

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011723\
 Data File : VY012221.D
 Acq On : 17 Jan 2023 13:50
 Operator : KP/MD
 Sample : 01170-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-2-011623

Quant Time: Jan 18 00:32:31 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	0.000	168	0	0.000	ug/l	-7.79
34) 1,4-Difluorobenzene	0.000	114	0	0.000	ug/l	-8.69
63) Chlorobenzene-d5	0.000	117	0	0.000	ug/l	-11.49
72) 1,4-Dichlorobenzene-d4	13.605	152	20	50.000	ug/l	# 0.18
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	26	0.000	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0	0.000	ug/l	
Spiked Amount	50.000	Range	54 - 147	Recovery	=	0.000%#
50) Toluene-d8	10.191	98	115	0.000	ug/l	0.01
Spiked Amount	50.000	Range	49 - 140	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	12.477	95	46	0.000	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	0.000%#
Target Compounds						Qvalue
73) Isopropylbenzene	12.337	105	272	188.603	ug/l #	49
74) N-amyl acetate	12.130	43	265	937.369	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.630	83	139	611.904	ug/l #	26
77) Bromobenzene	12.453	156	537	1547.420	ug/l #	1
78) n-propylbenzene	12.684	91	240	142.213	ug/l #	52
79) 2-Chlorotoluene	12.745	91	114	119.475	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.782	105	44	35.096	ug/l #	29
82) 4-Chlorotoluene	12.873	91	62	61.859	ug/l #	41
83) tert-Butylbenzene	13.178	119	25	22.879	ug/l #	27
84) 1,2,4-Trimethylbenzene	13.123	105	332	268.524	ug/l #	43
85) sec-Butylbenzene	13.251	105	166	106.702	ug/l #	56
86) p-Isopropyltoluene	13.373	119	75	55.178	ug/l #	1
89) n-Butylbenzene	13.703	91	377	320.053	ug/l #	33
90) Hexachloroethane	13.940	117	31	126.334	ug/l #	9
95) Naphthalene	15.239	128	86	110.416	ug/l #	69

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

MSVOA Y

MSVOA Y

ClientSampleId :

CL-2-011623

Abundance

TIC: VY012221.D\data.ms

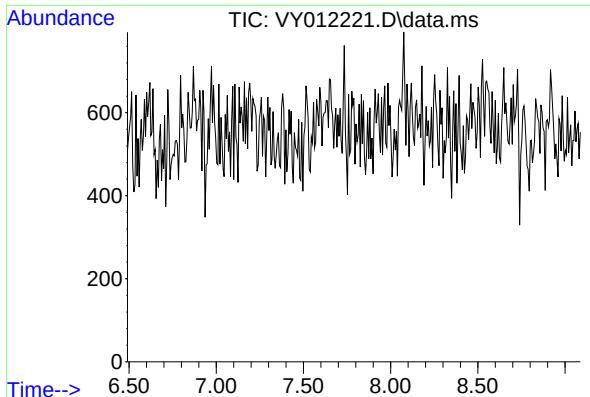
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2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

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4000
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0

Labels (Retention Time, Name):

- 2.00, Nonyl acetate, T
- 2.10, Isopropylbenzene, T
- 2.20, Bromobenzene, T
- 2.30, 1,2,4-Trichlorobenzene, T
- 2.40, 1,3,5-Trichlorobenzene, T
- 2.50, 1,4-Dichlorobenzene, T
- 2.60, 1,2,4-Trichlorobenzene, T
- 2.70, 1,3,5-Trichlorobenzene, T
- 2.80, 1,4-Dichlorobenzene, T
- 2.90, 1,2,4-Trichlorobenzene, T
- 3.00, 1,3,5-Trichlorobenzene, T
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- 15.30, 1,3,5-Trichlorobenzene, T
- 15.40, 1,4-Dichlorobenzene, T
- 15.50, 1,2,4-Trichlorobenzene, T
- 15.60, 1,3,5-Trichlorobenzene, T
- 15.70, 1,4-Dichlorobenzene, T
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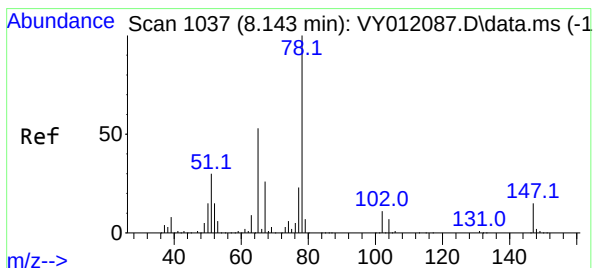
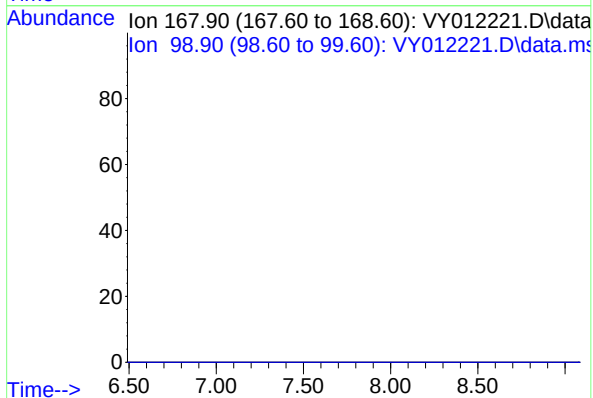


#1
Pentafluorobenzene
Concen: 0.000 ug/l
Expected RT: 7.79 min

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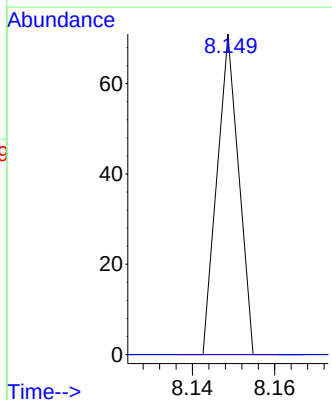
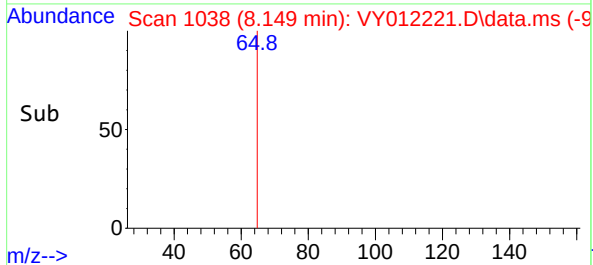
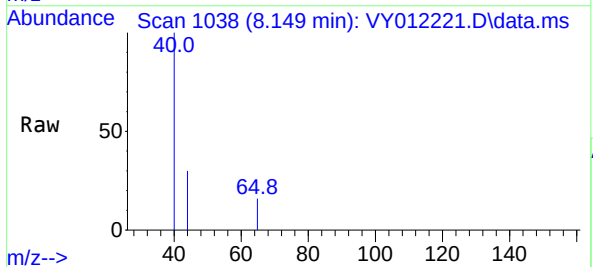
Instrument :
MSVOA_Y
ClientSampleId :
CL-2-011623

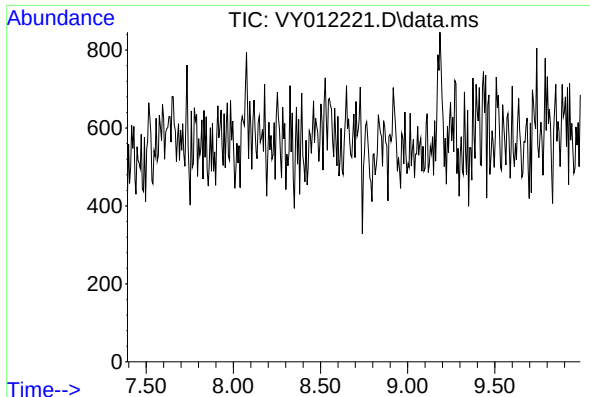
Tgt Ion: 168
Sig Exp Ratio
168 100
99 55.0



#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY012221.D
Acq: 17 Jan 2023 13:50

Tgt Ion: 65 Resp: 26
Ion Ratio Lower Upper
65 100
67 0.0 0.0 103.2



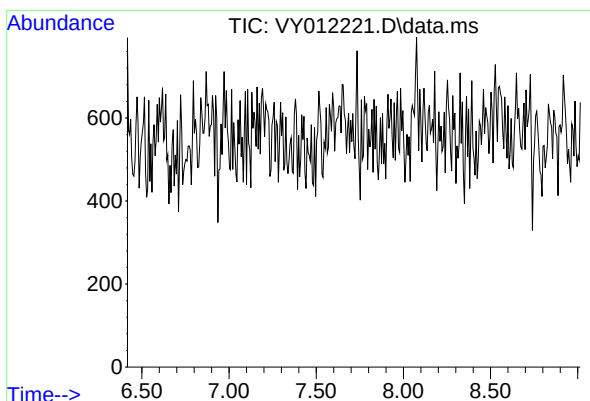
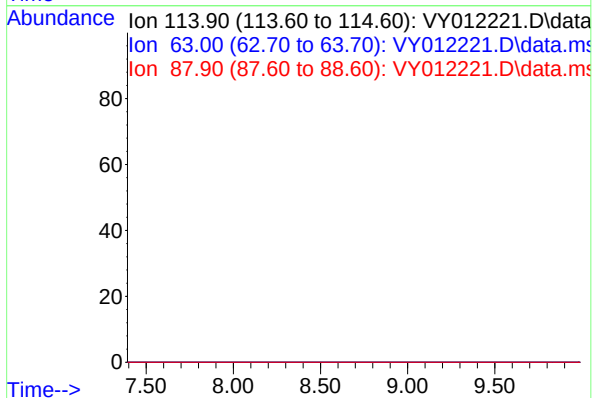


#34
1,4-Difluorobenzene
Concen: 0.000 ug/l
Expected RT: 8.69 min

Lab File: VY012221.D
Acq: 17 Jan 2023 13:50

Instrument :
MSVOA_Y
ClientSampleId :
CL-2-011623

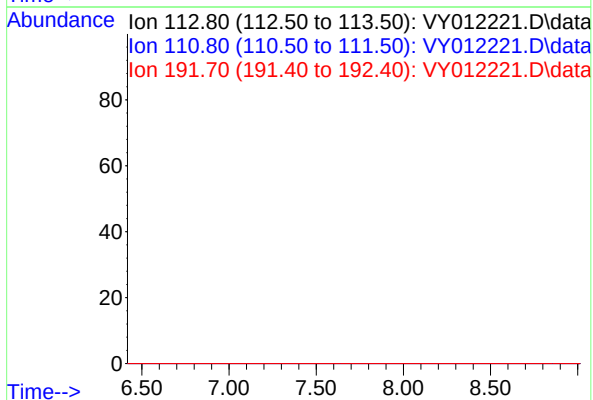
Tgt Ion: 114
Sig Exp Ratio
114 100
63 19.8
88 16.1

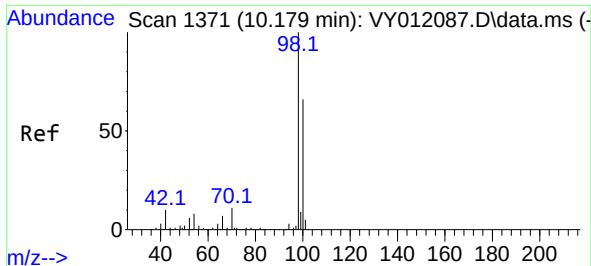


#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 7.72 min

Lab File: VY012221.D
Acq: 17 Jan 2023 13:50

Tgt Ion: 113
Sig Exp Ratio
113 100
111 103.7
192 20.0

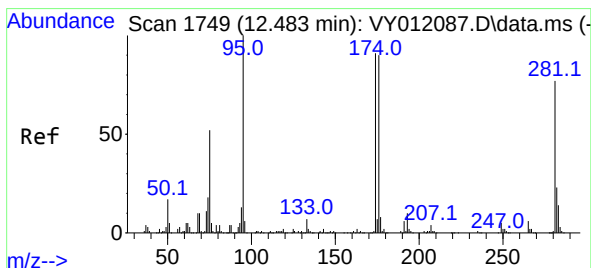
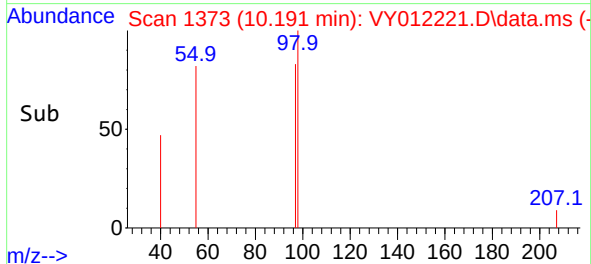
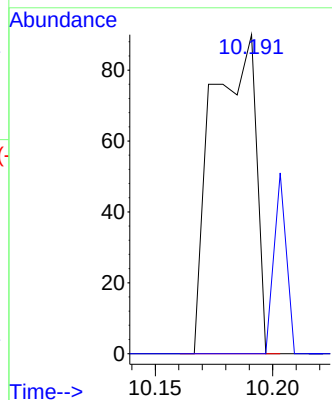
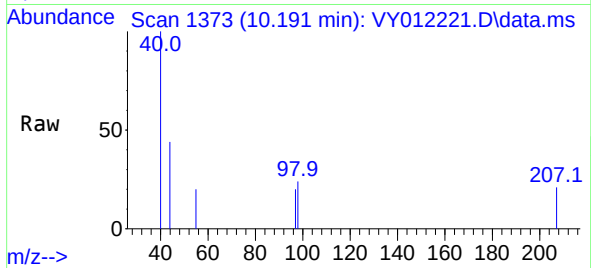




#50
Toluene-d8
Concen: 0.000 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY012221.D
Acq: 17 Jan 2023 13:50

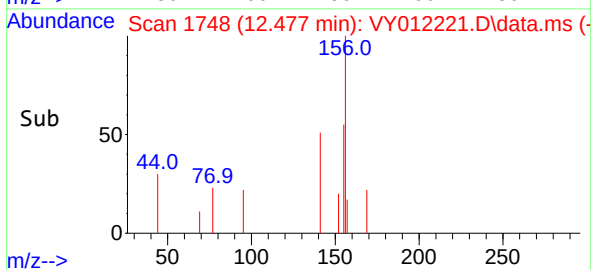
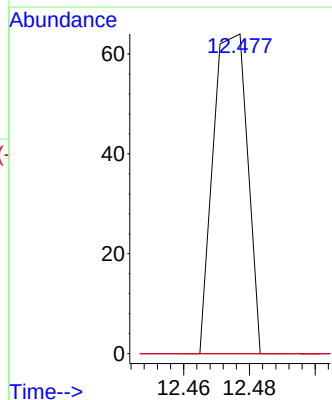
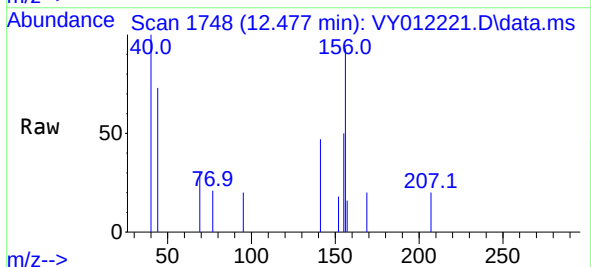
Instrument :
MSVOA_Y
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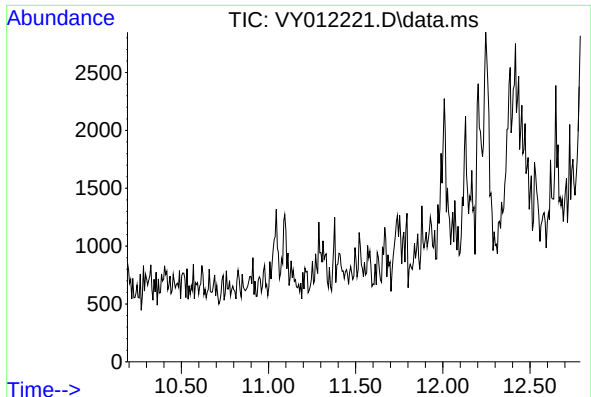
Tgt Ion: 98 Resp: 115
Ion Ratio Lower Upper
98 100
100 16.5 51.9 77.9#



#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012221.D
Acq: 17 Jan 2023 13:50

Tgt Ion: 95 Resp: 46
Ion Ratio Lower Upper
95 100
174 0.0 0.0 172.0
176 0.0 0.0 167.6



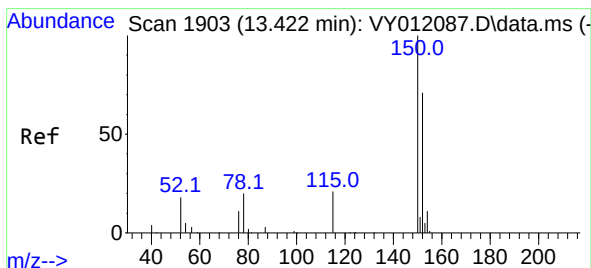
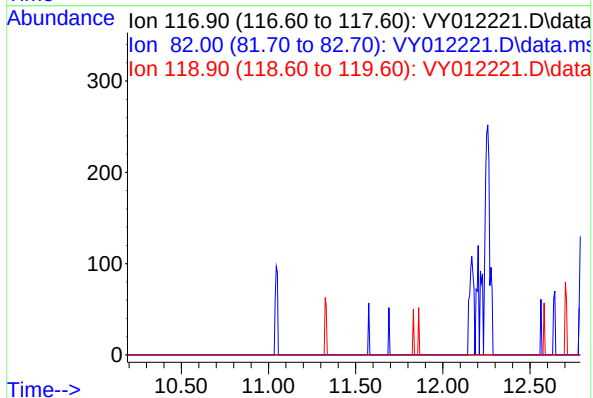


#63
Chlorobenzene-d5
Concen: 0.000 ug/l
Expected RT: 11.49 min

Lab File: VY012221.D
Acq: 17 Jan 2023 13:50

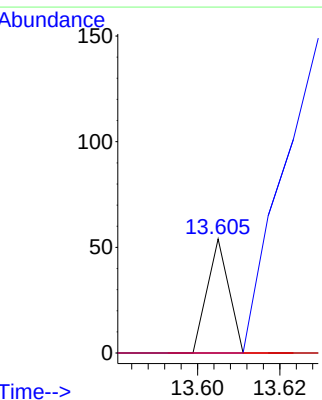
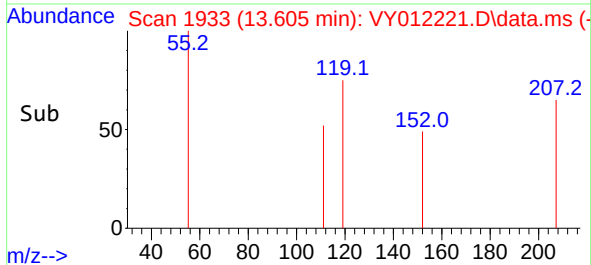
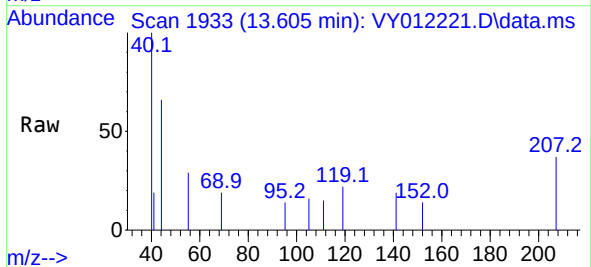
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CL-2-011623

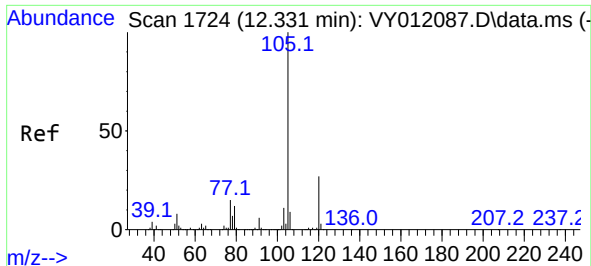
Tgt Ion: 117
Sig Exp Ratio
117 100
82 56.0
119 31.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.605 min Scan# 1933
Delta R.T. 0.183 min
Lab File: VY012221.D
Acq: 17 Jan 2023 13:50

Tgt Ion:152 Resp: 20
Ion Ratio Lower Upper
152 100
115 0.0 29.1 87.3#
150 0.0 0.0 342.6

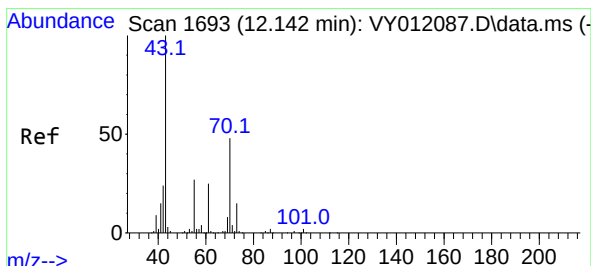
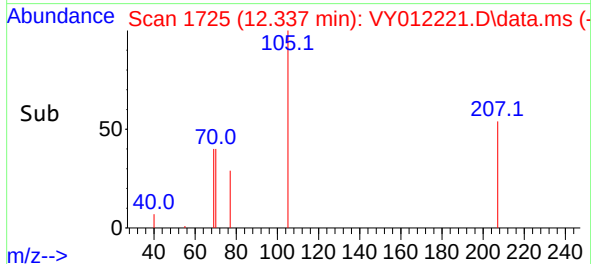
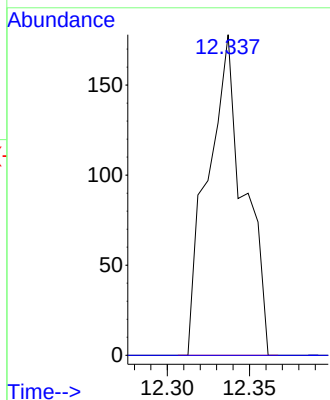
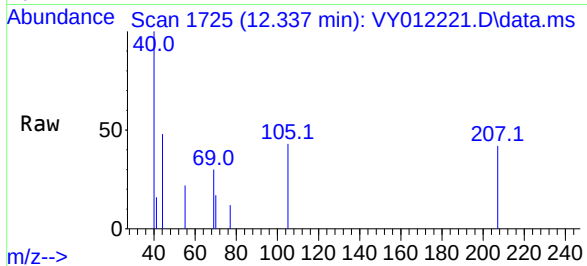




#73
Isopropylbenzene
Concen: 188.603 ug/l
RT: 12.337 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY012221.D
Acq: 17 Jan 2023 13:50

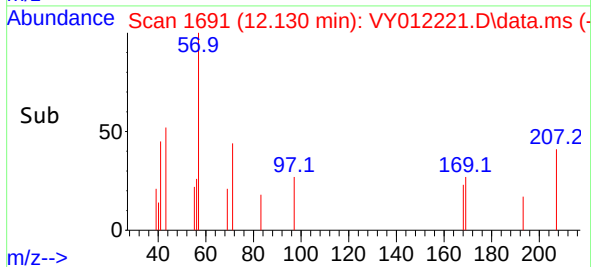
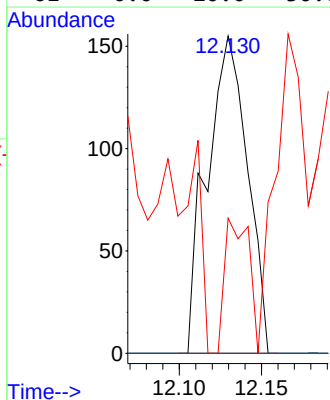
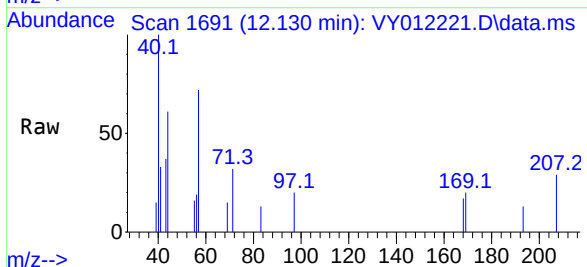
Instrument :
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ClientSampleId :
CL-2-011623

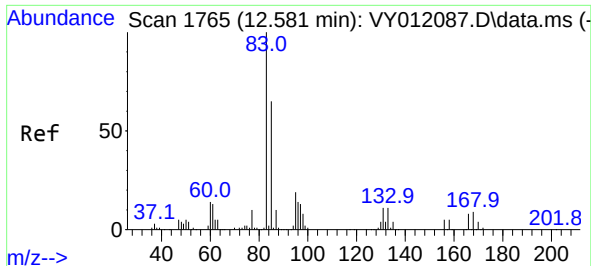
Tgt Ion:105 Resp: 272
Ion Ratio Lower Upper
105 100
120 0.0 13.2 39.6#



#74
N-ethyl acetate
Concen: 937.369 ug/l
RT: 12.130 min Scan# 1691
Delta R.T. -0.012 min
Lab File: VY012221.D
Acq: 17 Jan 2023 13:50

Tgt Ion: 43 Resp: 265
Ion Ratio Lower Upper
43 100
70 0.0 35.8 53.8#
55 25.3 21.0 31.4
61 0.0 20.0 30.0#

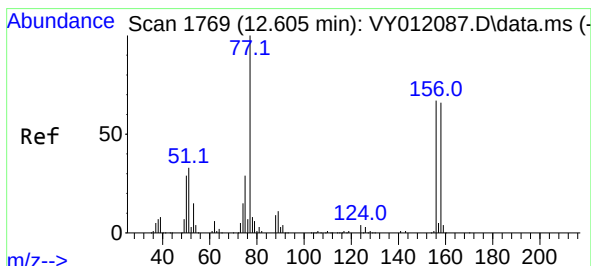
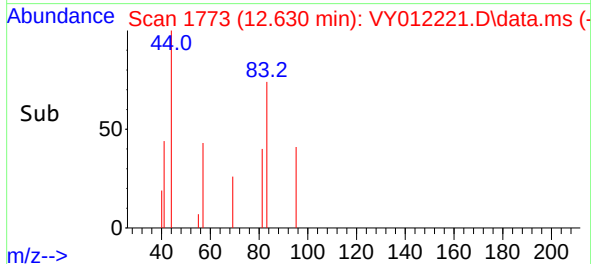
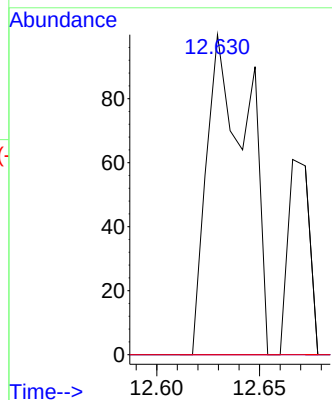
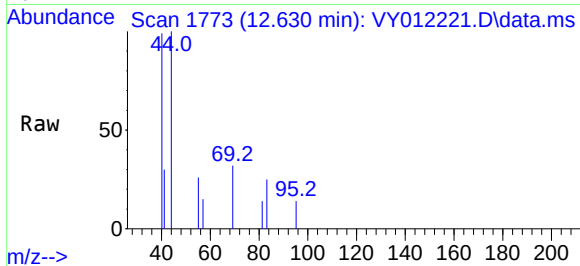




#75
1,1,2,2-Tetrachloroethane
Concen: 611.904 ug/l
RT: 12.630 min Scan# 1773
Delta R.T. 0.049 min
Lab File: VY012221.D
Acq: 17 Jan 2023 13:50

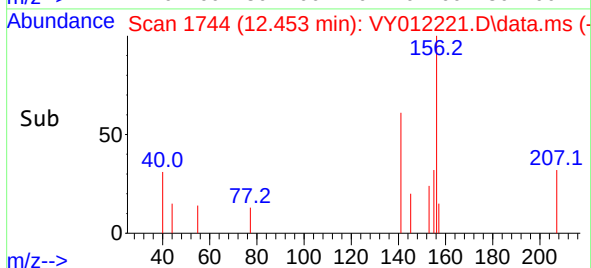
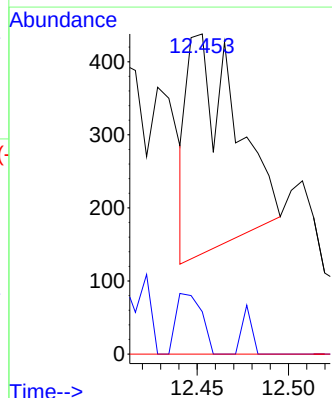
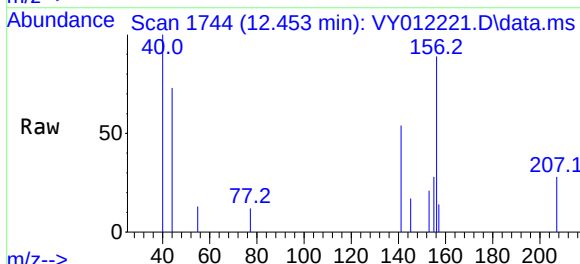
Instrument :
MSVOA_Y
ClientSampleId :
CL-2-011623

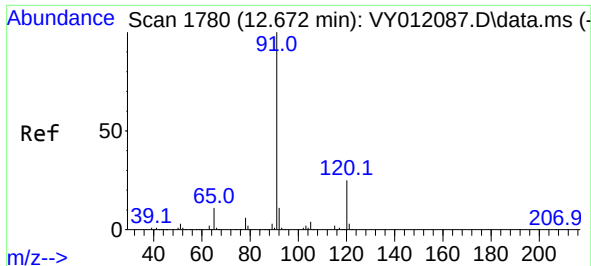
Tgt Ion: 83 Resp: 139
Ion Ratio Lower Upper
83 100
131 0.0 5.6 16.8#
85 0.0 32.3 96.8#



#77
Bromobenzene
Concen: 1547.420 ug/l
RT: 12.453 min Scan# 1744
Delta R.T. -0.152 min
Lab File: VY012221.D
Acq: 17 Jan 2023 13:50

Tgt Ion: 156 Resp: 537
Ion Ratio Lower Upper
156 100
77 15.1 90.0 270.0#
158 0.0 48.4 145.2#

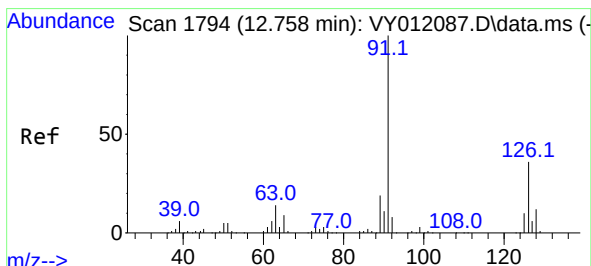
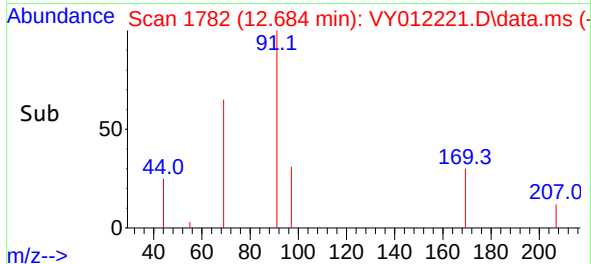
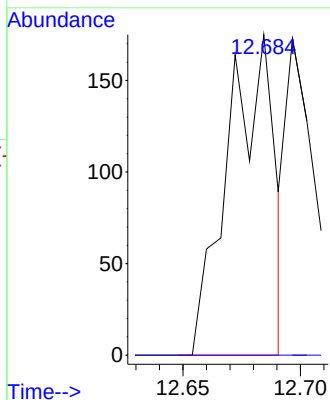
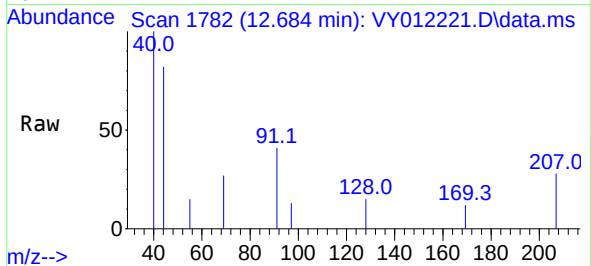




#78
n-propylbenzene
Concen: 142.213 ug/l
RT: 12.684 min Scan# 1782
Delta R.T. 0.012 min
Lab File: VY012221.D
Acq: 17 Jan 2023 13:50

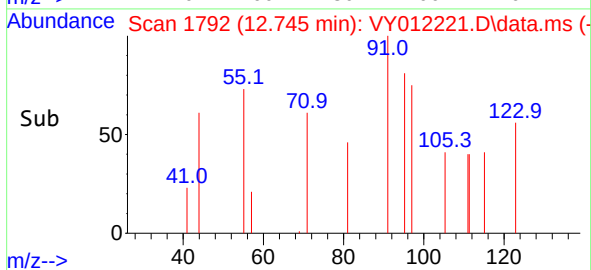
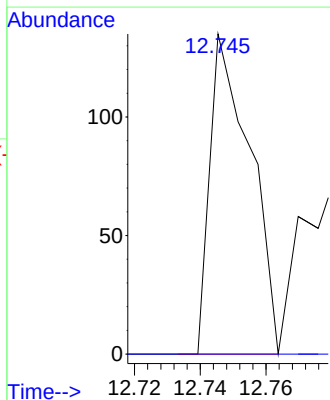
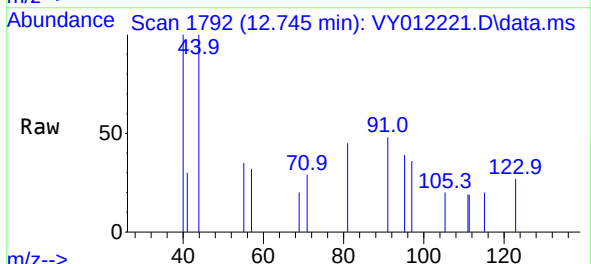
Instrument :
MSVOA_Y
ClientSampleId :
CL-2-011623

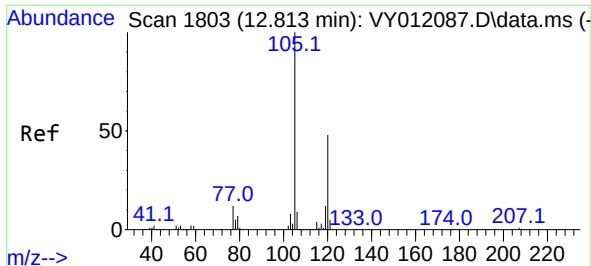
Tgt Ion: 91 Resp: 240
Ion Ratio Lower Upper
91 100
120 0.0 11.8 35.4#



#79
2-Chlorotoluene
Concen: 119.475 ug/l
RT: 12.745 min Scan# 1792
Delta R.T. -0.013 min
Lab File: VY012221.D
Acq: 17 Jan 2023 13:50

Tgt Ion: 91 Resp: 114
Ion Ratio Lower Upper
91 100
126 0.0 17.2 51.5#

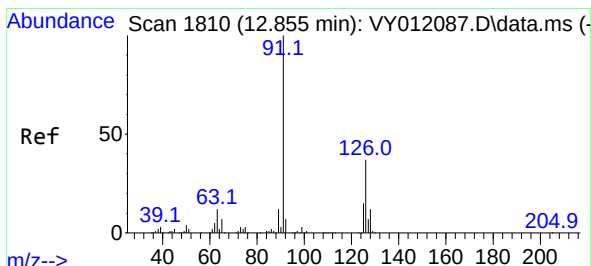
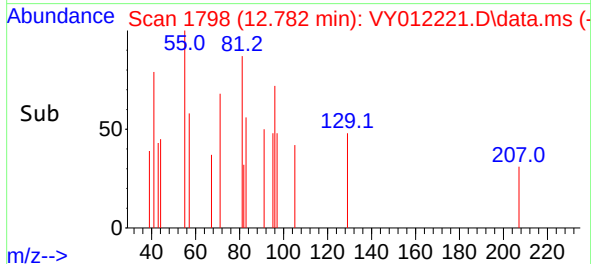
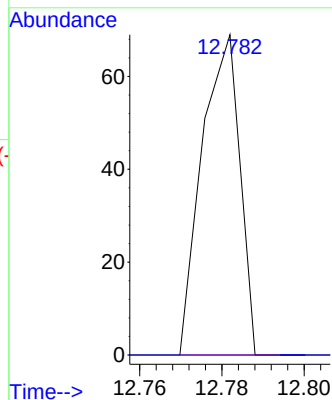
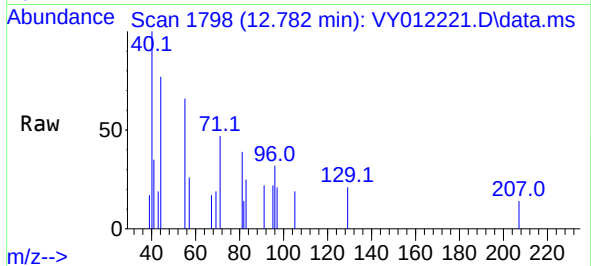




#80
1,3,5-Trimethylbenzene
Concen: 35.096 ug/l
RT: 12.782 min Scan# 11
Delta R.T. -0.031 min
Lab File: VY012221.D
Acq: 17 Jan 2023 13:50

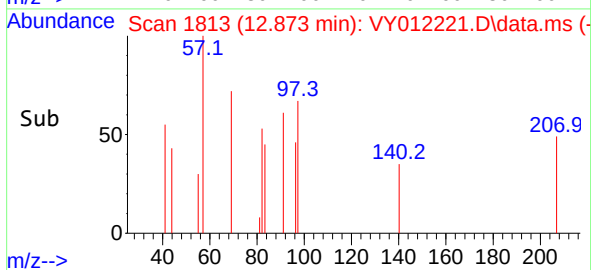
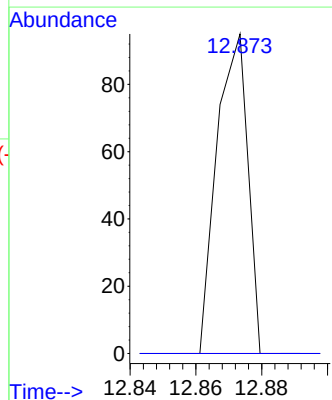
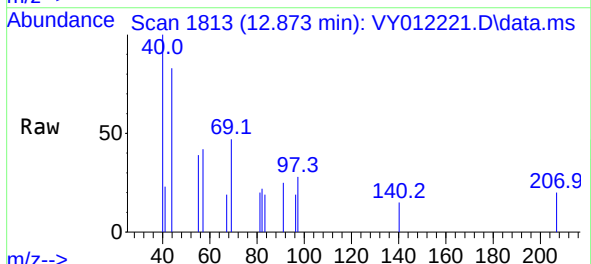
Instrument :
MSVOA_Y
ClientSampleId :
CL-2-011623

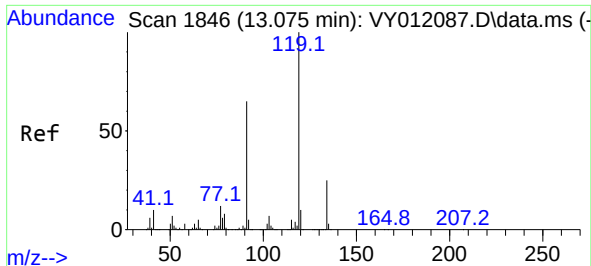
Tgt Ion:105 Resp: 44
Ion Ratio Lower Upper
105 100
120 0.0 24.2 72.6#



#82
4-Chlorotoluene
Concen: 61.859 ug/l
RT: 12.873 min Scan# 1813
Delta R.T. 0.018 min
Lab File: VY012221.D
Acq: 17 Jan 2023 13:50

Tgt Ion: 91 Resp: 62
Ion Ratio Lower Upper
91 100
126 0.0 17.1 51.2#

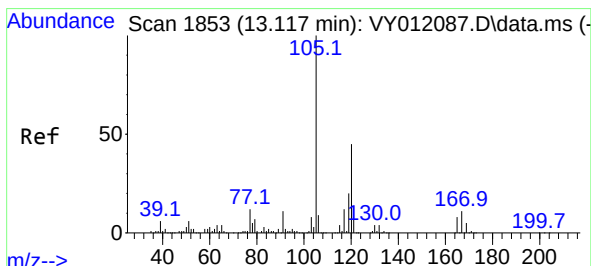
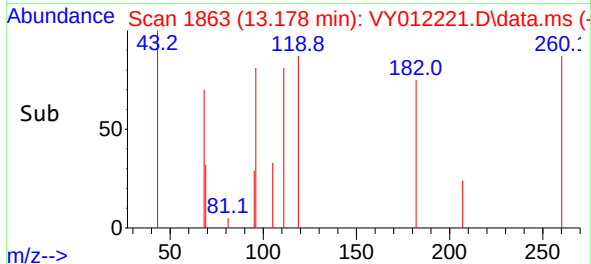
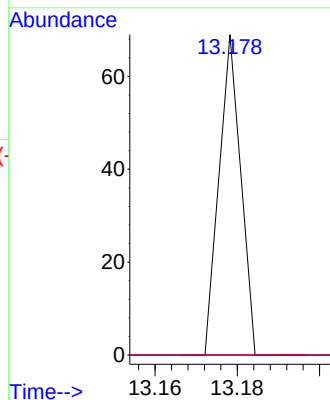
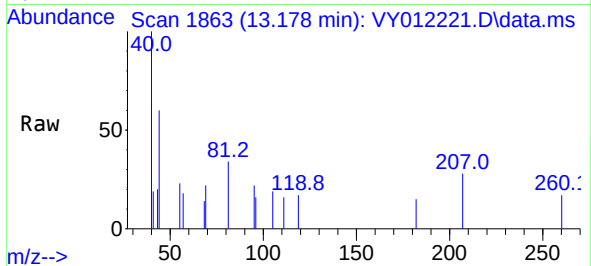




#83
tert-Butylbenzene
Concen: 22.879 ug/l
RT: 13.178 min Scan# 1863
Delta R.T. 0.103 min
Lab File: VY012221.D
Acq: 17 Jan 2023 13:50

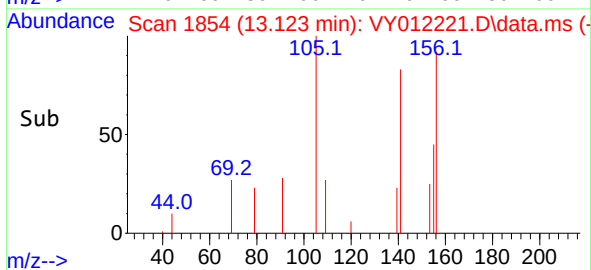
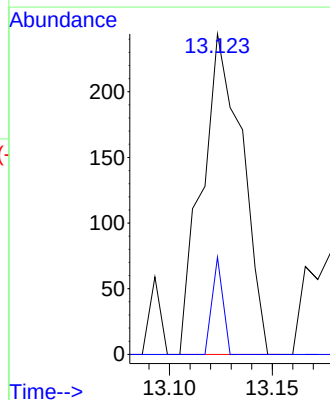
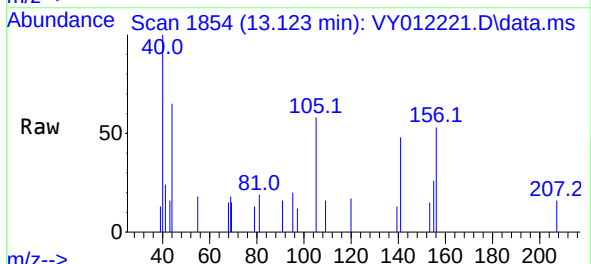
Instrument :
MSVOA_Y
ClientSampleId :
CL-2-011623

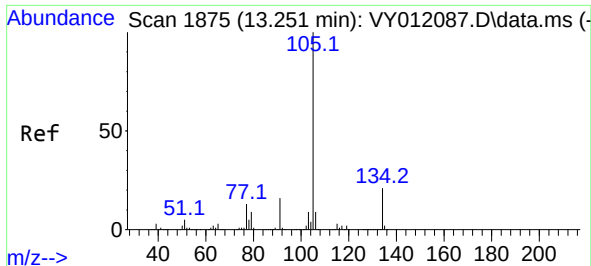
Tgt Ion:	119	Resp:	25
Ion	Ratio	Lower	Upper
119	100		
91	0.0	32.3	96.8#
134	0.0	13.0	39.0#



#84
1,2,4-Trimethylbenzene
Concen: 268.524 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY012221.D
Acq: 17 Jan 2023 13:50

Tgt Ion:	105	Resp:	332
Ion	Ratio	Lower	Upper
105	100		
120	8.1	22.9	68.7#

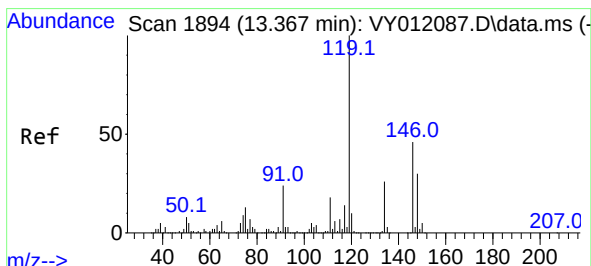
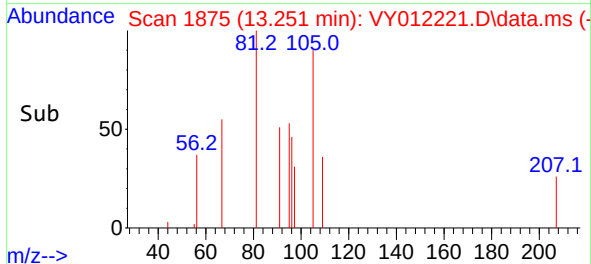
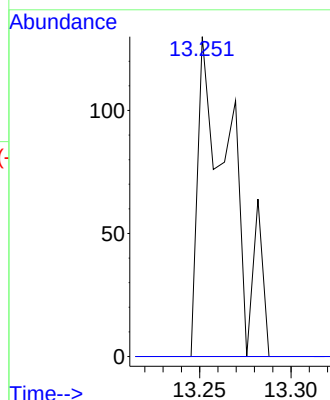
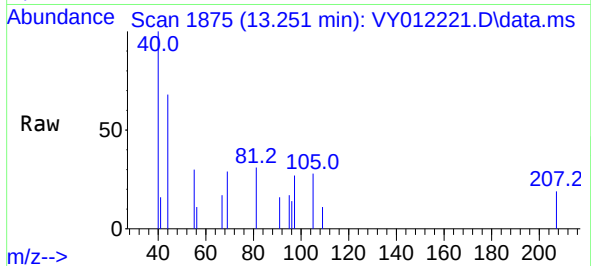




#85
 sec-Butylbenzene
 Concen: 106.702 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: VY012221.D
 Acq: 17 Jan 2023 13:50

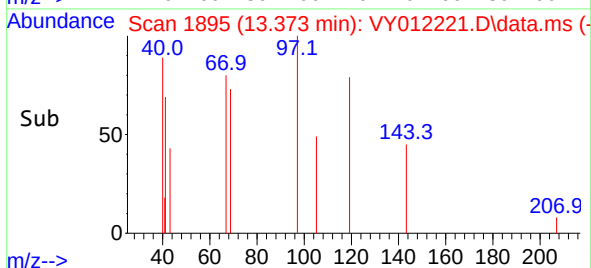
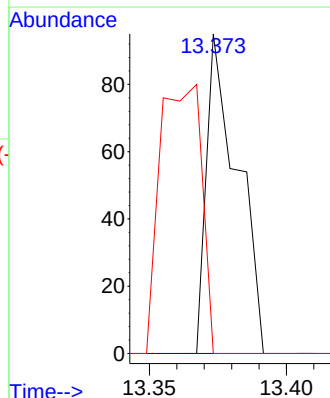
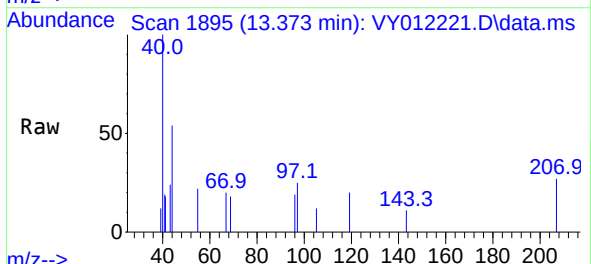
Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-2-011623

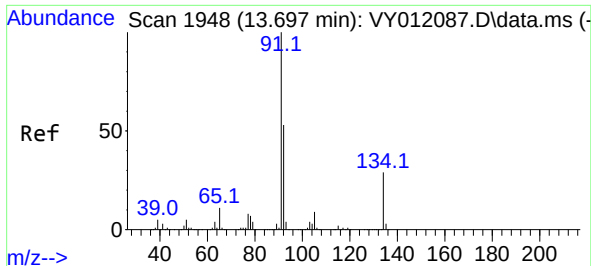
Tgt Ion:105 Resp: 166
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.3#



#86
 p-Isopropyltoluene
 Concen: 55.178 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. 0.006 min
 Lab File: VY012221.D
 Acq: 17 Jan 2023 13:50

Tgt Ion:119 Resp: 75
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.0 39.0#
 91 112.0 11.9 35.9#

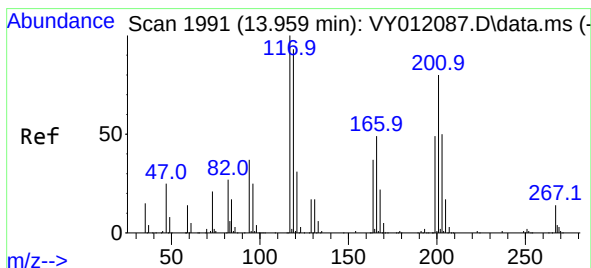
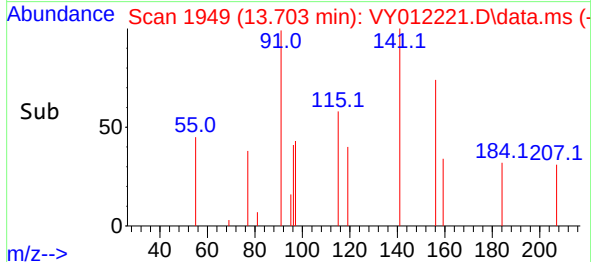
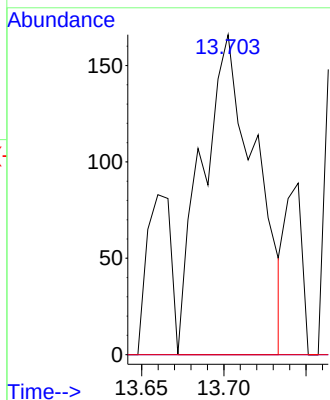
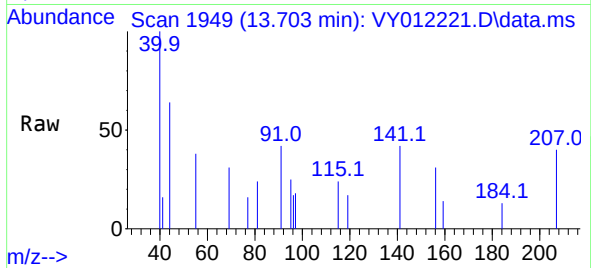




#89
n-Butylbenzene
Concen: 320.053 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VY012221.D
Acq: 17 Jan 2023 13:50

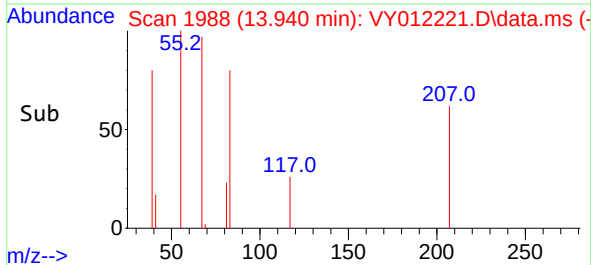
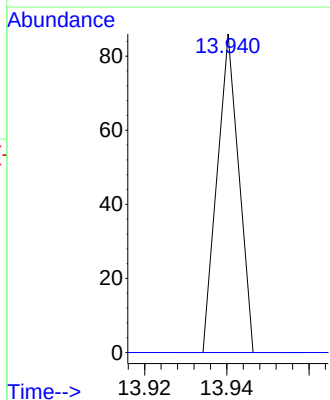
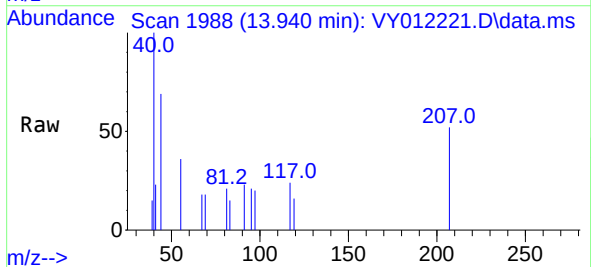
Instrument :
MSVOA_Y
ClientSampleId :
CL-2-011623

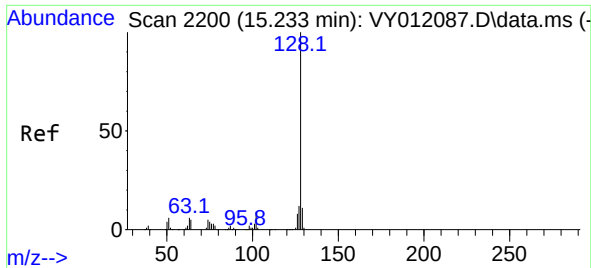
Tgt Ion:	91	Resp:	377
Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.8	80.4#
134	0.0	13.3	39.8#



#90
Hexachloroethane
Concen: 126.334 ug/l
RT: 13.940 min Scan# 1988
Delta R.T. -0.019 min
Lab File: VY012221.D
Acq: 17 Jan 2023 13:50

Tgt Ion:	117	Resp:	31
Ion	Ratio	Lower	Upper
117	100		
201	0.0	40.3	120.8#





#95
Naphthalene
Concen: 110.416 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY012221.D
Acq: 17 Jan 2023 13:50

Instrument :
MSVOA_Y
ClientSampleId :
CL-2-011623

Tgt Ion:	128	Resp:	86
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.8	13.2#

