

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032122\
 Data File : VY007957.D
 Acq On : 21 Mar 2022 16:12
 Operator : SY/MD
 Sample : N1958-04RE
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C-4-3-4

Quant Time: Mar 22 03:39:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

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

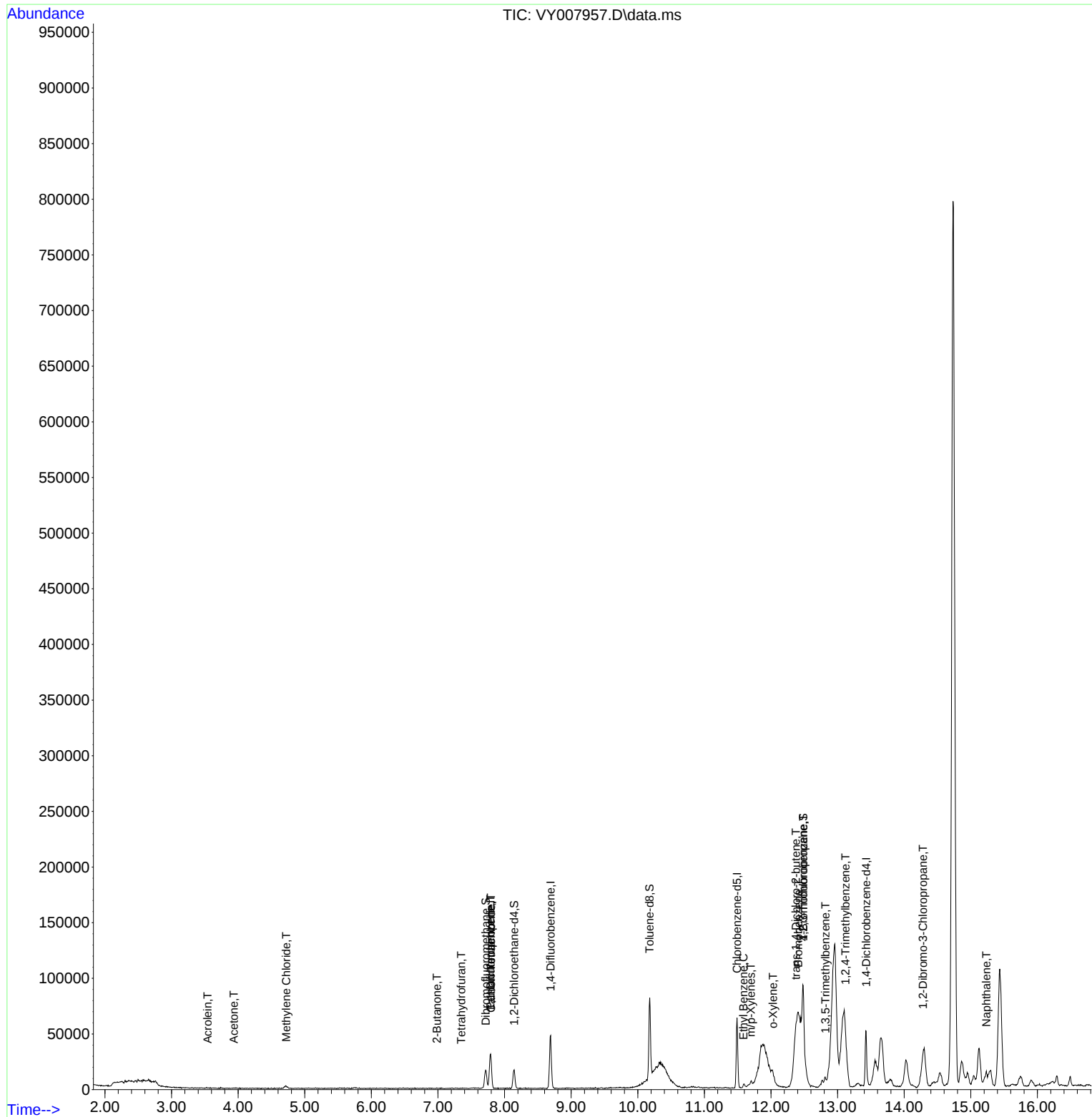
Internal Standards						
1) Pentafluorobenzene	7.789	168	22535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	40027	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	31963	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	11747	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	12467	48.521	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.040%		
35) Dibromofluoromethane	7.716	113	12304	43.770	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	87.540%		
50) Toluene-d8	10.179	98	47622	56.923	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	113.840%		
62) 4-Bromofluorobenzene	12.483	95	13981	34.654	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	69.300%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.119	85	20	Below Cal	#	43
3) Chloromethane	2.125	50	214	Below Cal	#	44
4) Vinyl Chloride	2.247	62	335	Below Cal	#	43
5) Bromomethane	2.656	94	363	Below Cal		83
13) Acrolein	3.540	56	27	1.498	ug/l #	1
16) Acetone	3.936	43	707	10.372	ug/l #	47
18) Methyl Acetate	4.442	43	135	Below Cal	#	56
20) Methylene Chloride	4.723	84	1563	1.421	ug/l #	68
25) 2-Butanone	6.984	43	119	1.090	ug/l #	54
29) Tetrahydrofuran	7.350	42	147	2.101	ug/l #	38
31) Cyclohexane	7.795	56	575	Below Cal	#	56
36) 1,1-Dichloropropene	7.789	75	2035	4.881	ug/l #	49
38) Carbon Tetrachloride	7.795	117	2550	5.724	ug/l #	15
39) Methylcyclohexane	9.173	83	19	Below Cal	#	16
67) Ethyl Benzene	11.587	91	2409	1.766	ug/l	95
68) m/p-Xylenes	11.697	106	663	1.246	ug/l #	58
69) o-Xylene	12.032	106	788	1.531	ug/l	87
76) 1,2,3-Trichloropropane	12.483	75	9483	56.637	ug/l #	100
77) Bromobenzene	12.410	156	60785	257.256	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.819	105	2723	3.202	ug/l	86
81) trans-1,4-Dichloro-2-b...	12.374	75	640	8.029	ug/l #	52
84) 1,2,4-Trimethylbenzene	13.117	105	925	1.110	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.282	75	2495	65.159	ug/l #	6
95) Naphthalene	15.233	128	4437	7.579	ug/l #	88

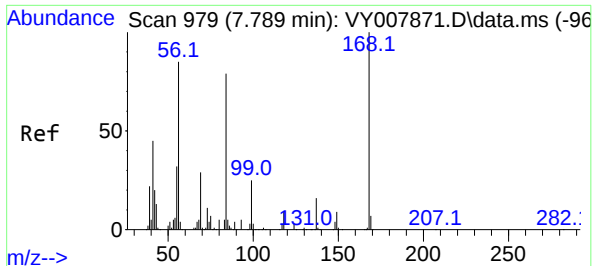
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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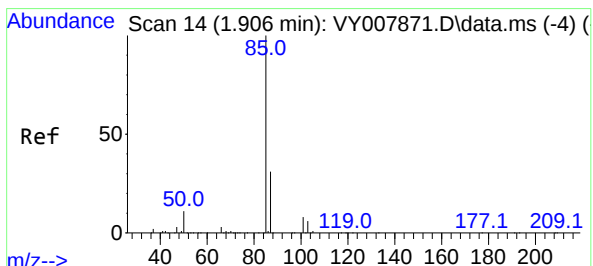
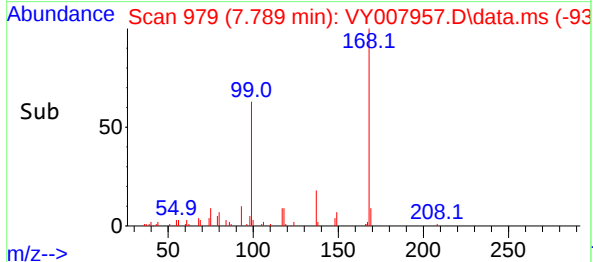
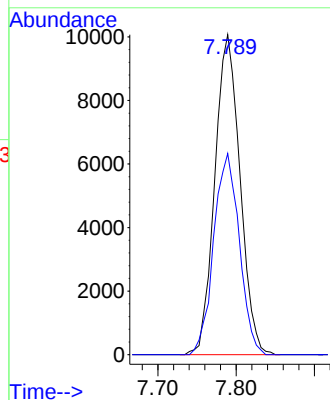
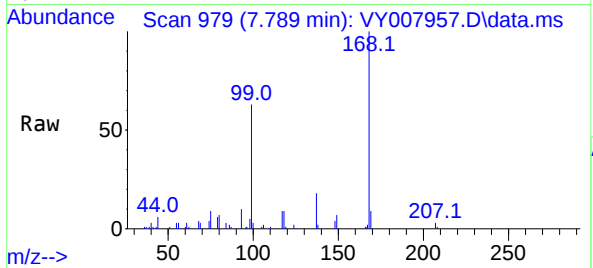




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007957.D
Acq: 21 Mar 2022 16:12

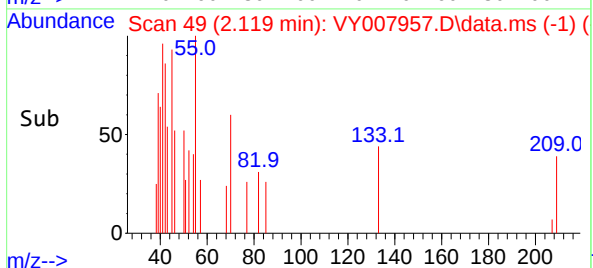
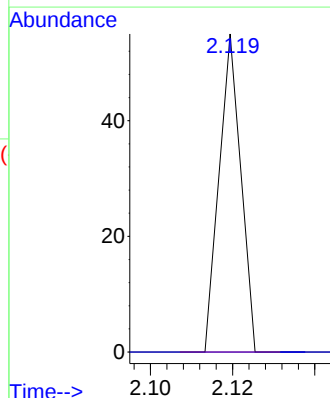
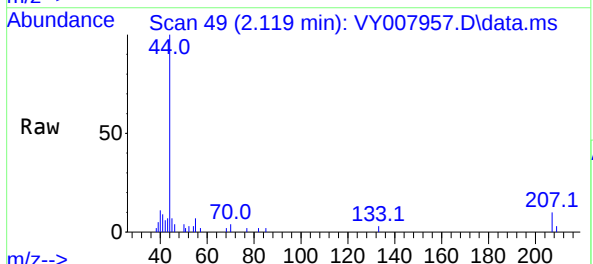
Instrument :
MSVOA_Y
ClientSampleId :
C-4-3-4

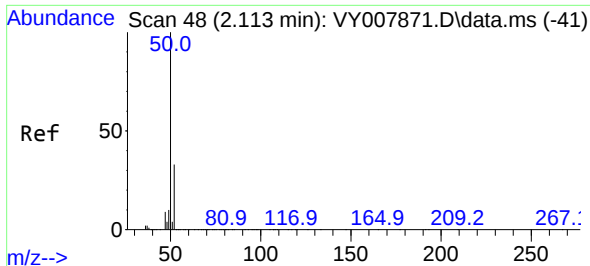
Tgt Ion:168 Resp: 22535
Ion Ratio Lower Upper
168 100
99 62.8 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.213 min
Lab File: VY007957.D
Acq: 21 Mar 2022 16:12

Tgt Ion: 85 Resp: 20
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

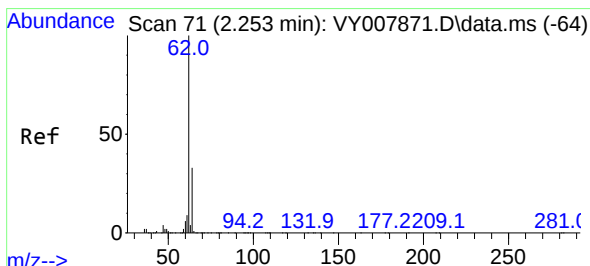
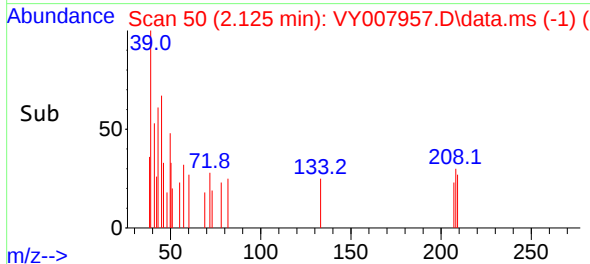
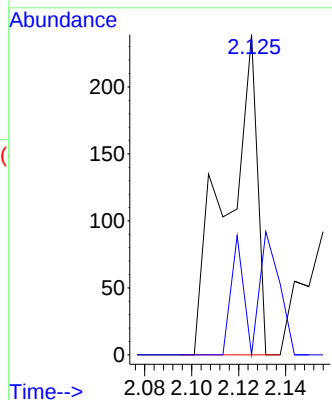
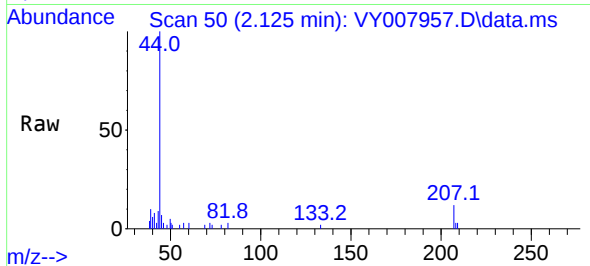




#3
Chloromethane
Concen: Below Cal
RT: 2.125 min Scan# 50
Delta R.T. 0.012 min
Lab File: VY007957.D
Acq: 21 Mar 2022 16:12

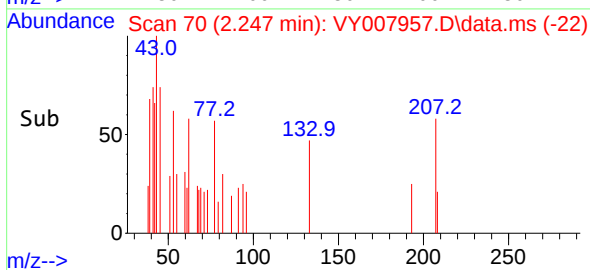
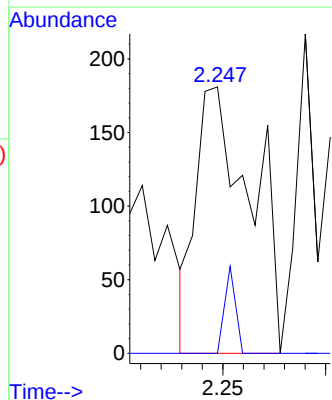
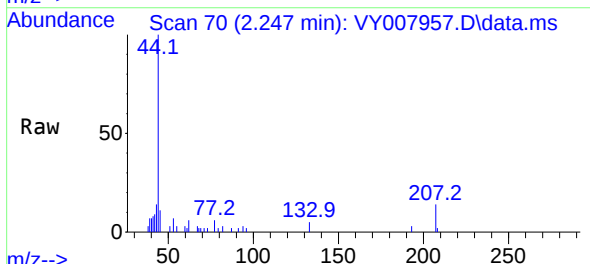
Instrument :
MSVOA_Y
ClientSampleId :
C-4-3-4

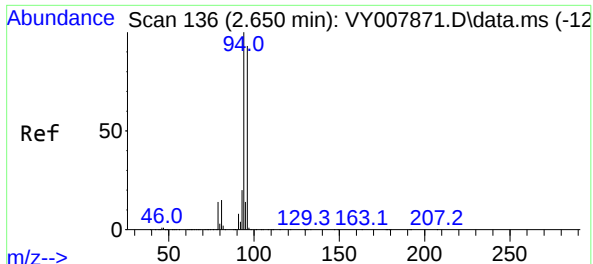
Tgt Ion: 50 Resp: 214
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.247 min Scan# 70
Delta R.T. -0.006 min
Lab File: VY007957.D
Acq: 21 Mar 2022 16:12

Tgt Ion: 62 Resp: 335
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

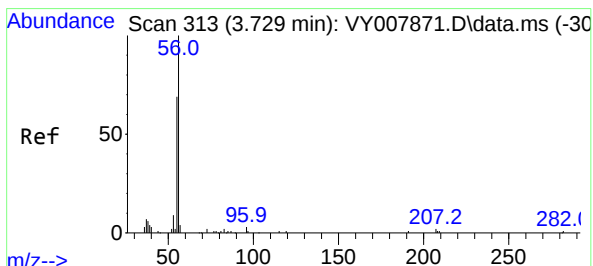
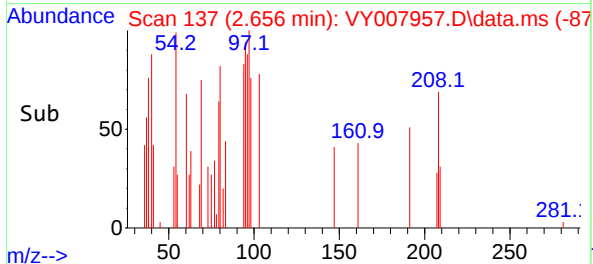
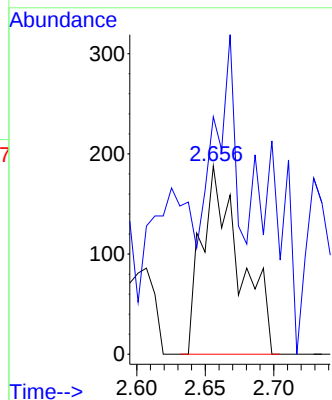
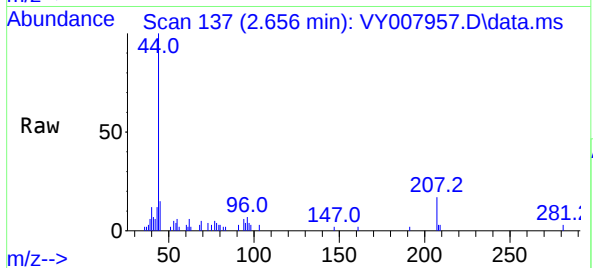




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY007957.D
Acq: 21 Mar 2022 16:12

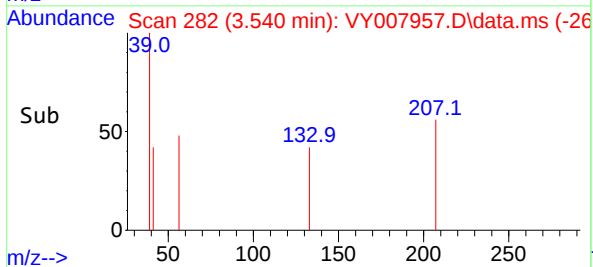
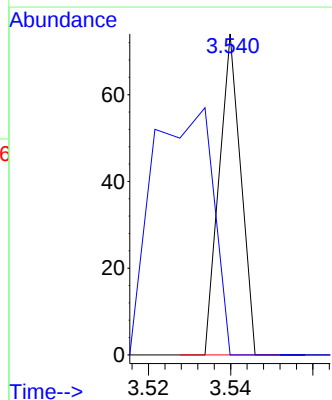
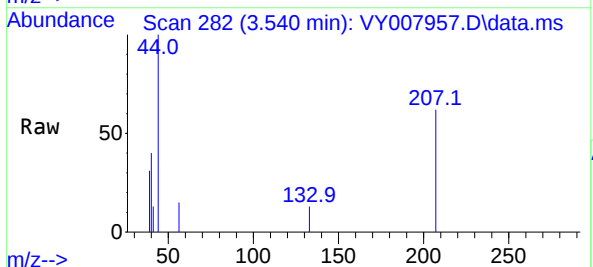
Instrument :
MSVOA_Y
ClientSampleId :
C-4-3-4

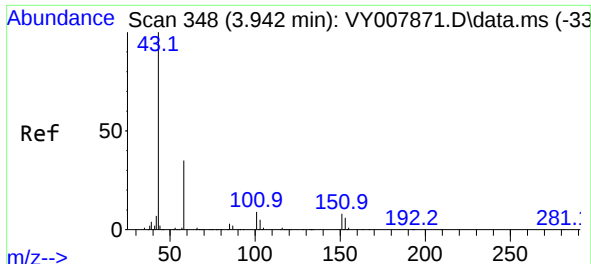
Tgt Ion: 94 Resp: 363
Ion Ratio Lower Upper
94 100
96 76.1 73.5 110.3



#13
Acrolein
Concen: 1.498 ug/l
RT: 3.540 min Scan# 282
Delta R.T. -0.189 min
Lab File: VY007957.D
Acq: 21 Mar 2022 16:12

Tgt Ion: 56 Resp: 27
Ion Ratio Lower Upper
56 100
55 214.8 57.6 86.4#

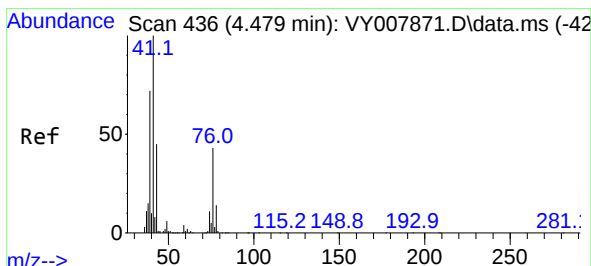
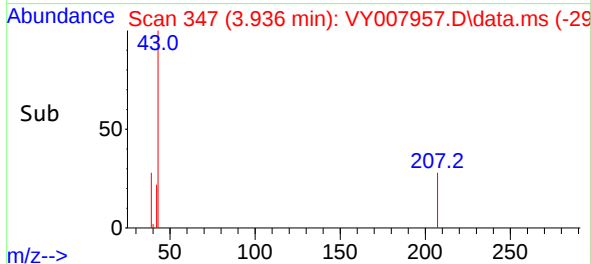
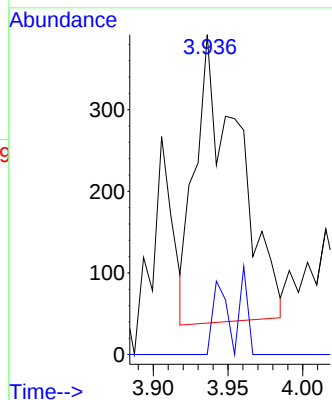
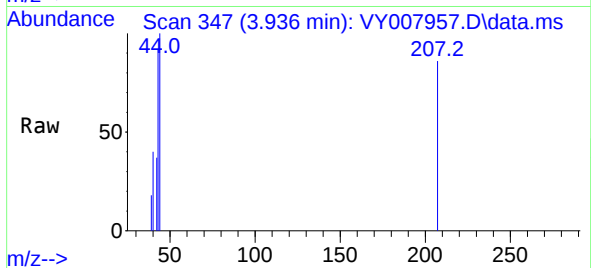




#16
Acetone
Concen: 10.372 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY007957.D
Acq: 21 Mar 2022 16:12

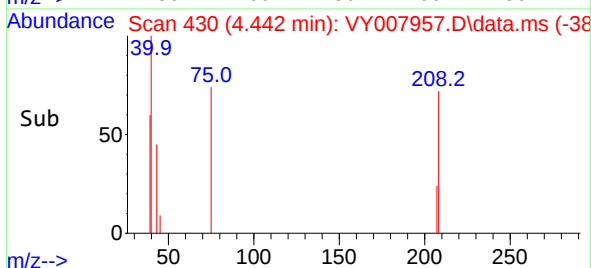
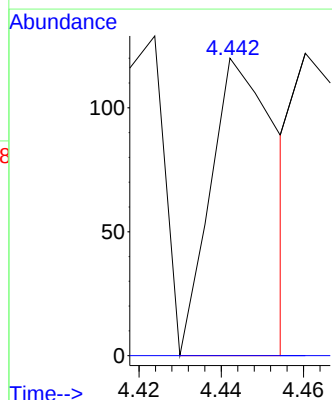
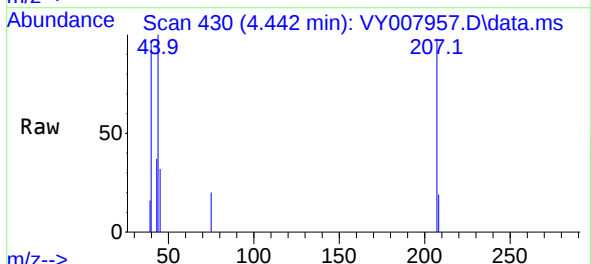
Instrument :
MSVOA_Y
ClientSampleId :
C-4-3-4

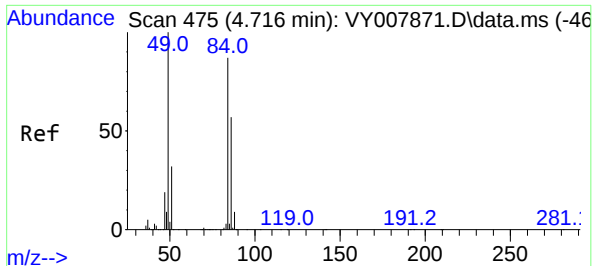
Tgt Ion: 43 Resp: 707
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.442 min Scan# 430
Delta R.T. -0.030 min
Lab File: VY007957.D
Acq: 21 Mar 2022 16:12

Tgt Ion: 43 Resp: 135
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



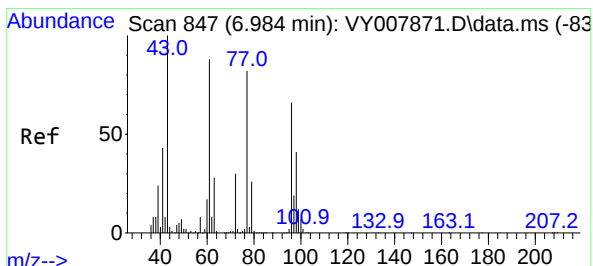
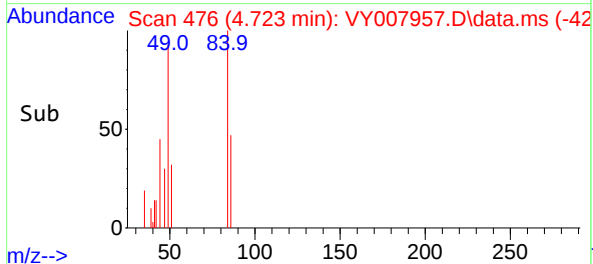
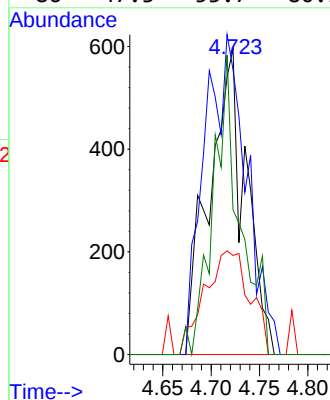
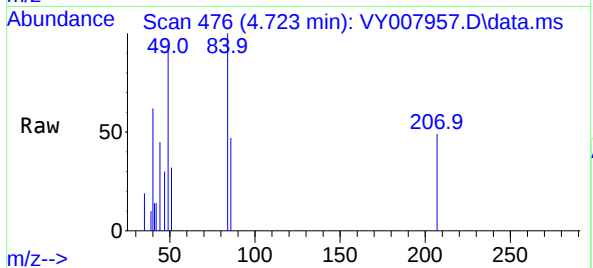


#20
Methylene Chloride
Concen: 1.421 ug/l
RT: 4.723 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY007957.D
Acq: 21 Mar 2022 16:12

Instrument :
MSVOA_Y
ClientSampleId :
C-4-3-4

Tgt Ion: 84 Resp: 1563

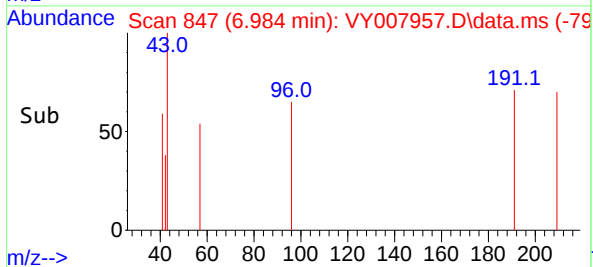
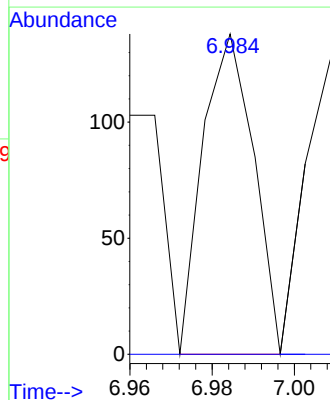
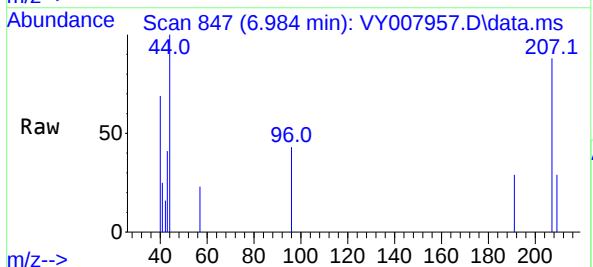
Ion	Ratio	Lower	Upper
84	100		
49	93.1	114.4	171.6#
51	32.4	35.3	52.9#
86	47.3	53.7	80.5#

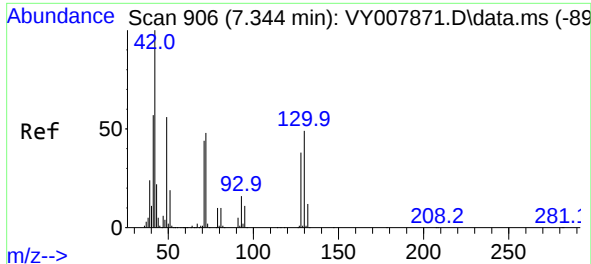


#25
2-Butanone
Concen: 1.090 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY007957.D
Acq: 21 Mar 2022 16:12

Tgt Ion: 43 Resp: 119

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#





#29

Tetrahydrofuran

Concen: 2.101 ug/l

RT: 7.350 min Scan# 90

Delta R.T. 0.006 min

Lab File: VY007957.D

Acq: 21 Mar 2022 16:12

Instrument :

MSVOA_Y

ClientSampleId :

C-4-3-4

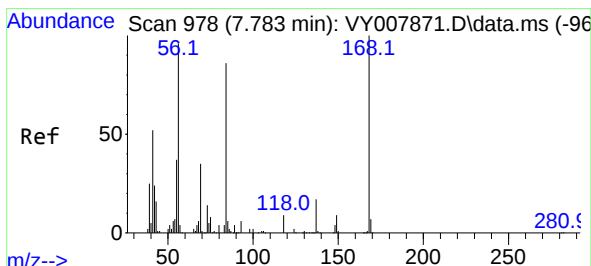
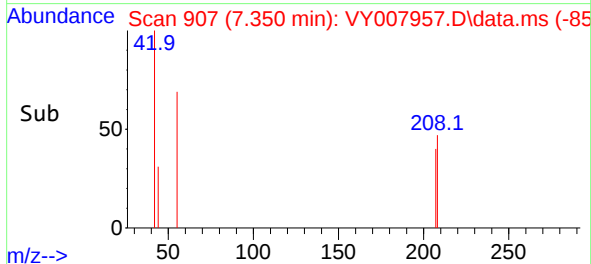
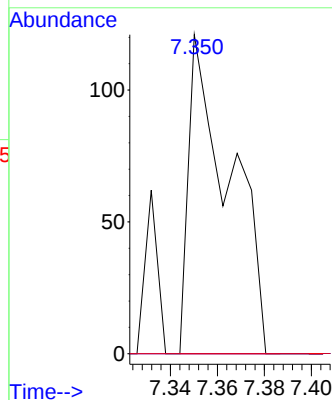
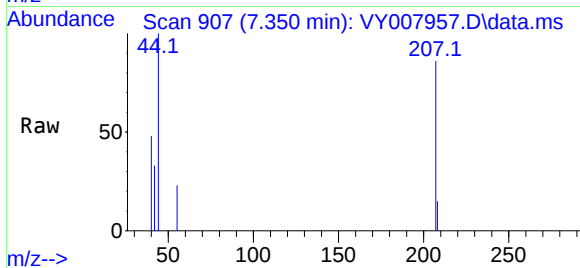
Tgt Ion: 42 Resp: 147

Ion Ratio Lower Upper

42 100

72 0.0 30.3 45.5#

71 0.0 29.0 43.4#



#31

Cyclohexane

Concen: Below Cal

RT: 7.795 min Scan# 980

Delta R.T. 0.012 min

Lab File: VY007957.D

Acq: 21 Mar 2022 16:12

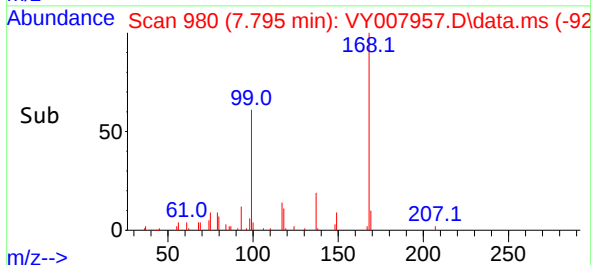
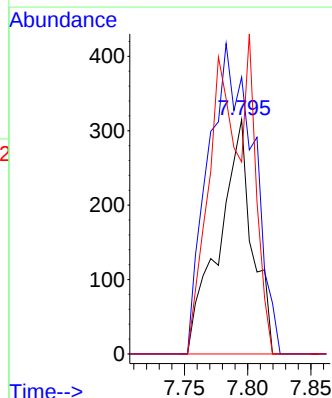
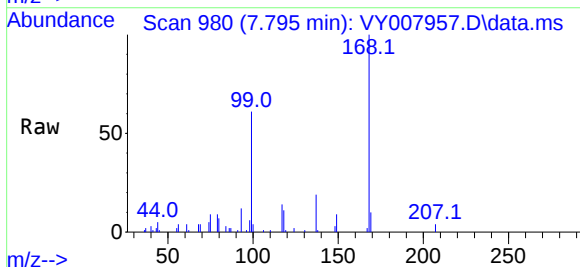
Tgt Ion: 56 Resp: 575

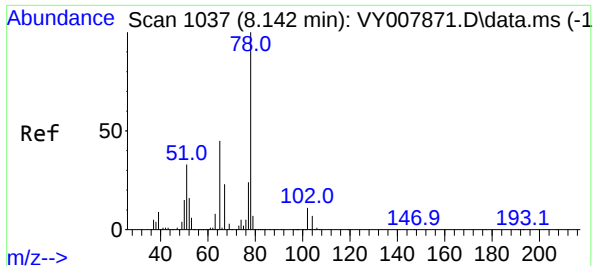
Ion Ratio Lower Upper

56 100

69 118.1 26.7 40.1#

84 81.9 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 48.521 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY007957.D

Acq: 21 Mar 2022 16:12

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ClientSampleId :

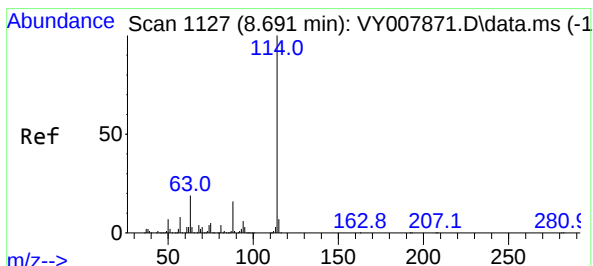
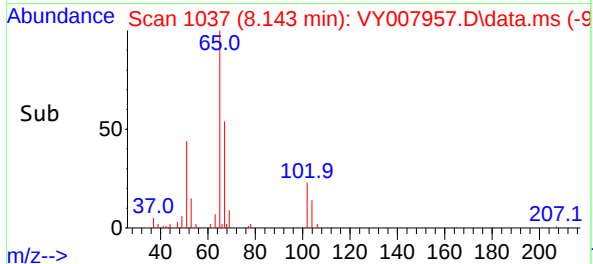
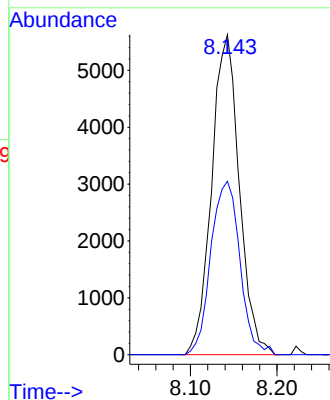
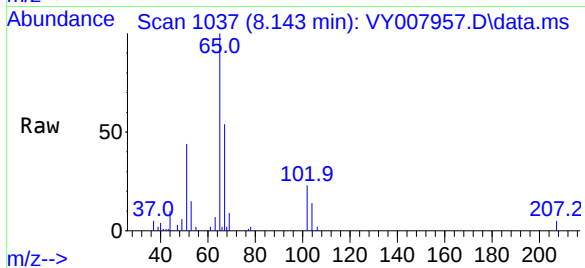
C-4-3-4

Tgt Ion: 65 Resp: 12467

Ion Ratio Lower Upper

65 100

67 56.9 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY007957.D

Acq: 21 Mar 2022 16:12

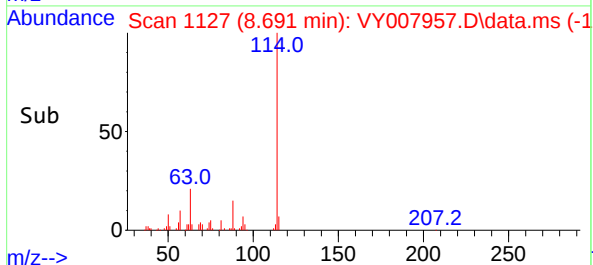
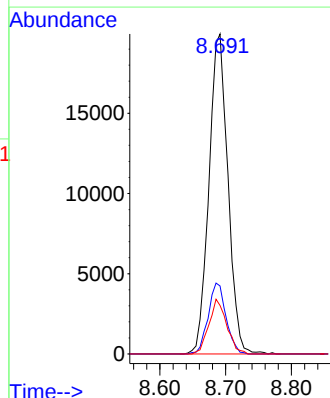
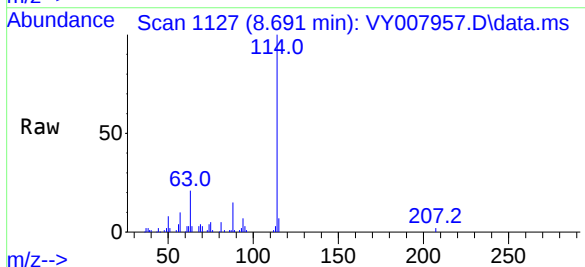
Tgt Ion: 114 Resp: 40027

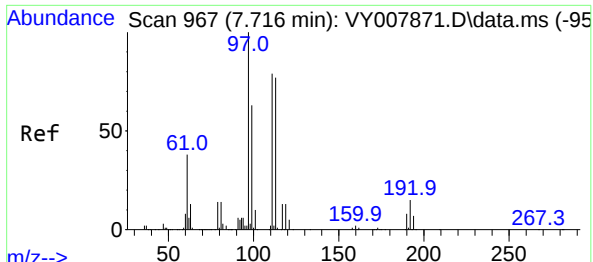
Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.2

88 15.1 0.0 31.8

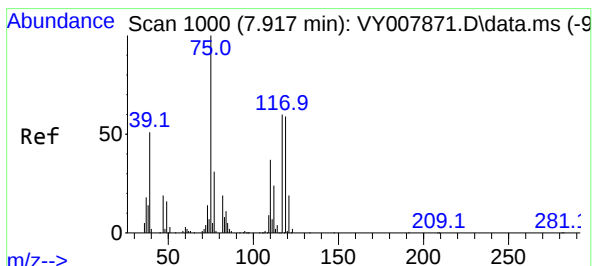
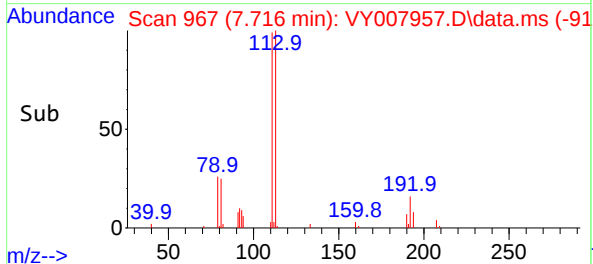
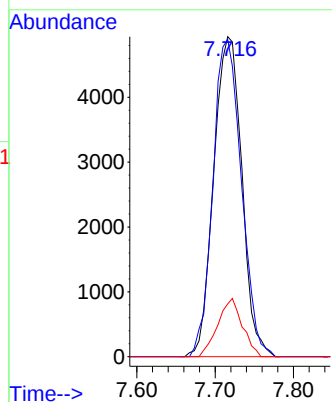
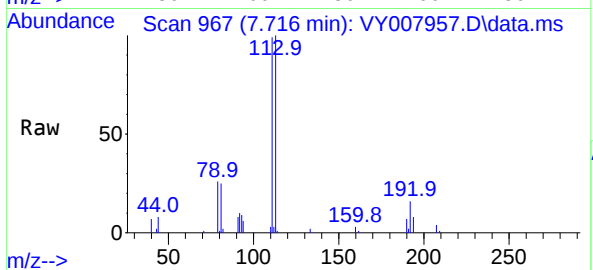




#35
Dibromofluoromethane
Concen: 43.770 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY007957.D
Acq: 21 Mar 2022 16:12

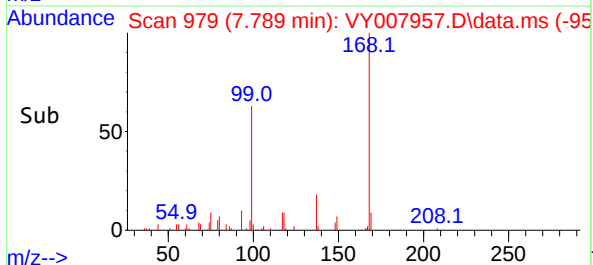
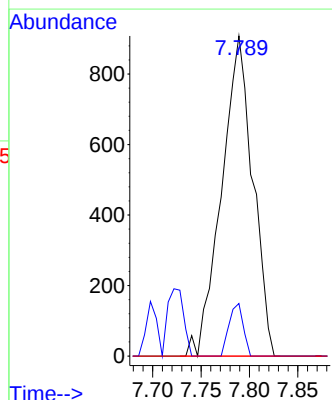
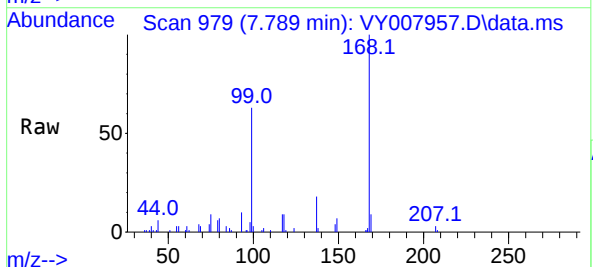
Instrument :
MSVOA_Y
ClientSampleId :
C-4-3-4

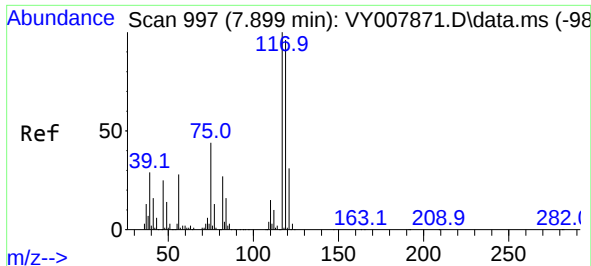
Tgt Ion:113 Resp: 12304
Ion Ratio Lower Upper
113 100
111 100.1 82.6 124.0
192 15.9 17.6 26.4#



#36
1,1-Dichloropropene
Concen: 4.881 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY007957.D
Acq: 21 Mar 2022 16:12

Tgt Ion: 75 Resp: 2035
Ion Ratio Lower Upper
75 100
110 7.4 17.1 51.2#
77 0.0 24.4 36.6#

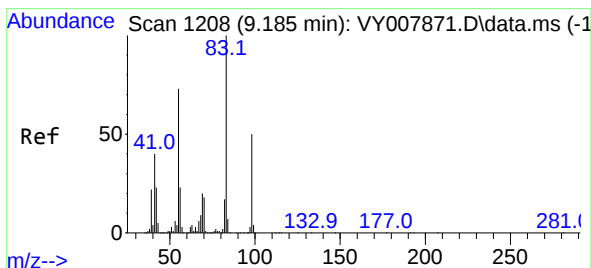
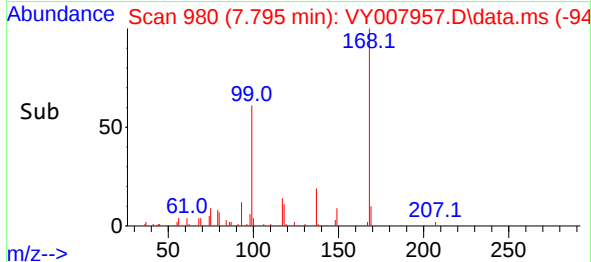
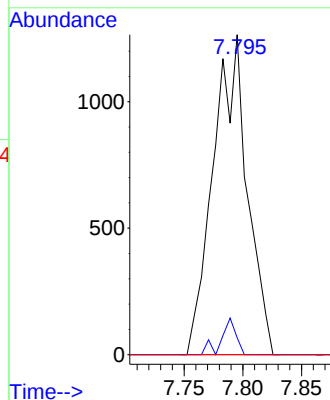
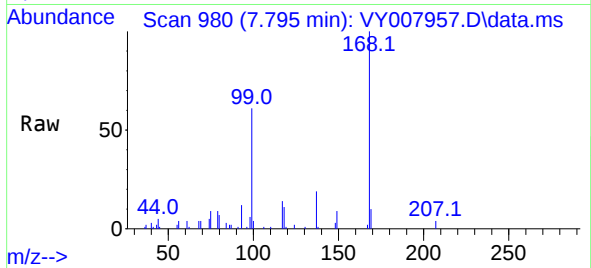




#38
Carbon Tetrachloride
Concen: 5.724 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY007957.D
Acq: 21 Mar 2022 16:12

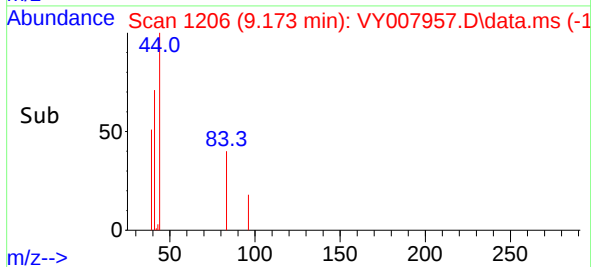
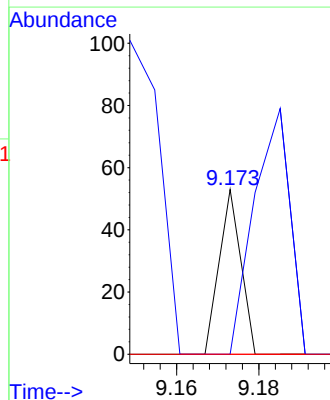
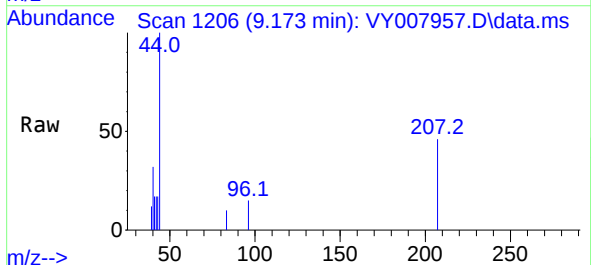
Instrument :
MSVOA_Y
ClientSampleId :
C-4-3-4

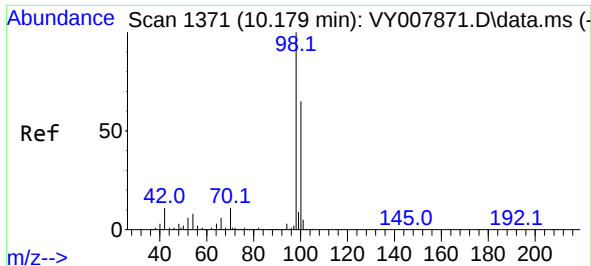
Tgt Ion:117 Resp: 2550
Ion Ratio Lower Upper
117 100
119 5.3 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: Below Cal
RT: 9.173 min Scan# 1206
Delta R.T. -0.012 min
Lab File: VY007957.D
Acq: 21 Mar 2022 16:12

Tgt Ion: 83 Resp: 19
Ion Ratio Lower Upper
83 100
55 0.0 66.5 99.7#
98 0.0 37.9 56.9#

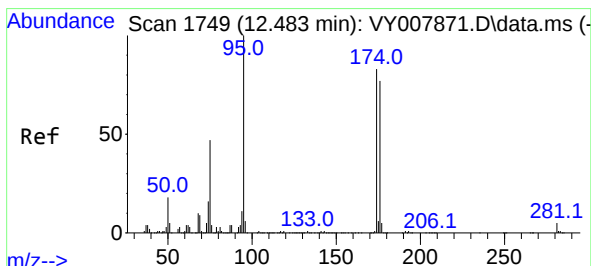
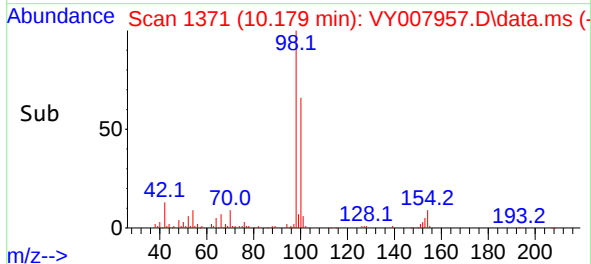
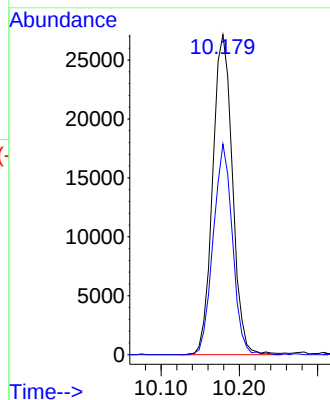
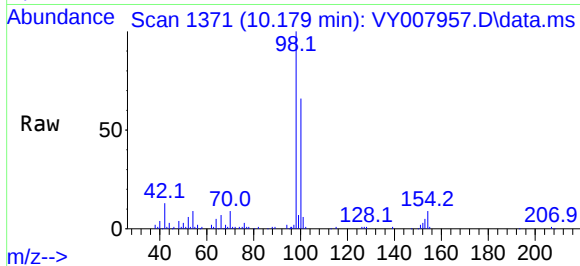




#50
Toluene-d8
Concen: 56.923 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY007957.D
Acq: 21 Mar 2022 16:12

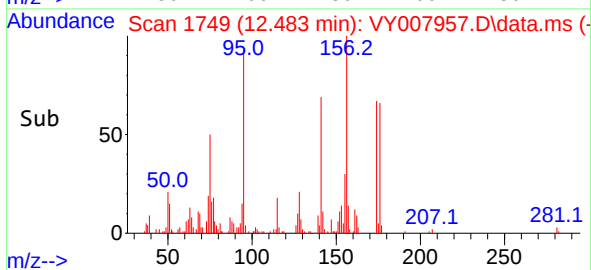
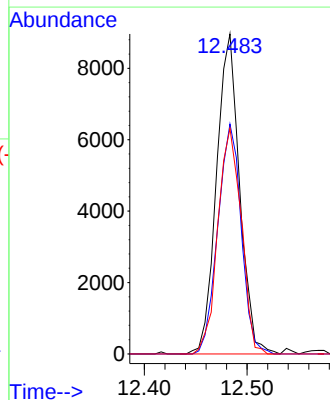
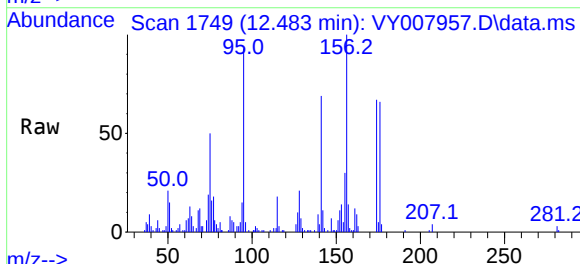
Instrument :
MSVOA_Y
ClientSampleId :
C-4-3-4

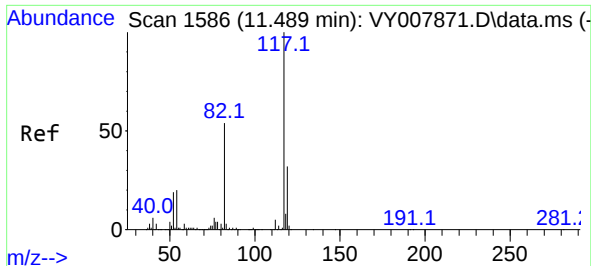
Tgt Ion: 98 Resp: 47622
Ion Ratio Lower Upper
98 100
100 63.9 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 34.654 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY007957.D
Acq: 21 Mar 2022 16:12

Tgt Ion: 95 Resp: 13981
Ion Ratio Lower Upper
95 100
174 72.6 0.0 177.0
176 71.4 0.0 175.8

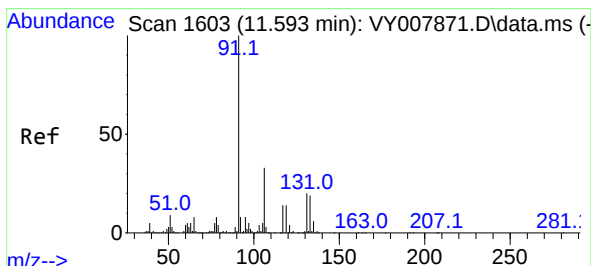
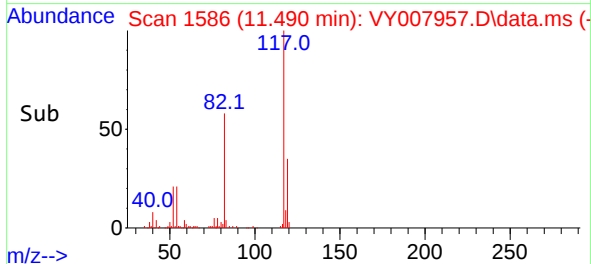
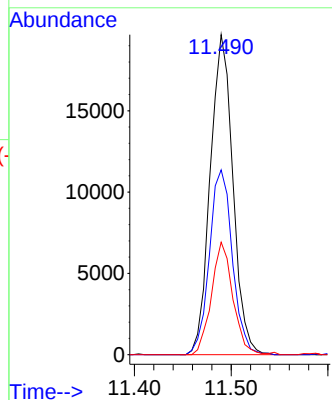
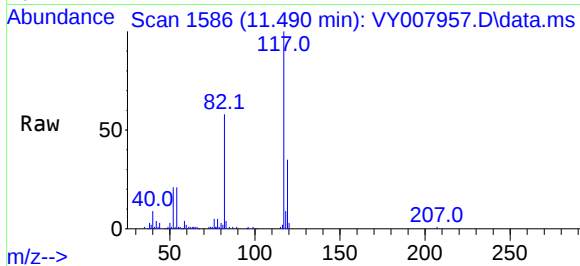




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY007957.D
Acq: 21 Mar 2022 16:12

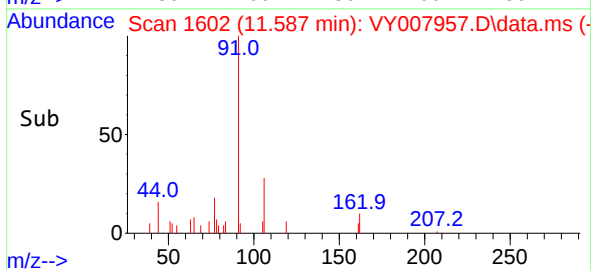
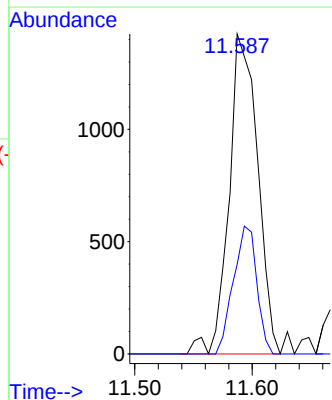
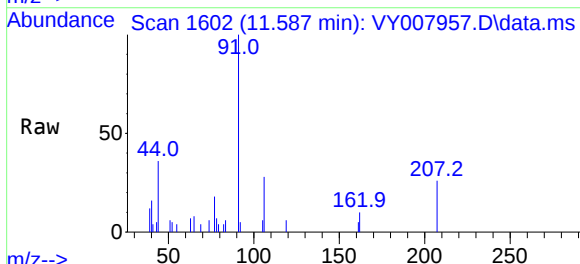
Instrument :
MSVOA_Y
ClientSampleId :
C-4-3-4

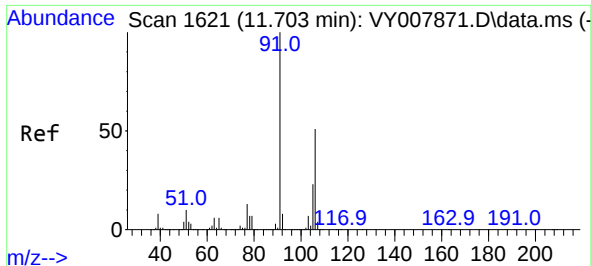
Tgt Ion:	117	Resp:	31963
Ion	Ratio	Lower	Upper
117	100		
82	57.7	43.0	64.4
119	35.1	25.4	38.0



#67
Ethyl Benzene
Concen: 1.766 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. -0.006 min
Lab File: VY007957.D
Acq: 21 Mar 2022 16:12

Tgt Ion:	91	Resp:	2409
Ion	Ratio	Lower	Upper
91	100		
106	28.0	24.5	36.7

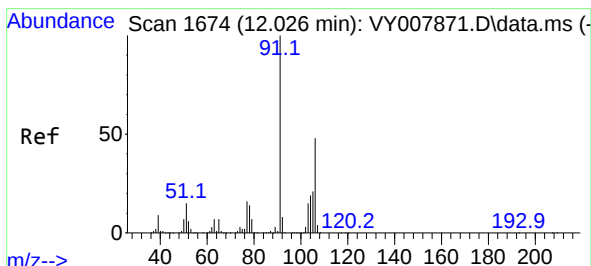
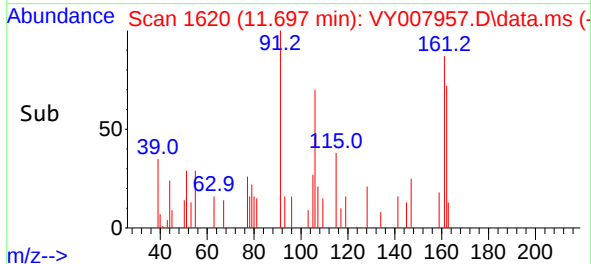
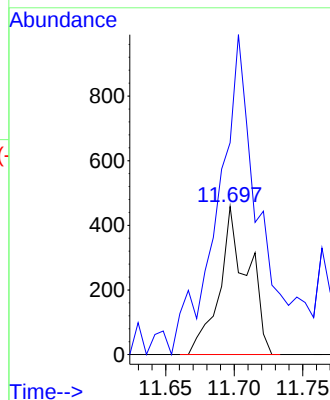
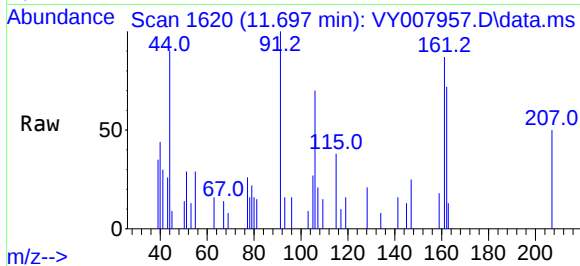




#68
m/p-Xylenes
Concen: 1.246 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY007957.D
Acq: 21 Mar 2022 16:12

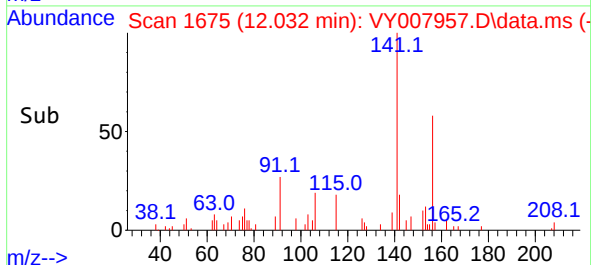
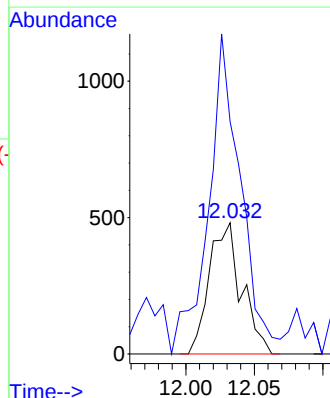
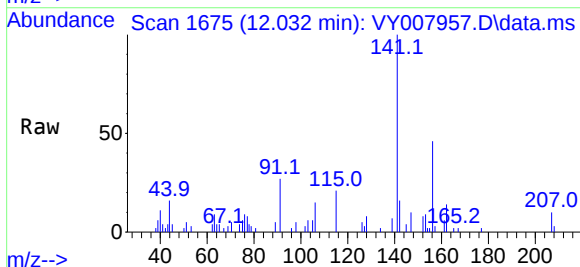
Instrument :
MSVOA_Y
ClientSampleId :
C-4-3-4

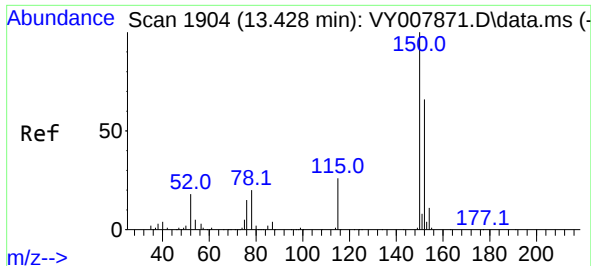
Tgt Ion:106 Resp: 663
Ion Ratio Lower Upper
106 100
91 273.2 166.6 249.8#



#69
o-Xylene
Concen: 1.531 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY007957.D
Acq: 21 Mar 2022 16:12

Tgt Ion:106 Resp: 788
Ion Ratio Lower Upper
106 100
91 241.5 110.3 331.0

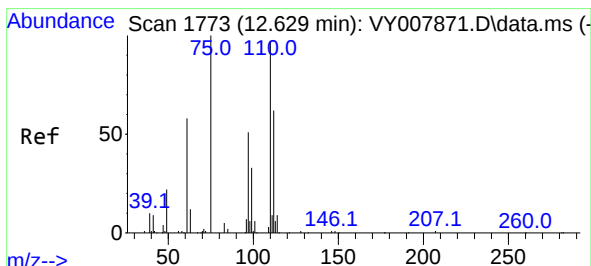
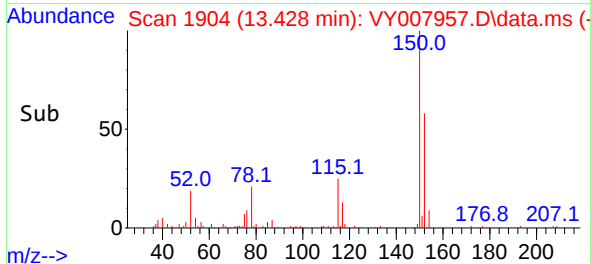
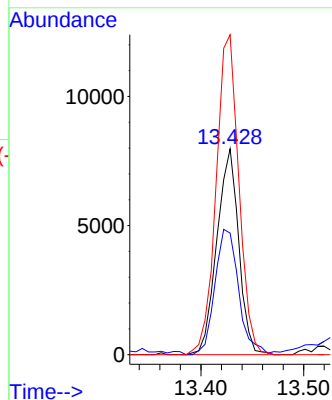
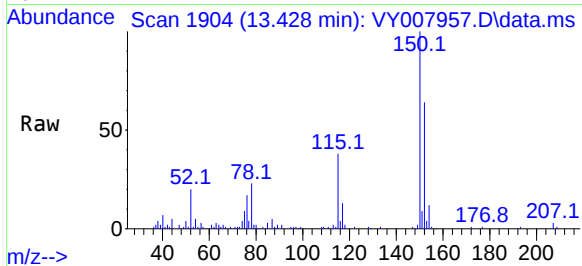




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY007957.D
Acq: 21 Mar 2022 16:12

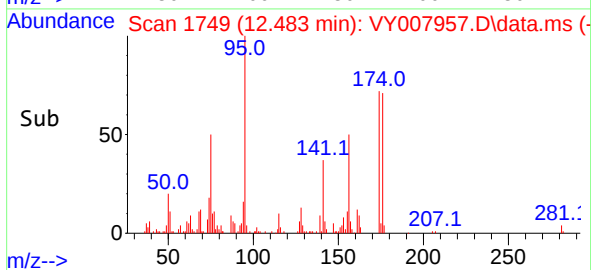
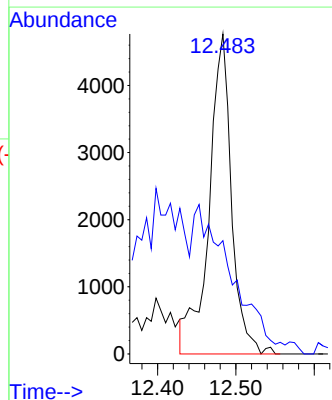
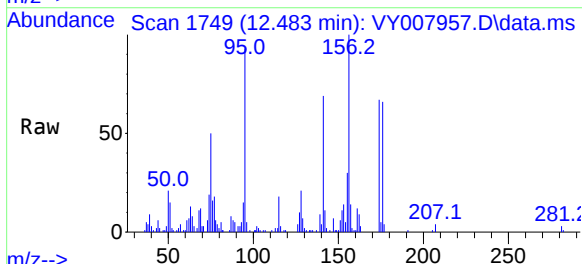
Instrument :
MSVOA_Y
ClientSampleId :
C-4-3-4

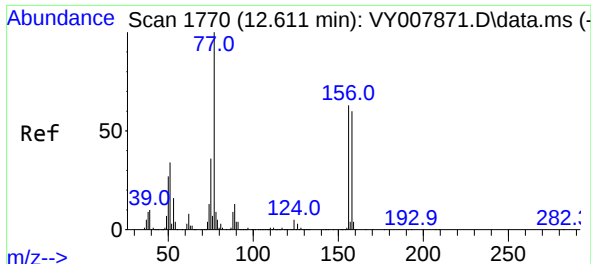
Tgt Ion:152 Resp: 11747
Ion Ratio Lower Upper
152 100
115 66.8 28.2 84.7
150 161.8 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 56.637 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY007957.D
Acq: 21 Mar 2022 16:12

Tgt Ion: 75 Resp: 9483
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

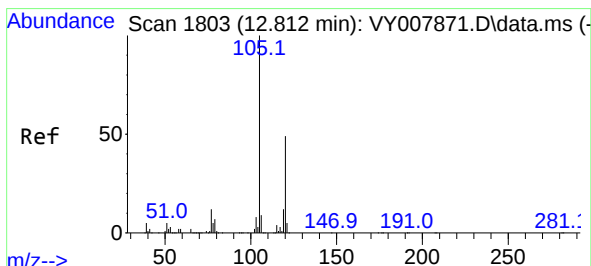
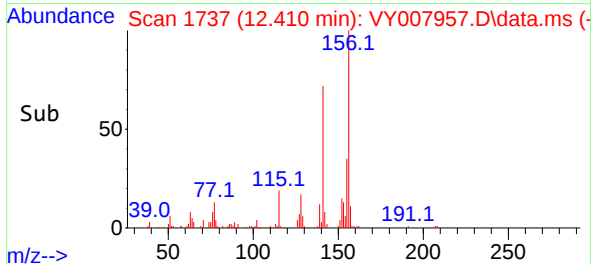
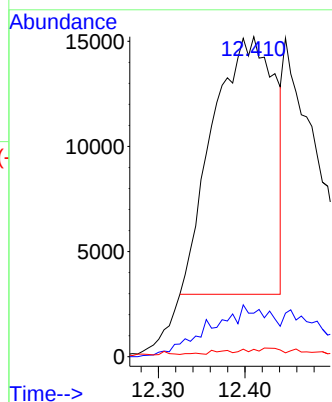
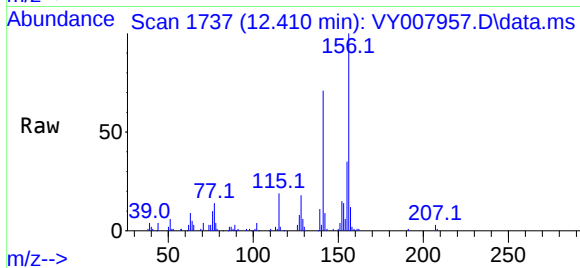




#77
Bromobenzene
Concen: 257.256 ug/l
RT: 12.410 min Scan# 11
Delta R.T. -0.201 min
Lab File: VY007957.D
Acq: 21 Mar 2022 16:12

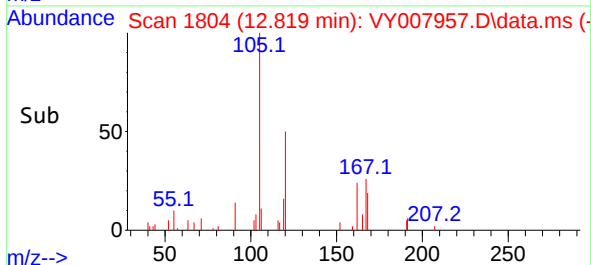
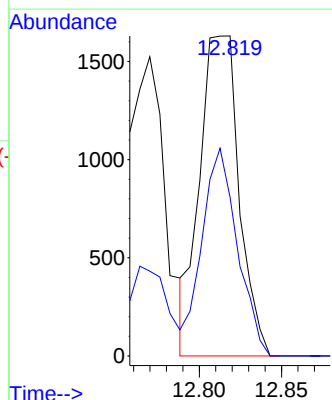
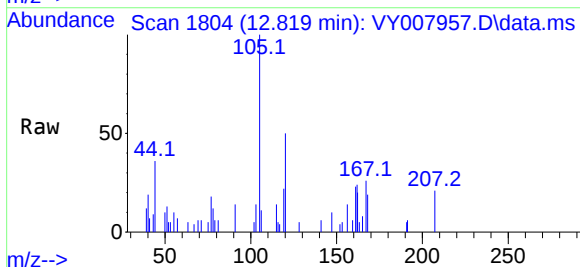
Instrument :
MSVOA_Y
ClientSampleId :
C-4-3-4

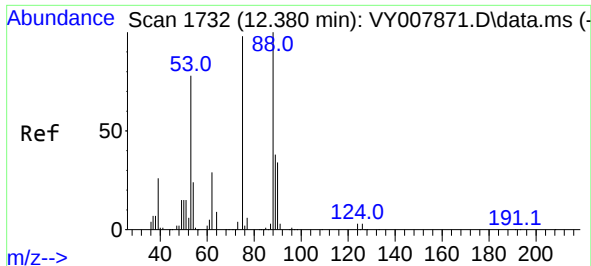
Tgt Ion:156 Resp: 60785
Ion Ratio Lower Upper
156 100
77 0.0 95.5 286.4#
158 0.9 48.0 144.0#



#80
1,3,5-Trimethylbenzene
Concen: 3.202 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. 0.006 min
Lab File: VY007957.D
Acq: 21 Mar 2022 16:12

Tgt Ion:105 Resp: 2723
Ion Ratio Lower Upper
105 100
120 58.2 24.4 73.4

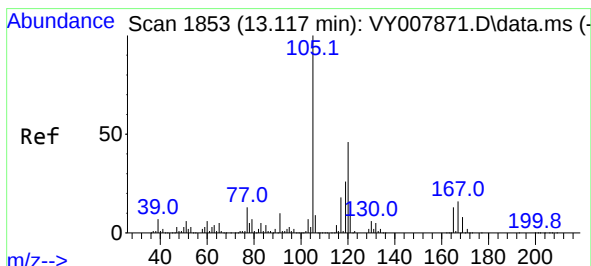
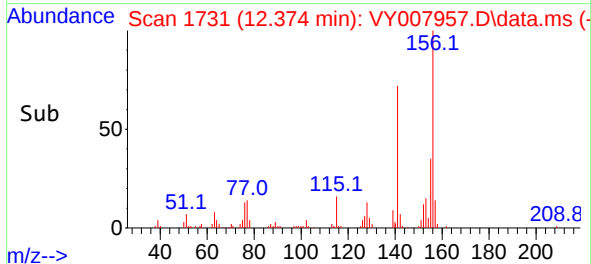
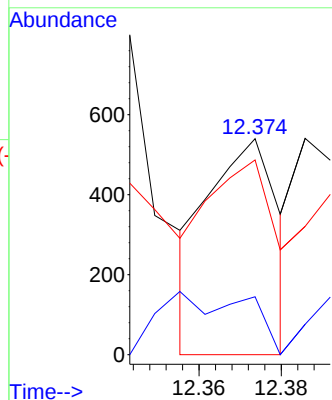
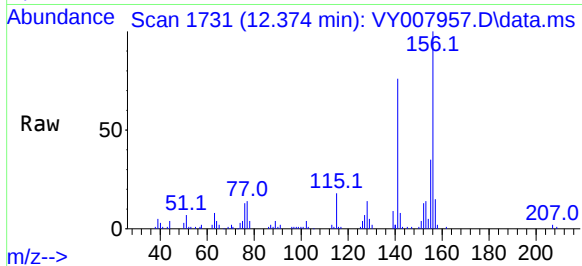




#81
trans-1,4-Dichloro-2-butene
Concen: 8.029 ug/l
RT: 12.374 min Scan# 1731
Delta R.T. -0.006 min
Lab File: VY007957.D
Acq: 21 Mar 2022 16:12

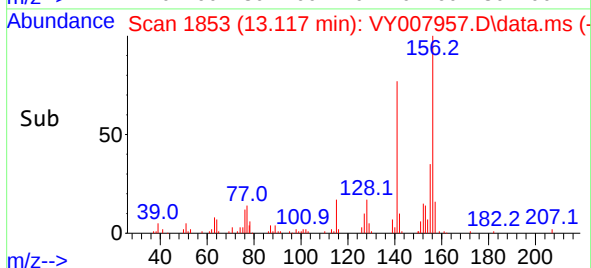
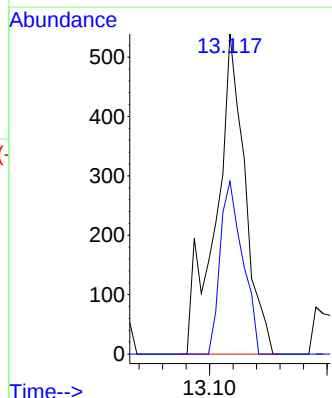
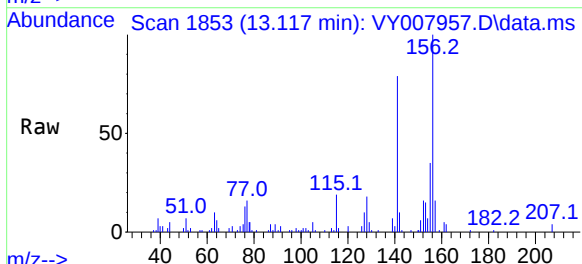
Instrument :
MSVOA_Y
ClientSampleId :
C-4-3-4

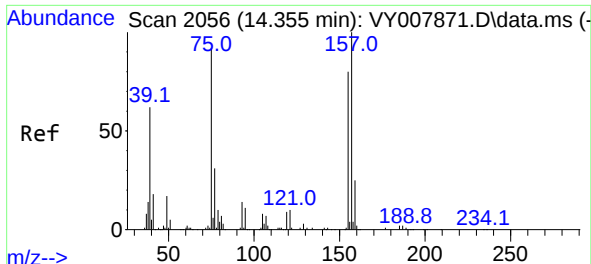
Tgt Ion: 75 Resp: 640
Ion Ratio Lower Upper
75 100
53 36.3 85.3 127.9#
89 48.6 37.0 55.4



#84
1,2,4-Trimethylbenzene
Concen: 1.110 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY007957.D
Acq: 21 Mar 2022 16:12

Tgt Ion: 105 Resp: 925
Ion Ratio Lower Upper
105 100
120 41.8 22.3 66.9





#92

1,2-Dibromo-3-Chloropropane

Concen: 65.159 ug/l

RT: 14.282 min Scan# 2056

Delta R.T. -0.073 min

Lab File: VY007957.D

Acq: 21 Mar 2022 16:12

Instrument :

MSVOA_Y

ClientSampleId :

C-4-3-4

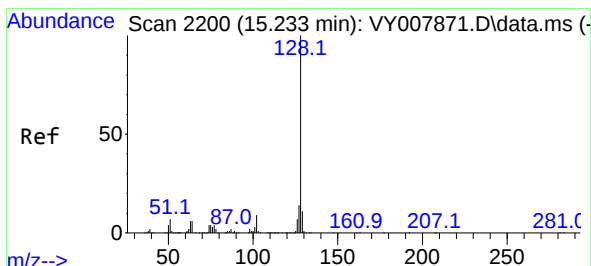
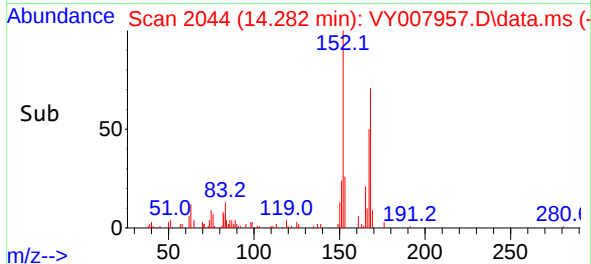
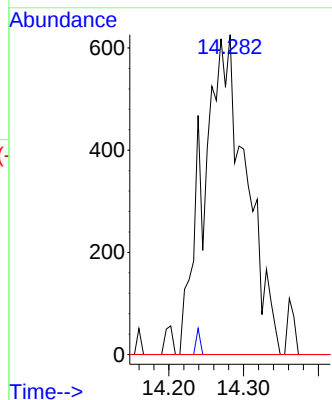
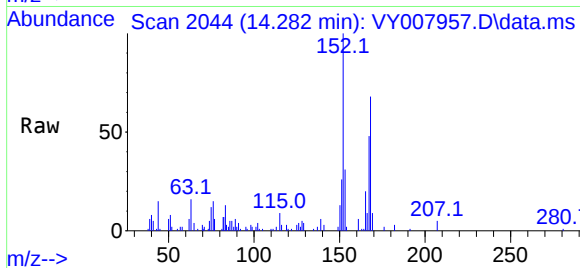
Tgt Ion: 75 Resp: 2495

Ion Ratio Lower Upper

75 100

155 0.0 38.0 113.9#

157 0.0 47.8 143.3#



#95

Naphthalene

Concen: 7.579 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. -0.006 min

Lab File: VY007957.D

Acq: 21 Mar 2022 16:12

Tgt Ion: 128 Resp: 4437

Ion Ratio Lower Upper

128 100

127 22.5 11.0 16.4#

129 10.5 8.4 12.6

