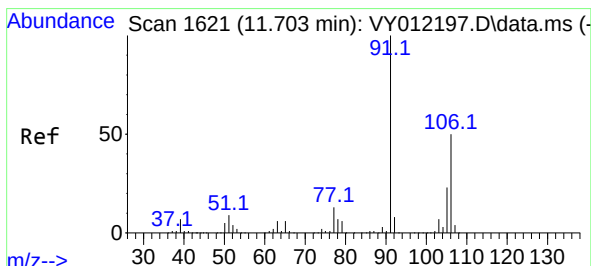
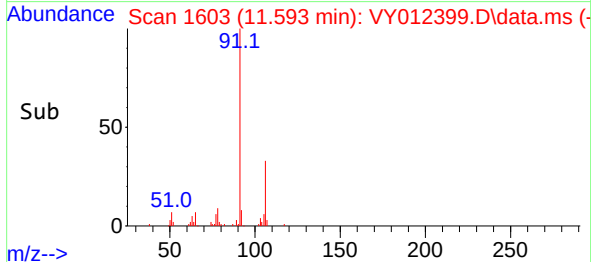
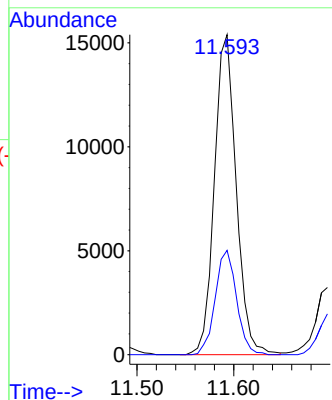
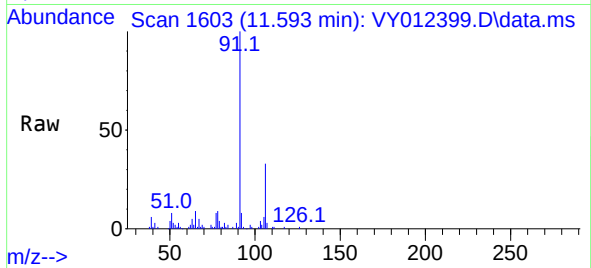




#67
Ethyl Benzene
Concen: 2.655 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

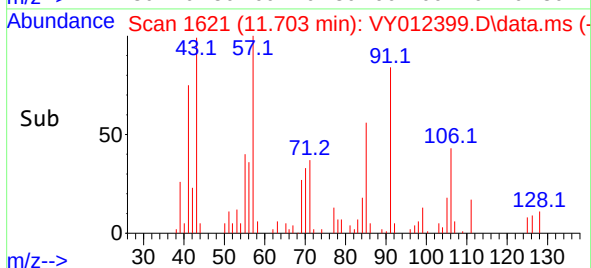
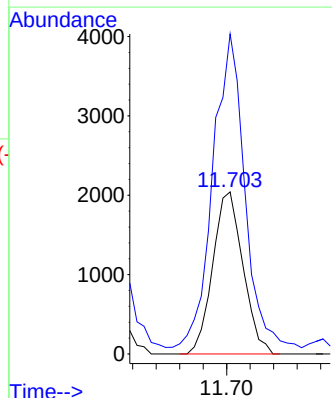
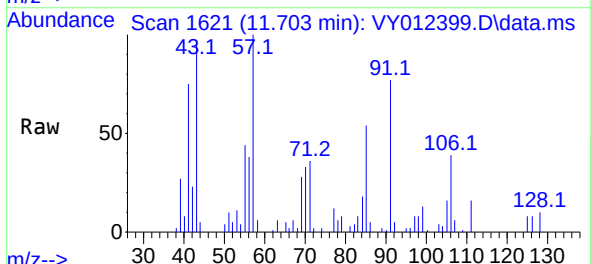
Instrument :
MSVOA_Y
ClientSampleId :
JC-2-012723

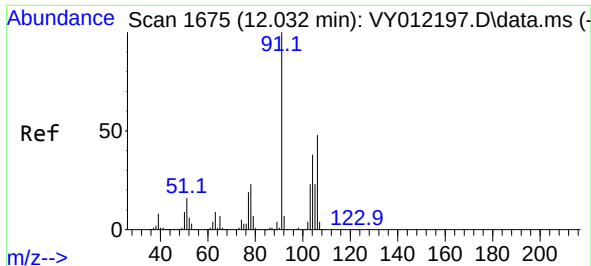
Tgt Ion: 91 Resp: 24106
Ion Ratio Lower Upper
91 100
106 32.6 25.0 37.4



#68
m/p-Xylenes
Concen: 1.015 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

Tgt Ion: 106 Resp: 3645
Ion Ratio Lower Upper
106 100
91 205.6 162.5 243.7

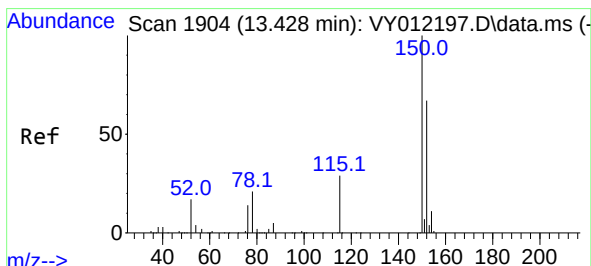
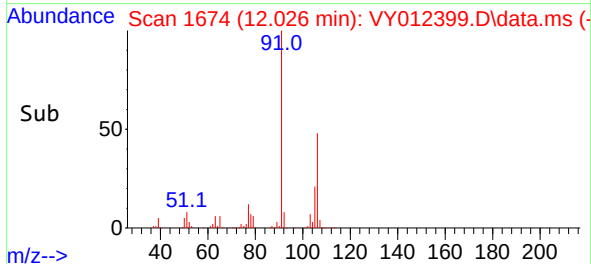
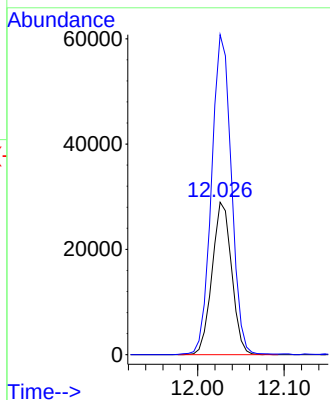
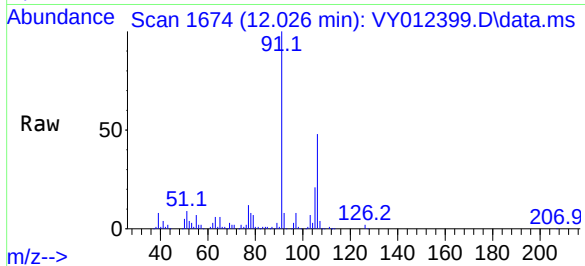




#69
o-Xylene
Concen: 13.229 ug/l
RT: 12.026 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

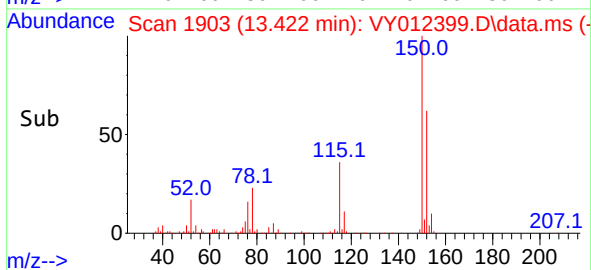
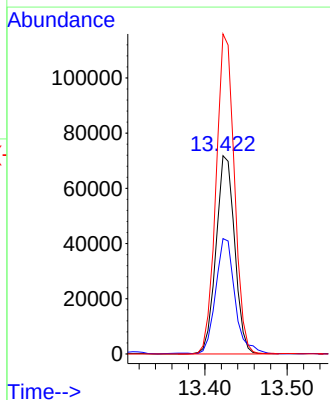
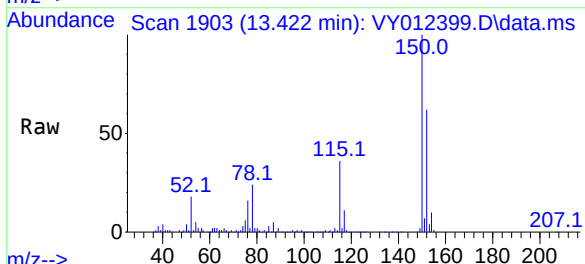
Instrument :
MSVOA_Y
ClientSampleId :
JC-2-012723

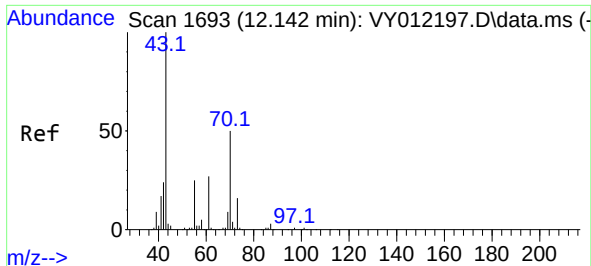
Tgt Ion:106 Resp: 45354
Ion Ratio Lower Upper
106 100
91 213.4 107.5 322.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

Tgt Ion:152 Resp: 113102
Ion Ratio Lower Upper
152 100
115 60.2 29.1 87.3
150 158.4 0.0 342.6



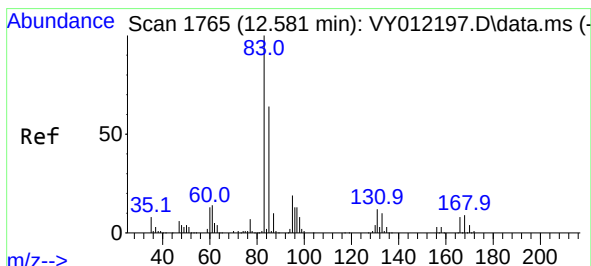
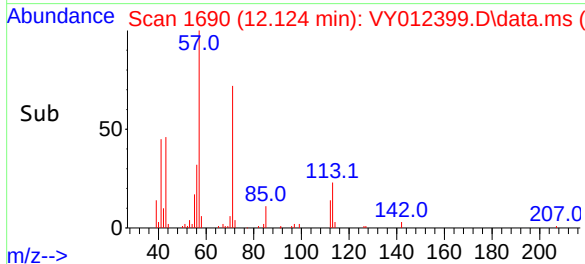
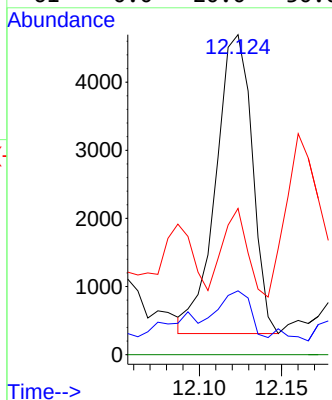
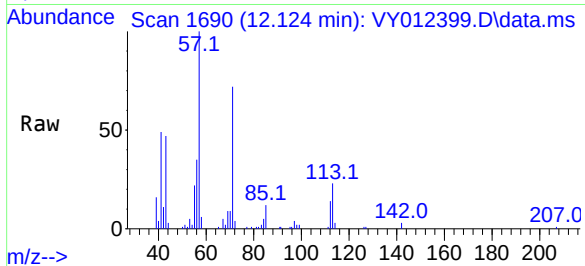


#74
N-amy1 acetate
Concen: 4.228 ug/l
RT: 12.124 min Scan# 1
Delta R.T. -0.018 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

Instrument :
MSVOA_Y
ClientSampleId :
JC-2-012723

Tgt Ion: 43 Resp: 6760

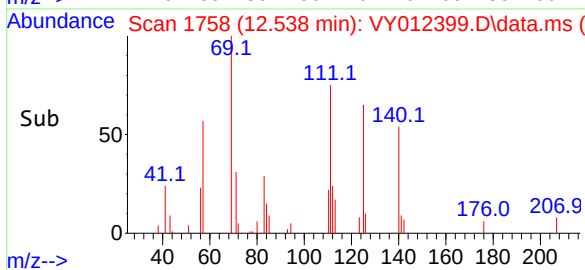
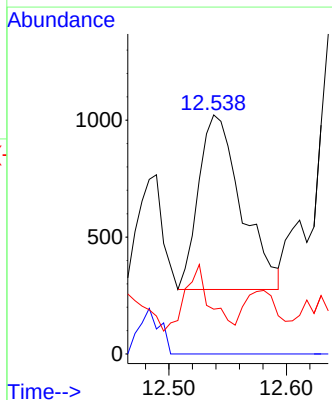
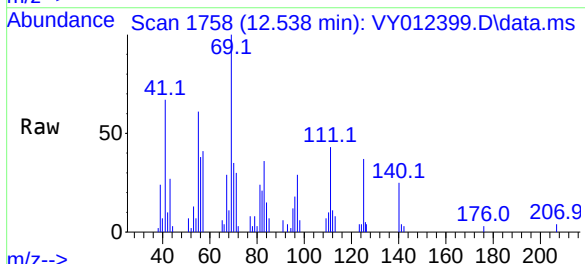
Ion	Ratio	Lower	Upper
43	100		
70	14.2	35.8	53.8#
55	20.7	21.0	31.4#
61	0.0	20.0	30.0#

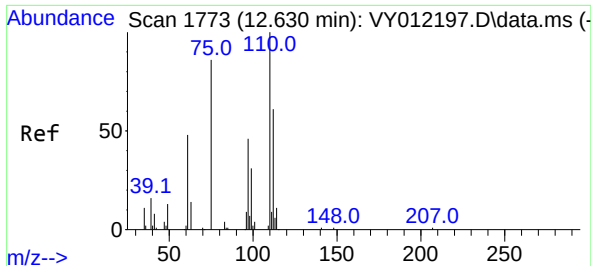


#75
1,1,2,2-Tetrachloroethane
Concen: 1.474 ug/l
RT: 12.538 min Scan# 1758
Delta R.T. -0.043 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

Tgt Ion: 83 Resp: 1894

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.6	16.8#
85	21.8	32.3	96.8#

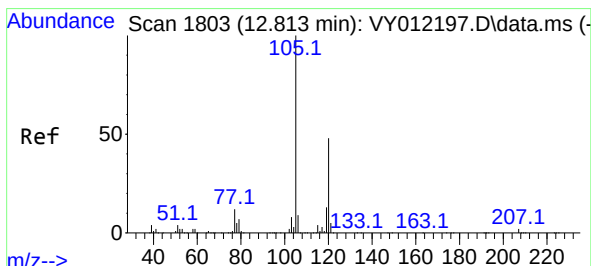
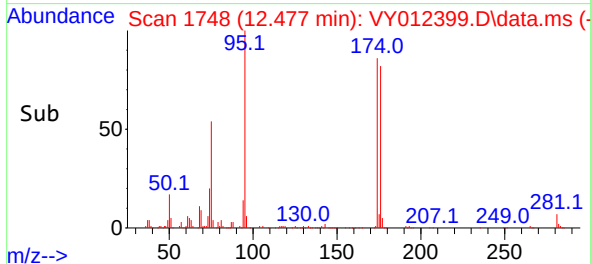
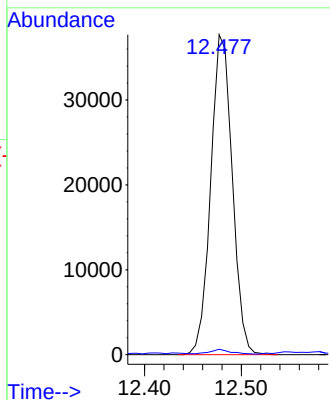
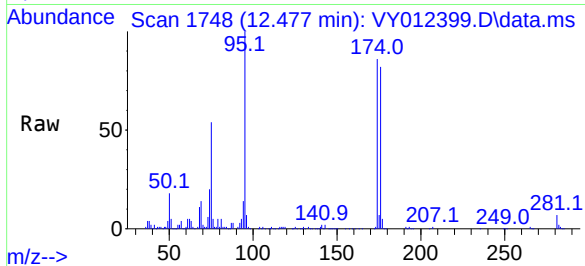




#76
1,2,3-Trichloropropane
Concen: 56.057 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.153 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

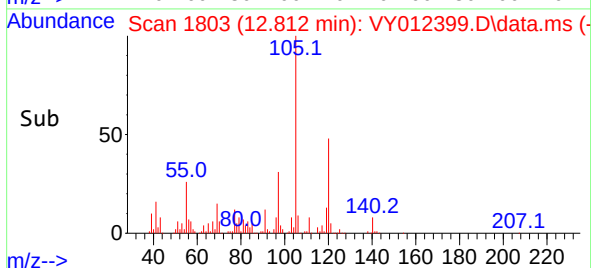
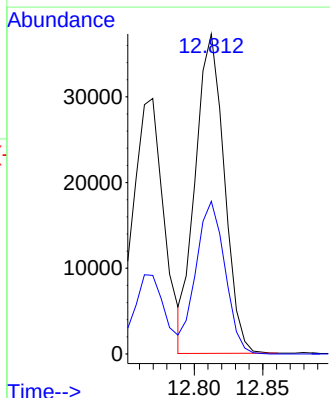
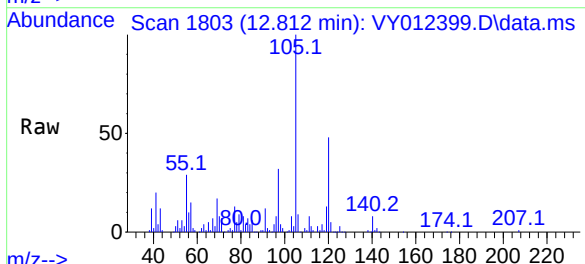
Instrument :
MSVOA_Y
ClientSampleId :
JC-2-012723

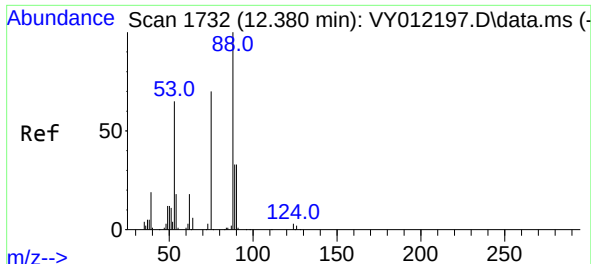
Tgt Ion: 75 Resp: 58300
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 7.711 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.001 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

Tgt Ion: 105 Resp: 54671
Ion Ratio Lower Upper
105 100
120 47.9 24.2 72.6

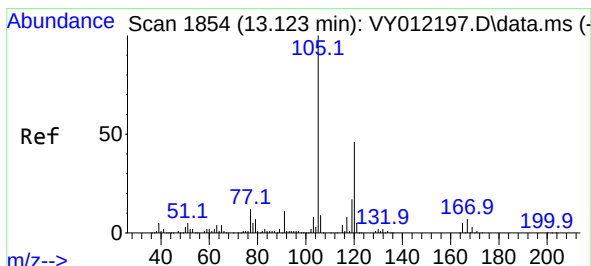
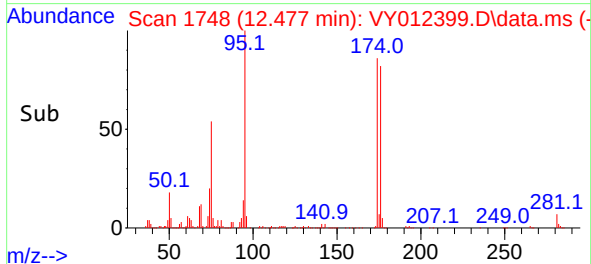
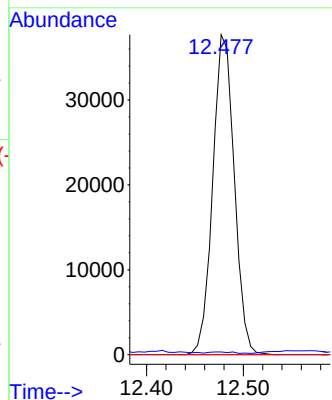
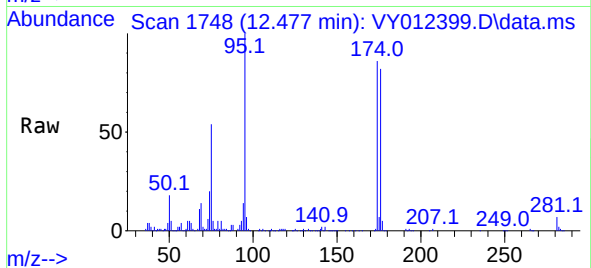




#81
trans-1,4-Dichloro-2-butene
Concen: 115.502 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

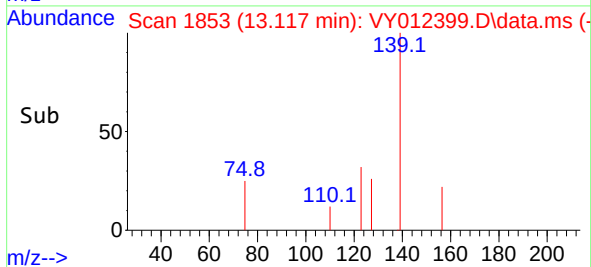
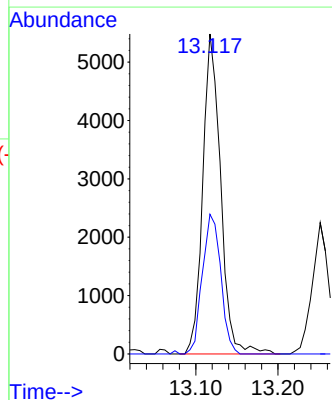
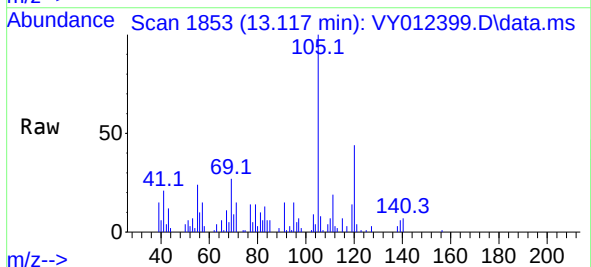
Instrument :
MSVOA_Y
ClientSampleId :
JC-2-012723

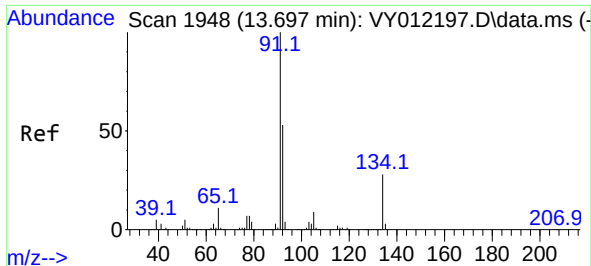
Tgt Ion: 75 Resp: 58300
Ion Ratio Lower Upper
75 100
53 0.5 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.188 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

Tgt Ion: 105 Resp: 8306
Ion Ratio Lower Upper
105 100
120 44.9 22.9 68.7





#89

n-Butylbenzene

Concen: 2.284 ug/l

RT: 13.666 min Scan# 1943

Delta R.T. -0.031 min

Lab File: VY012399.D

Acq: 30 Jan 2023 15:48

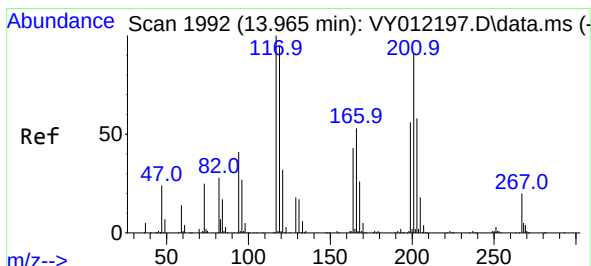
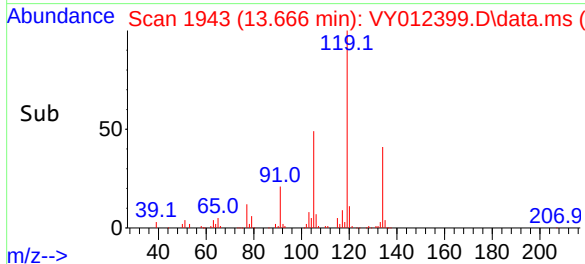
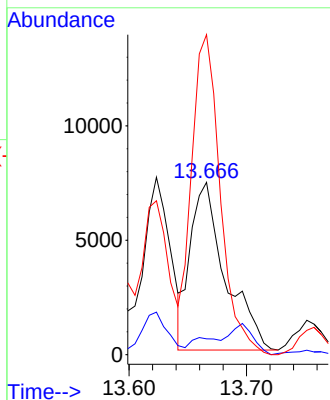
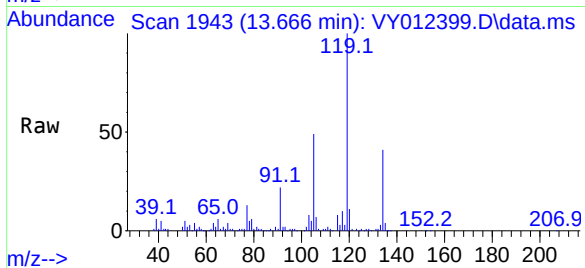
Instrument :

MSVOA_Y

ClientSampleId :

JC-2-012723

Tgt Ion: 91	Resp:	15215
Ion Ratio	Lower	Upper
91	100	
92	8.1	26.8 80.4#
134	156.2	13.3 39.8#



#90

Hexachloroethane

Concen: 3.763 ug/l

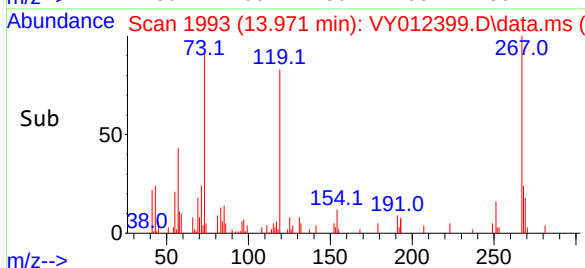
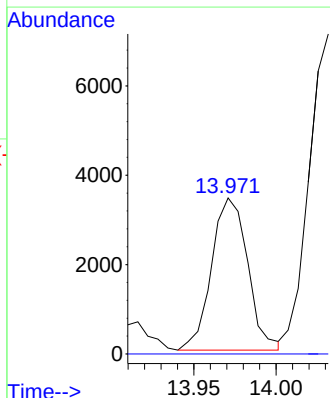
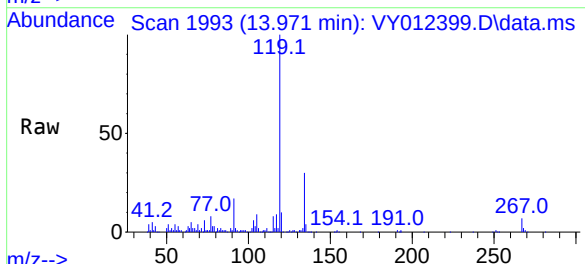
RT: 13.971 min Scan# 1993

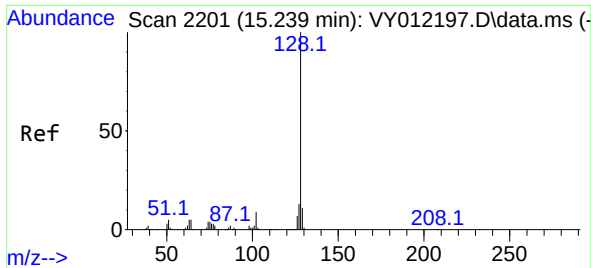
Delta R.T. 0.012 min

Lab File: VY012399.D

Acq: 30 Jan 2023 15:48

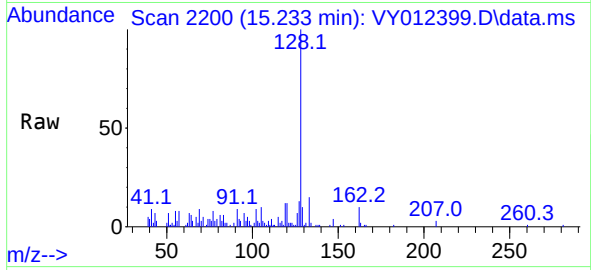
Tgt Ion: 117	Resp:	5222
Ion Ratio	Lower	Upper
117	100	
201	0.0	40.3 120.8#





#95
Naphthalene
Concen: 2.971 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

Instrument :
MSVOA_Y
ClientSampleId :
JC-2-012723



Tgt Ion:	128	Resp:	13084
Ion	Ratio	Lower	Upper
128	100		
127	16.1	10.2	15.2#
129	11.6	8.8	13.2

