

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091721\
 Data File : VY006084.D
 Acq On : 17 Sep 2021 20:38
 Operator : SY/MD
 Sample : M3797-07
 Misc : 5.06G/5ML/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 26240

Quant Time: Sep 20 01:45:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 15 05:01:47 2021
 Response via : Initial Calibration

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

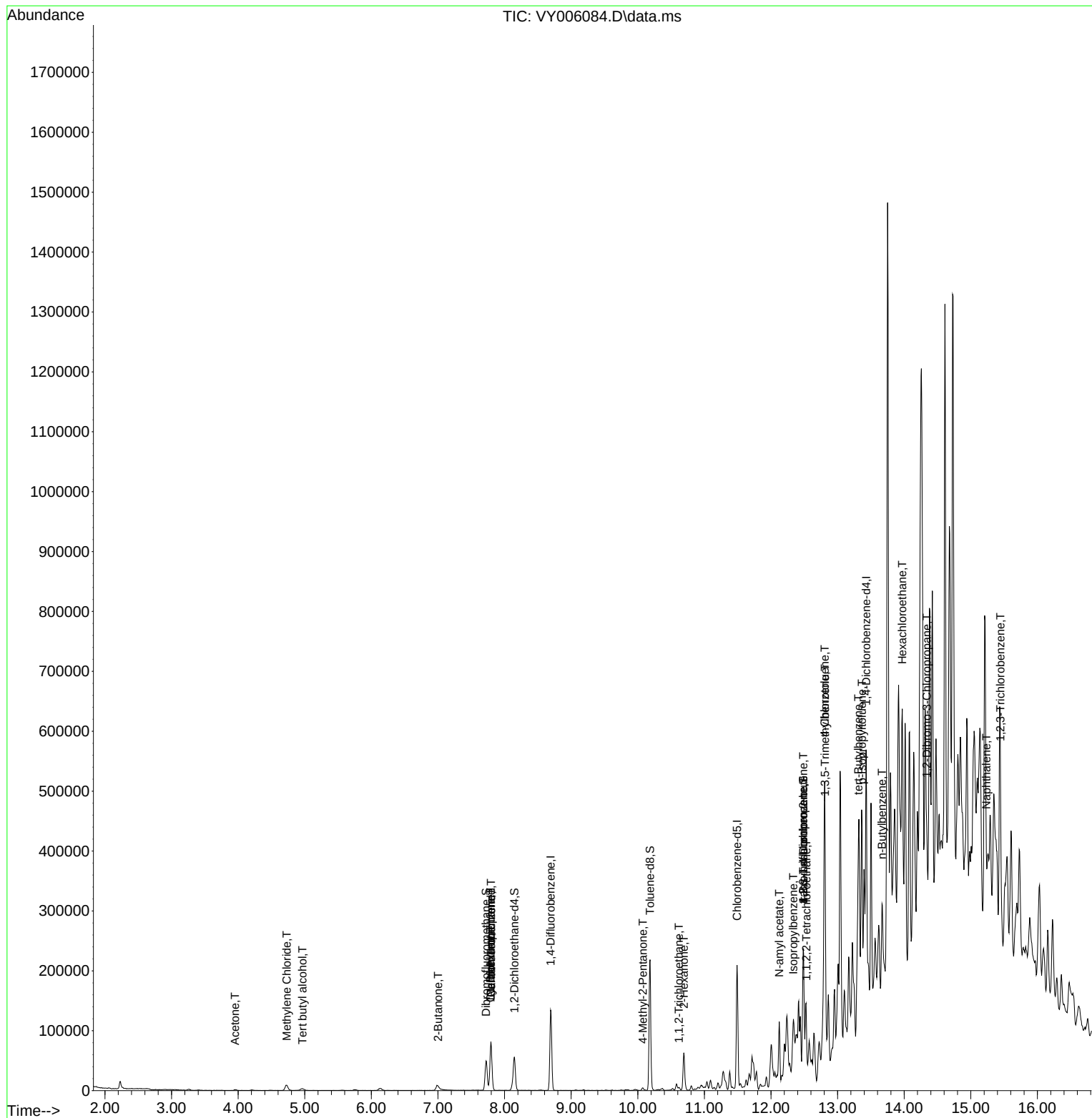
Internal Standards						
1) Pentafluorobenzene	7.795	168	60014	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	107628	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	106864	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	39647	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	43127	51.734	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.460%	
35) Dibromofluoromethane	7.722	113	33142	49.577	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.160%	
50) Toluene-d8	10.185	98	136592	47.941	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.880%	
62) 4-Bromofluorobenzene	12.483	95	47822	49.437	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 98.880%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	6597	11.940	ug/l	100
16) Acetone	3.954	43	2417	10.571	ug/l	99
20) Methylene Chloride	4.729	84	6288	4.593	ug/l #	83
25) 2-Butanone	7.003	43	722	2.291	ug/l #	54
31) Cyclohexane	7.789	56	1344	1.006	ug/l #	39
36) 1,1-Dichloropropene	7.789	75	5151	4.434	ug/l #	49
38) Carbon Tetrachloride	7.795	117	6128	4.846	ug/l #	16
51) 4-Methyl-2-Pentanone	10.075	43	3238	4.063	ug/l #	87
55) 1,1,2-Trichloroethane	10.618	97	1741	2.840	ug/l #	20
59) 2-Hexanone	10.691	43	41210	74.908	ug/l	77
73) Isopropylbenzene	12.337	105	3159	1.018	ug/l #	55
74) N-amyl acetate	12.124	43	23197	21.637	ug/l #	64
75) 1,1,2,2-Tetrachloroethane	12.532	83	3351	5.801	ug/l #	93
76) 1,2,3-Trichloropropane	12.483	75	27171	64.278	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.813	105	12922	5.019	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.483	75	27171	118.175	ug/l #	8
82) 4-Chlorotoluene	12.806	91	2361	1.094	ug/l	85
83) tert-Butylbenzene	13.312	119	17165	7.794	ug/l #	67
86) p-Isopropyltoluene	13.367	119	17200	6.111	ug/l	97
89) n-Butylbenzene	13.666	91	16649	6.326	ug/l #	1
90) Hexachloroethane	13.971	117	6614	13.059	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.337	75	270	2.356	ug/l #	6
95) Naphthalene	15.233	128	7019	4.431	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.446	180	4636	6.717	ug/l #	1

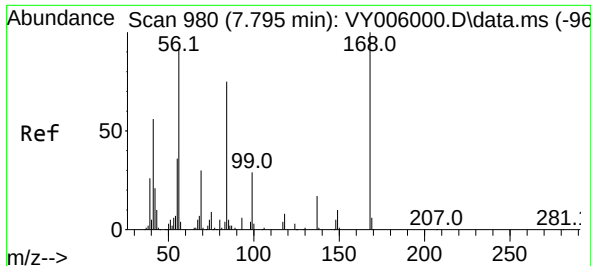
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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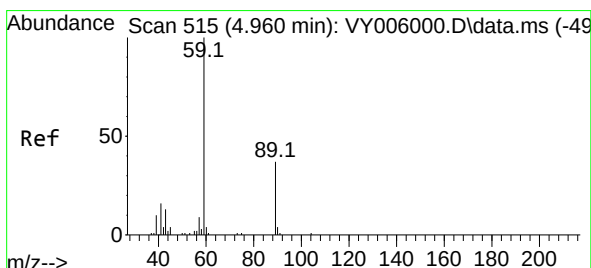
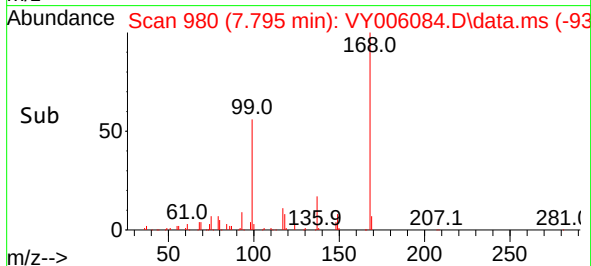
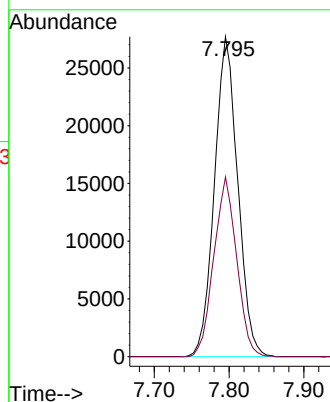
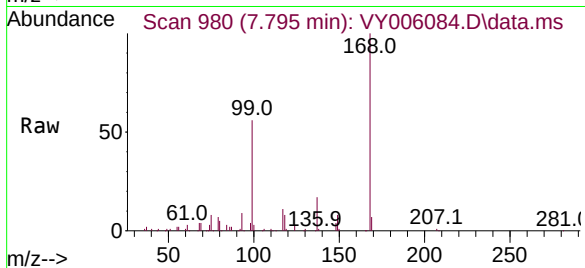




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY006084.D
Acq: 17 Sep 2021 20:38

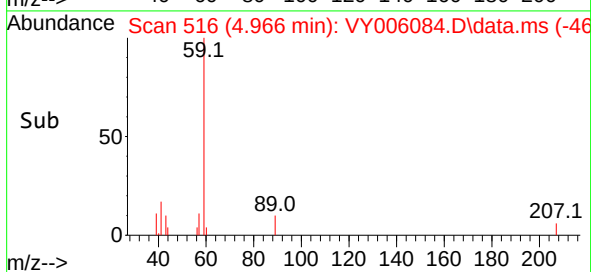
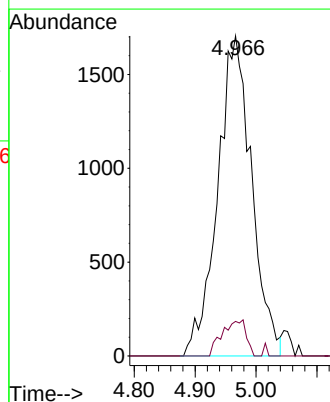
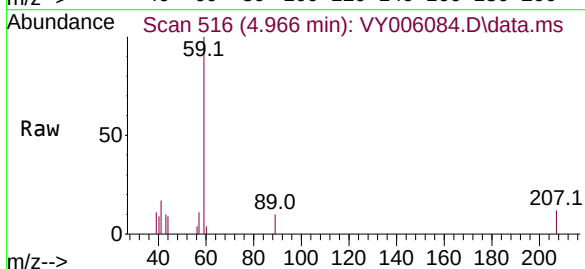
Instrument :
MSVOA_Y
ClientSampled :
26240

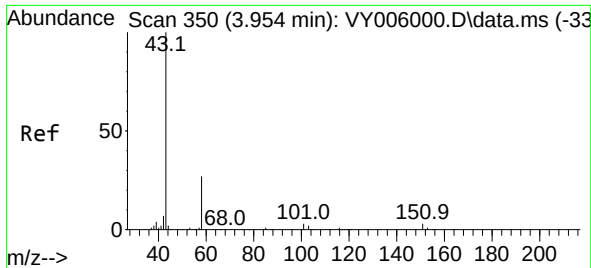
Tgt Ion:168 Resp: 60014
Ion Ratio Lower Upper
168 100
99 56.2 46.9 70.3



#11
Tert butyl alcohol
Concen: 11.940 ug/l
RT: 4.966 min Scan# 516
Delta R.T. 0.006 min
Lab File: VY006084.D
Acq: 17 Sep 2021 20:38

Tgt Ion: 59 Resp: 6597
Ion Ratio Lower Upper
59 100
57 7.9 6.4 9.6

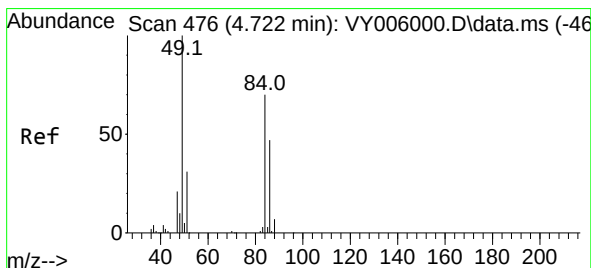
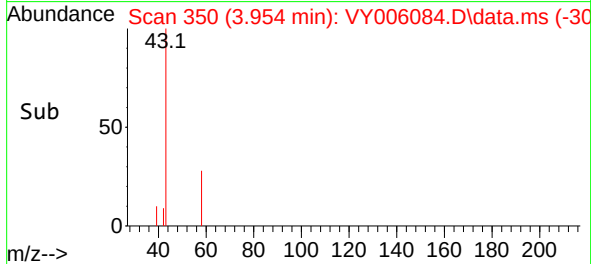
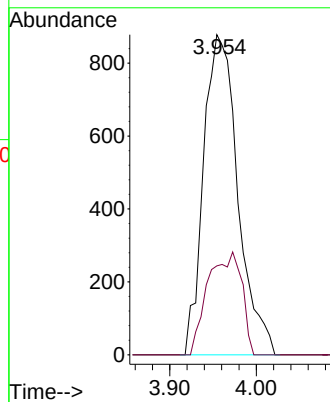
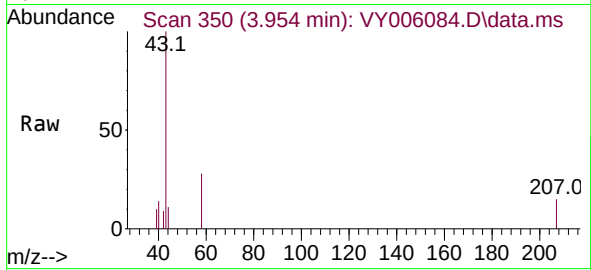




#16
Acetone
Concen: 10.571 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY006084.D
Acq: 17 Sep 2021 20:38

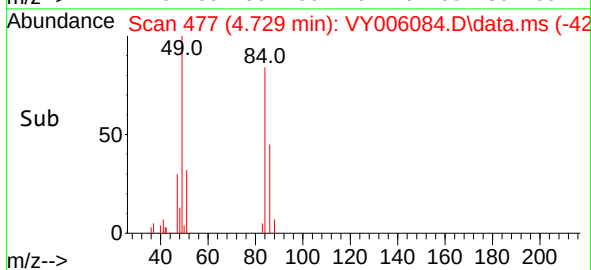
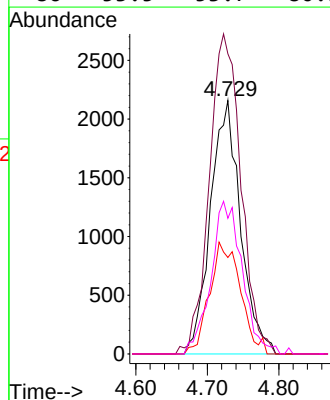
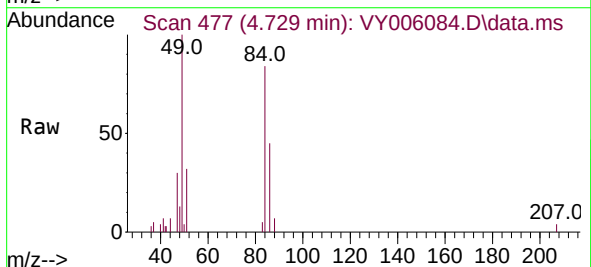
Instrument :
MSVOA_Y
ClientSampled :
26240

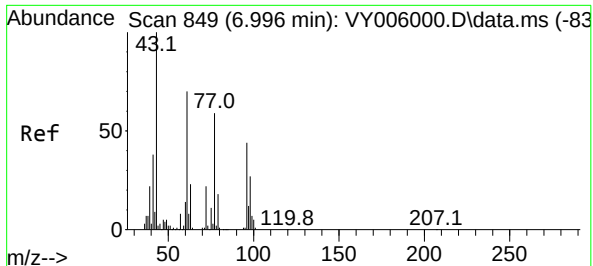
Tgt Ion: 43 Resp: 2417
Ion Ratio Lower Upper
43 100
58 27.8 22.0 33.0



#20
Methylene Chloride
Concen: 4.593 ug/l
RT: 4.729 min Scan# 477
Delta R.T. 0.007 min
Lab File: VY006084.D
Acq: 17 Sep 2021 20:38

Tgt Ion: 84 Resp: 6288
Ion Ratio Lower Upper
84 100
49 118.4 114.4 171.6
51 38.0 35.3 52.9
86 53.5 53.7 80.5#





#25

2-Butanone

Concen: 2.291 ug/l

RT: 7.003 min Scan# 850

Delta R.T. 0.006 min

Lab File: VY006084.D

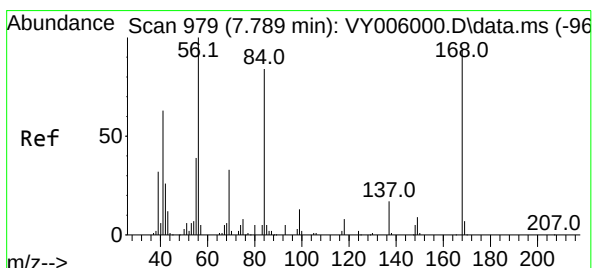
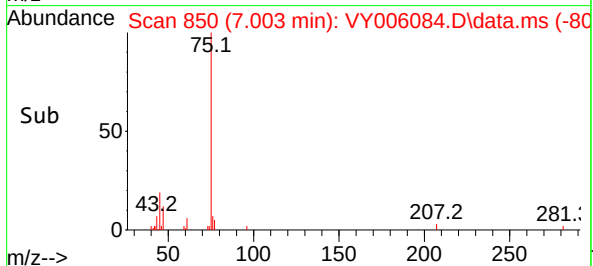
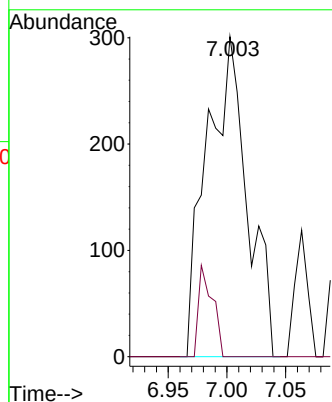
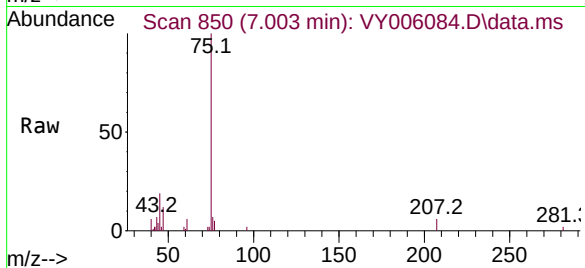
Acq: 17 Sep 2021 20:38

Tgt Ion: 43 Resp: 722

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: 1.006 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.000 min

Lab File: VY006084.D

Acq: 17 Sep 2021 20:38

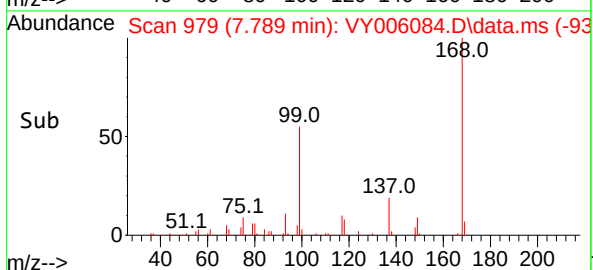
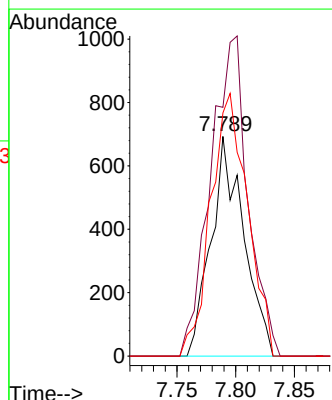
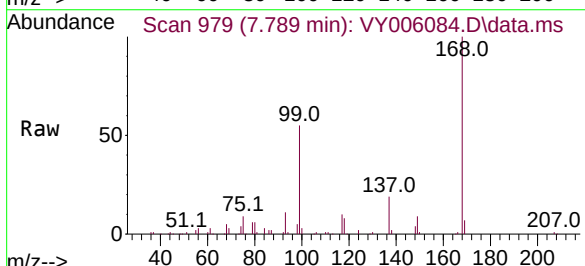
Tgt Ion: 56 Resp: 1344

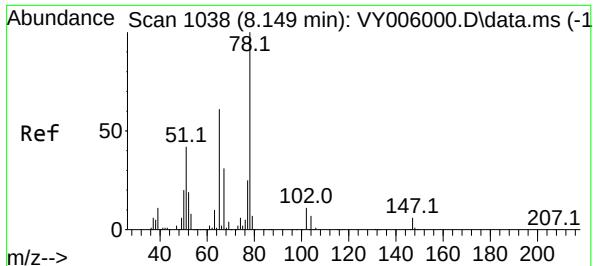
Ion Ratio Lower Upper

56 100

69 113.3 26.7 40.1#

84 110.7 67.2 100.8#

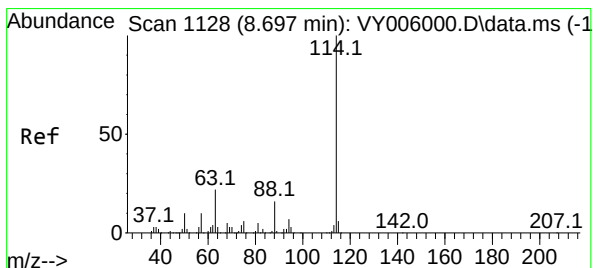
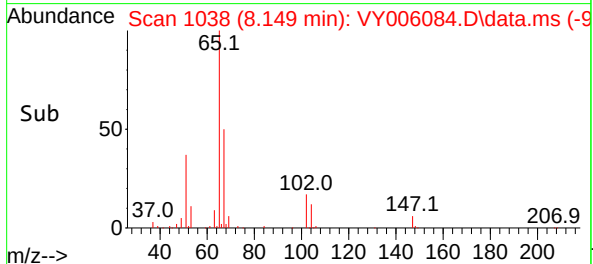
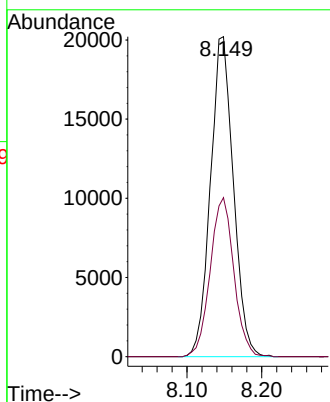
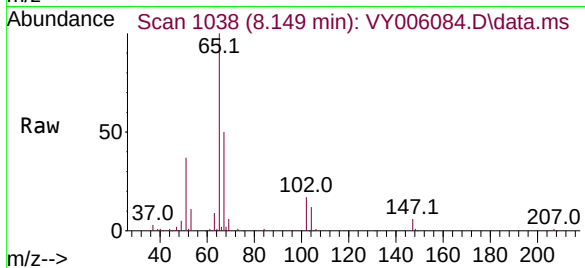




#33
 1,2-Dichloroethane-d4
 Concen: 51.734 ug/l
 RT: 8.149 min Scan# 1038
 Delta R.T. 0.000 min
 Lab File: VY006084.D
 Acq: 17 Sep 2021 20:38

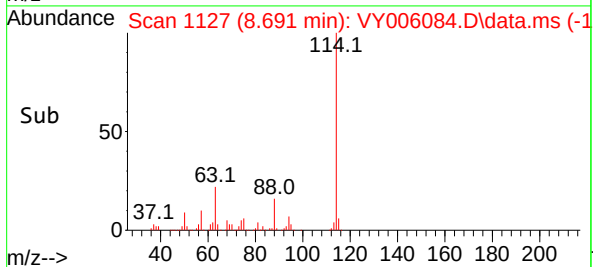
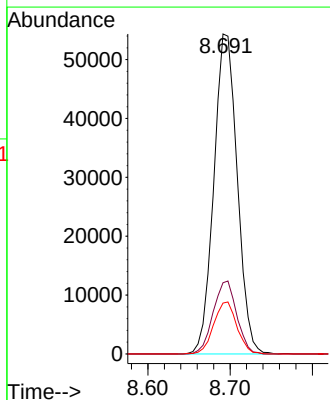
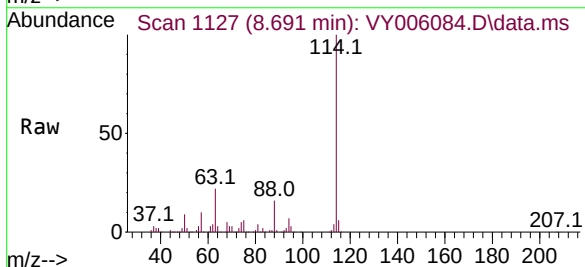
Instrument :
 MSVOA_Y
 ClientSampled :
 26240

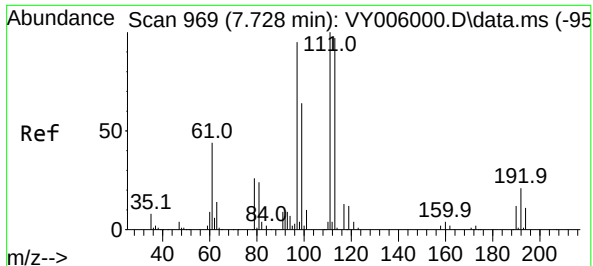
Tgt Ion: 65 Resp: 43127
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. -0.006 min
 Lab File: VY006084.D
 Acq: 17 Sep 2021 20:38

Tgt Ion: 114 Resp: 107628
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.2
 88 15.9 0.0 31.8

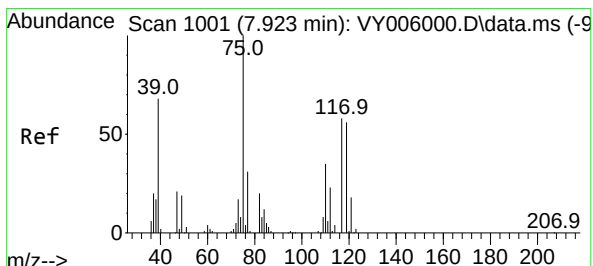
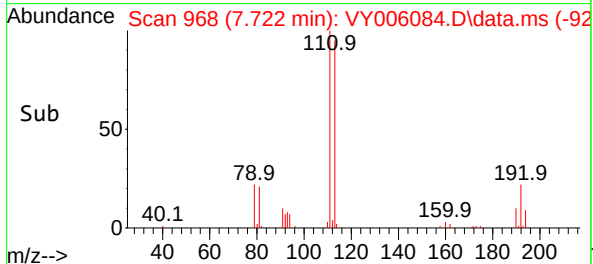
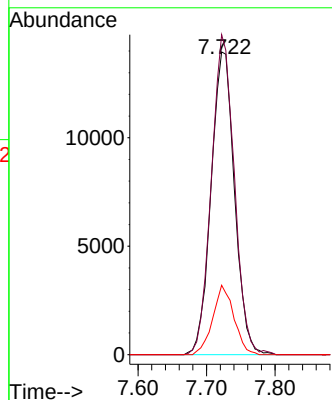
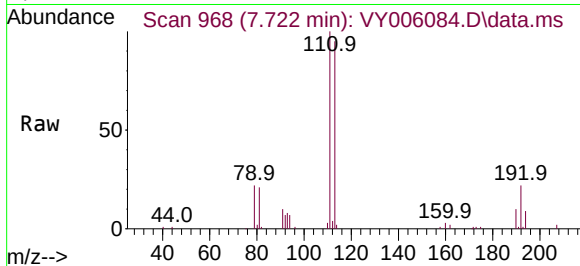




#35
Dibromofluoromethane
Concen: 49.577 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY006084.D
Acq: 17 Sep 2021 20:38

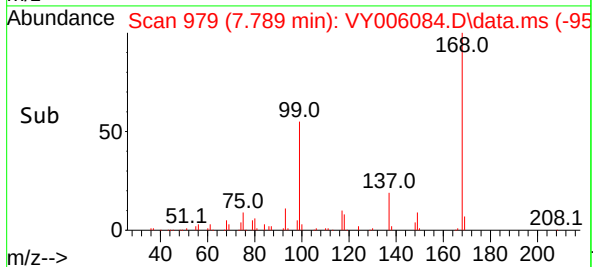
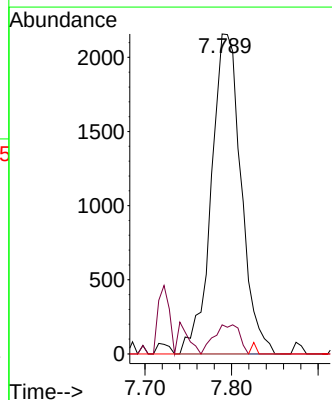
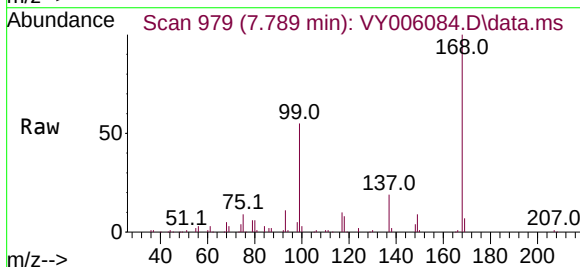
Instrument :
MSVOA_Y
ClientSampled :
26240

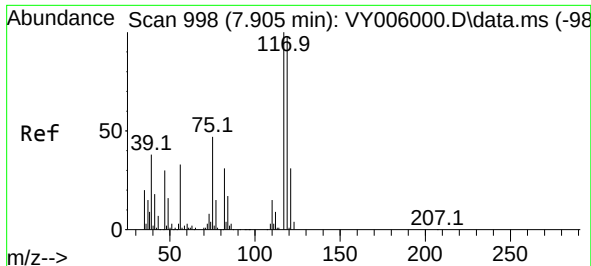
Tgt Ion:	113	Resp:	33142
Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.6	124.0
192	20.7	17.6	26.4



#36
1,1-Dichloropropene
Concen: 4.434 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY006084.D
Acq: 17 Sep 2021 20:38

Tgt Ion:	75	Resp:	5151
Ion	Ratio	Lower	Upper
75	100		
110	7.8	17.1	51.2#
77	0.0	24.4	36.6#

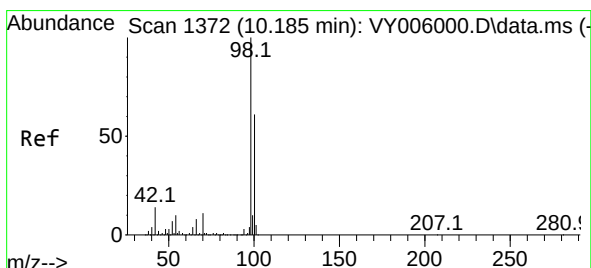
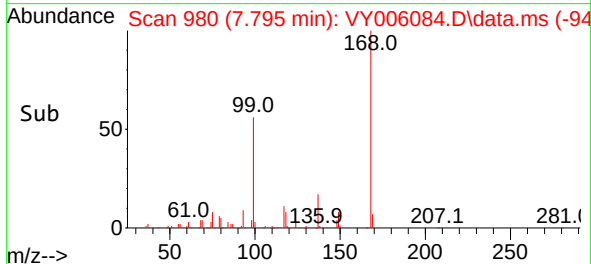
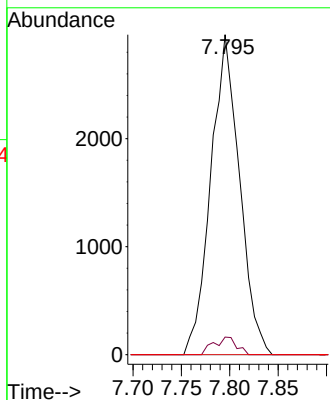
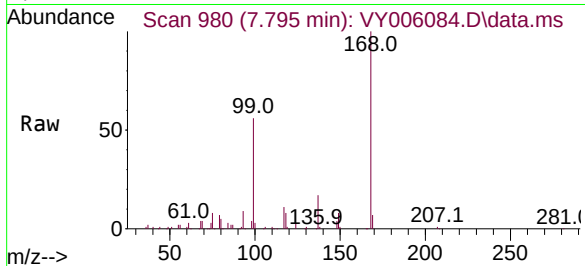




#38
Carbon Tetrachloride
Concen: 4.846 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY006084.D
Acq: 17 Sep 2021 20:38

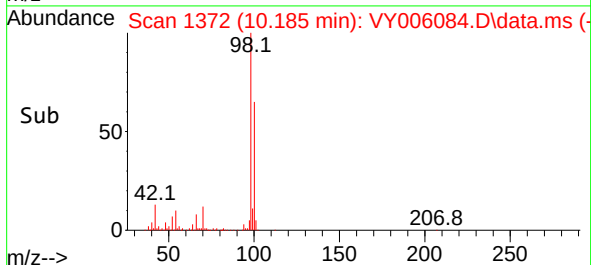
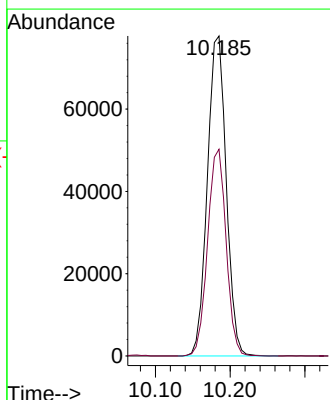
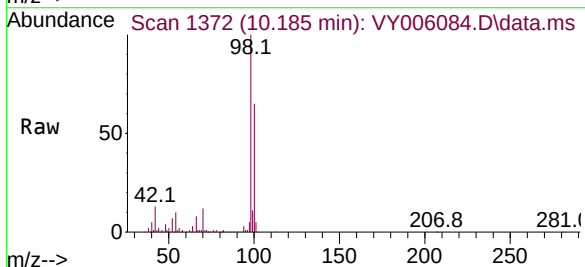
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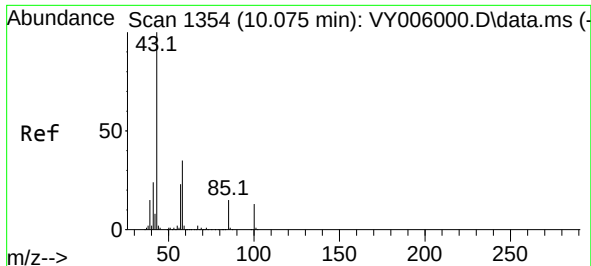
Tgt Ion:117 Resp: 6128
Ion Ratio Lower Upper
117 100
119 5.5 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 47.941 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY006084.D
Acq: 17 Sep 2021 20:38

Tgt Ion: 98 Resp: 136592
Ion Ratio Lower Upper
98 100
100 63.5 50.2 75.2

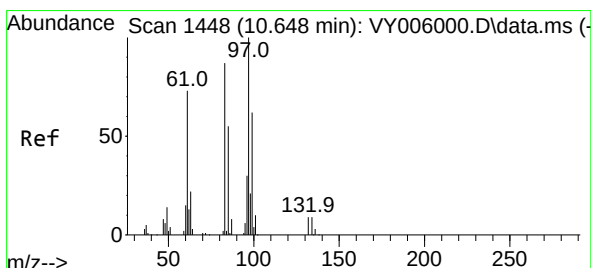
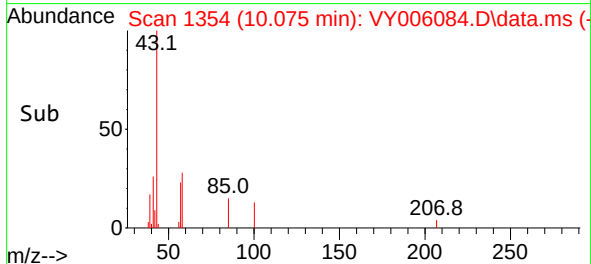
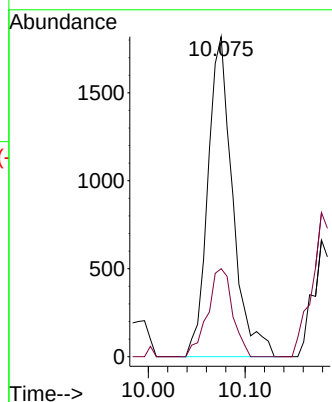
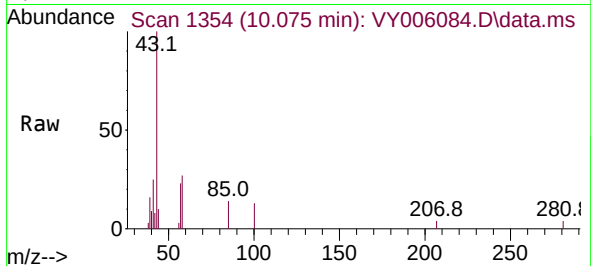




#51
4-Methyl-2-Pentanone
Concen: 4.063 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.000 min
Lab File: VY006084.D
Acq: 17 Sep 2021 20:38

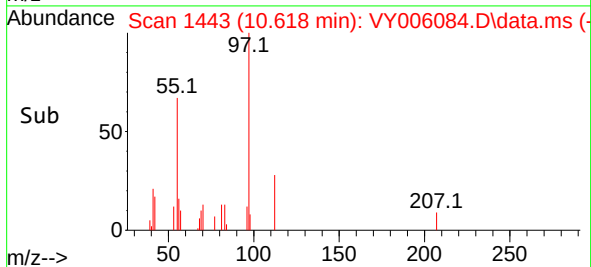
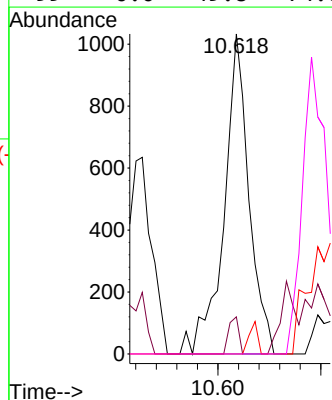
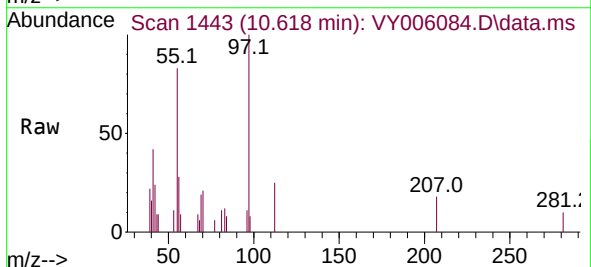
Instrument :
MSVOA_Y
ClientSampled :
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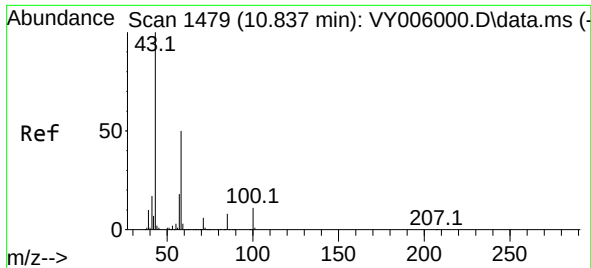
Tgt Ion: 43 Resp: 3238
Ion Ratio Lower Upper
43 100
58 27.7 28.1 42.1#



#55
1,1,2-Trichloroethane
Concen: 2.840 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.030 min
Lab File: VY006084.D
Acq: 17 Sep 2021 20:38

Tgt Ion: 97 Resp: 1741
Ion Ratio Lower Upper
97 100
83 11.6 69.8 104.8#
85 0.0 44.3 66.5#
99 0.0 49.8 74.6#

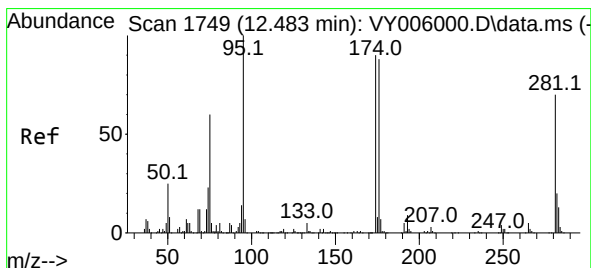
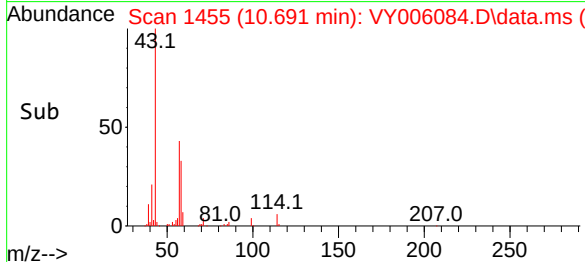
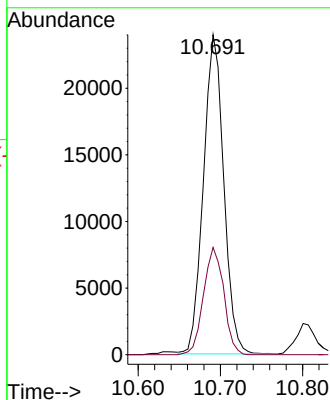
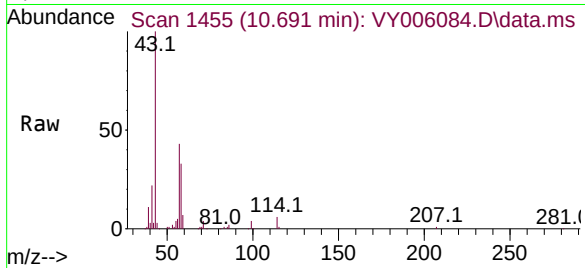




#59
2-Hexanone
Concen: 74.908 ug/l
RT: 10.691 min Scan# 1455
Delta R.T. -0.146 min
Lab File: VY006084.D
Acq: 17 Sep 2021 20:38

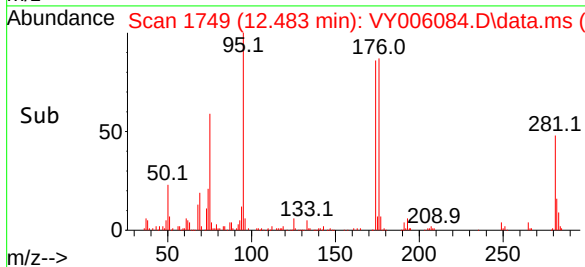
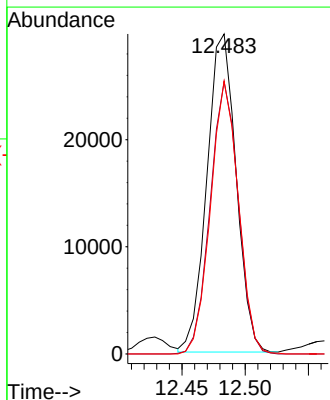
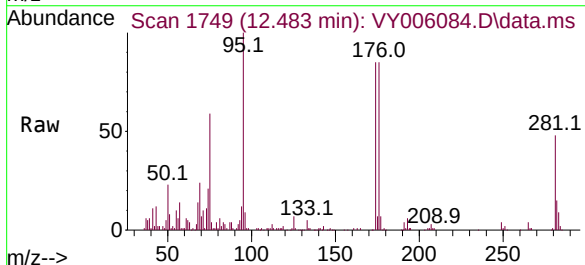
Instrument :
MSVOA_Y
ClientSampled :
26240

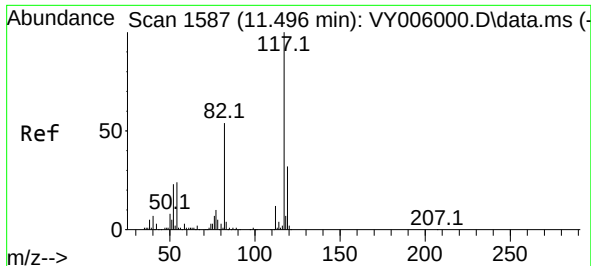
Tgt Ion: 43 Resp: 41210
Ion Ratio Lower Upper
43 100
58 33.4 24.4 73.4



#62
4-Bromofluorobenzene
Concen: 49.437 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY006084.D
Acq: 17 Sep 2021 20:38

Tgt Ion: 95 Resp: 47822
Ion Ratio Lower Upper
95 100
174 82.2 0.0 177.0
176 81.4 0.0 175.8

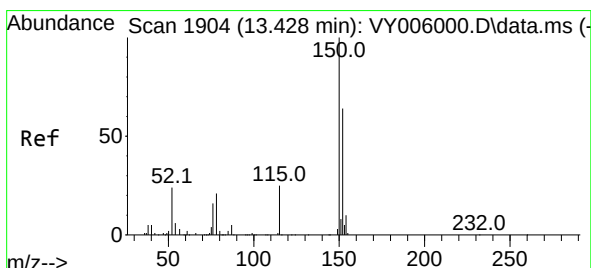
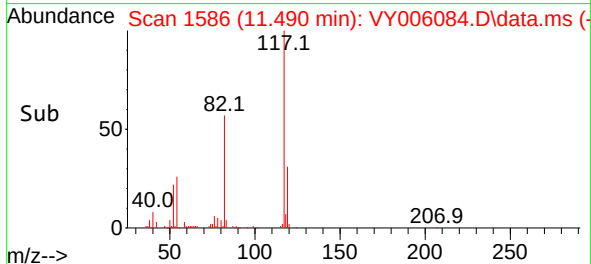
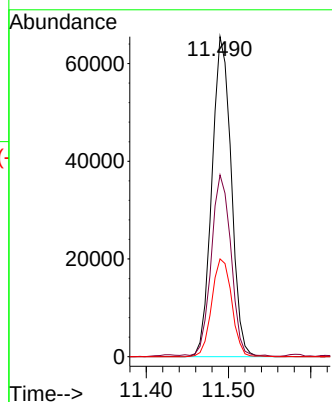
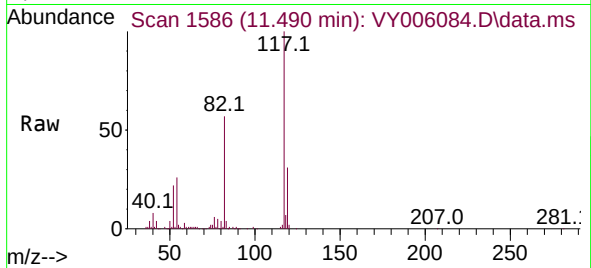




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY006084.D
Acq: 17 Sep 2021 20:38

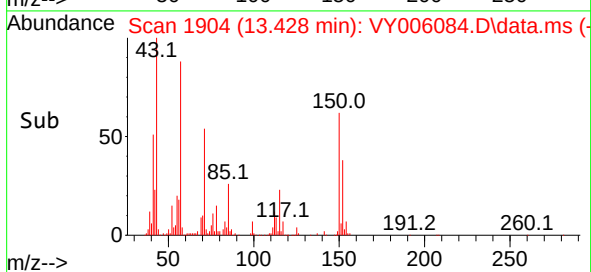
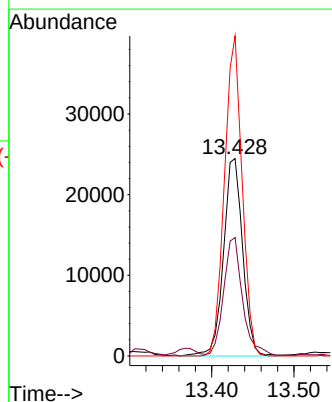
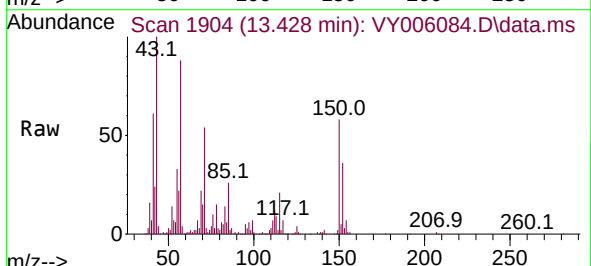
Instrument :
MSVOA_Y
ClientSampleId :
26240

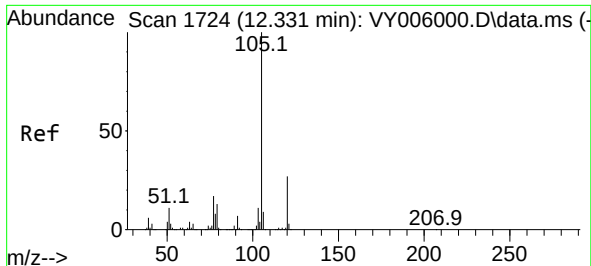
Tgt Ion:117	Resp:	106864
Ion	Ratio	Lower Upper
117	100	
82	56.6	43.0 64.4
119	30.5	25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY006084.D
Acq: 17 Sep 2021 20:38

Tgt Ion:152	Resp:	39647
Ion	Ratio	Lower Upper
152	100	
115	58.7	28.2 84.7
150	149.2	0.0 347.6

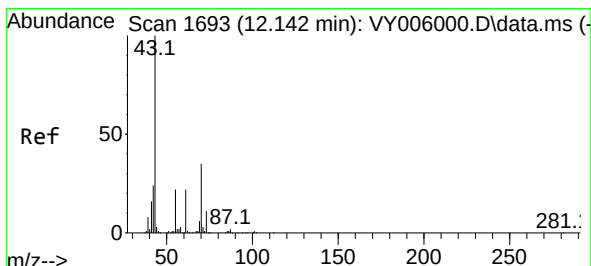
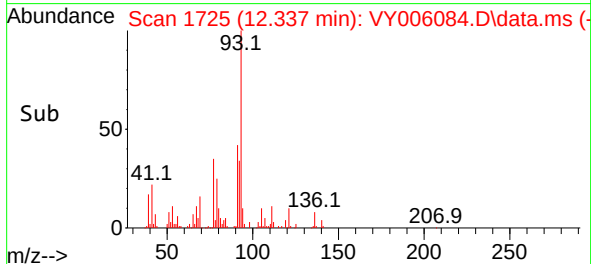
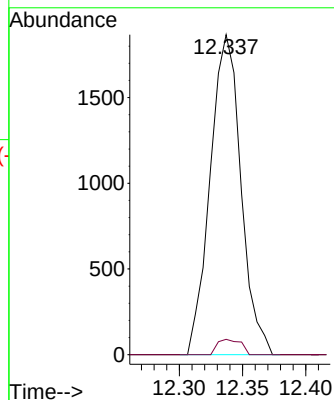
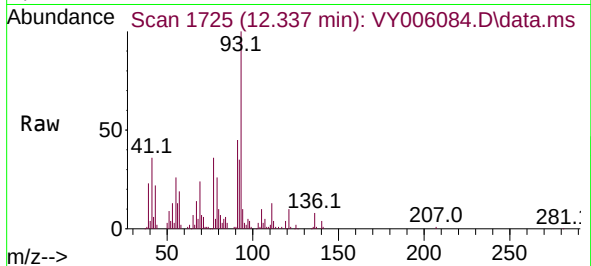




#73
Isopropylbenzene
Concen: 1.018 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VY006084.D
Acq: 17 Sep 2021 20:38

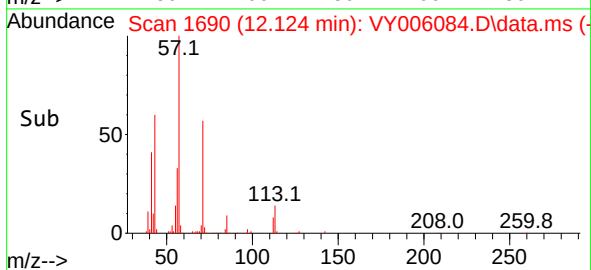
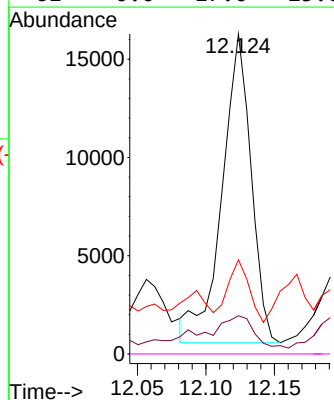
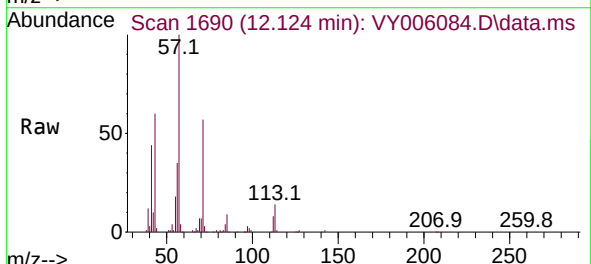
Instrument :
MSVOA_Y
ClientSampled :
26240

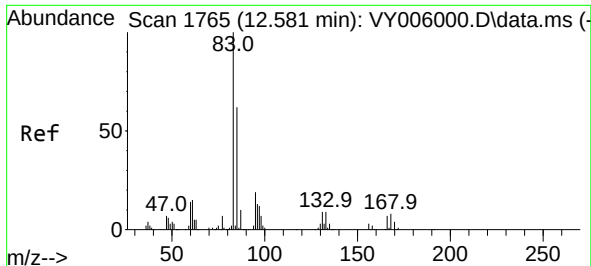
Tgt Ion:105 Resp: 3159
Ion Ratio Lower Upper
105 100
120 3.7 13.4 40.2#



#74
N-ethyl acetate
Concen: 21.637 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.018 min
Lab File: VY006084.D
Acq: 17 Sep 2021 20:38

Tgt Ion: 43 Resp: 23197
Ion Ratio Lower Upper
43 100
70 11.0 28.7 43.1#
55 14.6 17.3 25.9#
61 0.0 17.0 25.6#

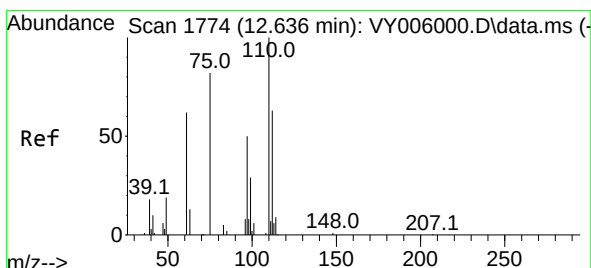
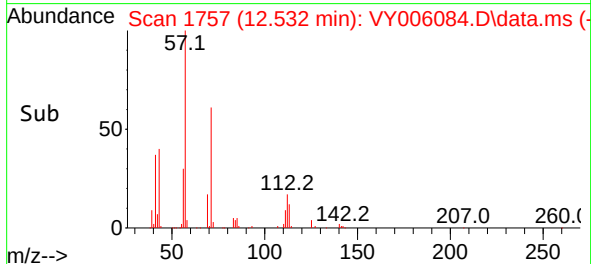
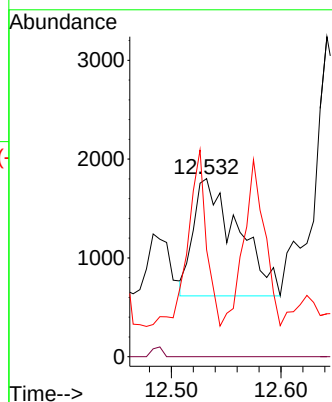
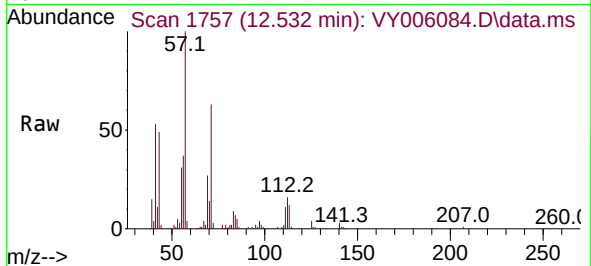




#75
1,1,2,2-Tetrachloroethane
Concen: 5.801 ug/l
RT: 12.532 min Scan# 1757
Delta R.T. -0.049 min
Lab File: VY006084.D
Acq: 17 Sep 2021 20:38

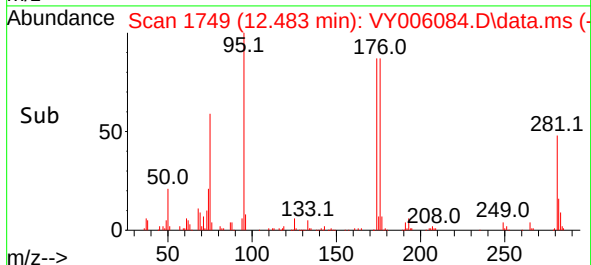
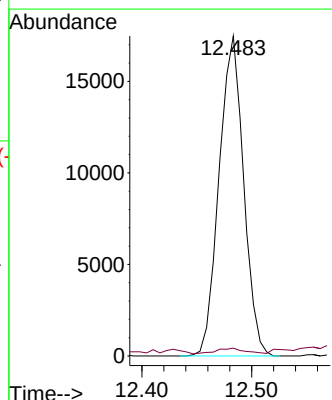
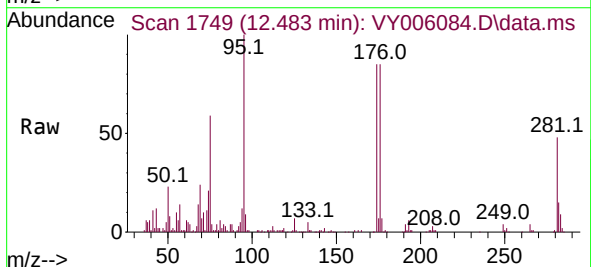
Instrument :
MSVOA_Y
ClientSampleId :
26240

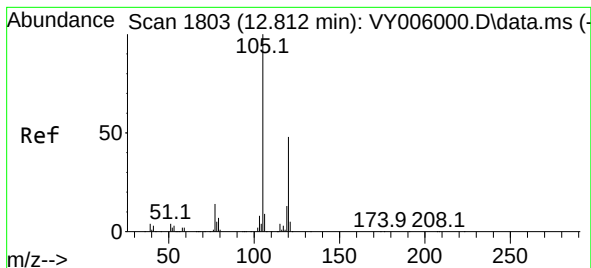
Tgt Ion: 83 Resp: 3351
Ion Ratio Lower Upper
83 100
131 0.0 5.6 16.8#
85 67.4 32.3 96.8



#76
1,2,3-Trichloropropane
Concen: 64.278 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY006084.D
Acq: 17 Sep 2021 20:38

Tgt Ion: 75 Resp: 27171
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#

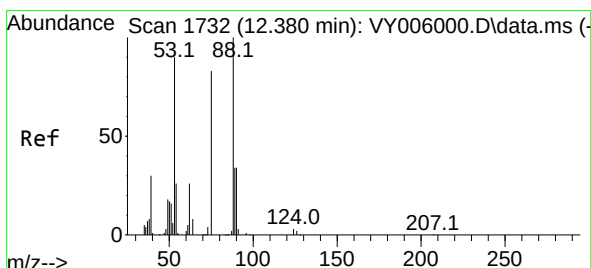
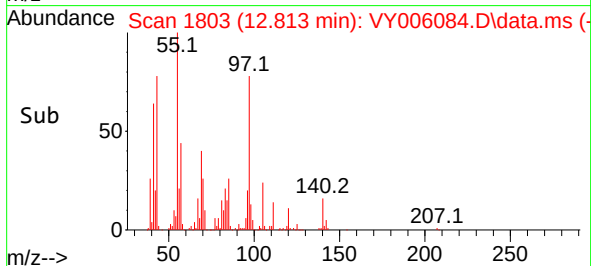
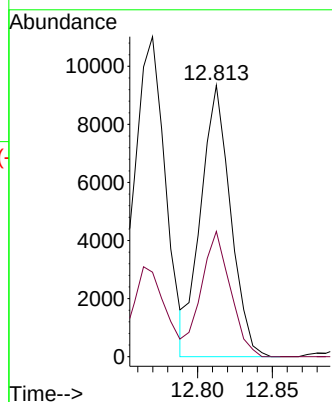
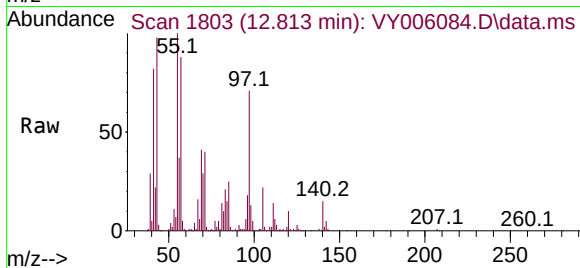




#80
1,3,5-Trimethylbenzene
Concen: 5.019 ug/l
RT: 12.813 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY006084.D
Acq: 17 Sep 2021 20:38

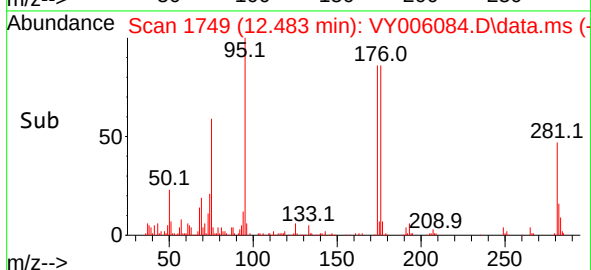
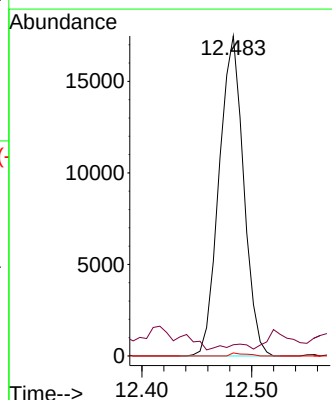
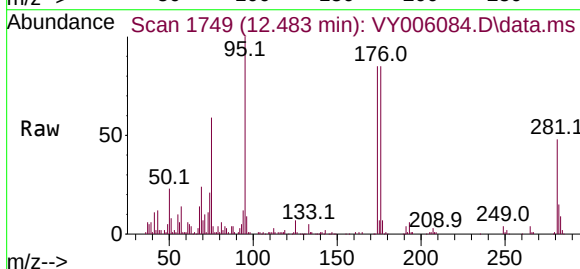
Instrument :
MSVOA_Y
ClientSampled :
26240

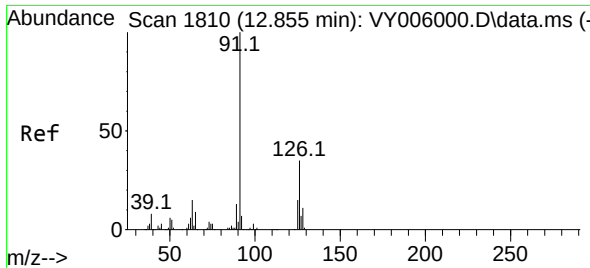
Tgt Ion:105 Resp: 12922
Ion Ratio Lower Upper
105 100
120 45.4 24.4 73.4



#81
trans-1,4-Dichloro-2-butene
Concen: 118.175 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006084.D
Acq: 17 Sep 2021 20:38

Tgt Ion: 75 Resp: 27171
Ion Ratio Lower Upper
75 100
53 1.4 85.3 127.9#
89 0.6 37.0 55.4#

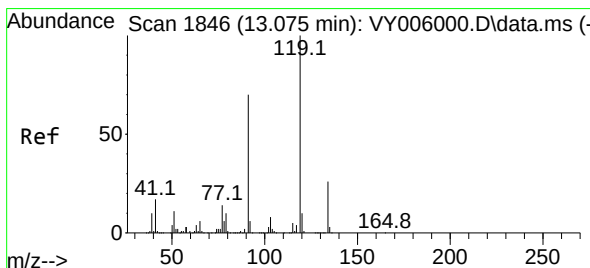
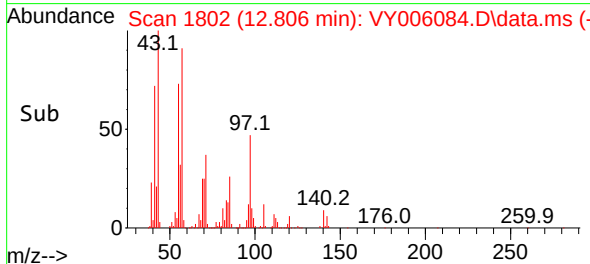
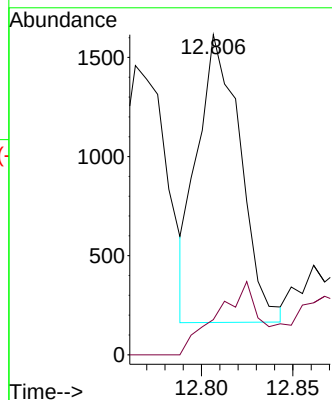
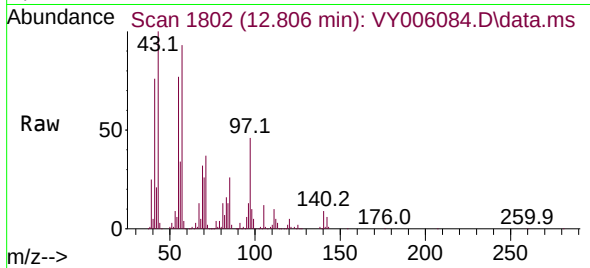




#82
4-Chlorotoluene
Concen: 1.094 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. -0.049 min
Lab File: VY006084.D
Acq: 17 Sep 2021 20:38

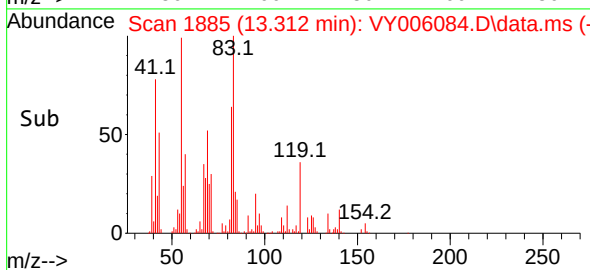
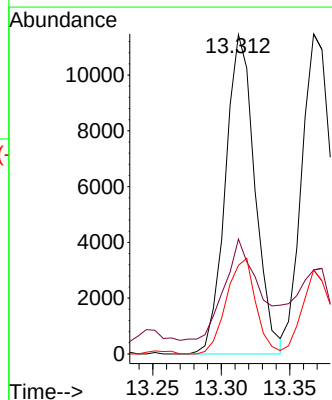
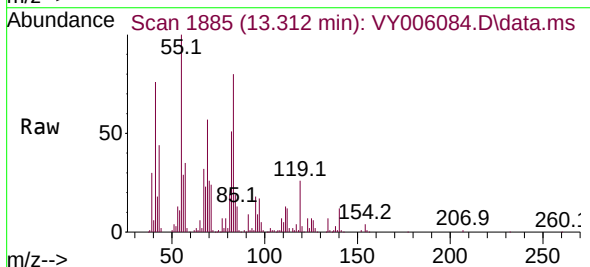
Instrument :
MSVOA_Y
ClientSampled :
26240

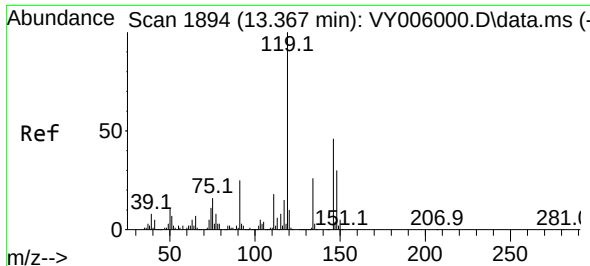
Tgt Ion: 91 Resp: 2361
Ion Ratio Lower Upper
91 100
126 25.2 17.0 51.0



#83
tert-Butylbenzene
Concen: 7.794 ug/l
RT: 13.312 min Scan# 1885
Delta R.T. 0.238 min
Lab File: VY006084.D
Acq: 17 Sep 2021 20:38

Tgt Ion: 119 Resp: 17165
Ion Ratio Lower Upper
119 100
91 34.5 34.8 104.4#
134 29.9 13.3 39.9

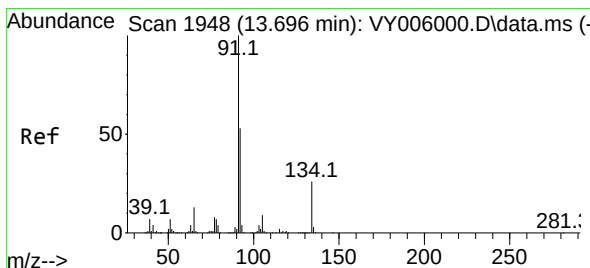
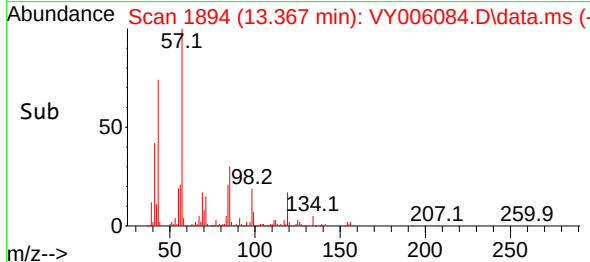
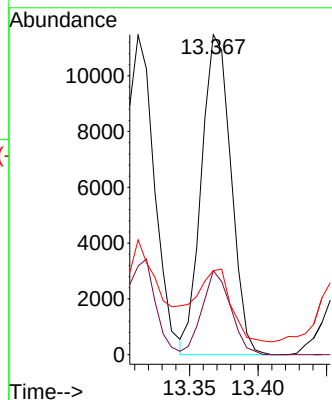
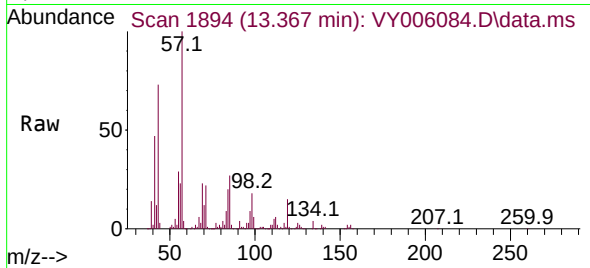




#86
p-Isopropyltoluene
Concen: 6.111 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY006084.D
Acq: 17 Sep 2021 20:38

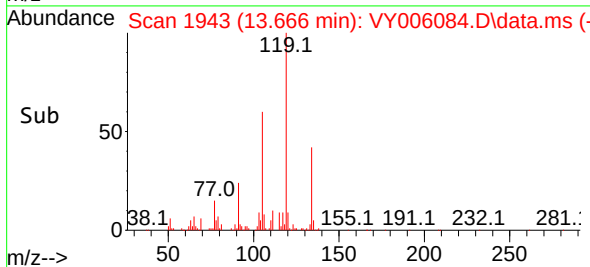
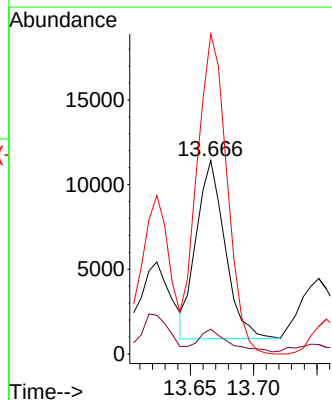
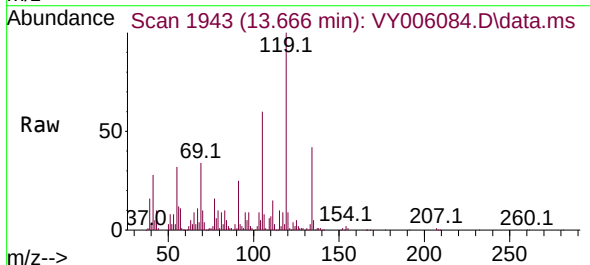
Instrument :
MSVOA_Y
ClientSampleId :
26240

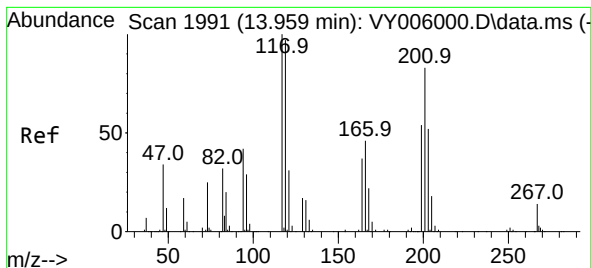
Tgt Ion:	119	Resp:	17200
Ion Ratio	100	Lower	Upper
119	100		
134	25.4	13.2	39.5
91	27.1	12.4	37.2



#89
n-Butylbenzene
Concen: 6.326 ug/l
RT: 13.666 min Scan# 1943
Delta R.T. -0.030 min
Lab File: VY006084.D
Acq: 17 Sep 2021 20:38

Tgt Ion:	91	Resp:	16649
Ion Ratio	100	Lower	Upper
91	100		
92	13.8	26.3	78.9#
134	187.7	13.0	38.9#

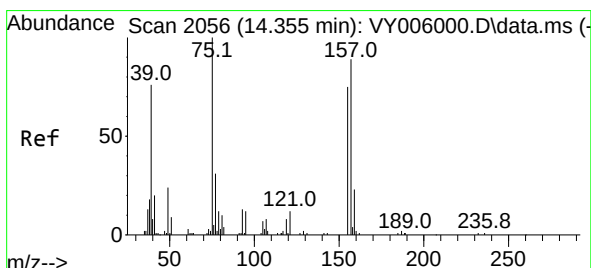
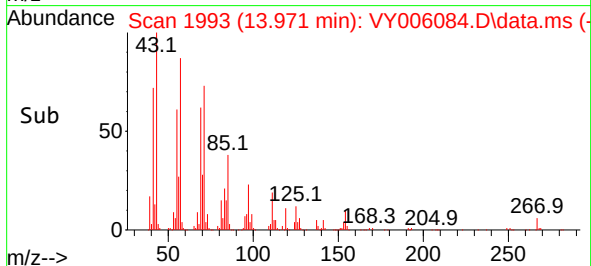
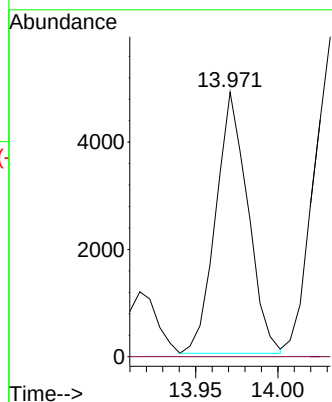
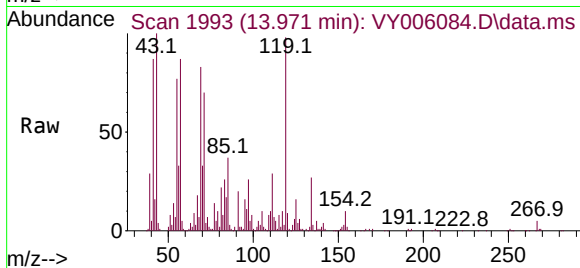




#90
Hexachloroethane
Concen: 13.059 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY006084.D
Acq: 17 Sep 2021 20:38

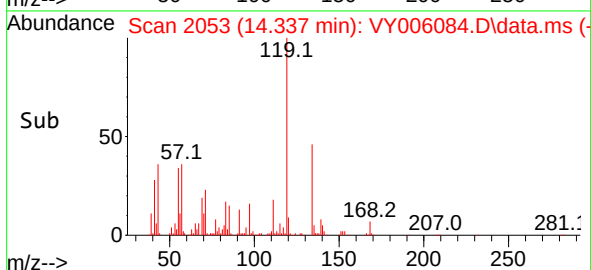
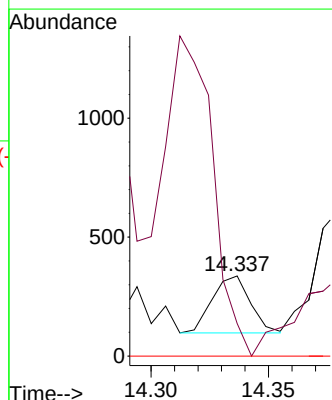
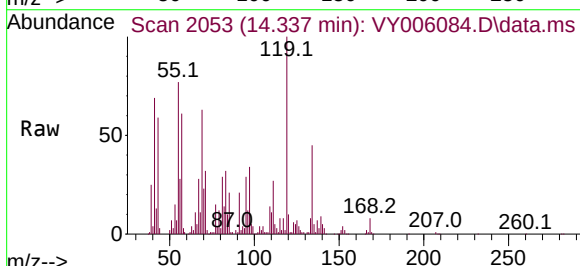
Instrument :
MSVOA_Y
ClientSampleId :
26240

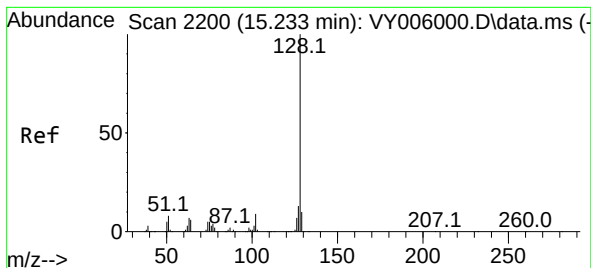
Tgt Ion:117 Resp: 6614
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.356 ug/l
RT: 14.337 min Scan# 2053
Delta R.T. -0.018 min
Lab File: VY006084.D
Acq: 17 Sep 2021 20:38

Tgt Ion: 75 Resp: 270
Ion Ratio Lower Upper
75 100
155 0.0 38.0 113.9#
157 0.0 47.8 143.3#

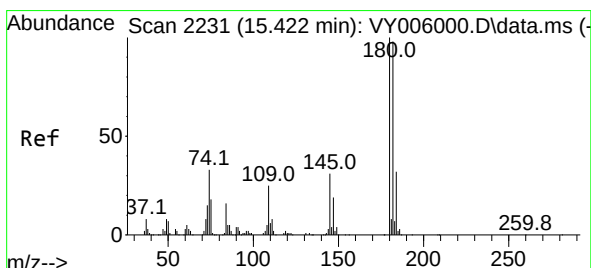
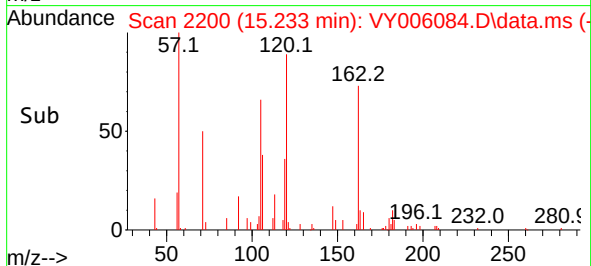
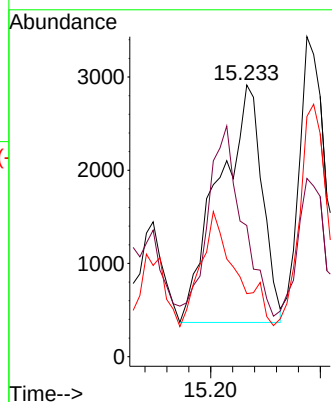
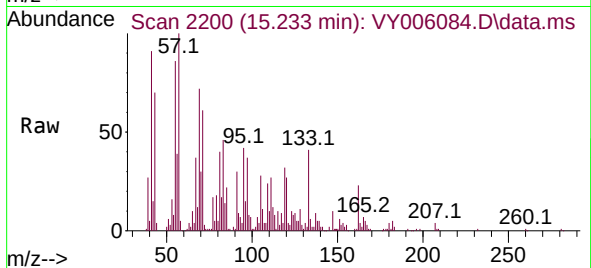




#95
Naphthalene
Concen: 4.431 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. 0.000 min
Lab File: VY006084.D
Acq: 17 Sep 2021 20:38

Instrument :
MSVOA_Y
ClientSampleId :
26240

Tgt Ion:128 Resp: 7019
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#



#96
1,2,3-Trichlorobenzene
Concen: 6.717 ug/l
RT: 15.446 min Scan# 2235
Delta R.T. 0.025 min
Lab File: VY006084.D
Acq: 17 Sep 2021 20:38

Tgt Ion:180 Resp: 4636
Ion Ratio Lower Upper
180 100
182 0.0 47.3 141.9#
145 298.2 15.3 45.9#

