

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031822\
 Data File : VY007922.D
 Acq On : 19 Mar 2022 00:29
 Operator : SY/MD
 Sample : N1958-02
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C-2-1-2

Quant Time: Mar 19 01:41:14 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)

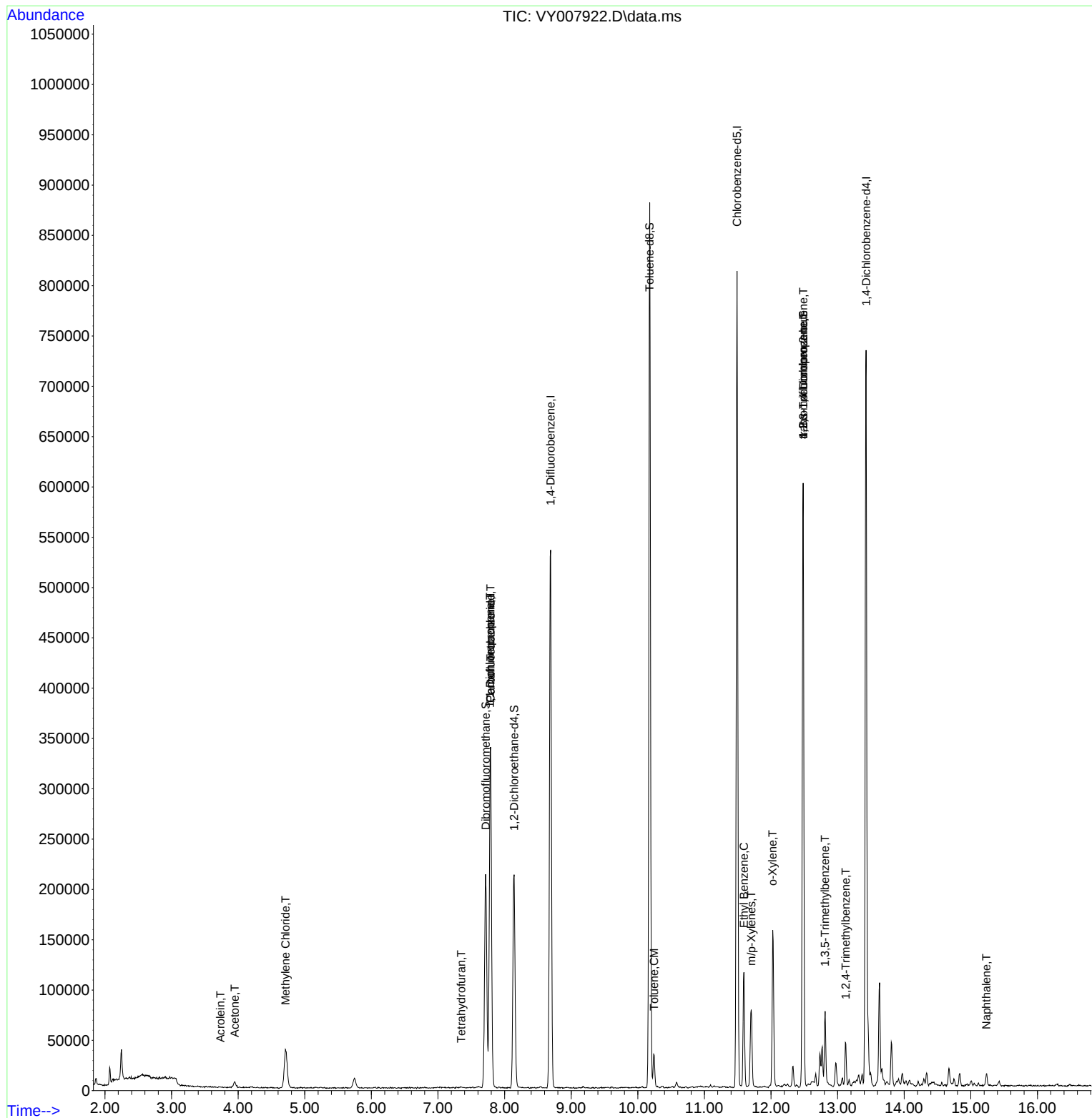
Internal Standards						
1) Pentafluorobenzene	7.789	168	257724	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	473535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	431848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	180300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	160938	54.768	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.540%			
35) Dibromofluoromethane	7.715	113	152403	45.827	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 91.660%			
50) Toluene-d8	10.178	98	574125	58.130	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 116.260%			
62) 4-Bromofluorobenzene	12.483	95	201967	42.316	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 84.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.899	85	110	Below Cal	#	43
3) Chloromethane	2.113	50	1062	Below Cal	#	87
4) Vinyl Chloride	2.259	62	433	Below Cal	#	43
5) Bromomethane	2.662	94	839	Below Cal	#	53
13) Acrolein	3.734	56	248	1.203	ug/l #	10
16) Acetone	3.948	43	8934	11.460	ug/l	91
17) Carbon Disulfide	4.192	76	1296	Below Cal	#	75
18) Methyl Acetate	4.478	43	835	Below Cal	#	67
20) Methylene Chloride	4.710	84	29657	5.714	ug/l	89
29) Tetrahydrofuran	7.350	42	1170	1.462	ug/l #	62
31) Cyclohexane	7.783	56	6077	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	21187	4.295	ug/l #	51
38) Carbon Tetrachloride	7.789	117	26622	5.051	ug/l #	16
39) Methylcyclohexane	9.179	83	492	Below Cal	#	82
52) Toluene	10.246	92	13345	1.442	ug/l	95
67) Ethyl Benzene	11.593	91	77198	4.189	ug/l	97
68) m/p-Xylenes	11.703	106	25154	3.499	ug/l	95
69) o-Xylene	12.026	106	41384	5.952	ug/l	92
76) 1,2,3-Trichloropropane	12.483	75	102534	39.898	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	35711	2.736	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.483	75	102534	83.803	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.123	105	22997	1.798	ug/l	96
95) Naphthalene	15.232	128	9474	1.054	ug/l #	96

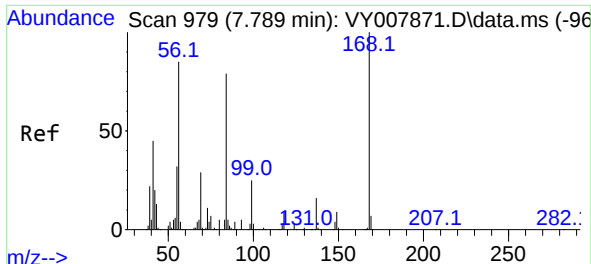
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 17 13:55:34 2022
Response via : Initial Calibration

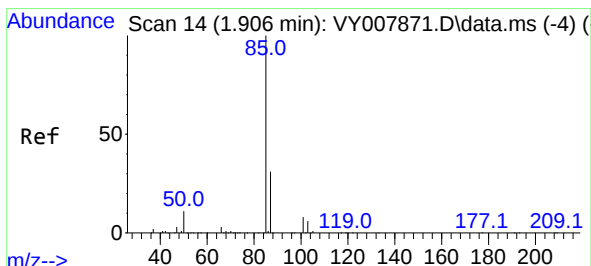
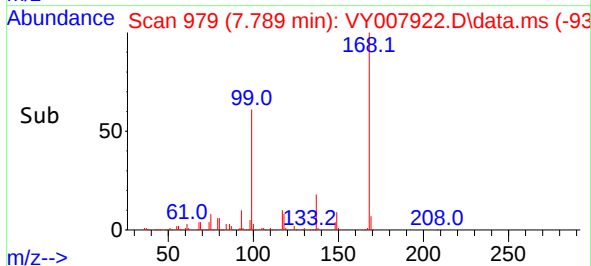
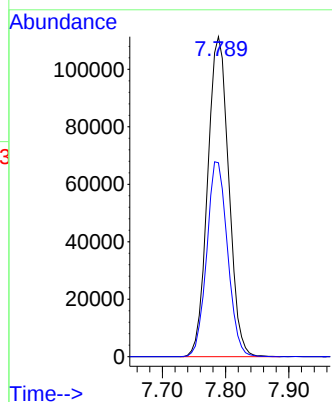
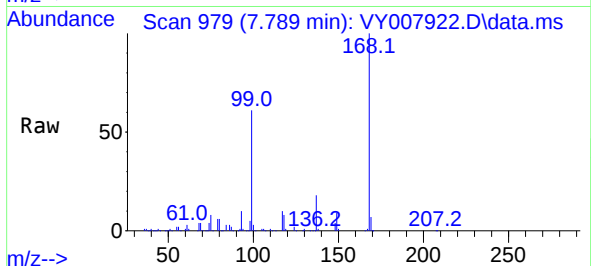




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007922.D
Acq: 19 Mar 2022 00:29

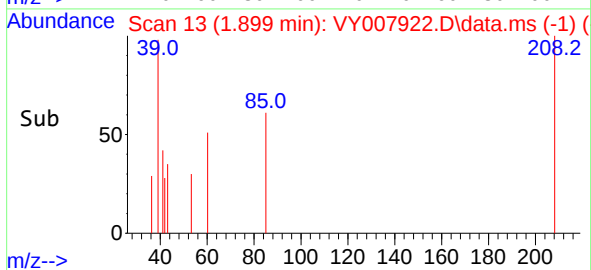
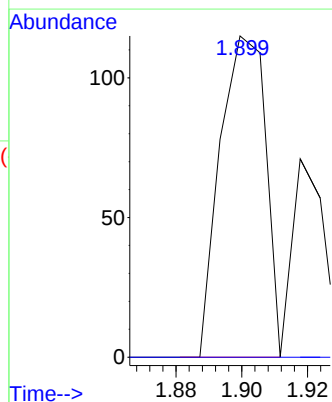
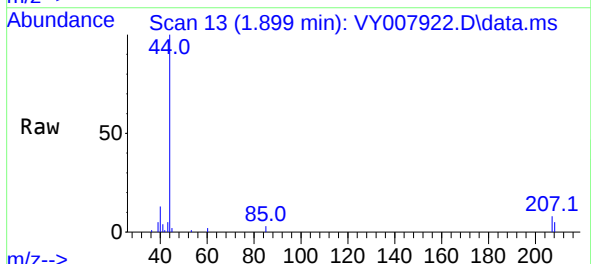
Instrument :
MSVOA_Y
ClientSampleId :
C-2-1-2

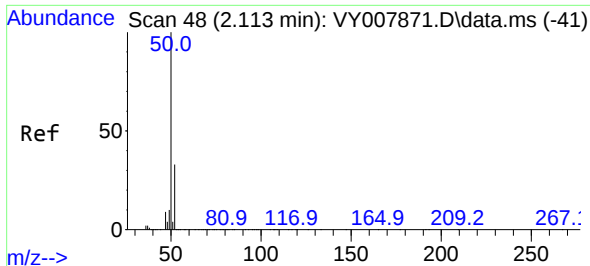
Tgt Ion:168 Resp: 257724
Ion Ratio Lower Upper
168 100
99 60.6 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.899 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY007922.D
Acq: 19 Mar 2022 00:29

Tgt Ion: 85 Resp: 110
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

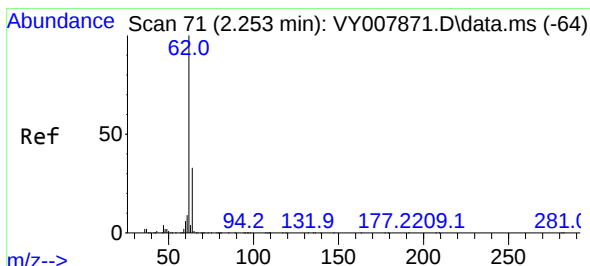
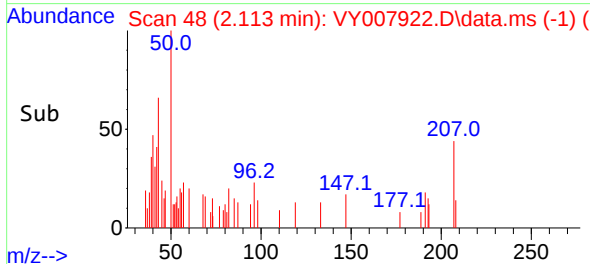
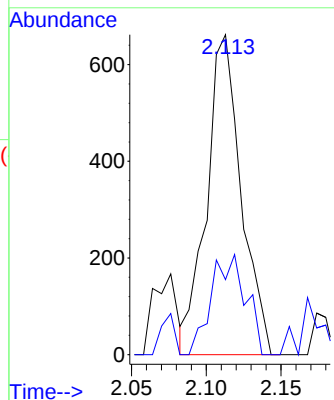
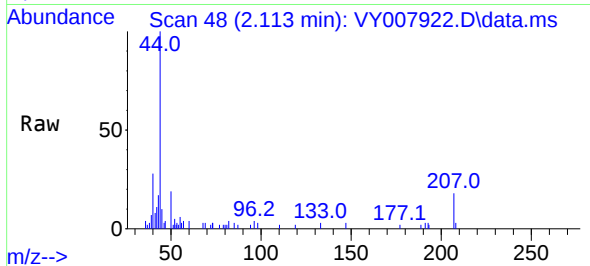




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY007922.D
Acq: 19 Mar 2022 00:29

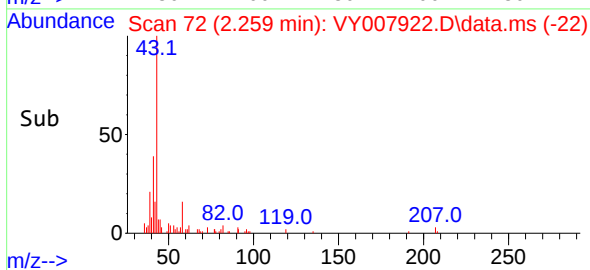
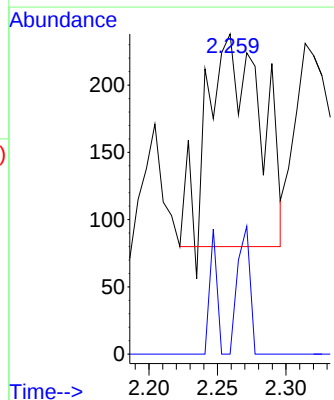
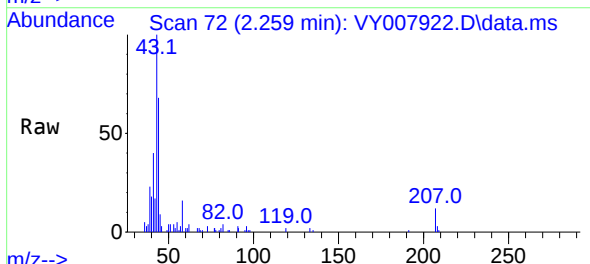
Instrument :
MSVOA_Y
ClientSampleId :
C-2-1-2

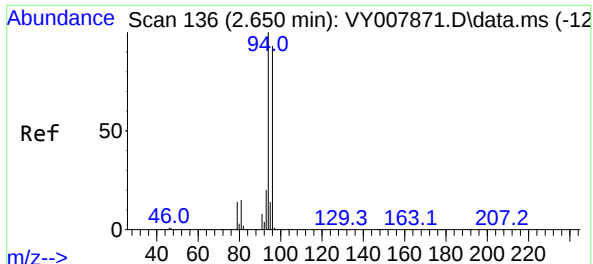
Tgt Ion: 50 Resp: 1062
Ion Ratio Lower Upper
50 100
52 23.4 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.259 min Scan# 72
Delta R.T. 0.006 min
Lab File: VY007922.D
Acq: 19 Mar 2022 00:29

Tgt Ion: 62 Resp: 433
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

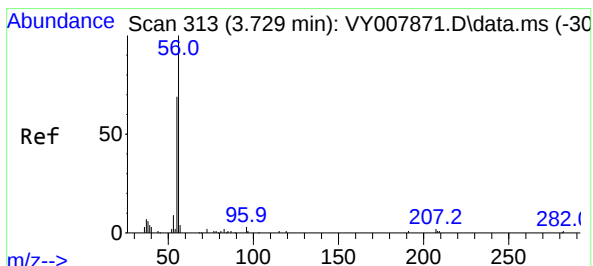
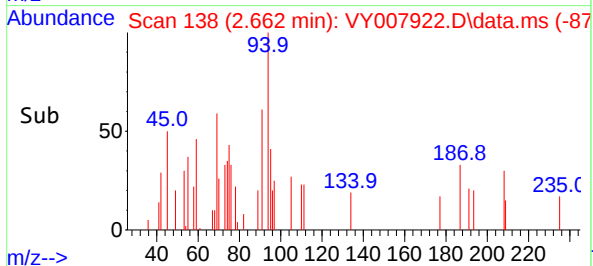
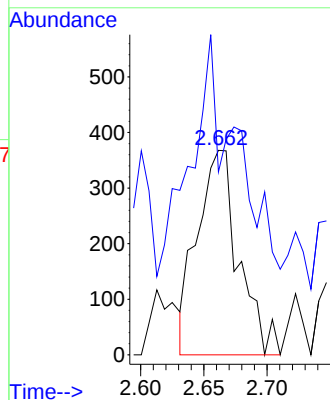
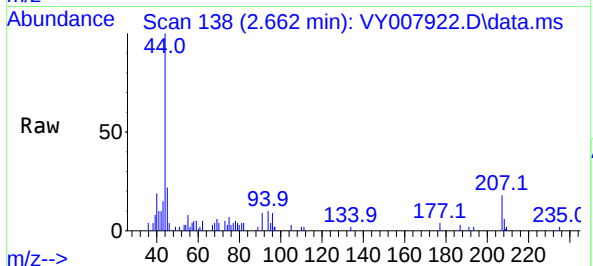




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY007922.D
Acq: 19 Mar 2022 00:29

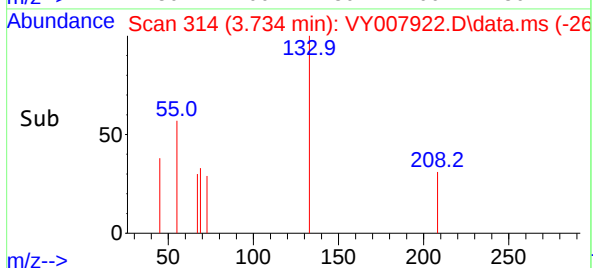
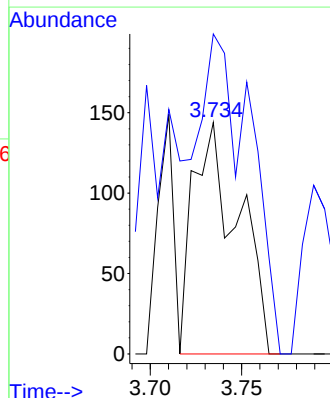
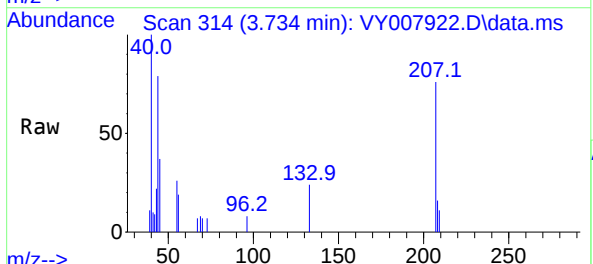
Instrument :
MSVOA_Y
ClientSampleId :
C-2-1-2

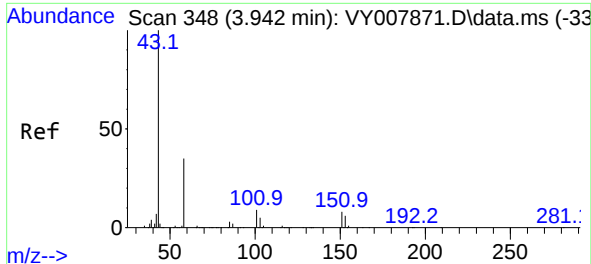
Tgt Ion: 94 Resp: 839
Ion Ratio Lower Upper
94 100
96 47.6 73.5 110.3#



#13
Acrolein
Concen: 1.203 ug/l
RT: 3.734 min Scan# 314
Delta R.T. 0.006 min
Lab File: VY007922.D
Acq: 19 Mar 2022 00:29

Tgt Ion: 56 Resp: 248
Ion Ratio Lower Upper
56 100
55 147.2 57.6 86.4#





#16

Acetone

Concen: 11.460 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY007922.D

Acq: 19 Mar 2022 00:29

Instrument :

MSVOA_Y

ClientSampleId :

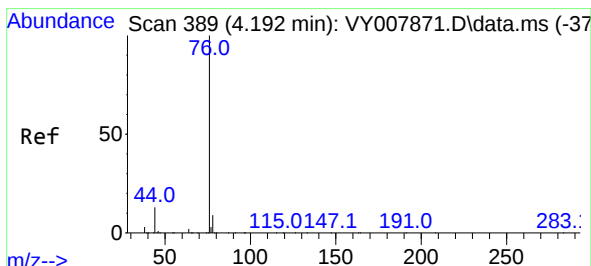
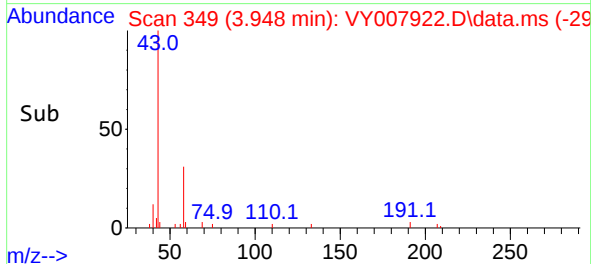
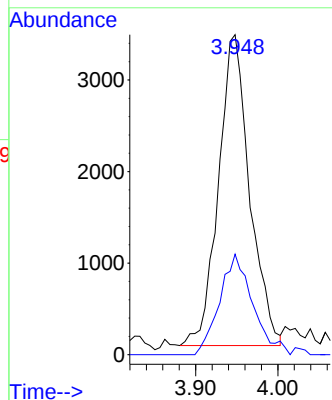
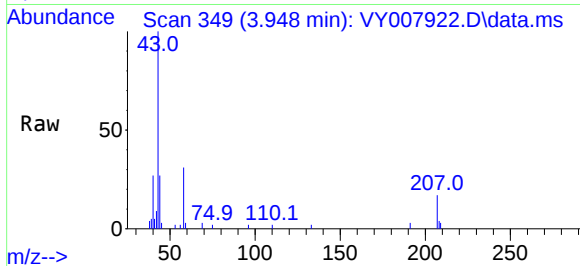
C-2-1-2

Tgt Ion: 43 Resp: 8934

Ion Ratio Lower Upper

43 100

58 32.3 22.0 33.0



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.192 min Scan# 389

Delta R.T. -0.000 min

Lab File: VY007922.D

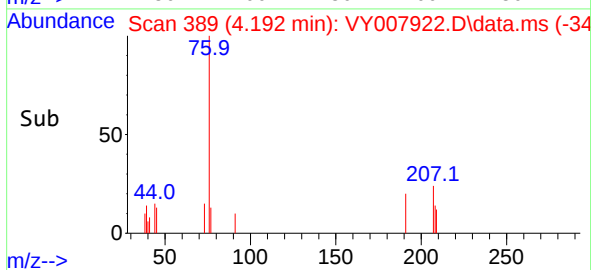
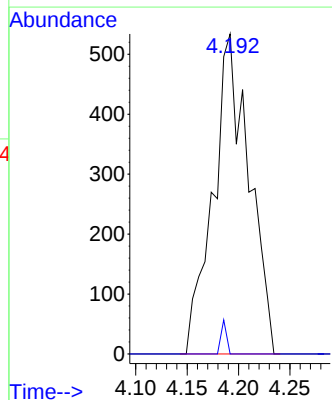
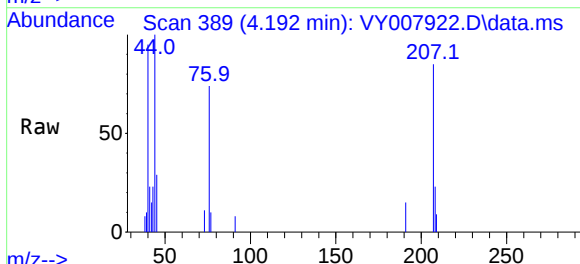
Acq: 19 Mar 2022 00:29

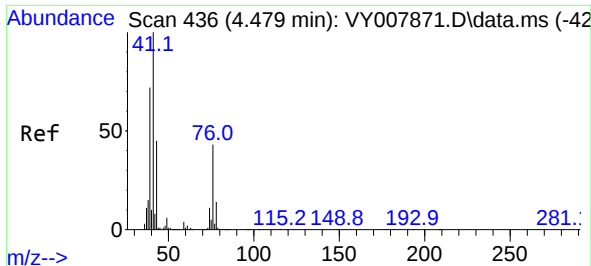
Tgt Ion: 76 Resp: 1296

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#

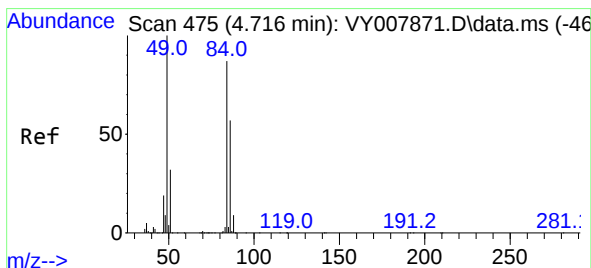
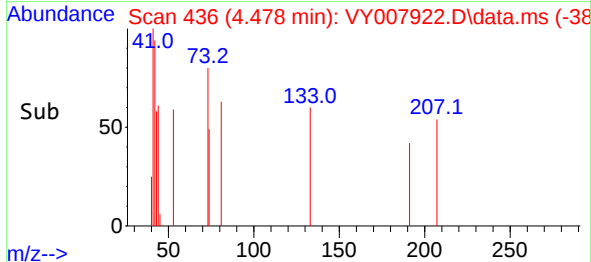
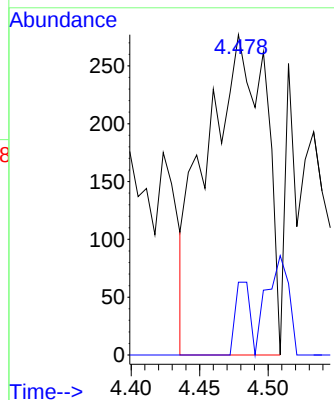
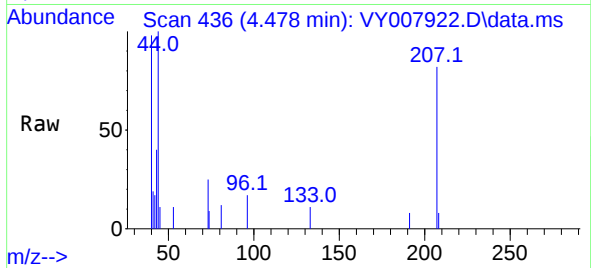




#18
Methyl Acetate
Concen: Below Cal
RT: 4.478 min Scan# 41
Delta R.T. 0.005 min
Lab File: VY007922.D
Acq: 19 Mar 2022 00:29

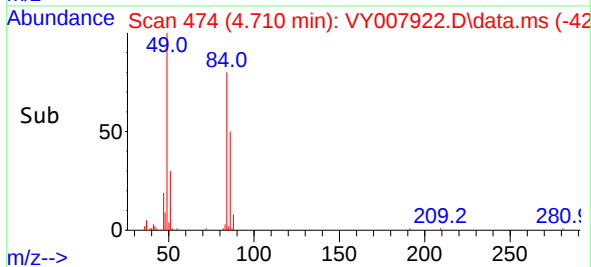
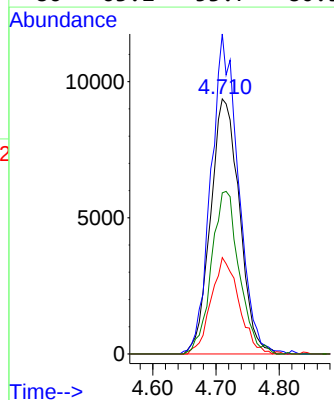
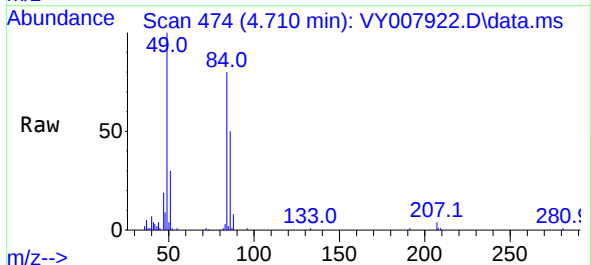
Instrument :
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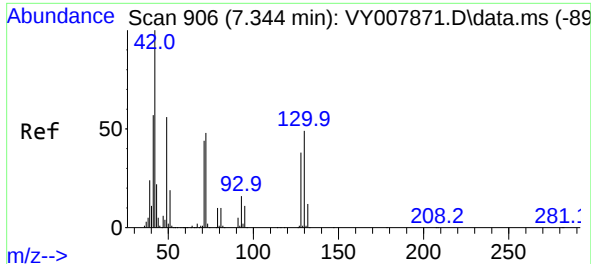
Tgt Ion: 43 Resp: 835
Ion Ratio Lower Upper
43 100
74 5.5 16.6 24.8#



#20
Methylene Chloride
Concen: 5.714 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY007922.D
Acq: 19 Mar 2022 00:29

Tgt Ion: 84 Resp: 29657
Ion Ratio Lower Upper
84 100
49 125.5 114.4 171.6
51 37.8 35.3 52.9
86 63.2 53.7 80.5





#29

Tetrahydrofuran

Concen: 1.462 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY007922.D

Acq: 19 Mar 2022 00:29

Instrument :

MSVOA_Y

ClientSampleId :

C-2-1-2

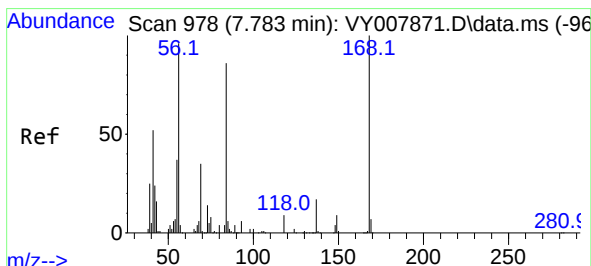
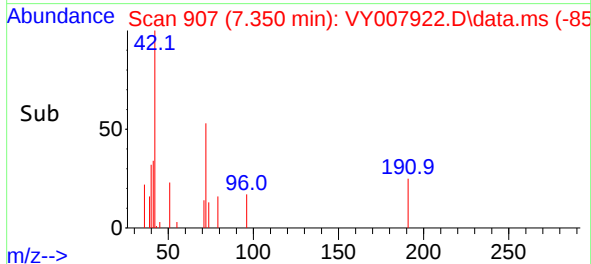
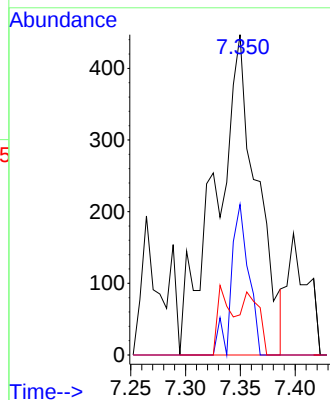
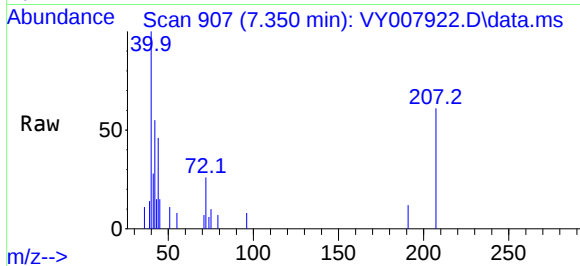
Tgt Ion: 42 Resp: 1170

Ion Ratio Lower Upper

42 100

72 19.7 30.3 45.5#

71 8.9 29.0 43.4#



#31

Cyclohexane

Concen: Below Cal

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY007922.D

Acq: 19 Mar 2022 00:29

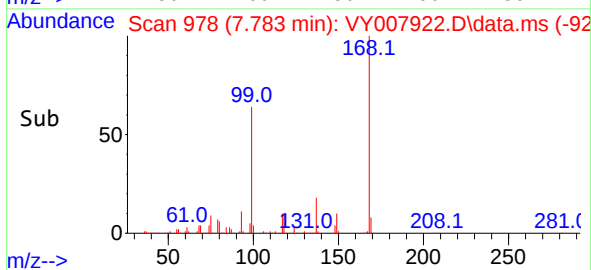
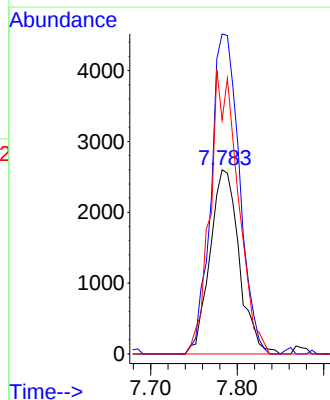
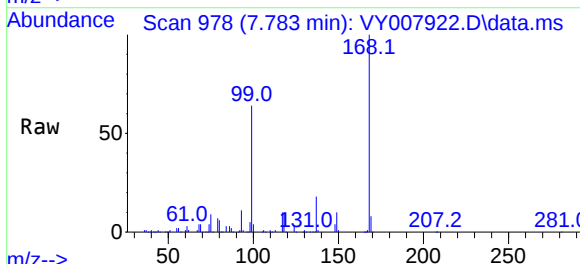
Tgt Ion: 56 Resp: 6077

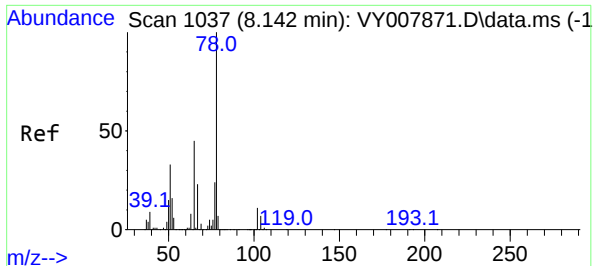
Ion Ratio Lower Upper

56 100

69 173.8 26.7 40.1#

84 127.0 67.2 100.8#

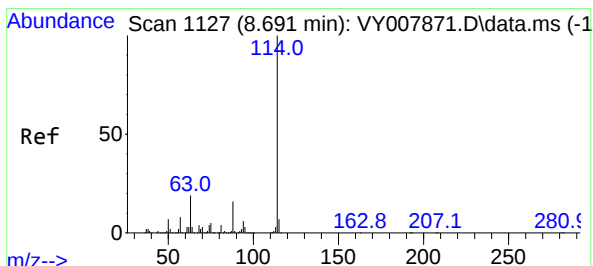
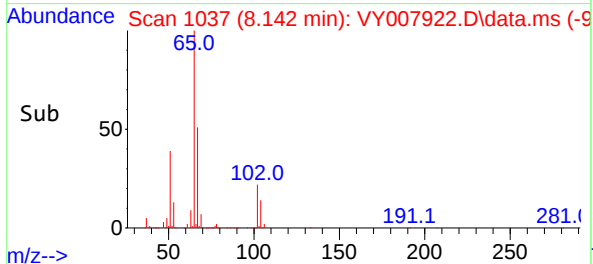
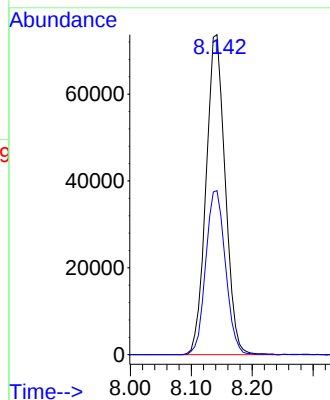
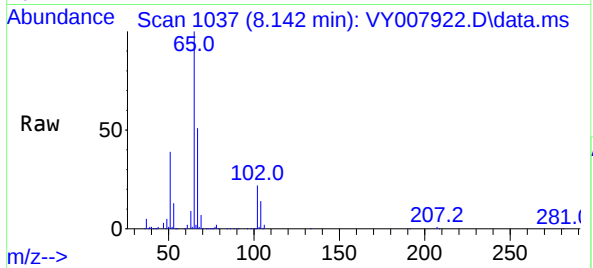




#33
1,2-Dichloroethane-d4
Concen: 54.768 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY007922.D
Acq: 19 Mar 2022 00:29

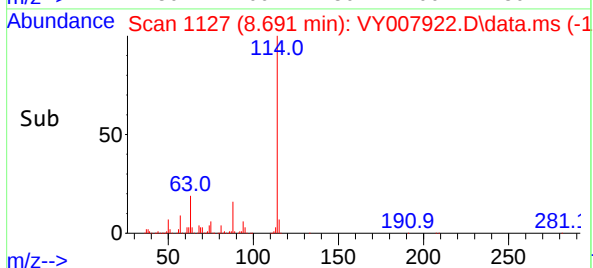
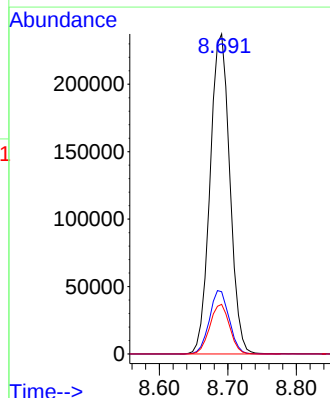
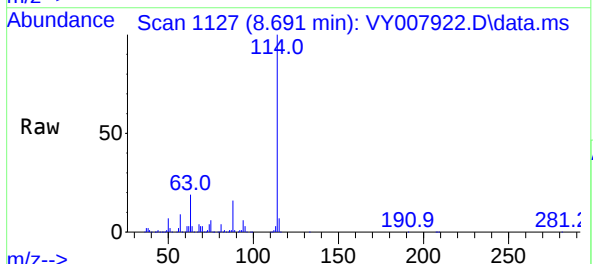
Instrument :
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C-2-1-2

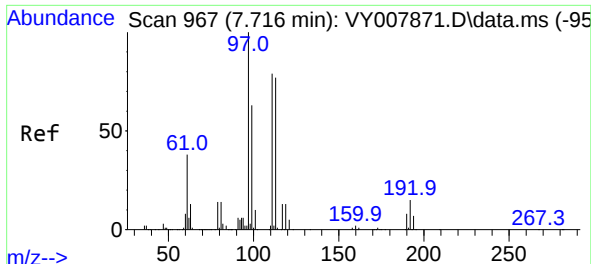
Tgt Ion: 65 Resp: 160938
Ion Ratio Lower Upper
65 100
67 52.9 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY007922.D
Acq: 19 Mar 2022 00:29

Tgt Ion:114 Resp: 473535
Ion Ratio Lower Upper
114 100
63 19.5 0.0 43.2
88 15.5 0.0 31.8

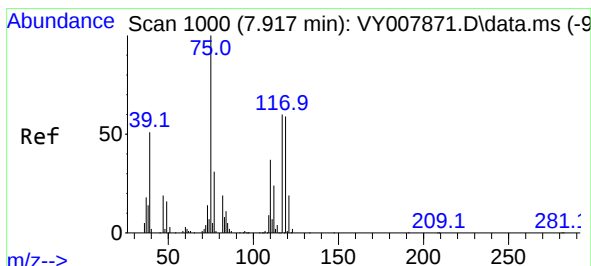
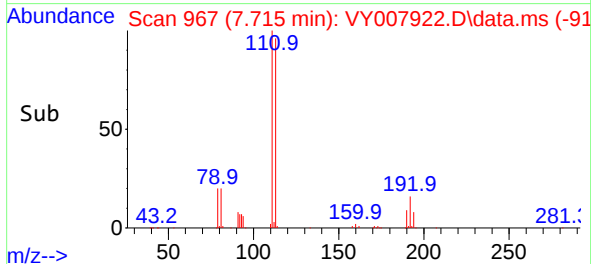
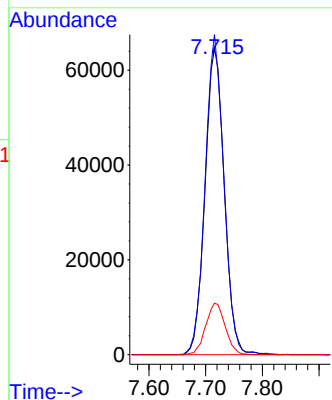
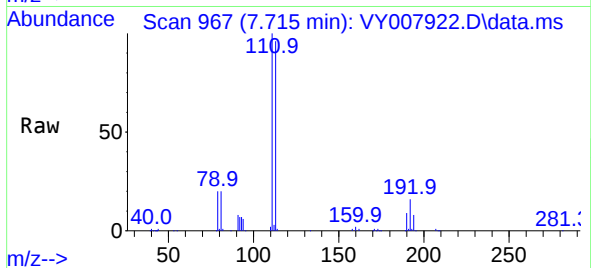




#35
Dibromofluoromethane
Concen: 45.827 ug/l
RT: 7.715 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007922.D
Acq: 19 Mar 2022 00:29

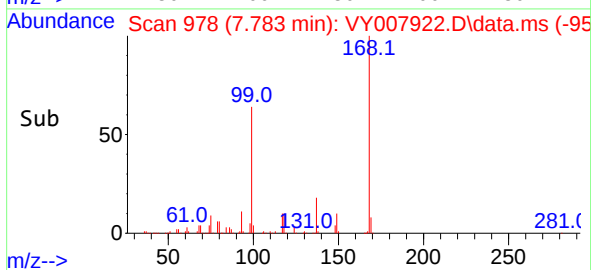
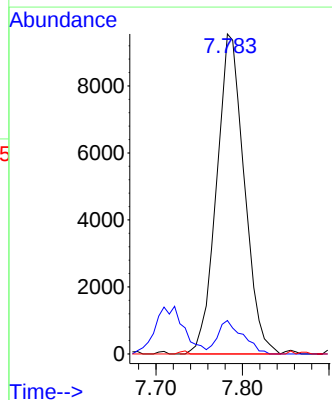
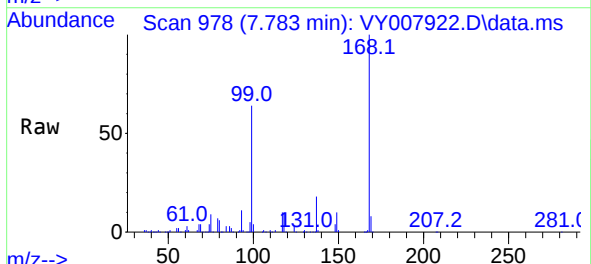
Instrument :
MSVOA_Y
ClientSampleId :
C-2-1-2

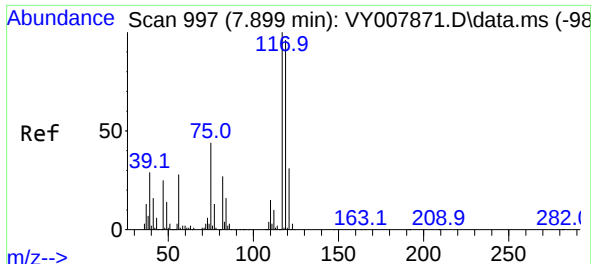
Tgt Ion:113 Resp: 152403
Ion Ratio Lower Upper
113 100
111 102.0 82.6 124.0
192 17.1 17.6 26.4#



#36
1,1-Dichloropropene
Concen: 4.295 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.135 min
Lab File: VY007922.D
Acq: 19 Mar 2022 00:29

Tgt Ion: 75 Resp: 21187
Ion Ratio Lower Upper
75 100
110 9.4 17.1 51.2#
77 0.0 24.4 36.6#

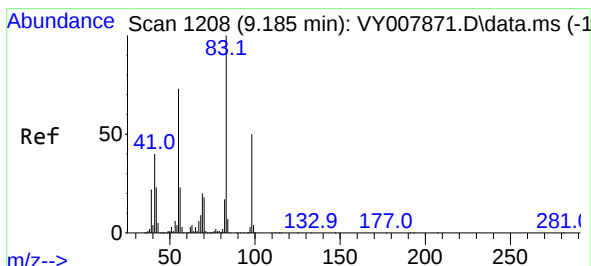
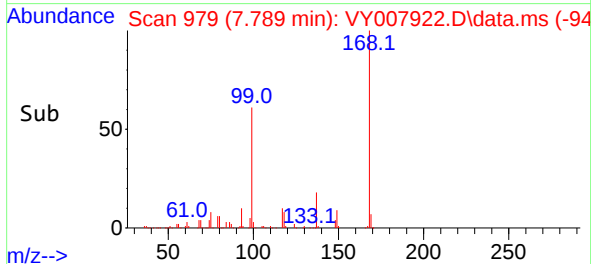
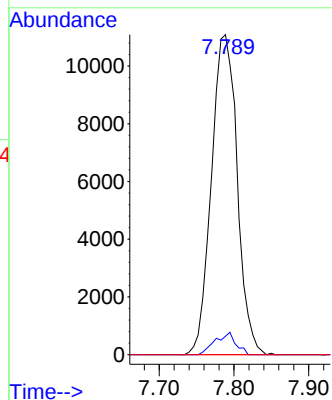
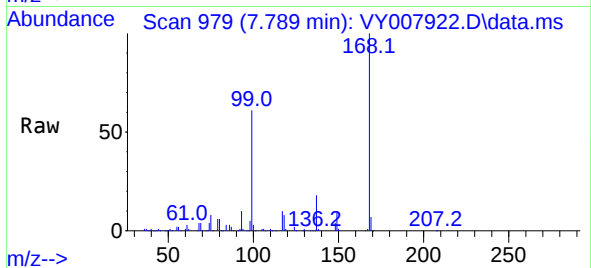




#38
Carbon Tetrachloride
Concen: 5.051 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY007922.D
Acq: 19 Mar 2022 00:29

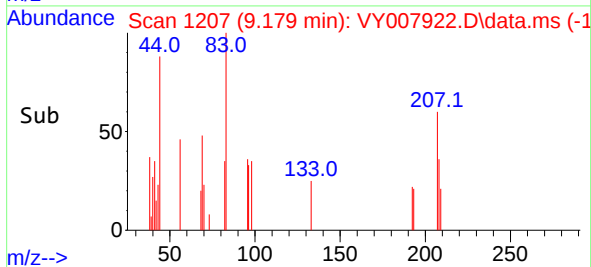
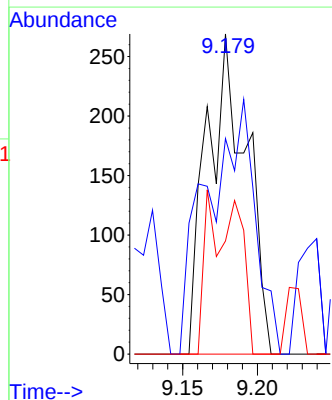
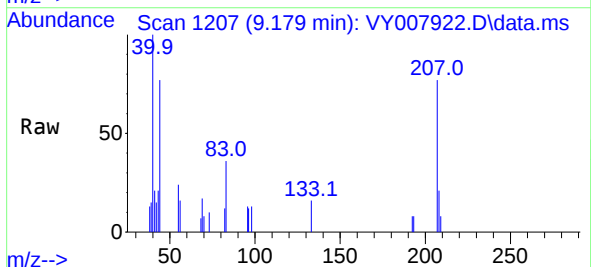
Instrument :
MSVOA_Y
ClientSampleId :
C-2-1-2

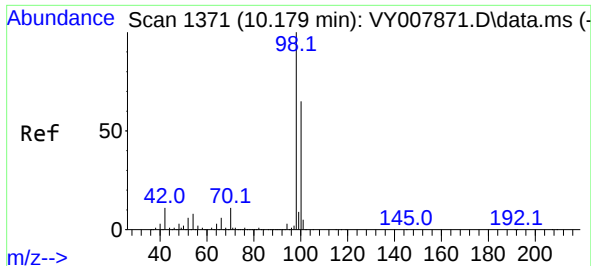
Tgt Ion:117 Resp: 26622
Ion Ratio Lower Upper
117 100
119 5.7 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: Below Cal
RT: 9.179 min Scan# 1207
Delta R.T. -0.006 min
Lab File: VY007922.D
Acq: 19 Mar 2022 00:29

Tgt Ion: 83 Resp: 492
Ion Ratio Lower Upper
83 100
55 67.3 66.5 99.7
98 35.3 37.9 56.9#

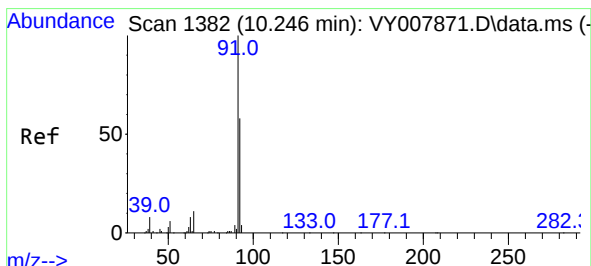
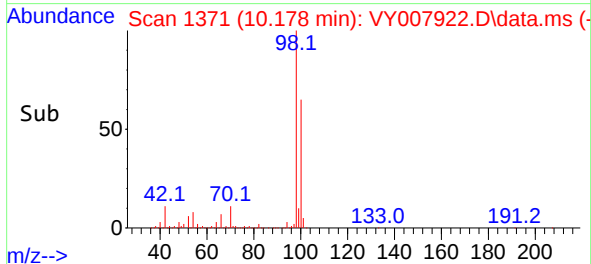
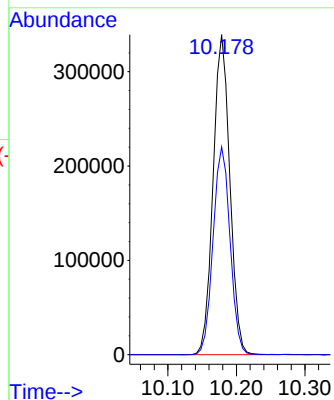
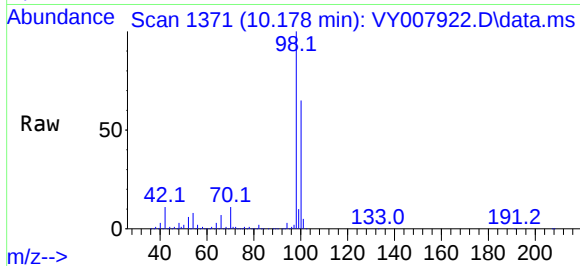




#50
Toluene-d8
Concen: 58.130 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007922.D
Acq: 19 Mar 2022 00:29

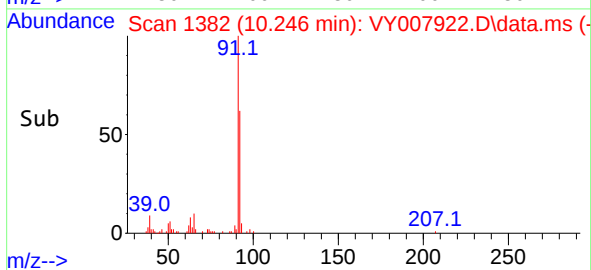
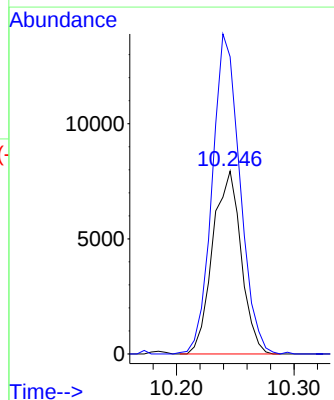
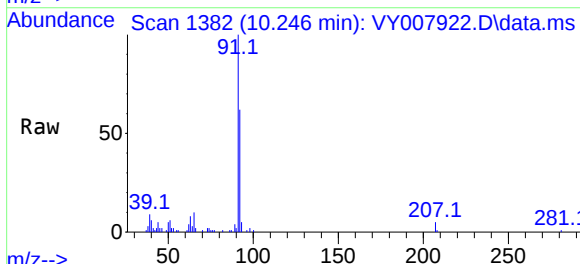
Instrument :
MSVOA_Y
ClientSampleId :
C-2-1-2

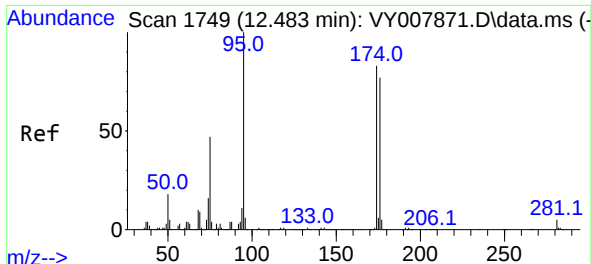
Tgt Ion: 98 Resp: 574125
Ion Ratio Lower Upper
98 100
100 65.8 50.2 75.2



#52
Toluene
Concen: 1.442 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY007922.D
Acq: 19 Mar 2022 00:29

Tgt Ion: 92 Resp: 13345
Ion Ratio Lower Upper
92 100
91 170.9 142.6 213.8

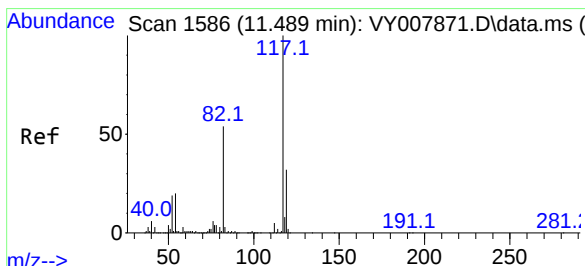
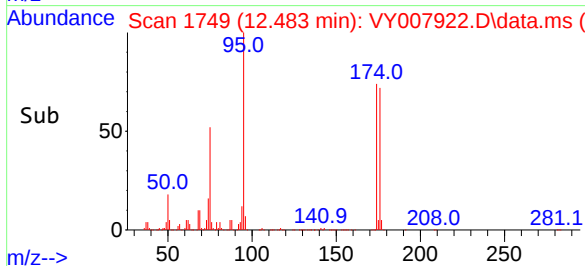
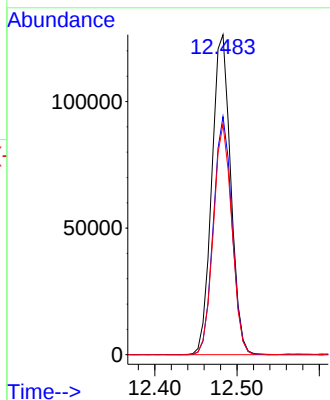
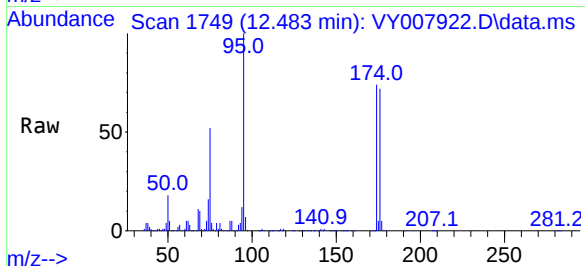




#62
4-Bromofluorobenzene
Concen: 42.316 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007922.D
Acq: 19 Mar 2022 00:29

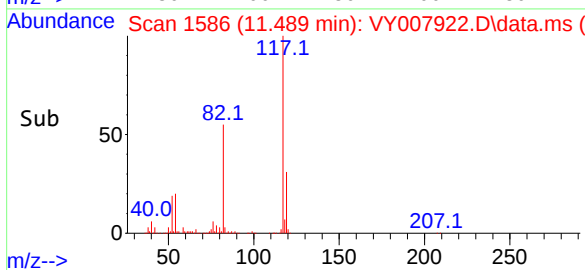
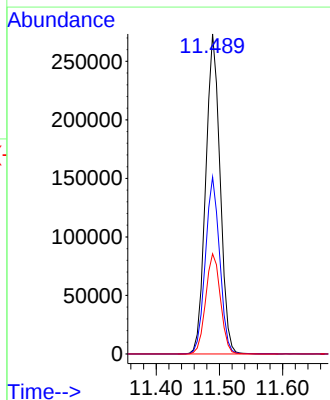
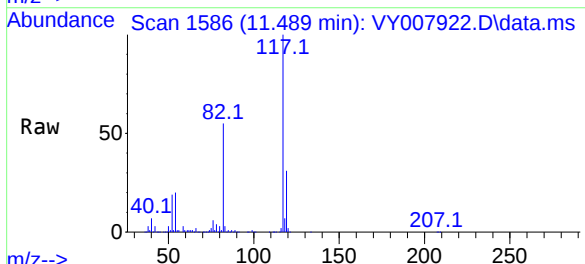
Instrument :
MSVOA_Y
ClientSampleId :
C-2-1-2

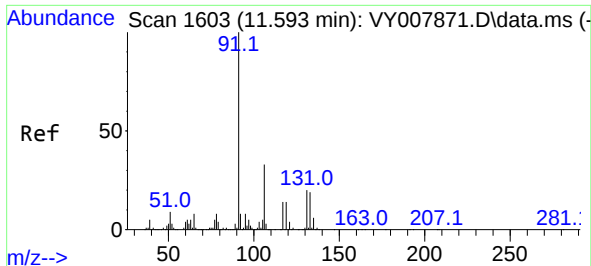
Tgt Ion: 95 Resp: 201967
Ion Ratio Lower Upper
95 100
174 72.7 0.0 177.0
176 70.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007922.D
Acq: 19 Mar 2022 00:29

Tgt Ion: 117 Resp: 431848
Ion Ratio Lower Upper
117 100
82 55.3 43.0 64.4
119 31.3 25.4 38.0





#67

Ethyl Benzene

Concen: 4.189 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. -0.000 min

Lab File: VY007922.D

Acq: 19 Mar 2022 00:29

Instrument :

MSVOA_Y

ClientSampleId :

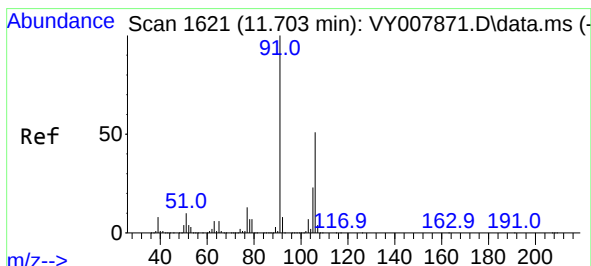
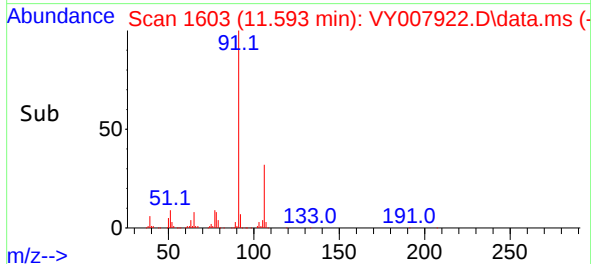
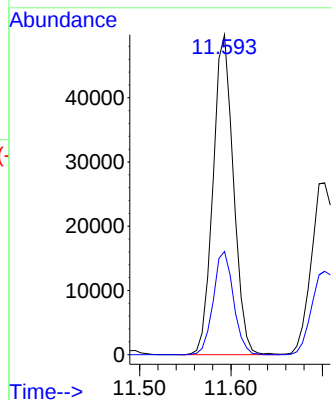
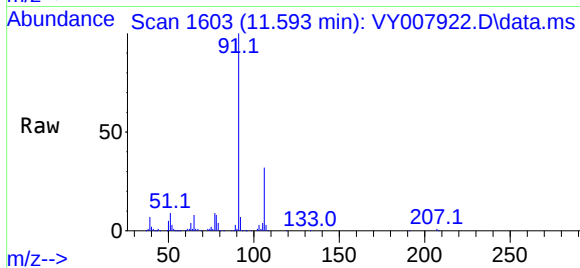
C-2-1-2

Tgt Ion: 91 Resp: 77198

Ion Ratio Lower Upper

91 100

106 32.3 24.5 36.7



#68

m/p-Xylenes

Concen: 3.499 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.000 min

Lab File: VY007922.D

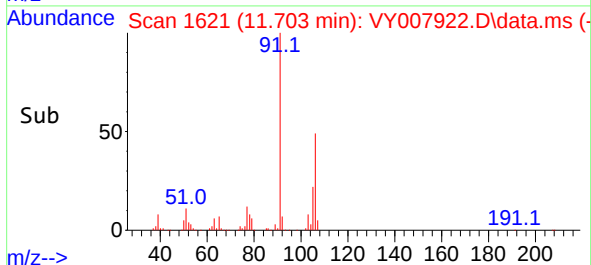
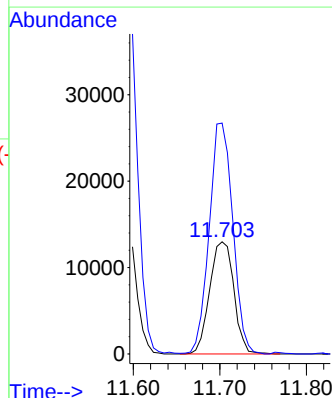
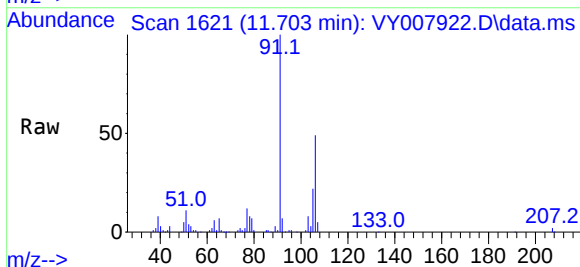
Acq: 19 Mar 2022 00:29

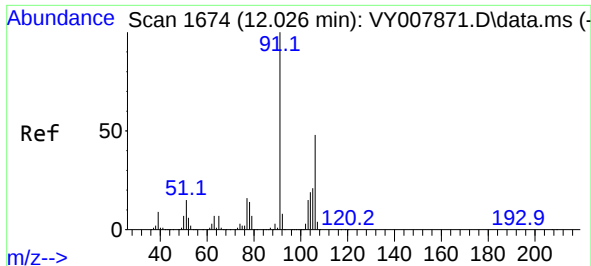
Tgt Ion:106 Resp: 25154

Ion Ratio Lower Upper

106 100

91 201.2 166.6 249.8

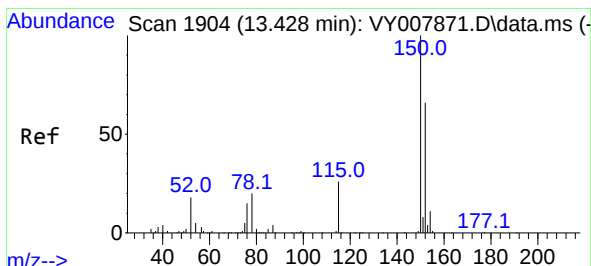
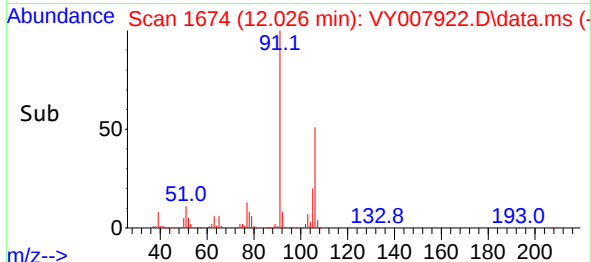
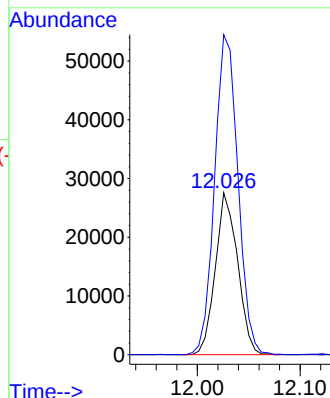
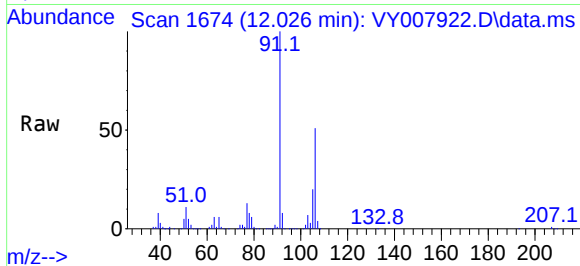




#69
o-Xylene
Concen: 5.952 ug/l
RT: 12.026 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY007922.D
Acq: 19 Mar 2022 00:29

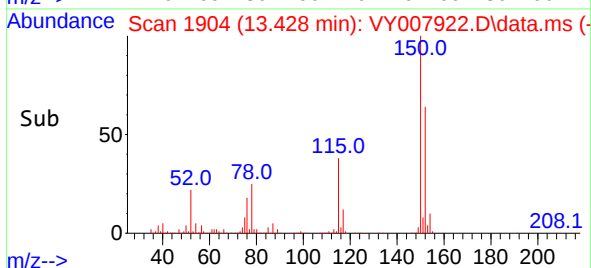
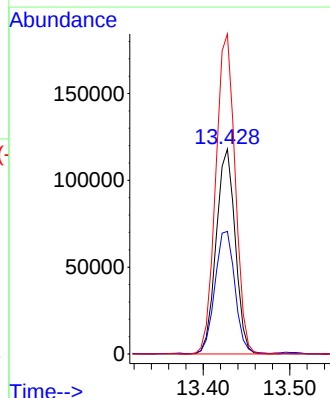
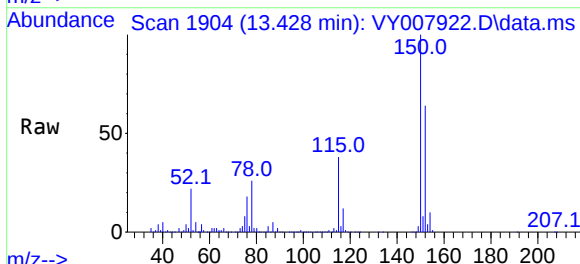
Instrument :
MSVOA_Y
ClientSampleId :
C-2-1-2

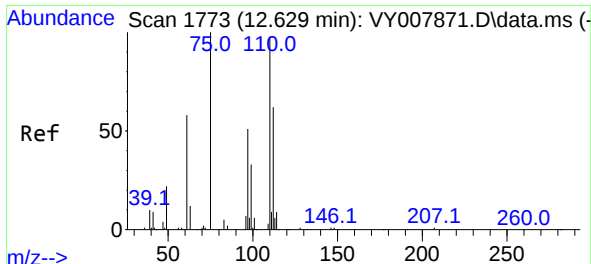
Tgt Ion:106 Resp: 41384
Ion Ratio Lower Upper
106 100
91 207.6 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY007922.D
Acq: 19 Mar 2022 00:29

Tgt Ion:152 Resp: 180300
Ion Ratio Lower Upper
152 100
115 63.0 28.2 84.7
150 159.1 0.0 347.6

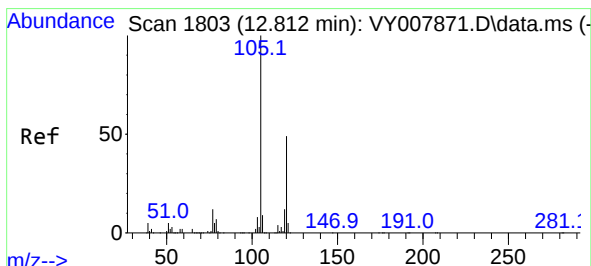
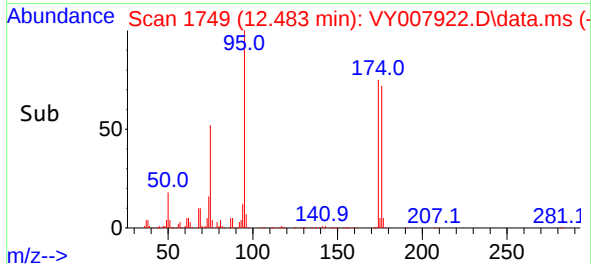
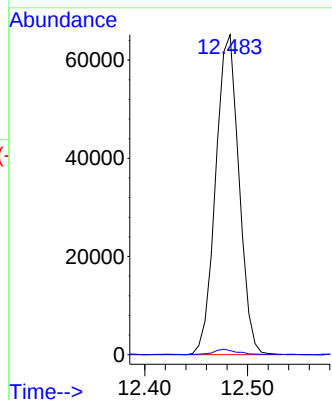
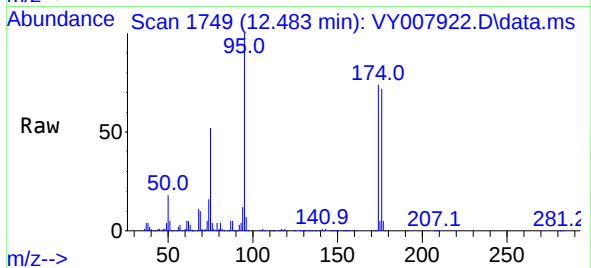




#76
1,2,3-Trichloropropane
Concen: 39.898 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY007922.D
Acq: 19 Mar 2022 00:29

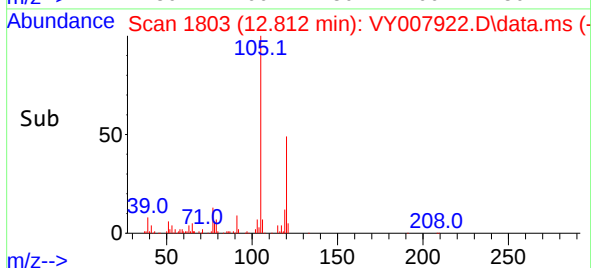
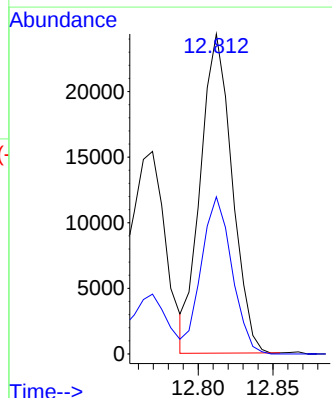
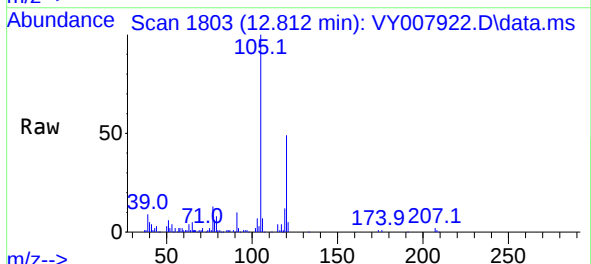
Instrument :
MSVOA_Y
ClientSampleId :
C-2-1-2

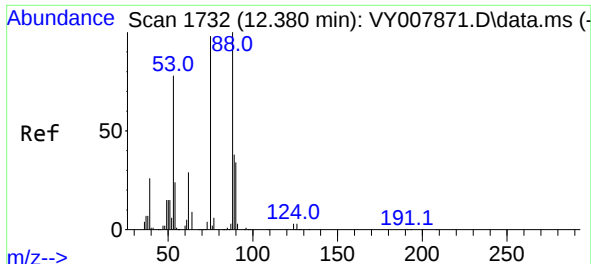
Tgt Ion: 75 Resp: 102534
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 2.736 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY007922.D
Acq: 19 Mar 2022 00:29

Tgt Ion:105 Resp: 35711
Ion Ratio Lower Upper
105 100
120 47.9 24.4 73.4

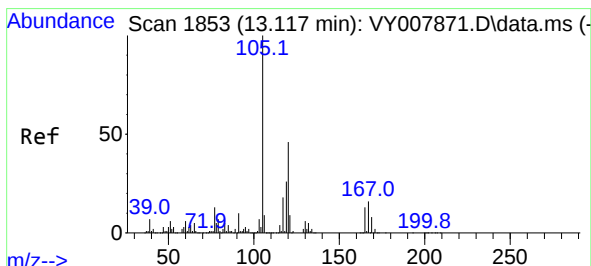
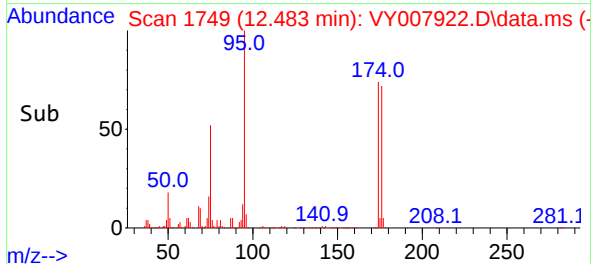
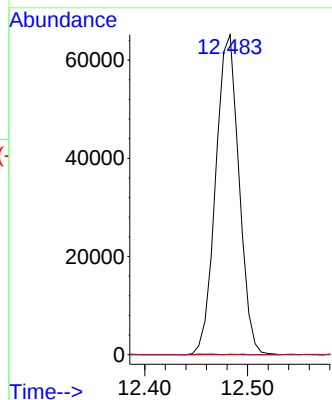
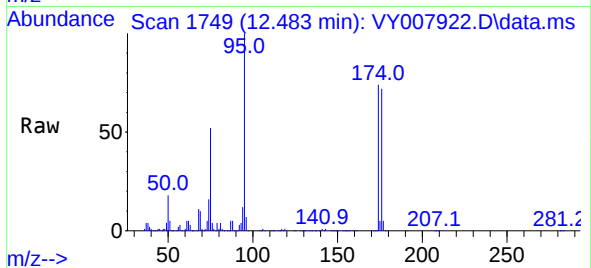




#81
trans-1,4-Dichloro-2-butene
Concen: 83.803 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY007922.D
Acq: 19 Mar 2022 00:29

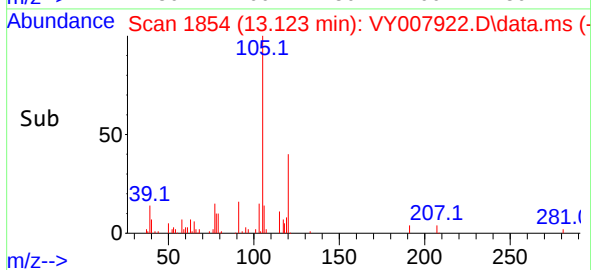
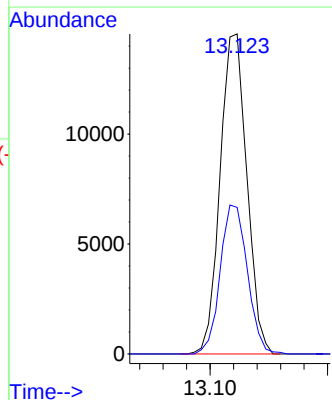
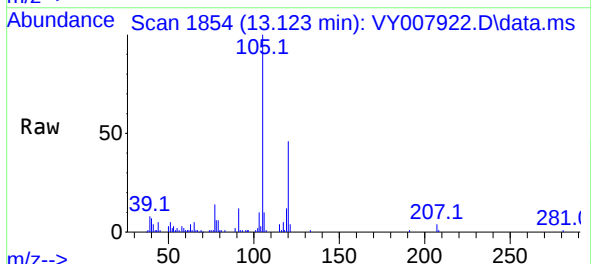
Instrument :
MSVOA_Y
ClientSampleId :
C-2-1-2

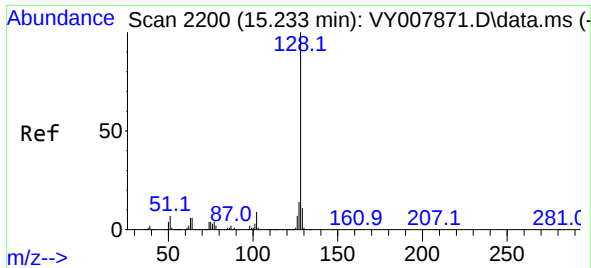
Tgt Ion: 75 Resp: 102534
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.798 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY007922.D
Acq: 19 Mar 2022 00:29

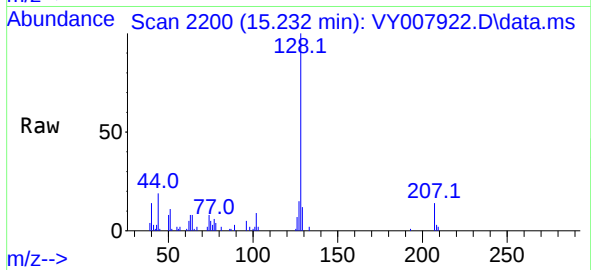
Tgt Ion:105 Resp: 22997
Ion Ratio Lower Upper
105 100
120 47.3 22.3 66.9





#95
Naphthalene
Concen: 1.054 ug/l
RT: 15.232 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY007922.D
Acq: 19 Mar 2022 00:29

Instrument :
MSVOA_Y
ClientSampleId :
C-2-1-2



Tgt Ion:	128	Resp:	9474
Ion	Ratio	Lower	Upper
128	100		
127	12.8	11.0	16.4
129	12.8	8.4	12.6#

