

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111323\
 Data File : VY016330.D
 Acq On : 13 Nov 2023 18:06
 Operator : SY/MD
 Sample : 05366-02
 Misc : 6.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 14 04:39:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

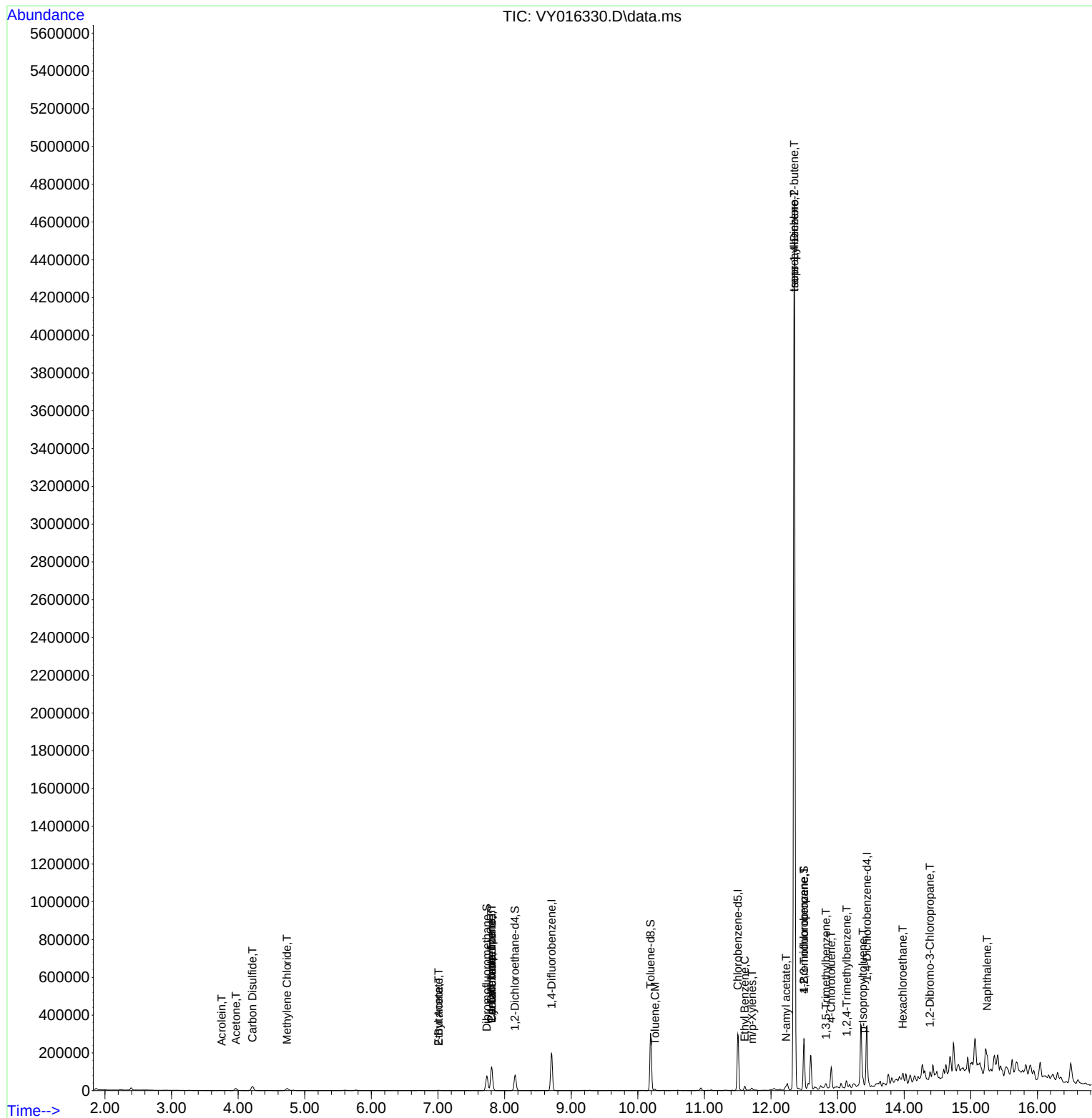
Internal Standards						
1) Pentafluorobenzene	7.807	168	98105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	172585	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	170879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	87676	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	64160	71.556	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 143.120%	
35) Dibromofluoromethane	7.734	113	54795	55.891	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.780%	
50) Toluene-d8	10.191	98	205338	51.648	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.300%	
62) 4-Bromofluorobenzene	12.495	95	78758	60.994	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 121.980%	
Target Compounds						Qvalue
13) Acrolein	3.753	56	401	4.735	ug/l #	14
16) Acetone	3.966	43	19636	132.393	ug/l #	87
17) Carbon Disulfide	4.216	76	45458	15.197	ug/l	98
20) Methylene Chloride	4.734	84	8990	5.481	ug/l	89
25) 2-Butanone	7.008	43	3614	13.912	ug/l #	87
31) Cyclohexane	7.807	56	2170	1.229	ug/l #	22
36) 1,1-Dichloropropene	7.801	75	7506	4.409	ug/l #	50
37) Ethyl Acetate	7.008	43	3614	5.254	ug/l #	71
38) Carbon Tetrachloride	7.807	117	9684	5.481	ug/l #	17
52) Toluene	10.258	92	3199	1.058	ug/l	92
67) Ethyl Benzene	11.605	91	14168	2.159	ug/l	99
68) m/p-Xylenes	11.715	106	3420	1.374	ug/l	98
73) Isopropylbenzene	12.349	105	200494	28.239	ug/l #	60
74) N-amyl acetate	12.227	43	3458	2.425	ug/l #	1
76) 1,2,3-Trichloropropane	12.495	75	41528	49.375	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.825	105	8227	1.437	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.349	75	5893	15.208	ug/l #	1
82) 4-Chlorotoluene	12.904	91	14178	2.967	ug/l #	41
84) 1,2,4-Trimethylbenzene	13.135	105	21235	3.767	ug/l	99
86) p-Isopropyltoluene	13.379	119	25515	4.114	ug/l #	76
90) Hexachloroethane	13.977	117	1644	1.374	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	14.385	75	332	1.832	ug/l #	3
95) Naphthalene	15.245	128	62882	22.769	ug/l #	93

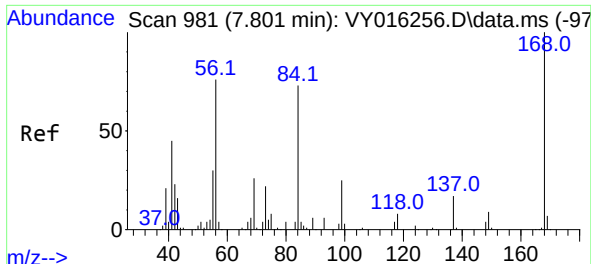
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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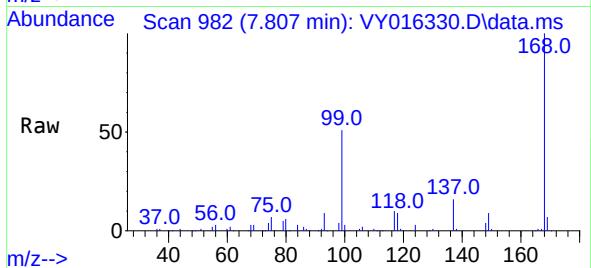
Quant Time: Nov 14 04:39:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 09 00:45:52 2023
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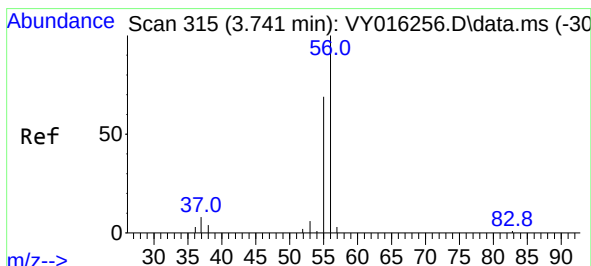
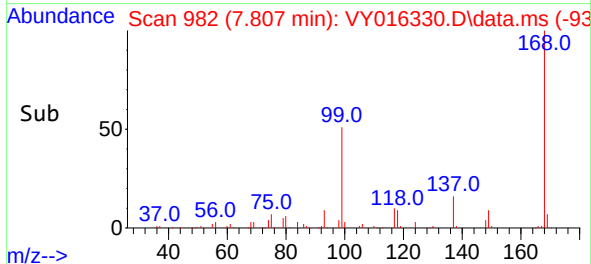
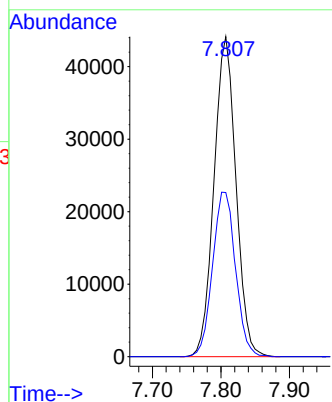


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY016330.D
Acq: 13 Nov 2023 18:06

Instrument :
MSVOA_Y
ClientSampleId :

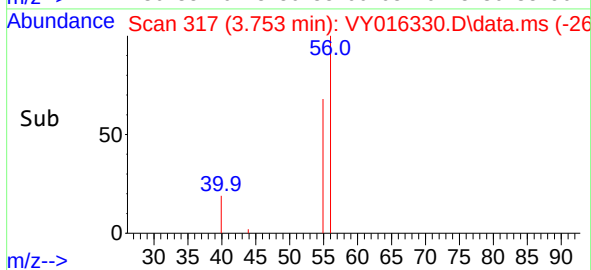
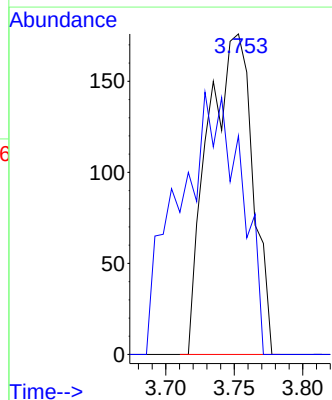
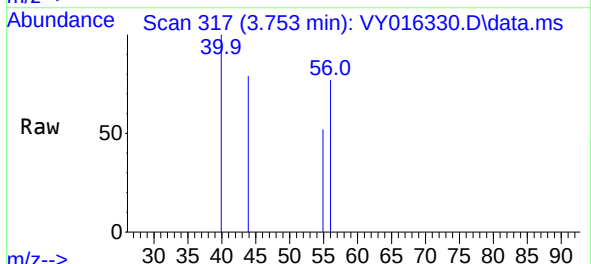


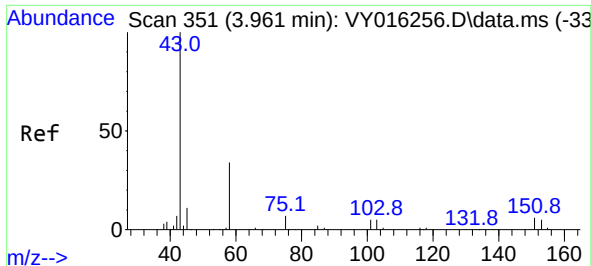
Tgt Ion:168 Resp: 98105
Ion Ratio Lower Upper
168 100
99 51.3 43.4 65.0



#13
Acrolein
Concen: 4.735 ug/l
RT: 3.753 min Scan# 317
Delta R.T. 0.012 min
Lab File: VY016330.D
Acq: 13 Nov 2023 18:06

Tgt Ion: 56 Resp: 401
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#

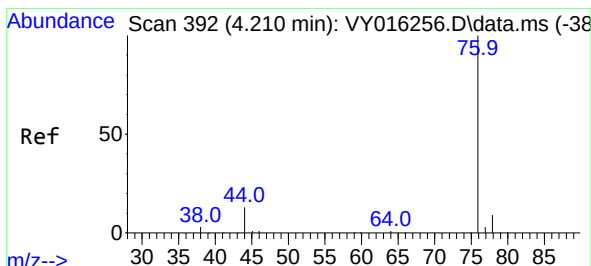
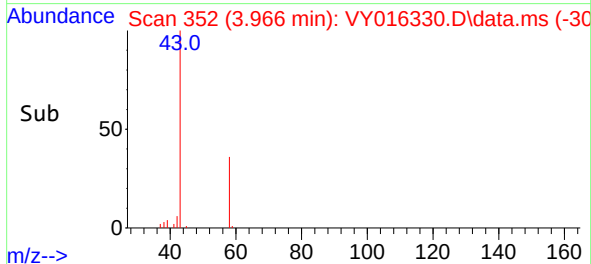
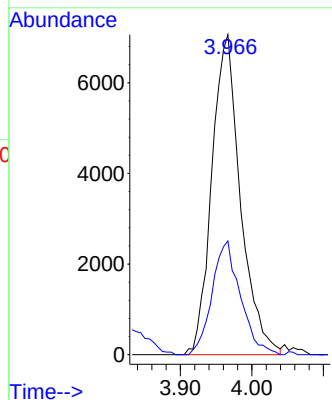
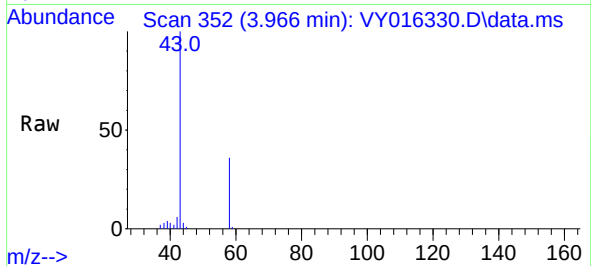




#16
Acetone
Concen: 132.393 ug/l
RT: 3.966 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY016330.D
Acq: 13 Nov 2023 18:06

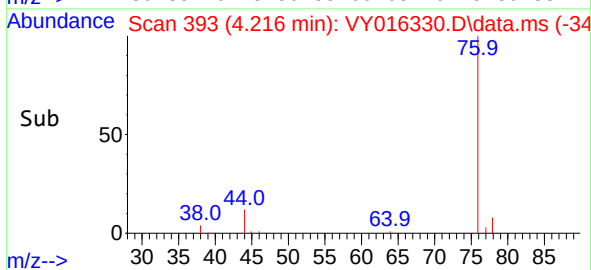
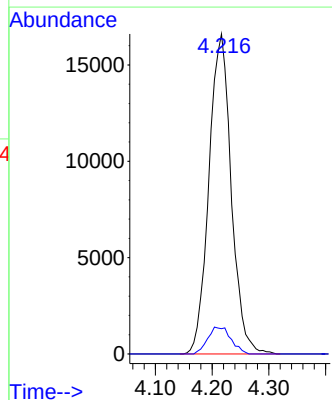
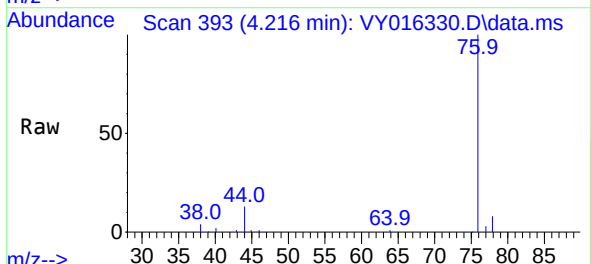
Instrument :
MSVOA_Y
ClientSampleId :

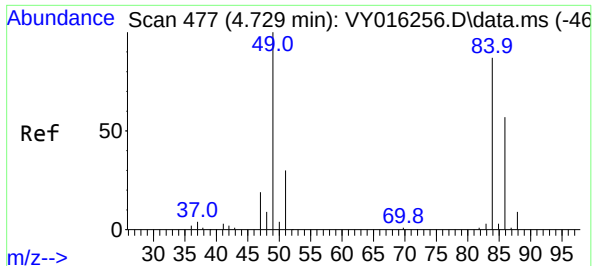
Tgt Ion: 43 Resp: 19636
Ion Ratio Lower Upper
43 100
58 35.5 22.7 34.1#



#17
Carbon Disulfide
Concen: 15.197 ug/l
RT: 4.216 min Scan# 393
Delta R.T. 0.006 min
Lab File: VY016330.D
Acq: 13 Nov 2023 18:06

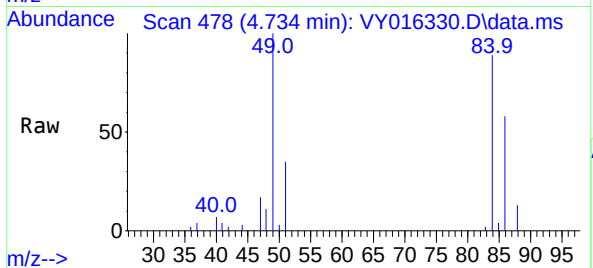
Tgt Ion: 76 Resp: 45458
Ion Ratio Lower Upper
76 100
78 7.9 7.0 10.4





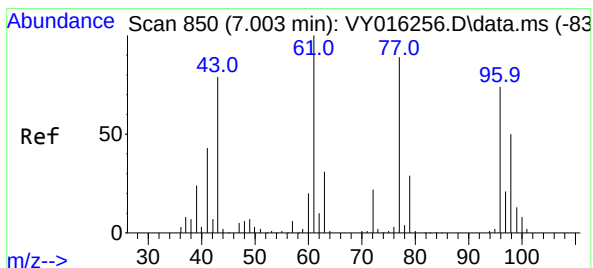
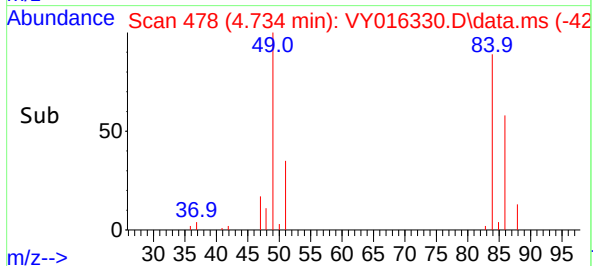
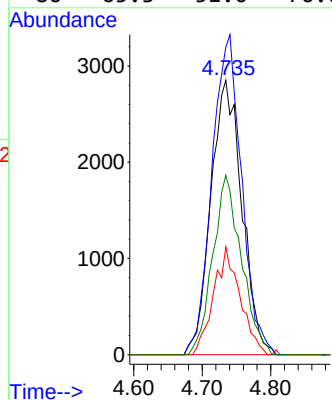
#20
Methylene Chloride
Concen: 5.481 ug/l
RT: 4.734 min Scan# 41
Delta R.T. 0.005 min
Lab File: VY016330.D
Acq: 13 Nov 2023 18:06

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 8990

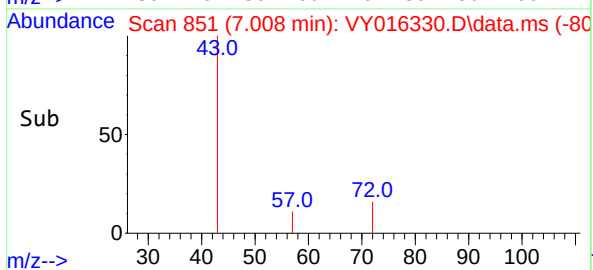
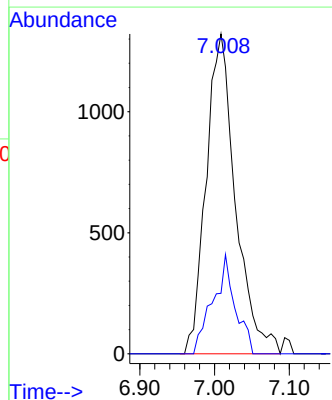
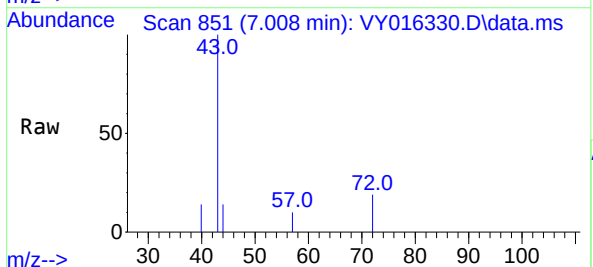
Ion	Ratio	Lower	Upper
84	100		
49	112.0	106.9	160.3
51	39.2	33.2	49.8
86	65.3	51.0	76.6

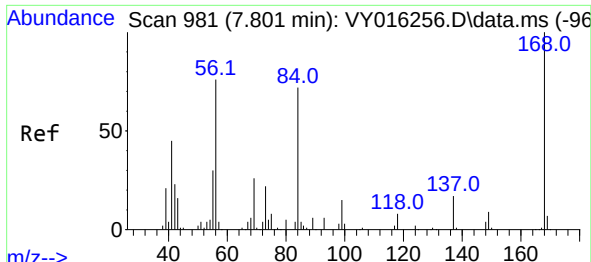


#25
2-Butanone
Concen: 13.912 ug/l
RT: 7.008 min Scan# 851
Delta R.T. 0.006 min
Lab File: VY016330.D
Acq: 13 Nov 2023 18:06

Tgt Ion: 43 Resp: 3614

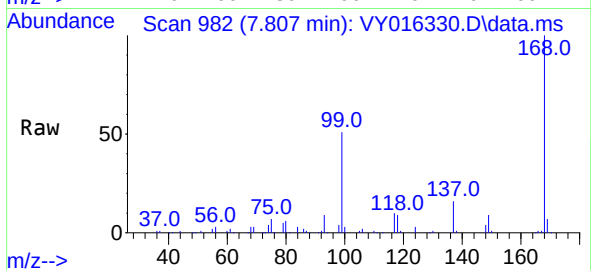
Ion	Ratio	Lower	Upper
43	100		
72	18.9	20.5	30.7#



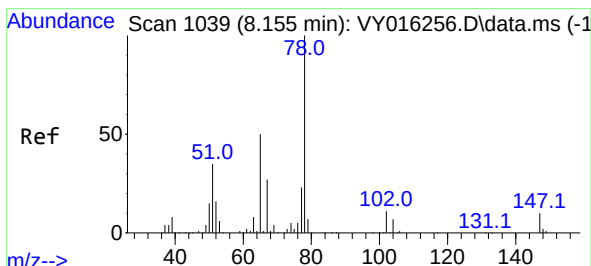
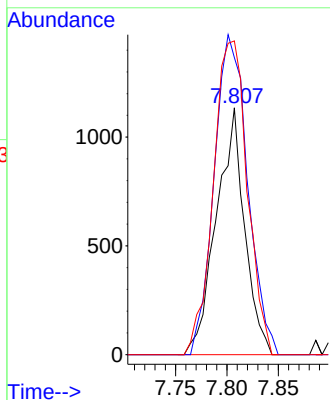
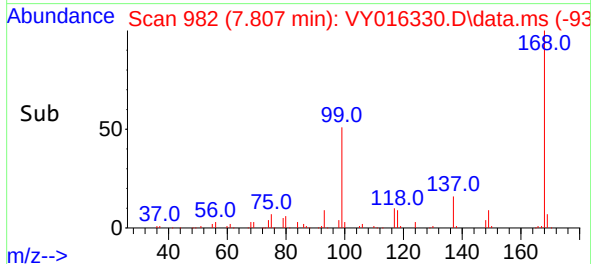


#31
Cyclohexane
Concen: 1.229 ug/l
RT: 7.807 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY016330.D
Acq: 13 Nov 2023 18:06

Instrument :
MSVOA_Y
ClientSampleId :

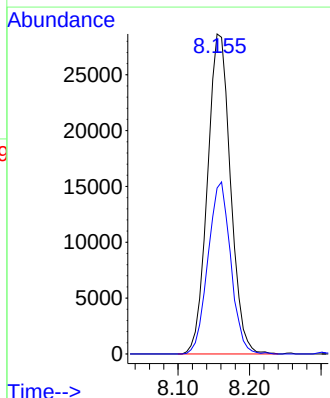
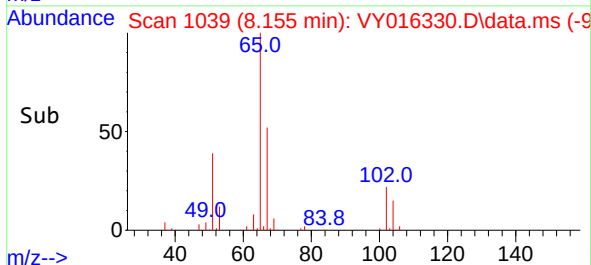
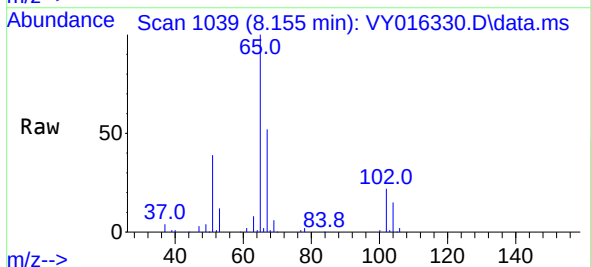


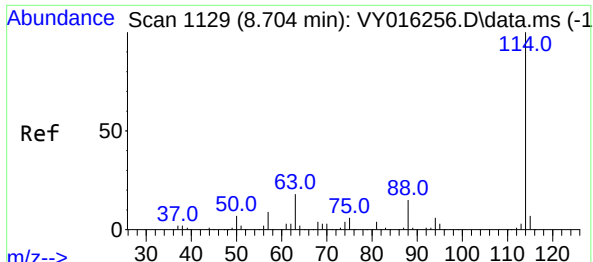
Tgt Ion: 56 Resp: 2170
Ion Ratio Lower Upper
56 100
69 120.4 27.8 41.6#
84 127.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 71.556 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY016330.D
Acq: 13 Nov 2023 18:06

Tgt Ion: 65 Resp: 64160
Ion Ratio Lower Upper
65 100
67 52.9 0.0 101.8

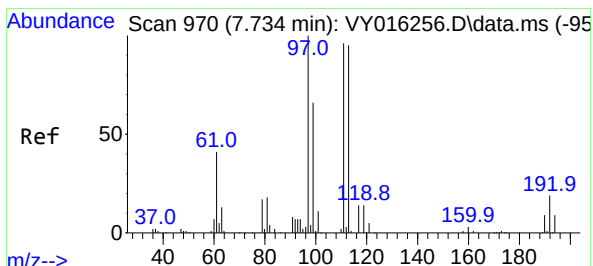
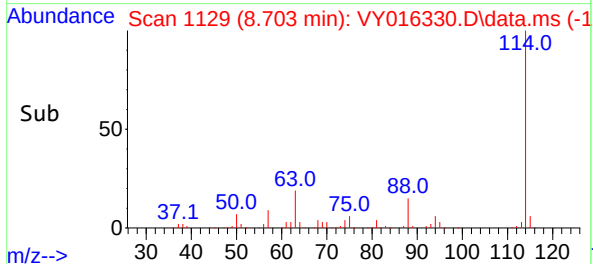
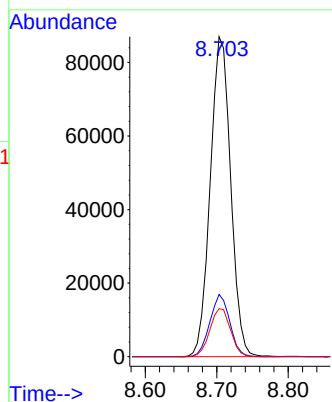
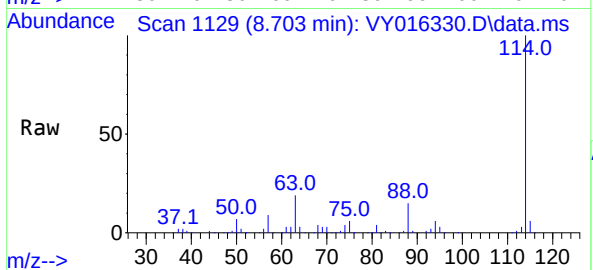




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.703 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VY016330.D
Acq: 13 Nov 2023 18:06

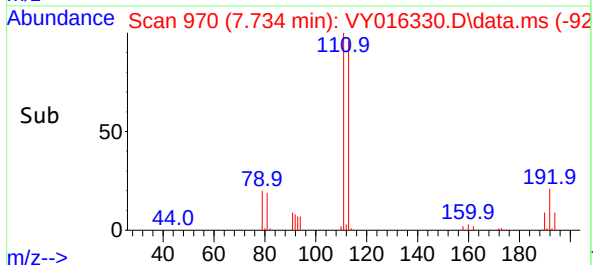
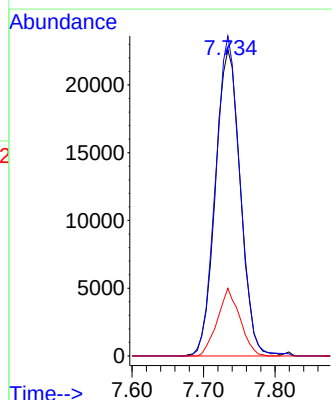
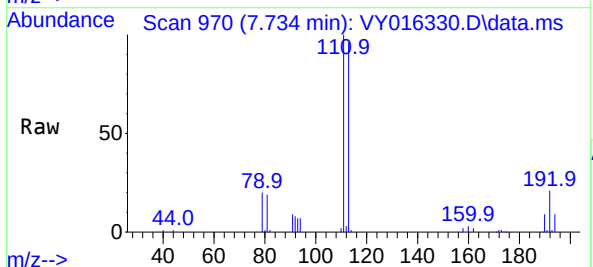
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MSVOA_Y
ClientSampleId :

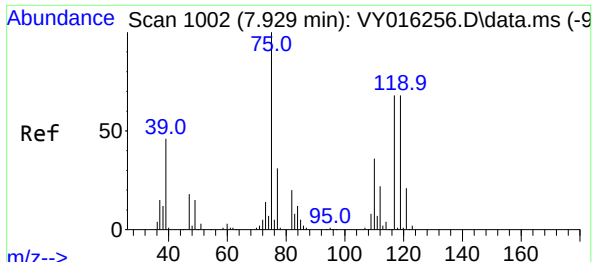
Tgt Ion:114 Resp: 172585
Ion Ratio Lower Upper
114 100
63 19.5 0.0 42.4
88 15.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 55.891 ug/l
RT: 7.734 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY016330.D
Acq: 13 Nov 2023 18:06

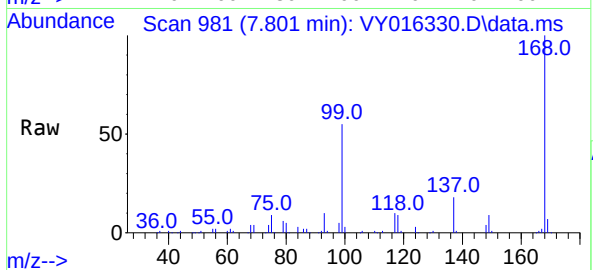
Tgt Ion:113 Resp: 54795
Ion Ratio Lower Upper
113 100
111 102.1 81.3 121.9
192 19.9 16.9 25.3



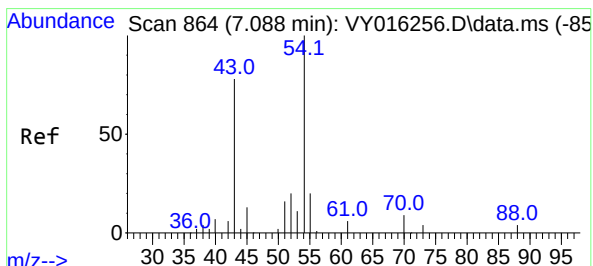
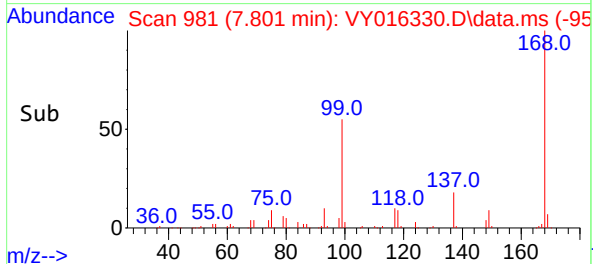
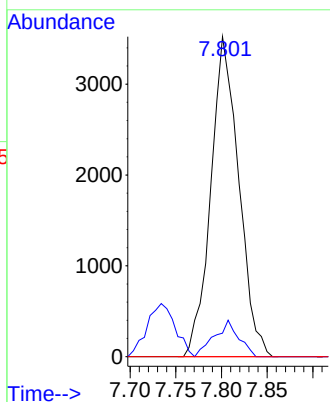


#36
1,1-Dichloropropene
Concen: 4.409 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY016330.D
Acq: 13 Nov 2023 18:06

Instrument :
MSVOA_Y
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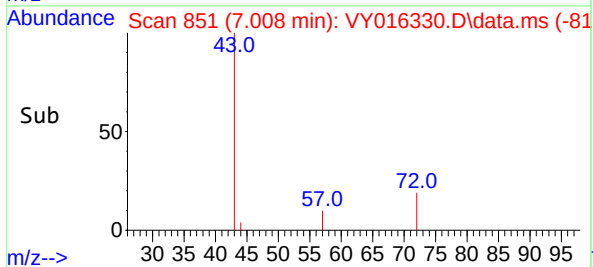
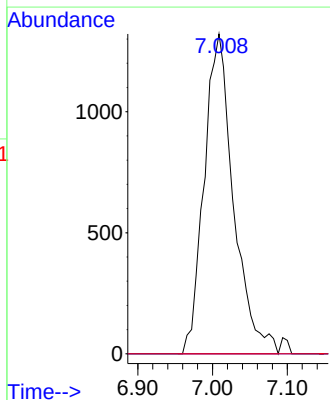
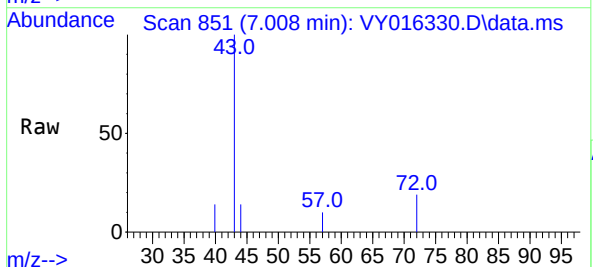


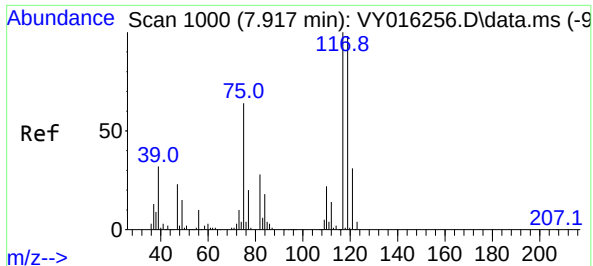
Tgt Ion: 75 Resp: 7506
Ion Ratio Lower Upper
75 100
110 9.8 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 5.254 ug/l
RT: 7.008 min Scan# 851
Delta R.T. -0.080 min
Lab File: VY016330.D
Acq: 13 Nov 2023 18:06

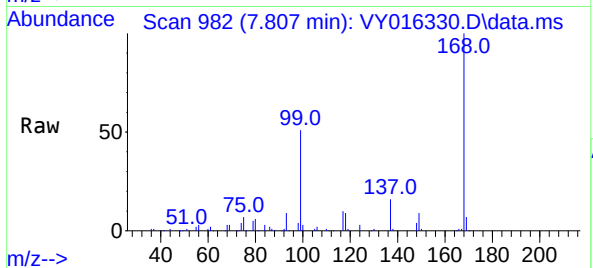
Tgt Ion: 43 Resp: 3614
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.1 10.7#



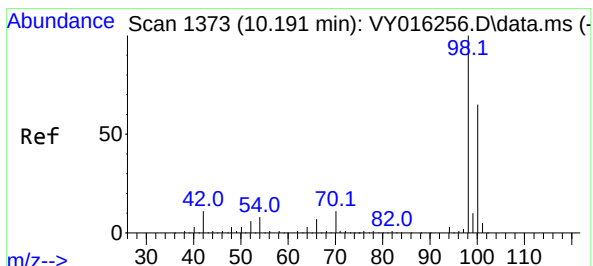
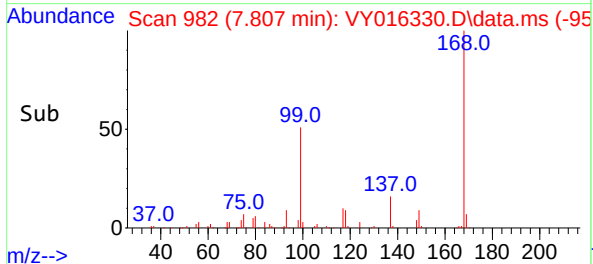
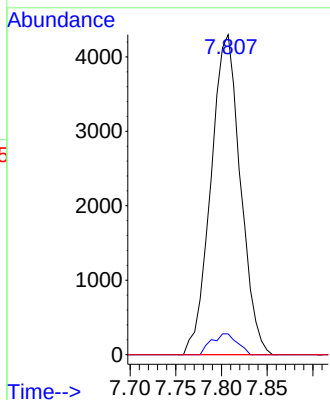


#38
Carbon Tetrachloride
Concen: 5.481 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY016330.D
Acq: 13 Nov 2023 18:06

Instrument :
MSVOA_Y
ClientSampleId :

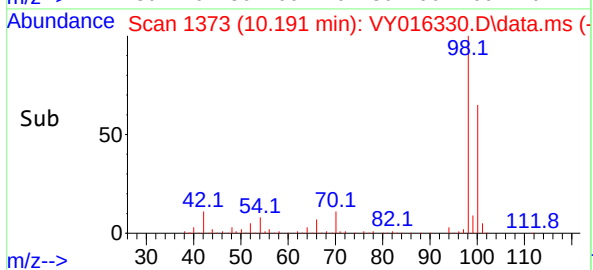
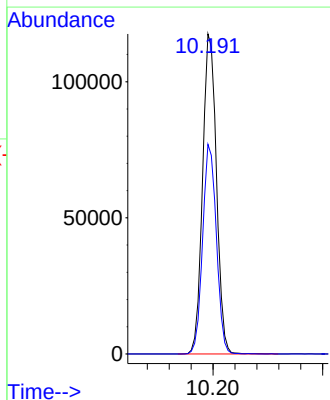
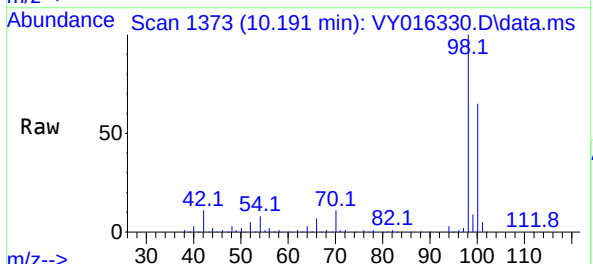


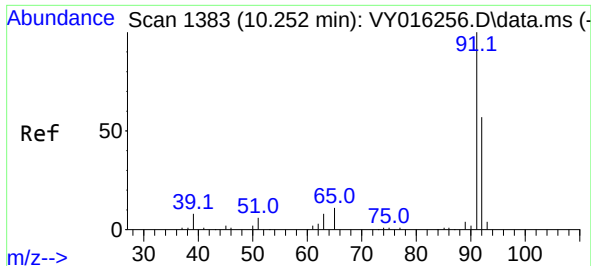
Tgt Ion:117 Resp: 9684
Ion Ratio Lower Upper
117 100
119 6.5 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 51.648 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. -0.000 min
Lab File: VY016330.D
Acq: 13 Nov 2023 18:06

Tgt Ion: 98 Resp: 205338
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1

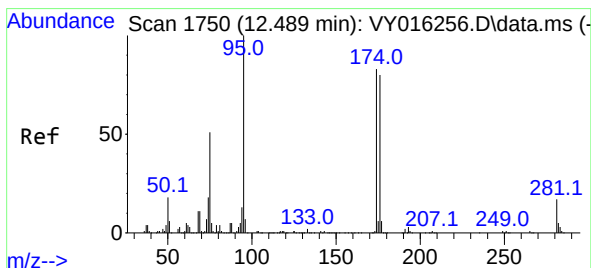
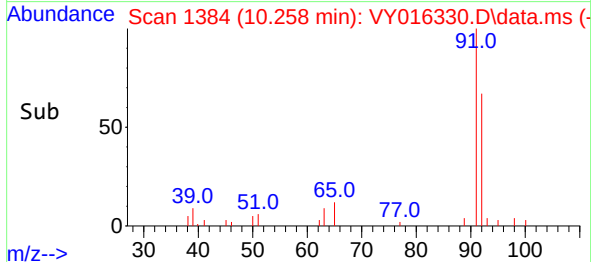
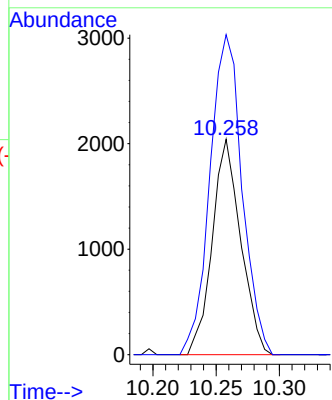
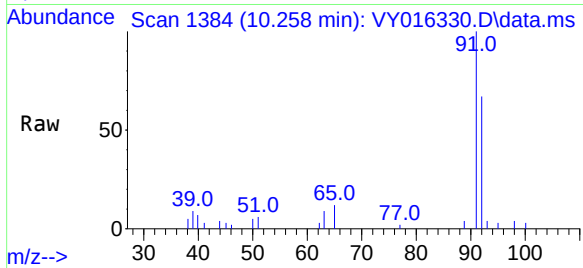




#52
Toluene
Concen: 1.058 ug/l
RT: 10.258 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016330.D
Acq: 13 Nov 2023 18:06

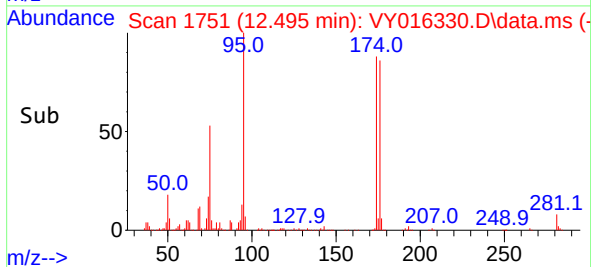
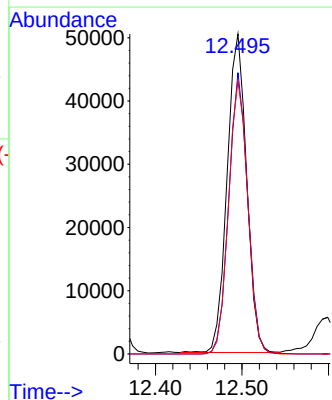
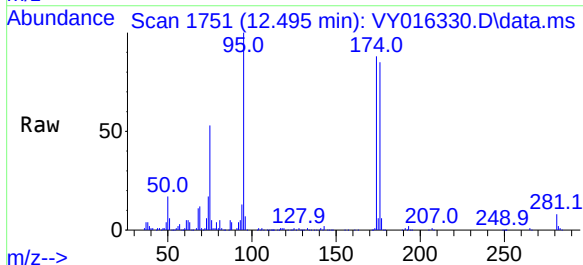
Instrument :
MSVOA_Y
ClientSampleId :

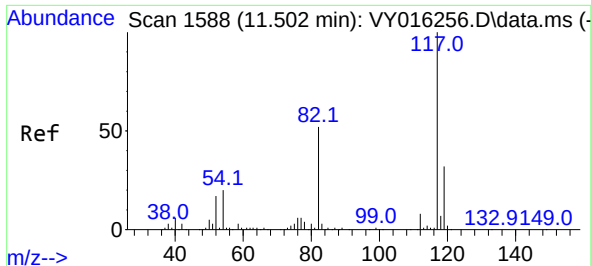
Tgt Ion: 92 Resp: 3199
Ion Ratio Lower Upper
92 100
91 167.8 143.8 215.6



#62
4-Bromofluorobenzene
Concen: 60.994 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016330.D
Acq: 13 Nov 2023 18:06

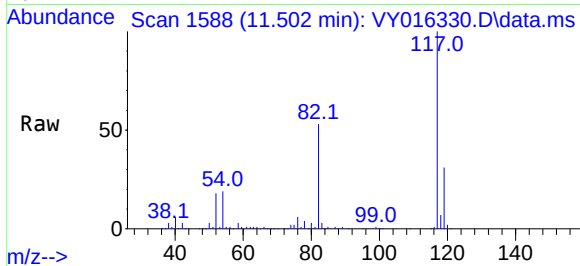
Tgt Ion: 95 Resp: 78758
Ion Ratio Lower Upper
95 100
174 85.4 0.0 178.2
176 84.5 0.0 173.8



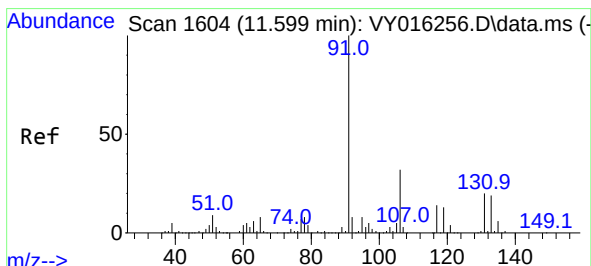
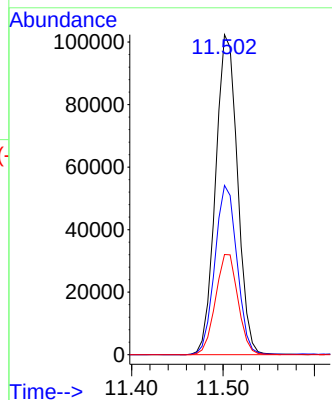
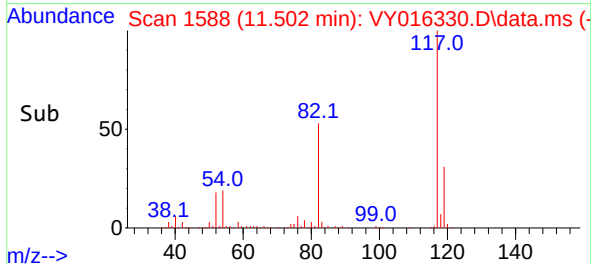


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016330.D
Acq: 13 Nov 2023 18:06

Instrument :
MSVOA_Y
ClientSampleId :

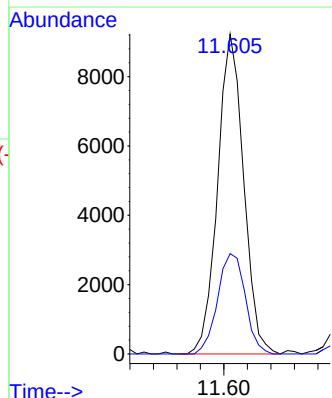
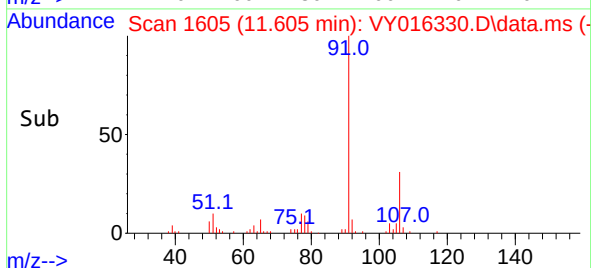
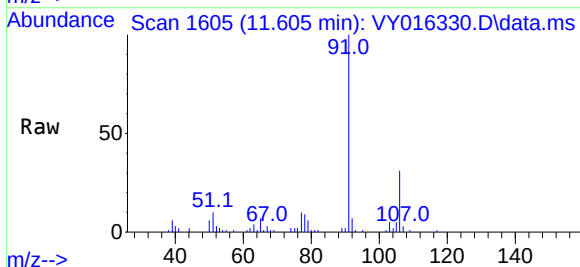


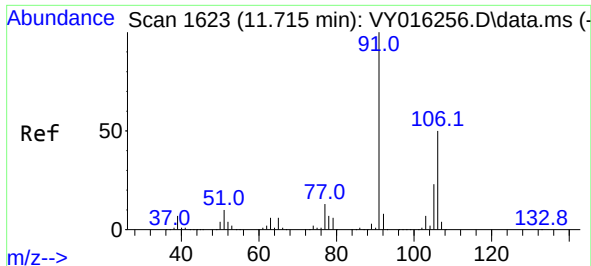
Tgt Ion:117 Resp: 170879
Ion Ratio Lower Upper
117 100
82 52.9 43.4 65.0
119 31.3 26.3 39.5



#67
Ethyl Benzene
Concen: 2.159 ug/l
RT: 11.605 min Scan# 1605
Delta R.T. 0.006 min
Lab File: VY016330.D
Acq: 13 Nov 2023 18:06

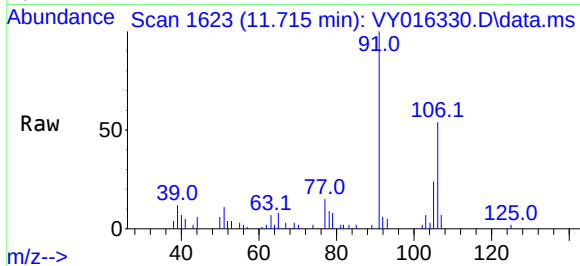
Tgt Ion: 91 Resp: 14168
Ion Ratio Lower Upper
91 100
106 31.3 24.6 36.8



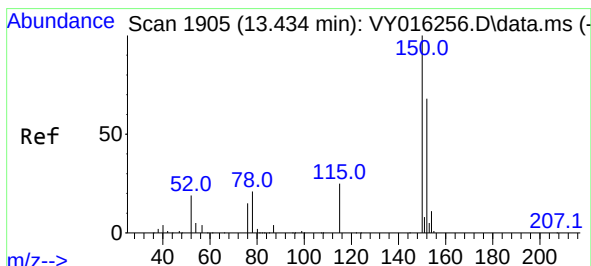
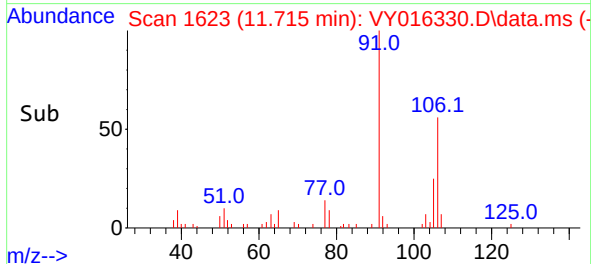
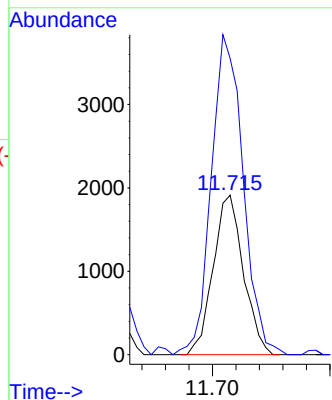


#68
m/p-Xylenes
Concen: 1.374 ug/l
RT: 11.715 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016330.D
Acq: 13 Nov 2023 18:06

Instrument :
MSVOA_Y
ClientSampleId :

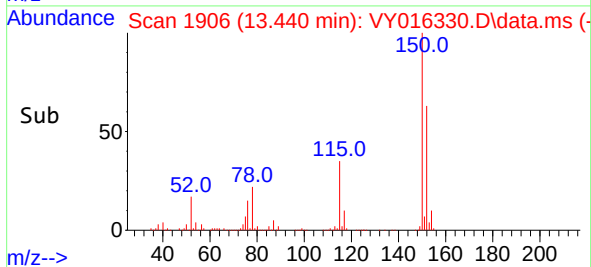
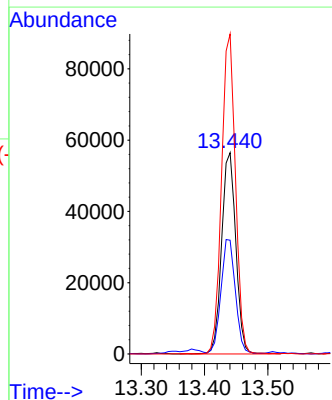
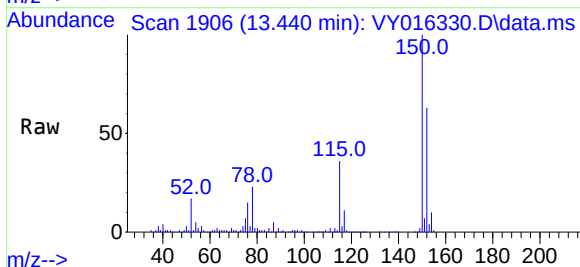


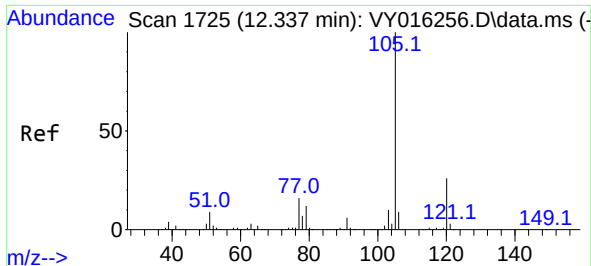
Tgt Ion:106 Resp: 3420
Ion Ratio Lower Upper
106 100
91 211.1 166.1 249.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. 0.006 min
Lab File: VY016330.D
Acq: 13 Nov 2023 18:06

Tgt Ion:152 Resp: 87676
Ion Ratio Lower Upper
152 100
115 57.3 28.8 86.5
150 155.5 0.0 348.8

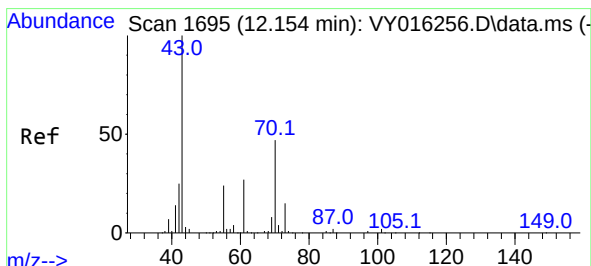
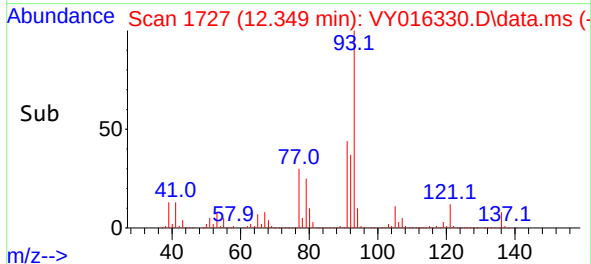
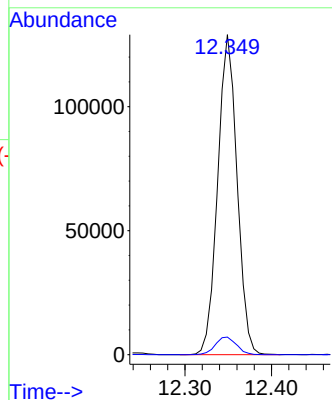
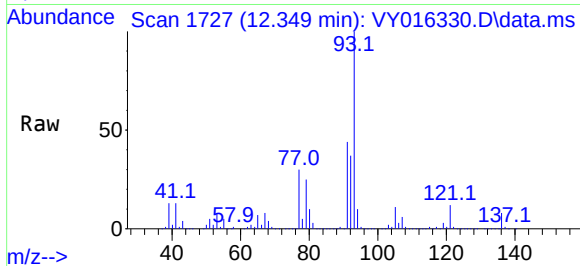




#73
Isopropylbenzene
Concen: 28.239 ug/l
RT: 12.349 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY016330.D
Acq: 13 Nov 2023 18:06

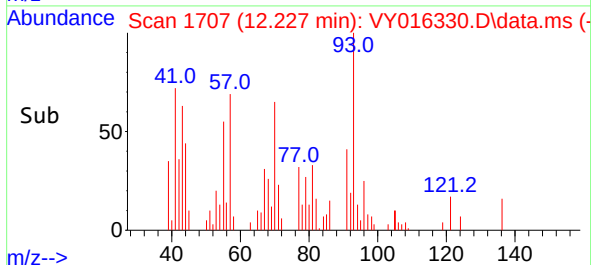
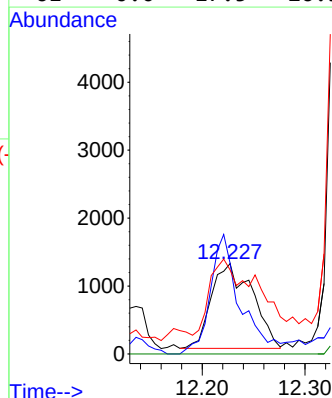
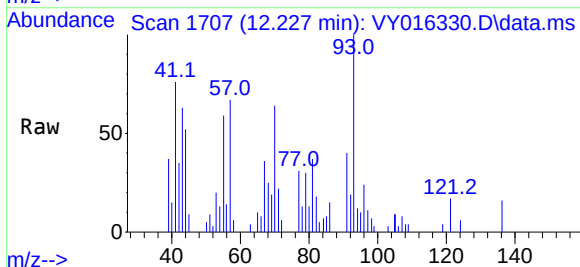
Instrument :
MSVOA_Y
ClientSampleId :

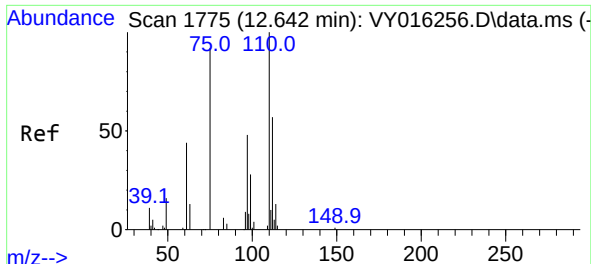
Tgt Ion:105 Resp: 200494
Ion Ratio Lower Upper
105 100
120 6.0 13.3 39.9#



#74
N-ethyl acetate
Concen: 2.425 ug/l
RT: 12.227 min Scan# 1707
Delta R.T. 0.073 min
Lab File: VY016330.D
Acq: 13 Nov 2023 18:06

Tgt Ion: 43 Resp: 3458
Ion Ratio Lower Upper
43 100
70 102.7 29.7 44.5#
55 106.4 18.3 27.5#
61 0.0 17.5 26.3#

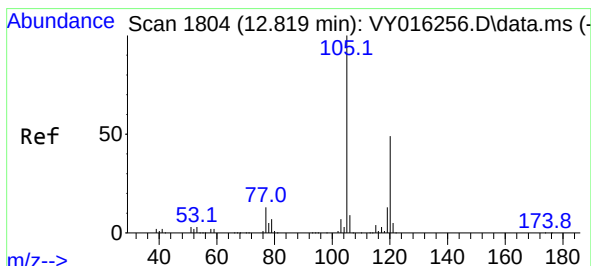
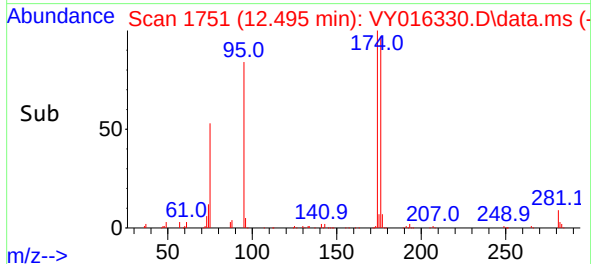
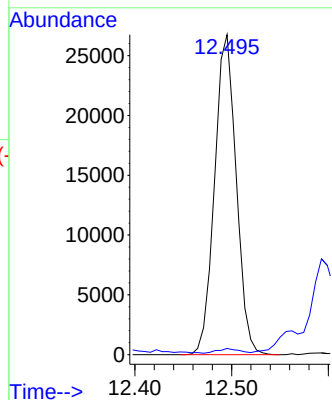
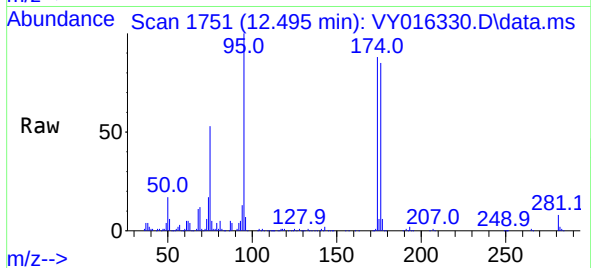




#76
1,2,3-Trichloropropane
Concen: 49.375 ug/l
RT: 12.495 min Scan# 11
Delta R.T. -0.147 min
Lab File: VY016330.D
Acq: 13 Nov 2023 18:06

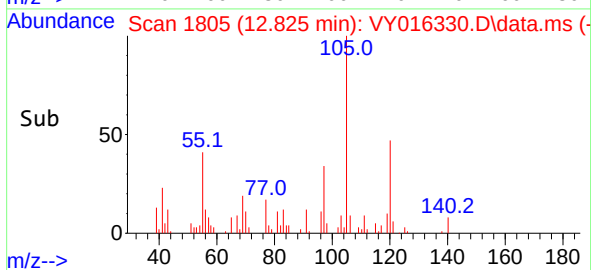
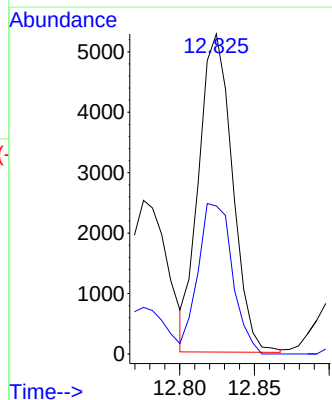
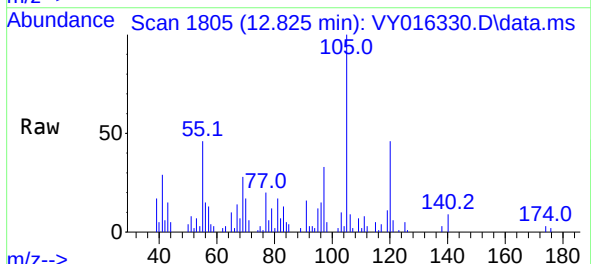
Instrument :
MSVOA_Y
ClientSampleId :

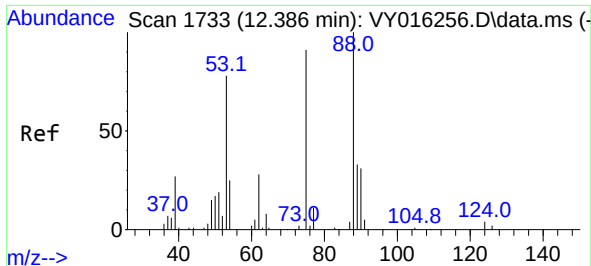
Tgt Ion: 75 Resp: 41528
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#80
1,3,5-Trimethylbenzene
Concen: 1.437 ug/l
RT: 12.825 min Scan# 1805
Delta R.T. 0.006 min
Lab File: VY016330.D
Acq: 13 Nov 2023 18:06

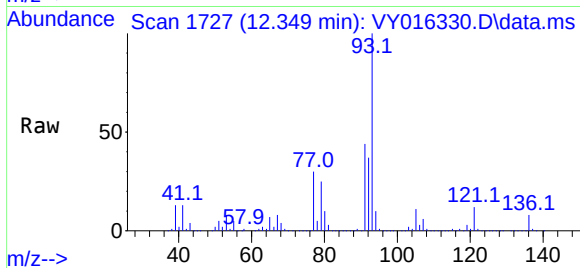
Tgt Ion:105 Resp: 8227
Ion Ratio Lower Upper
105 100
120 48.4 23.9 71.7



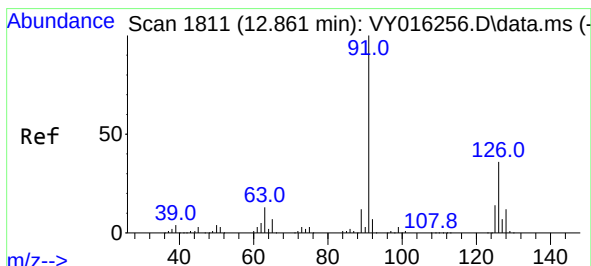
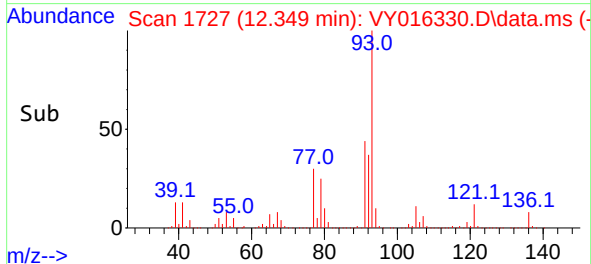
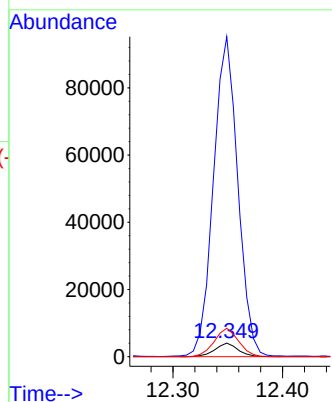


#81
trans-1,4-Dichloro-2-butene
Concen: 15.208 ug/l
RT: 12.349 min Scan# 11
Delta R.T. -0.037 min
Lab File: VY016330.D
Acq: 13 Nov 2023 18:06

Instrument :
MSVOA_Y
ClientSampleId :

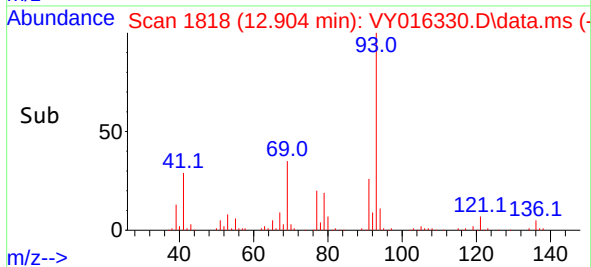
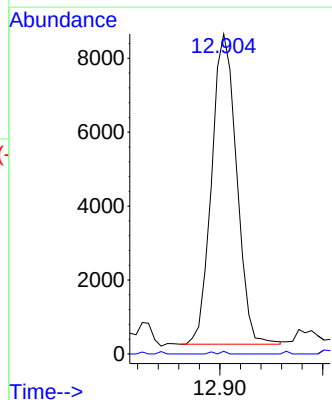
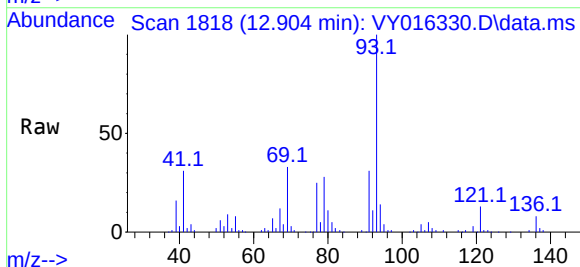


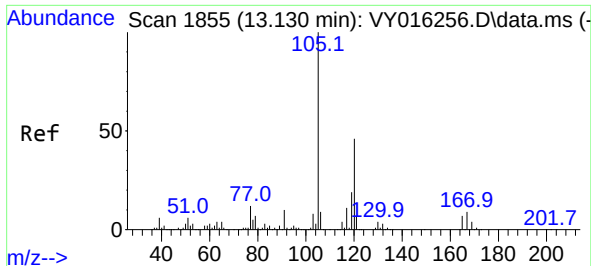
Tgt Ion: 75 Resp: 5893
Ion Ratio Lower Upper
75 100
53 2495.7 77.8 116.8#
89 222.6 37.4 56.0#



#82
4-Chlorotoluene
Concen: 2.967 ug/l
RT: 12.904 min Scan# 1818
Delta R.T. 0.042 min
Lab File: VY016330.D
Acq: 13 Nov 2023 18:06

Tgt Ion: 91 Resp: 14178
Ion Ratio Lower Upper
91 100
126 0.1 17.2 51.6#

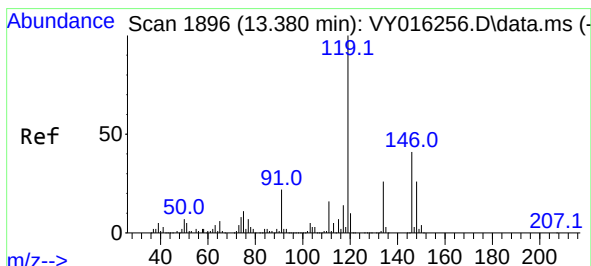
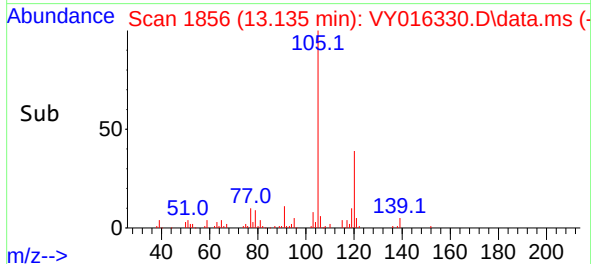
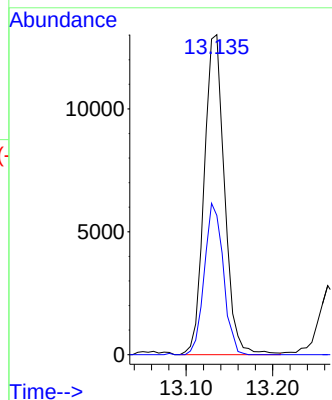
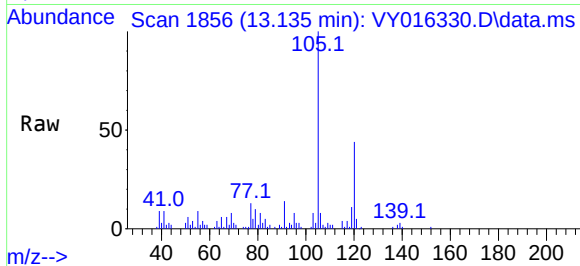




#84
1,2,4-Trimethylbenzene
Concen: 3.767 ug/l
RT: 13.135 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VY016330.D
Acq: 13 Nov 2023 18:06

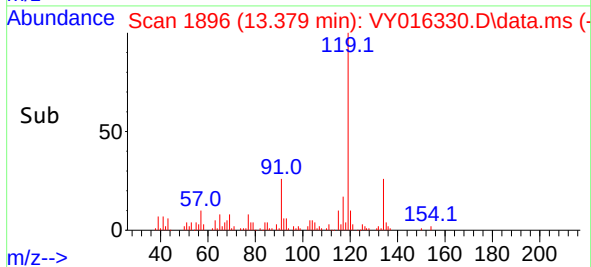
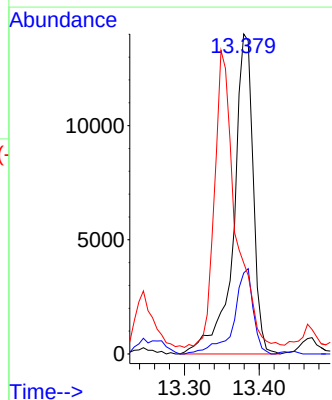
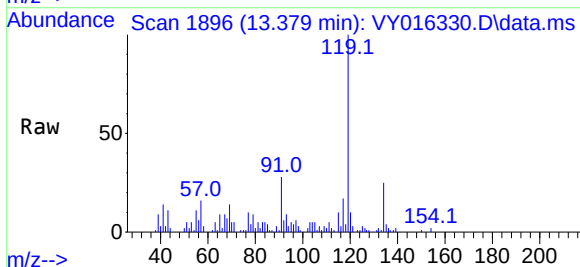
Instrument :
MSVOA_Y
ClientSampleId :

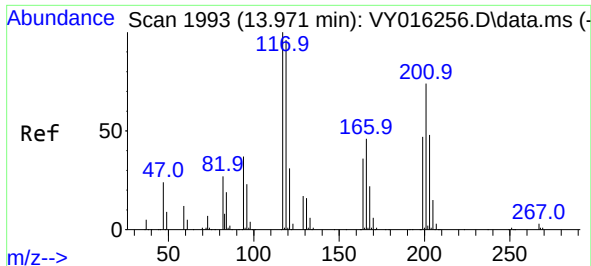
Tgt Ion:105 Resp: 21235
Ion Ratio Lower Upper
105 100
120 44.0 22.2 66.6



#86
p-Isopropyltoluene
Concen: 4.114 ug/l
RT: 13.379 min Scan# 1896
Delta R.T. -0.000 min
Lab File: VY016330.D
Acq: 13 Nov 2023 18:06

Tgt Ion:119 Resp: 25515
Ion Ratio Lower Upper
119 100
134 26.5 13.3 39.8
91 0.0 12.4 37.4#

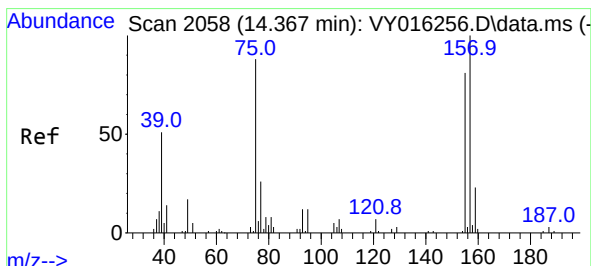
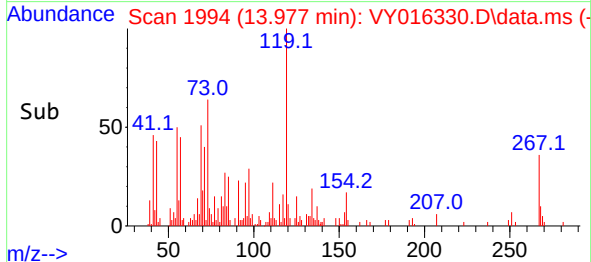
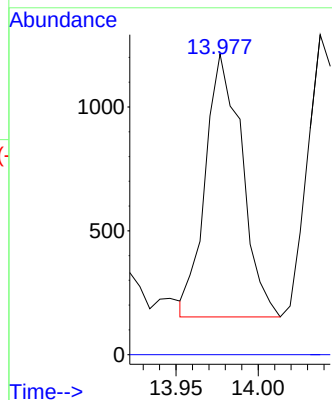
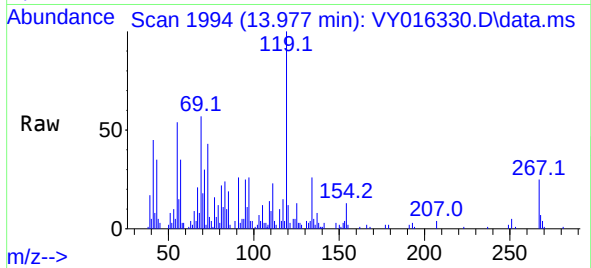




#90
Hexachloroethane
Concen: 1.374 ug/l
RT: 13.977 min Scan# 1993
Delta R.T. 0.006 min
Lab File: VY016330.D
Acq: 13 Nov 2023 18:06

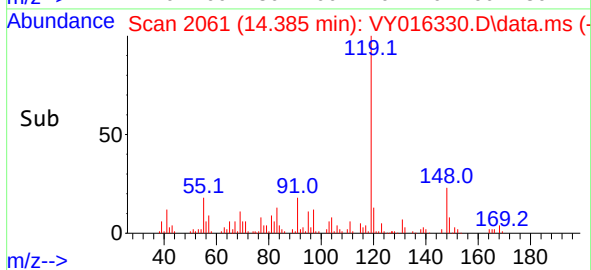
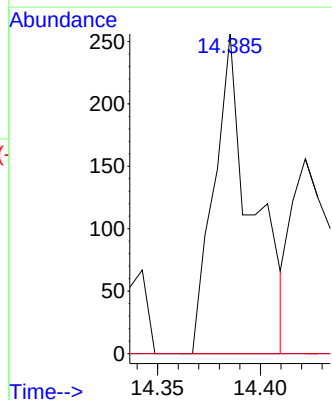
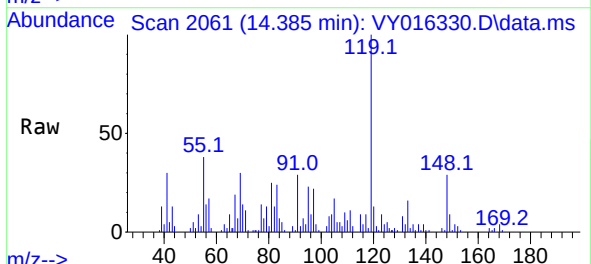
Instrument :
MSVOA_Y
ClientSampleId :

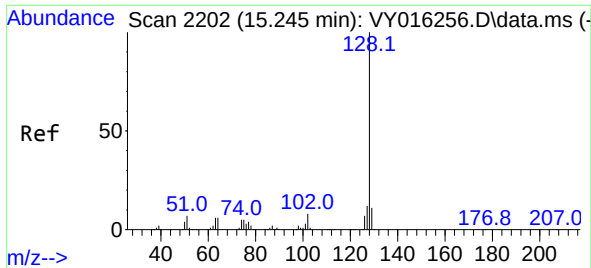
Tgt Ion:117 Resp: 1644
Ion Ratio Lower Upper
117 100
201 0.0 41.6 124.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.832 ug/l
RT: 14.385 min Scan# 2061
Delta R.T. 0.018 min
Lab File: VY016330.D
Acq: 13 Nov 2023 18:06

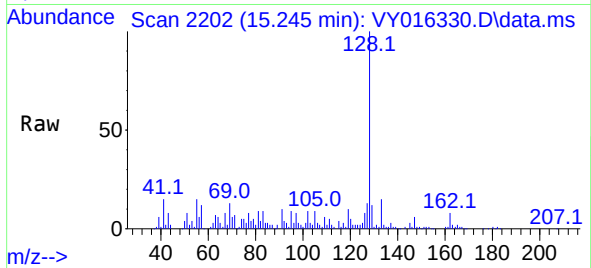
Tgt Ion: 75 Resp: 332
Ion Ratio Lower Upper
75 100
155 0.0 41.5 124.6#
157 0.0 51.8 155.5#





#95
Naphthalene
Concen: 22.769 ug/l
RT: 15.245 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY016330.D
Acq: 13 Nov 2023 18:06

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 62882
Ion Ratio Lower Upper
128 100
127 14.3 10.8 16.2
129 16.1 8.6 13.0#

