

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041521\
 Data File : VY004445.D
 Acq On : 15 Apr 2021 16:54
 Operator : SY/MD
 Sample : M2048-06
 Misc : 5.06G/5ML/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 16 05:05:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 03:38:02 2021
 Response via : Initial Calibration

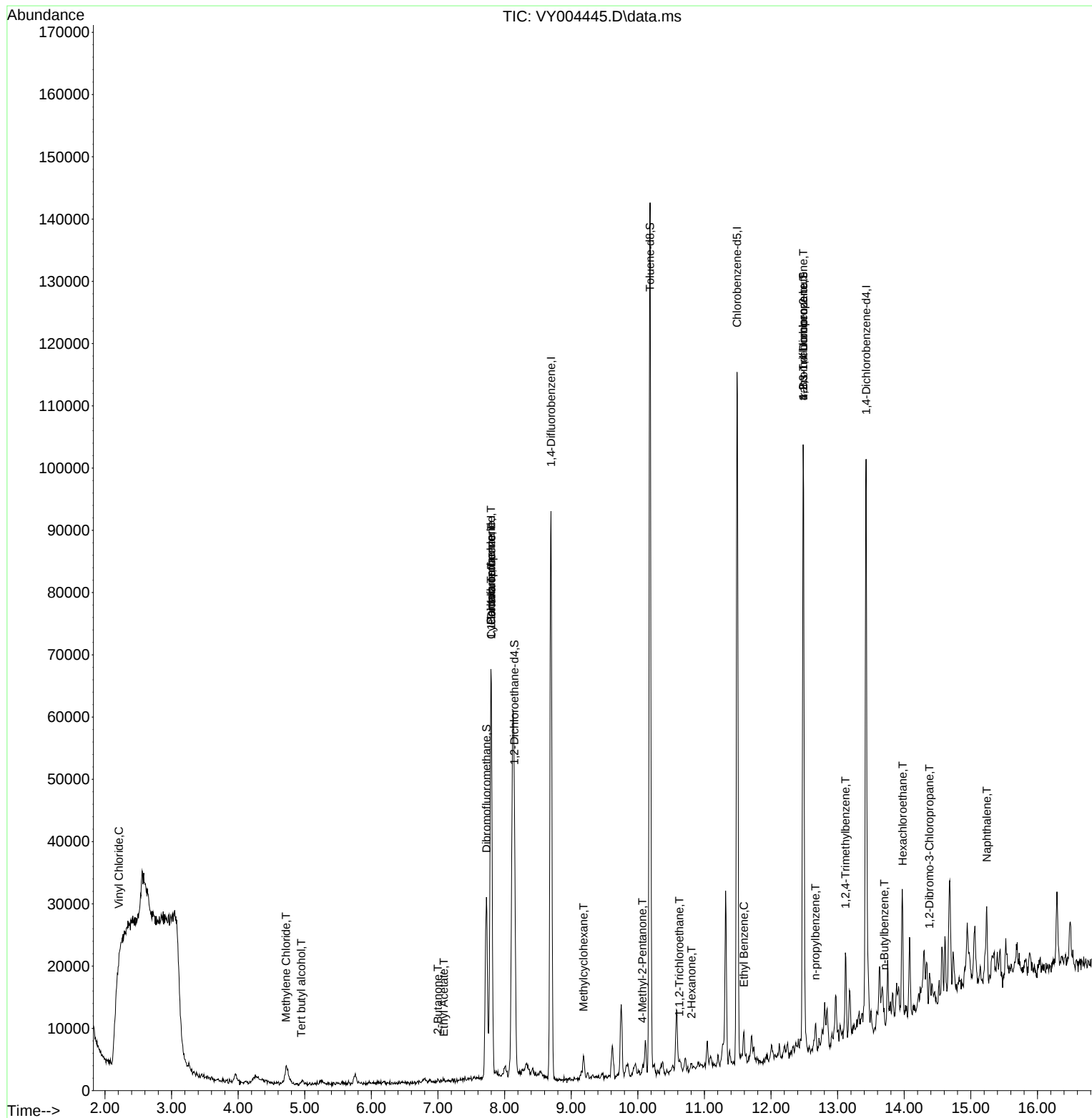
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.795	168	49005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	76114	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	58792	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	22065	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	20995	38.56	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	77.12%		
35) Dibromofluoromethane	7.728	113	19946	47.22	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.44%		
50) Toluene-d8	10.185	98	88737	49.39	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.78%		
62) 4-Bromofluorobenzene	12.483	95	24406	40.03	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	80.06%		
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.211	62	9731	14.03	ug/l #	43
11) Tert butyl alcohol	4.948	59	546	10.18	ug/l #	93
16) Acetone	3.960	43	2213	Below Cal	#	76
20) Methylene Chloride	4.716	84	1938	3.69	ug/l #	63
25) 2-Butanone	6.996	43	484	2.33	ug/l #	50
31) Cyclohexane	7.801	56	1604	1.61	ug/l #	57
36) 1,1-Dichloropropene	7.801	75	4025	5.32	ug/l #	51
37) Ethyl Acetate	7.088	43	717	1.47	ug/l #	70
38) Carbon Tetrachloride	7.795	117	4776	7.30	ug/l #	19
39) Methylcyclohexane	9.185	83	1386	1.49	ug/l #	90
51) 4-Methyl-2-Pentanone	10.069	43	885	1.87	ug/l	90
55) 1,1,2-Trichloroethane	10.624	97	479	1.16	ug/l #	15
59) 2-Hexanone	10.807	43	582	1.83	ug/l #	27
67) Ethyl Benzene	11.593	91	3174	1.41	ug/l	99
76) 1,2,3-Trichloropropane	12.483	75	13716	57.92	ug/l #	100
78) n-propylbenzene	12.666	91	3216	1.60	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.483	75	13716	103.61	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.117	105	7538	5.39	ug/l	100
89) n-Butylbenzene	13.703	91	2017	1.40	ug/l #	65
90) Hexachloroethane	13.977	117	892	4.42	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	14.379	75	65	1.12	ug/l #	2
95) Naphthalene	15.239	128	8200	9.00	ug/l	96

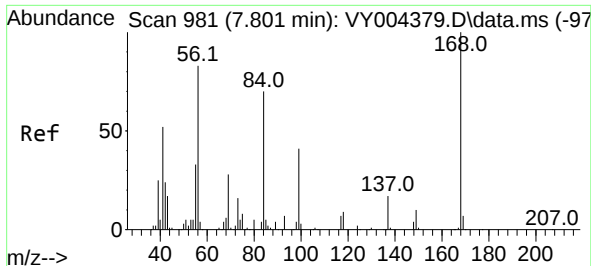
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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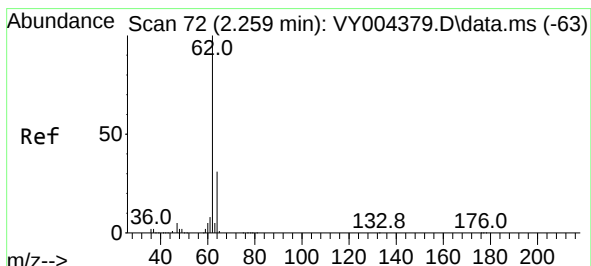
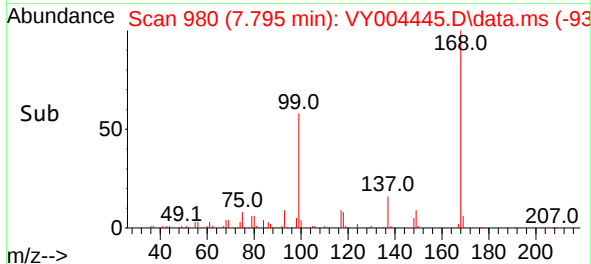
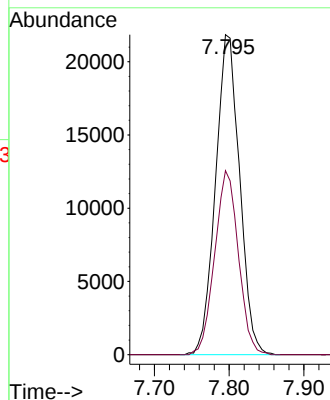
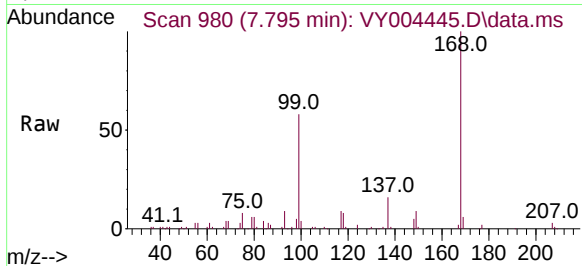




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY004445.D
Acq: 15 Apr 2021 16:54

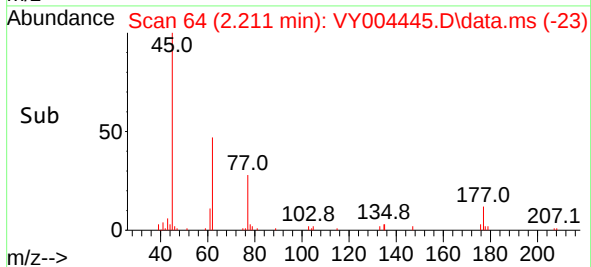
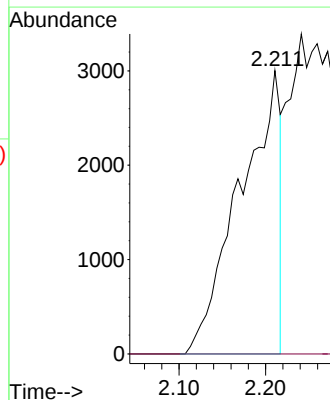
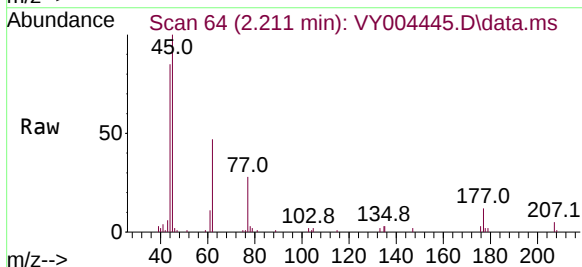
Instrument :
MSVOA_Y
ClientSampleId :

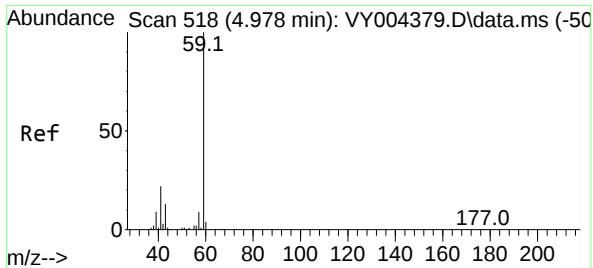
Tgt Ion:168 Resp: 49005
Ion Ratio Lower Upper
168 100
99 57.5 45.5 68.3



#4
Vinyl Chloride
Concen: 14.03 ug/l
RT: 2.211 min Scan# 64
Delta R.T. -0.049 min
Lab File: VY004445.D
Acq: 15 Apr 2021 16:54

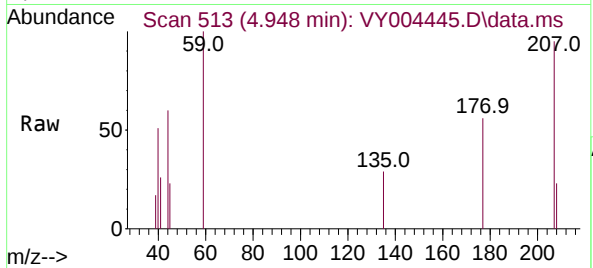
Tgt Ion: 62 Resp: 9731
Ion Ratio Lower Upper
62 100
64 0.0 25.1 37.7#



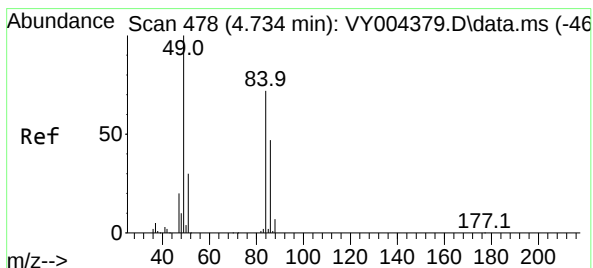
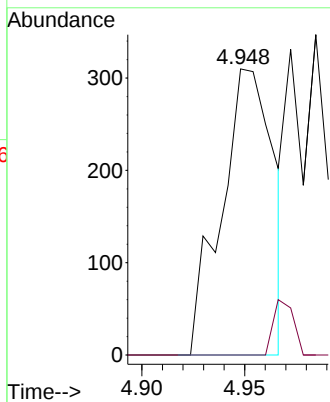
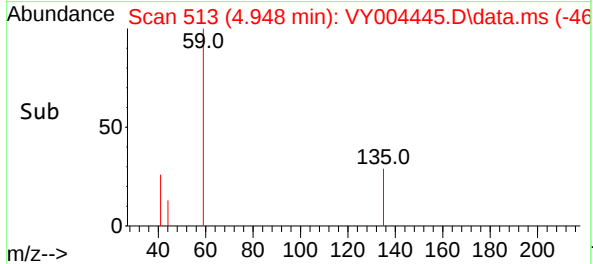


#11
Tert butyl alcohol
Concen: 10.18 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.030 min
Lab File: VY004445.D
Acq: 15 Apr 2021 16:54

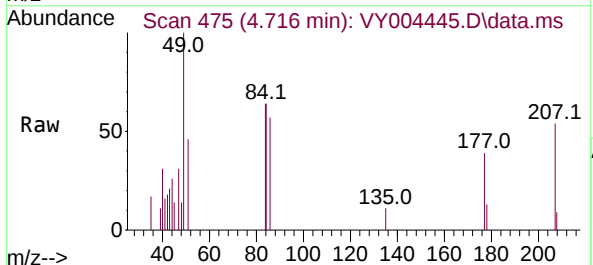
Instrument :
MSVOA_Y
ClientSampled :



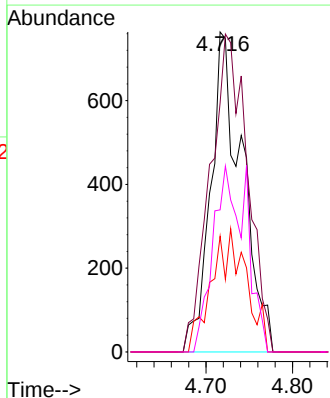
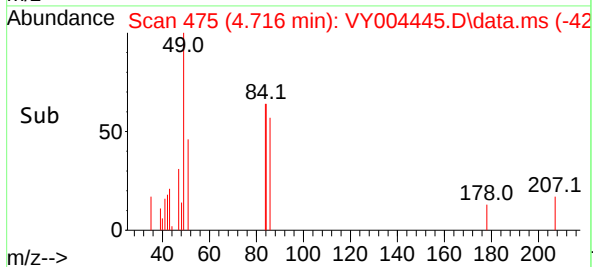
Tgt Ion: 59 Resp: 546
Ion Ratio Lower Upper
59 100
57 7.5 8.1 12.1#

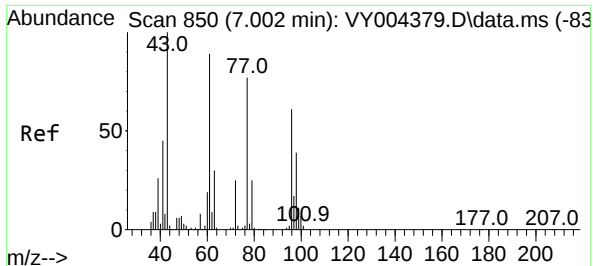


#20
Methylene Chloride
Concen: 3.69 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.018 min
Lab File: VY004445.D
Acq: 15 Apr 2021 16:54



Tgt Ion: 84 Resp: 1938
Ion Ratio Lower Upper
84 100
49 77.9 111.2 166.8#
51 36.1 33.4 50.2
86 44.4 52.7 79.1#





#25

2-Butanone

Concen: 2.33 ug/l

RT: 6.996 min Scan# 849

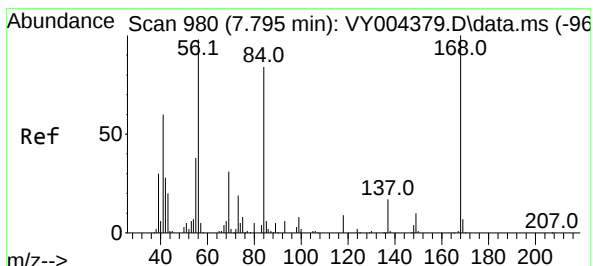
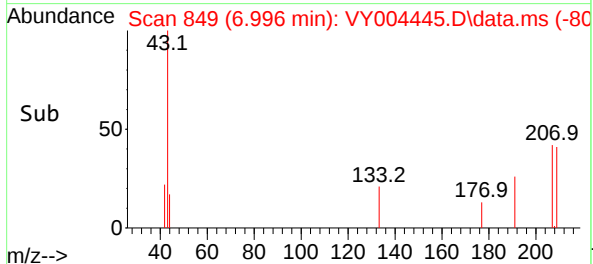
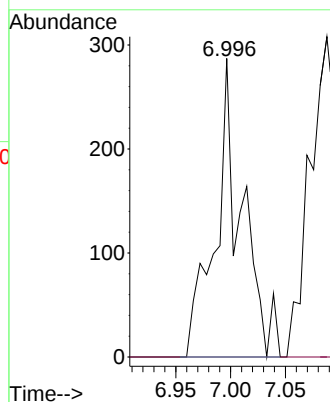
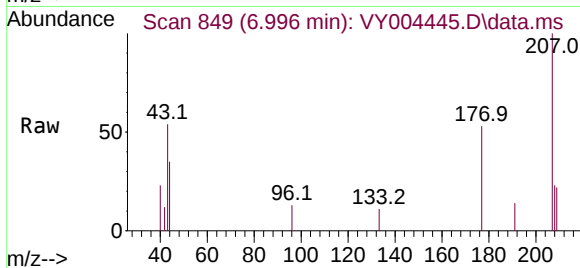
Delta R.T. -0.006 min

Lab File: VY004445.D

Acq: 15 Apr 2021 16:54

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion: 43 Resp: 484
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.2#



#31

Cyclohexane

Concen: 1.61 ug/l

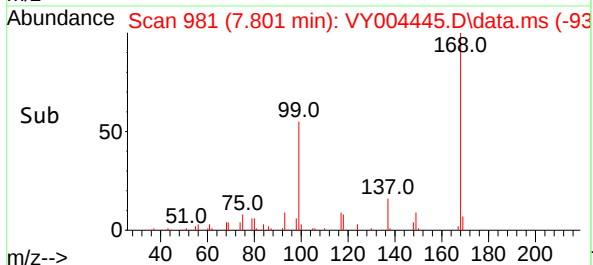
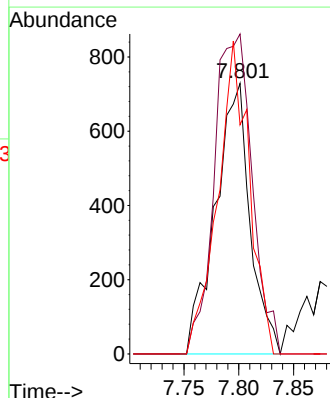
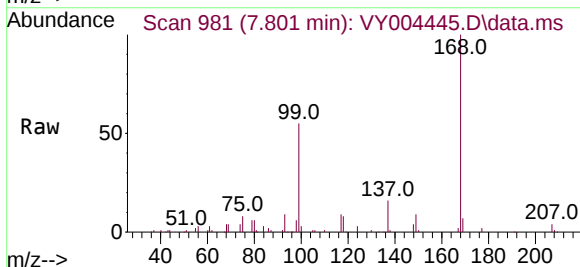
RT: 7.801 min Scan# 981

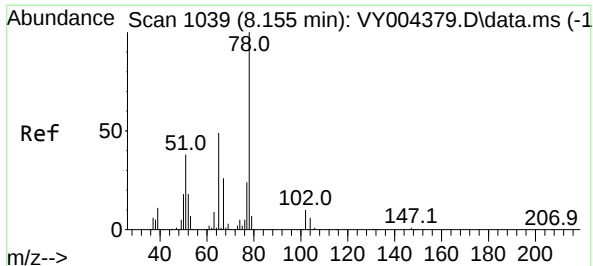
Delta R.T. 0.006 min

Lab File: VY004445.D

Acq: 15 Apr 2021 16:54

Tgt Ion: 56 Resp: 1604
Ion Ratio Lower Upper
56 100
69 118.2 25.8 38.6#
84 84.6 68.2 102.4

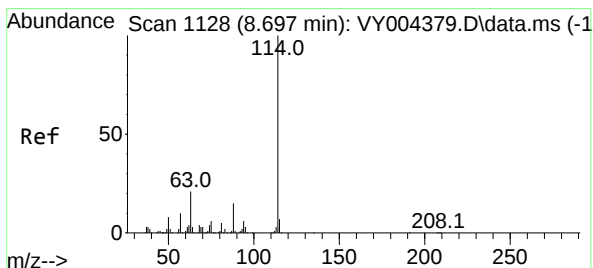
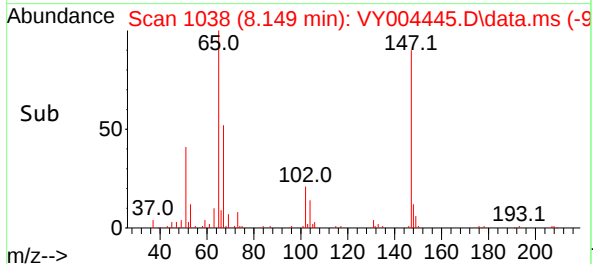
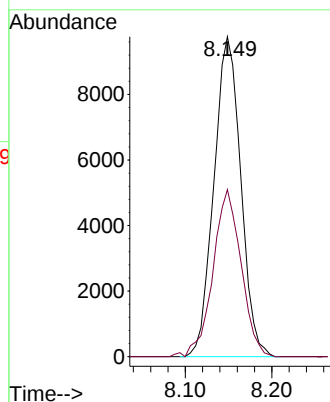
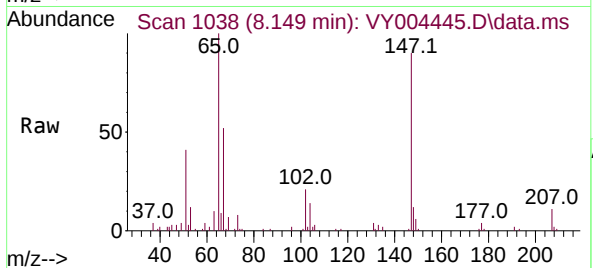




#33
1,2-Dichloroethane-d4
Concen: 38.56 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY004445.D
Acq: 15 Apr 2021 16:54

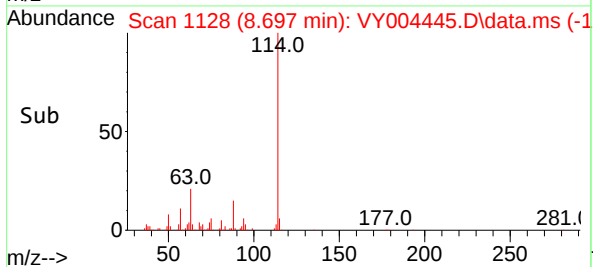
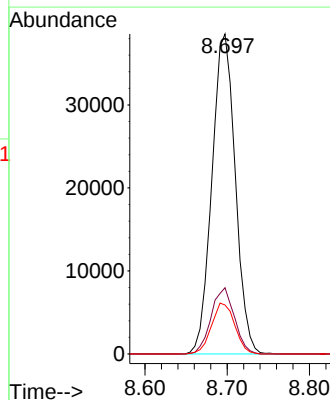
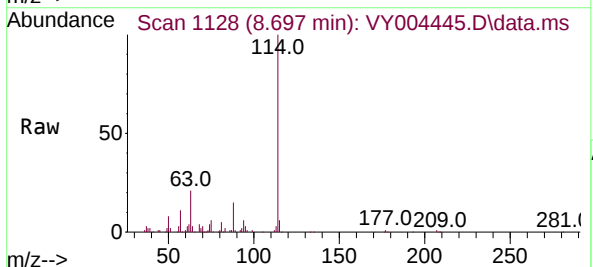
Instrument :
MSVOA_Y
ClientSampleId :

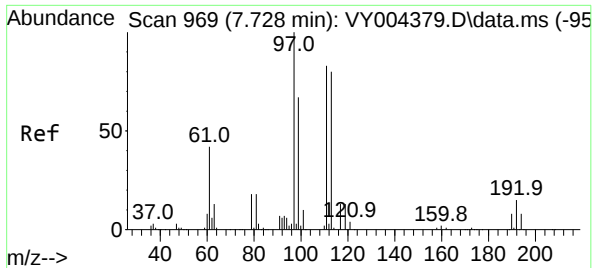
Tgt Ion: 65 Resp: 20995
Ion Ratio Lower Upper
65 100
67 54.7 0.0 106.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004445.D
Acq: 15 Apr 2021 16:54

Tgt Ion: 114 Resp: 76114
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.4
88 15.3 0.0 30.8

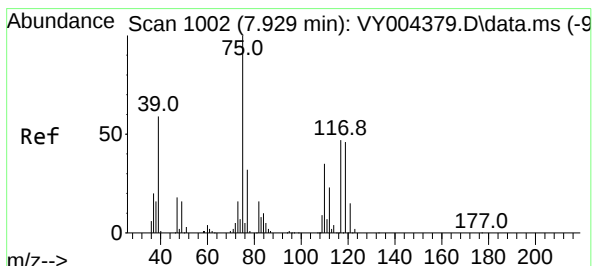
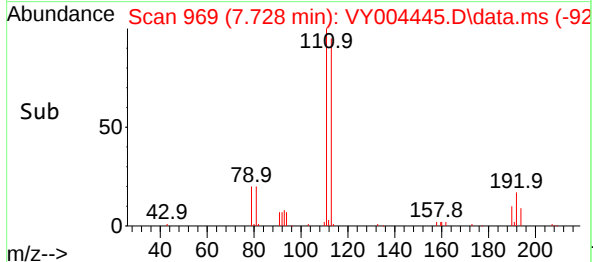
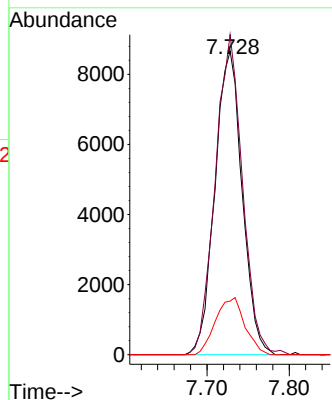
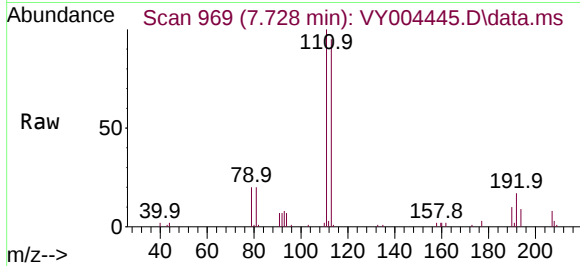




#35
Dibromofluoromethane
Concen: 47.22 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004445.D
Acq: 15 Apr 2021 16:54

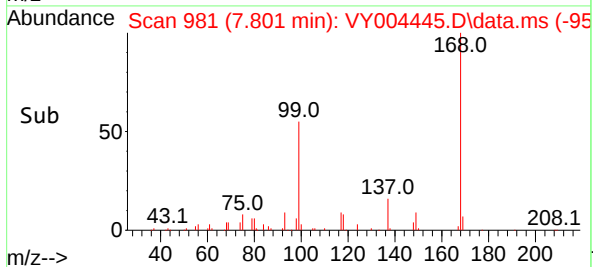
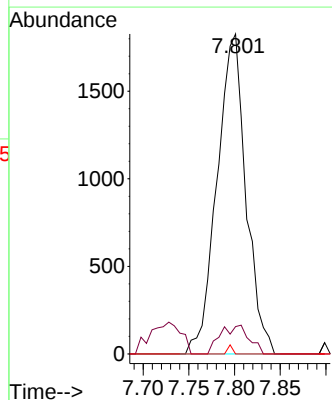
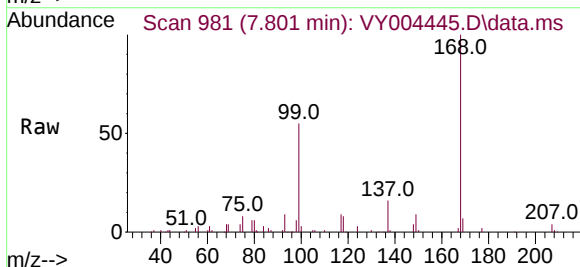
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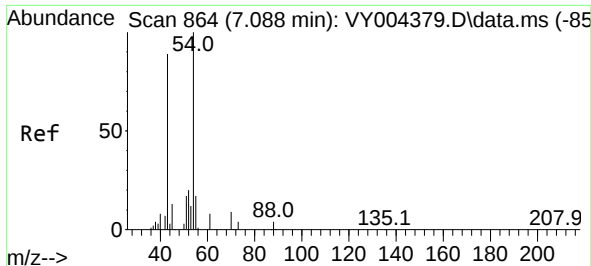
Tgt Ion:	113	Resp:	19946
Ion	Ratio	Lower	Upper
113	100		
111	105.1	82.6	123.8
192	20.1	16.1	24.1



#36
1,1-Dichloropropene
Concen: 5.32 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004445.D
Acq: 15 Apr 2021 16:54

Tgt Ion:	75	Resp:	4025
Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.3	51.7#
77	0.5	24.3	36.5#





#37

Ethyl Acetate

Concen: 1.47 ug/l

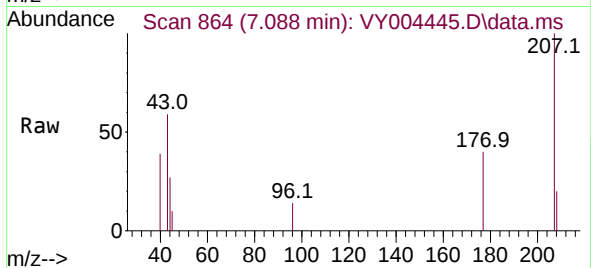
RT: 7.088 min Scan# 864

Delta R.T. 0.000 min

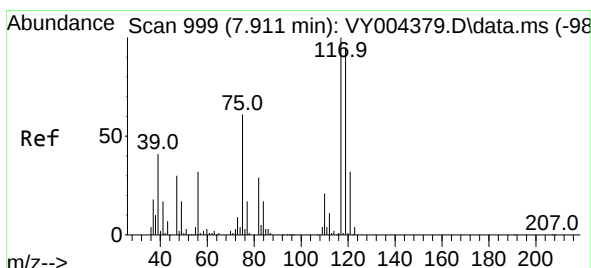
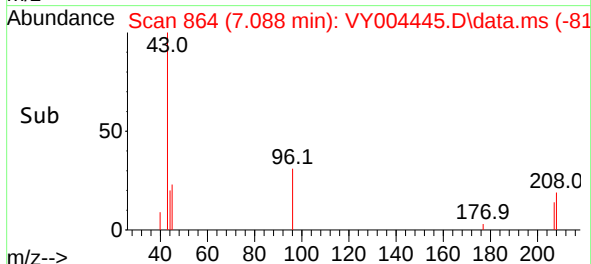
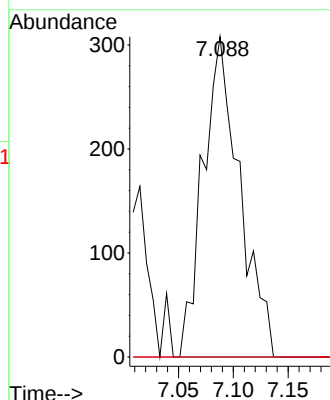
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ClientSampled :



Tgt Ion:	43	Resp:	717
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.4	15.6#
70	0.0	7.5	11.3#



#38

Carbon Tetrachloride

Concen: 7.30 ug/l

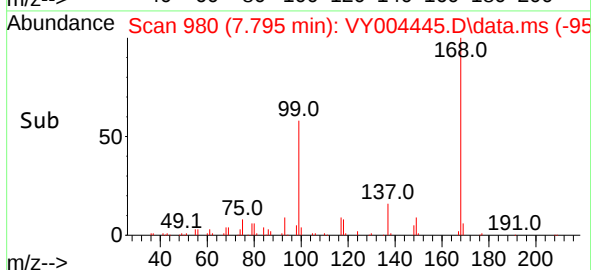
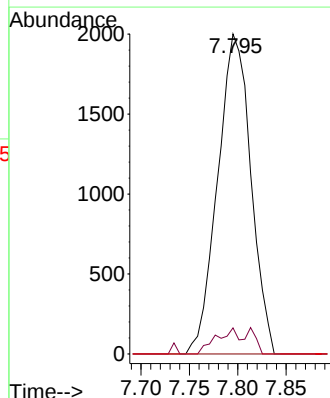
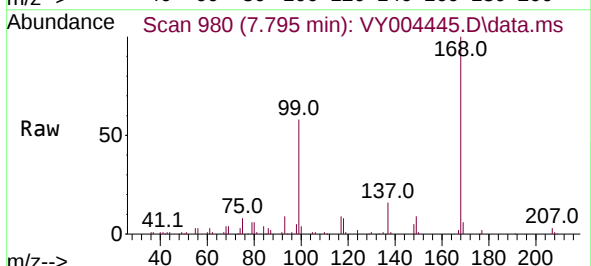
RT: 7.795 min Scan# 980

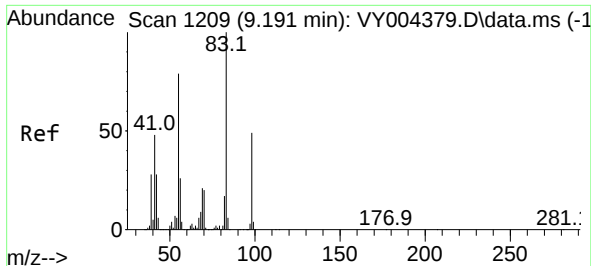
Delta R.T. -0.116 min

Lab File: VY004445.D

Acq: 15 Apr 2021 16:54

Tgt Ion:	117	Resp:	4776
Ion	Ratio	Lower	Upper
117	100		
119	8.1	75.8	113.8#
121	0.0	25.3	37.9#





#39

Methylcyclohexane

Concen: 1.49 ug/l

RT: 9.185 min Scan# 1208

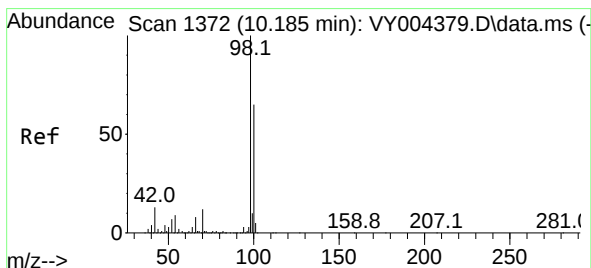
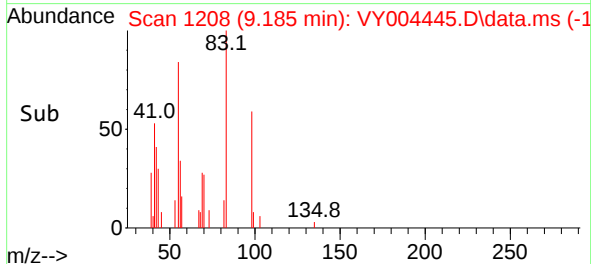
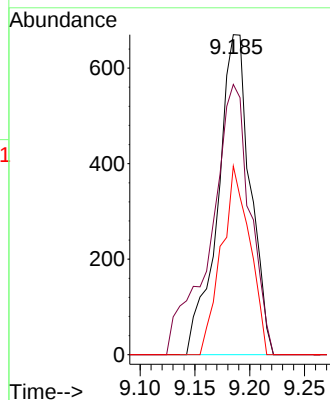
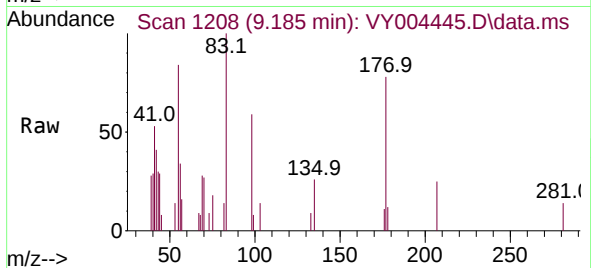
Delta R.T. -0.006 min

Lab File: VY004445.D

Acq: 15 Apr 2021 16:54

Tgt Ion: 83	Resp: 1386
Ion Ratio	Lower Upper
83	100
55	84.5 63.0 94.4
98	59.0 39.2 58.8#

Instrument :
MSVOA_Y
ClientSampleId :



#50

Toluene-d8

Concen: 49.39 ug/l

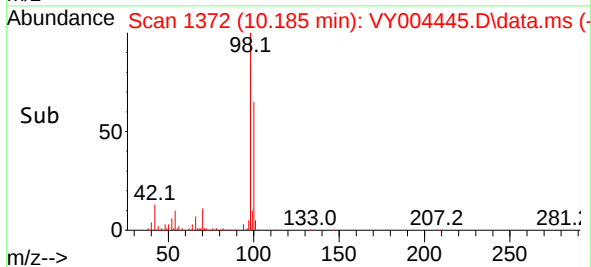
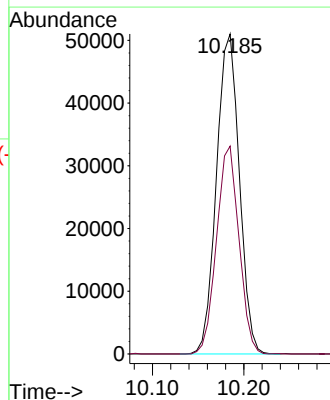
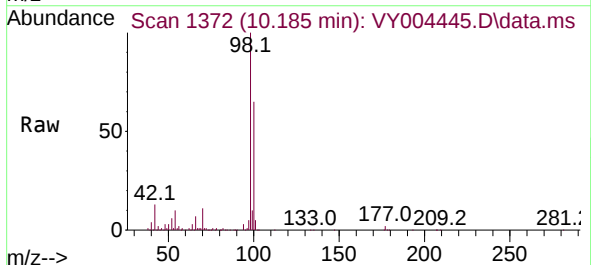
RT: 10.185 min Scan# 1372

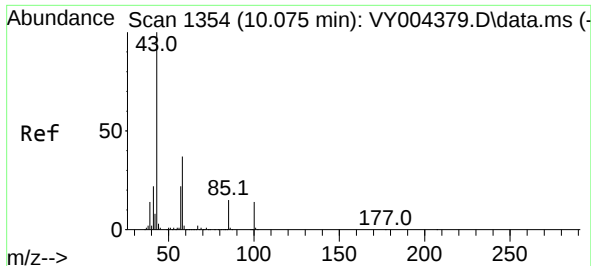
Delta R.T. 0.000 min

Lab File: VY004445.D

Acq: 15 Apr 2021 16:54

Tgt Ion: 98	Resp: 88737
Ion Ratio	Lower Upper
98	100
100	63.7 51.8 77.6

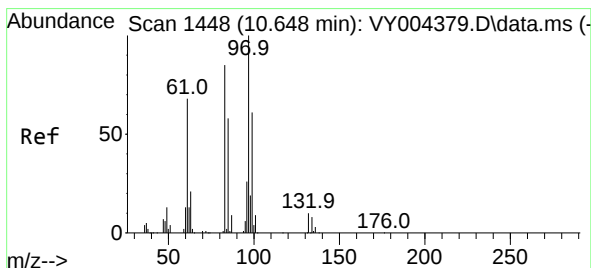
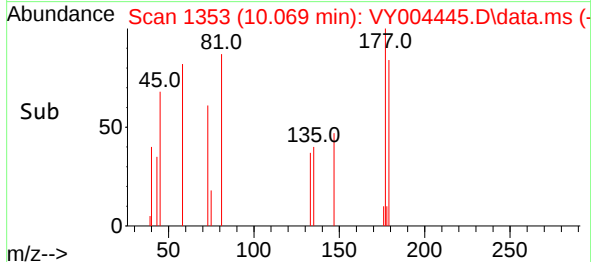
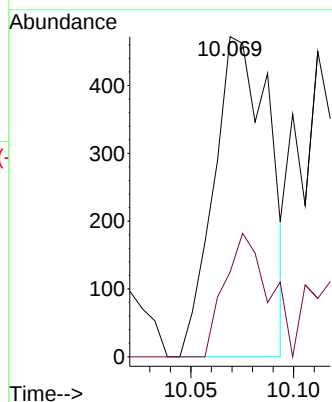
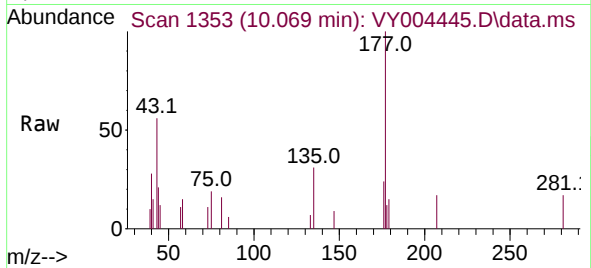




#51
4-Methyl-2-Pentanone
Concen: 1.87 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.006 min
Lab File: VY004445.D
Acq: 15 Apr 2021 16:54

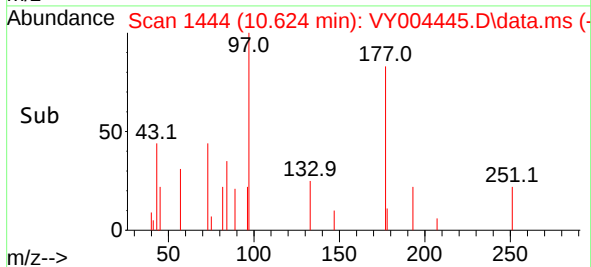
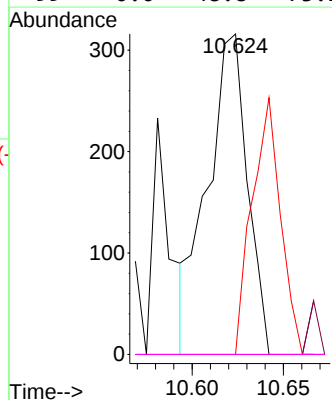
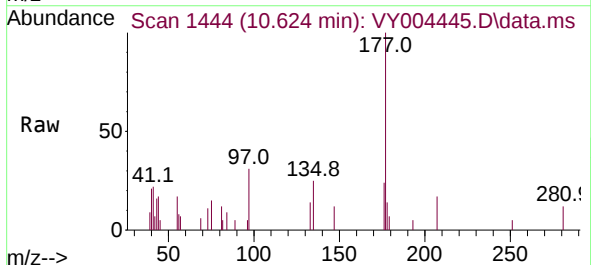
Instrument :
MSVOA_Y
ClientSampleId :

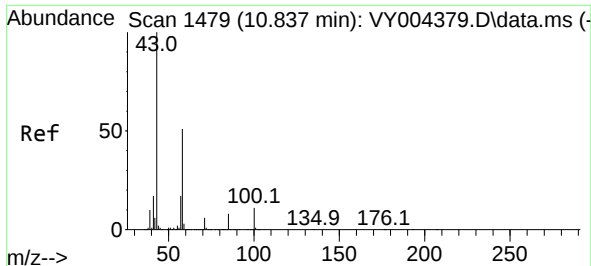
Tgt Ion: 43 Resp: 885
Ion Ratio Lower Upper
43 100
58 30.5 29.2 43.8



#55
1,1,2-Trichloroethane
Concen: 1.16 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.024 min
Lab File: VY004445.D
Acq: 15 Apr 2021 16:54

Tgt Ion: 97 Resp: 479
Ion Ratio Lower Upper
97 100
83 0.0 68.4 102.6#
85 0.0 46.2 69.4#
99 0.0 48.8 73.2#

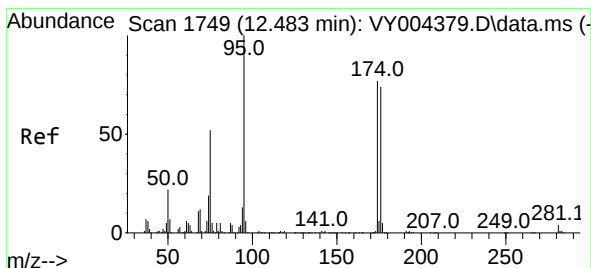
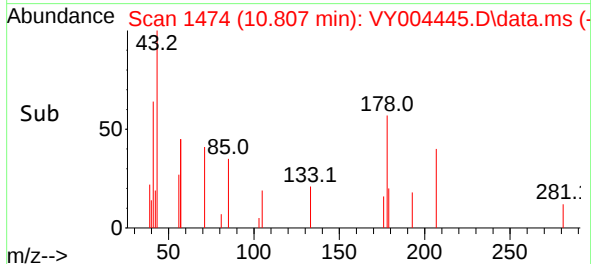
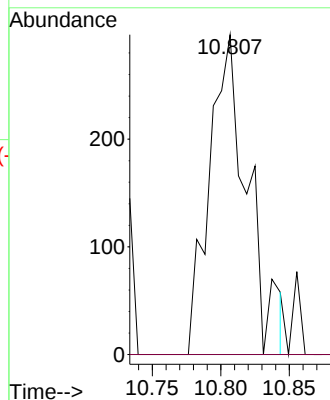
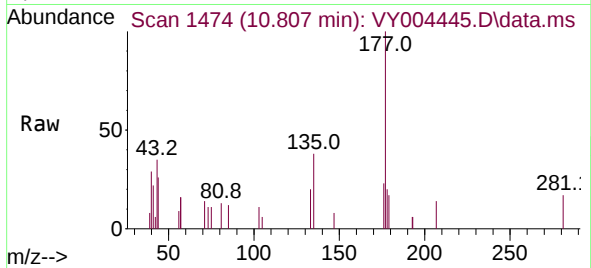




#59
2-Hexanone
Concen: 1.83 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.030 min
Lab File: VY004445.D
Acq: 15 Apr 2021 16:54

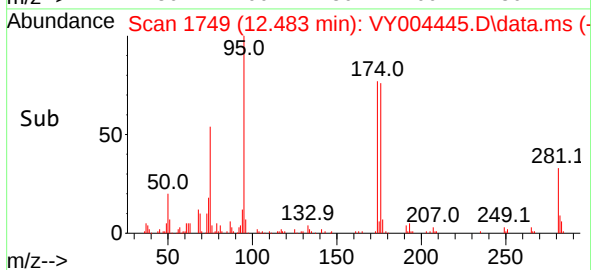
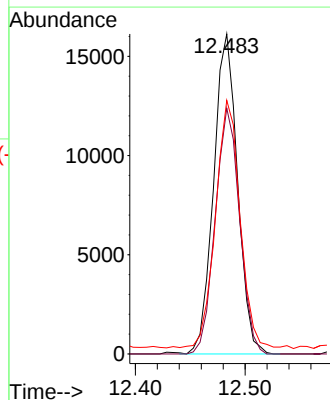
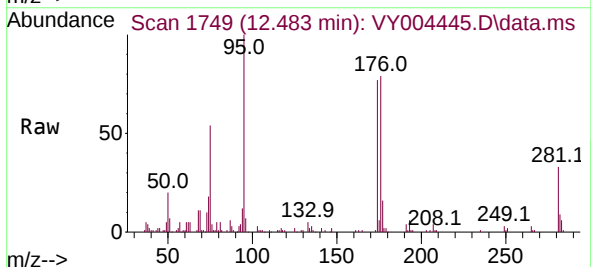
Instrument :
MSVOA_Y
ClientSampled :

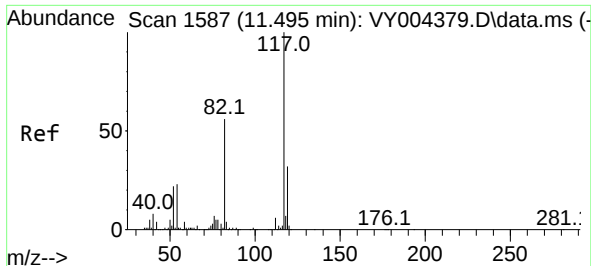
Tgt Ion: 43 Resp: 582
Ion Ratio Lower Upper
43 100
58 0.0 25.4 76.4#



#62
4-Bromofluorobenzene
Concen: 40.03 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004445.D
Acq: 15 Apr 2021 16:54

Tgt Ion: 95 Resp: 24406
Ion Ratio Lower Upper
95 100
174 78.4 0.0 162.4
176 79.1 0.0 156.0

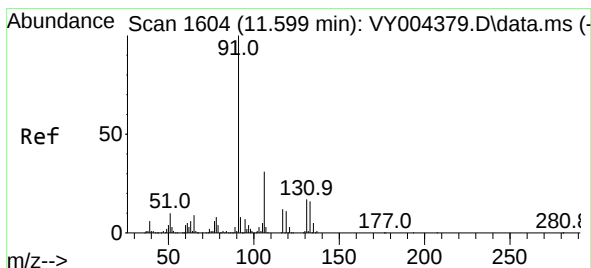
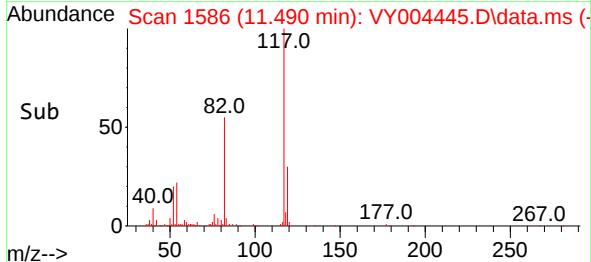
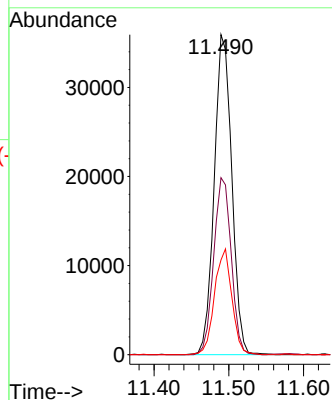
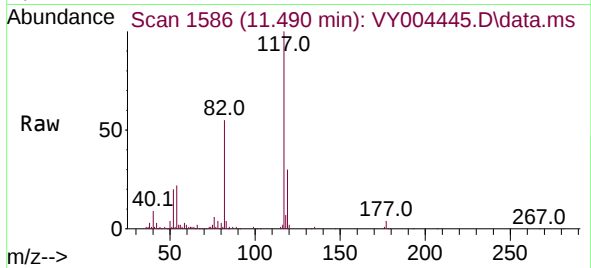




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY004445.D
Acq: 15 Apr 2021 16:54

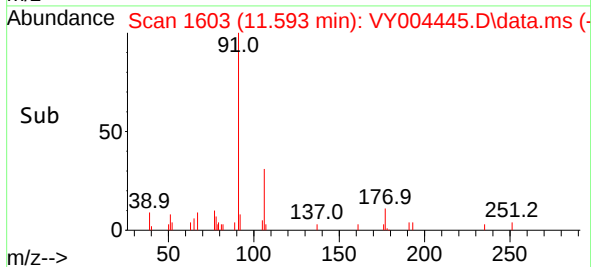
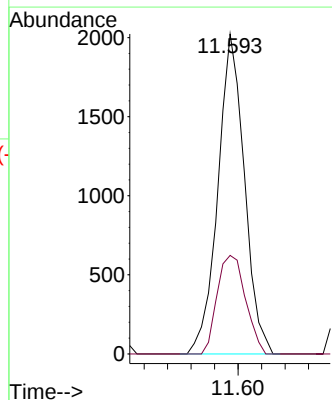
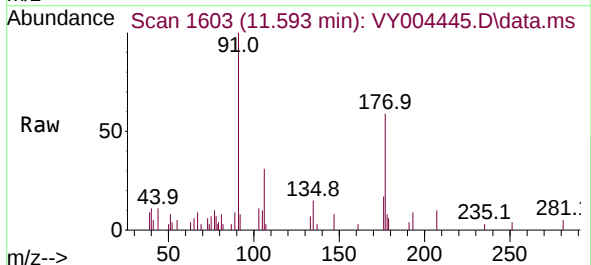
Instrument :
MSVOA_Y
ClientSampled :

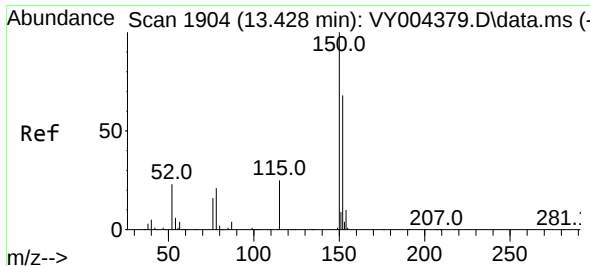
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.3	44.9	67.3
119	29.6	25.4	38.0



#67
Ethyl Benzene
Concen: 1.41 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.006 min
Lab File: VY004445.D
Acq: 15 Apr 2021 16:54

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.8	25.1	37.7

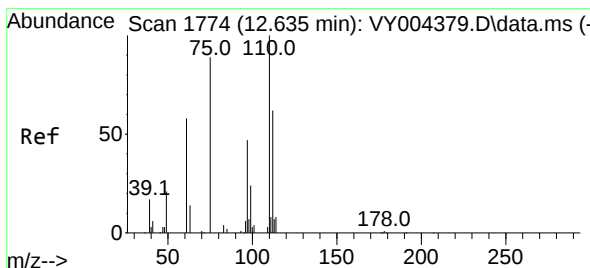
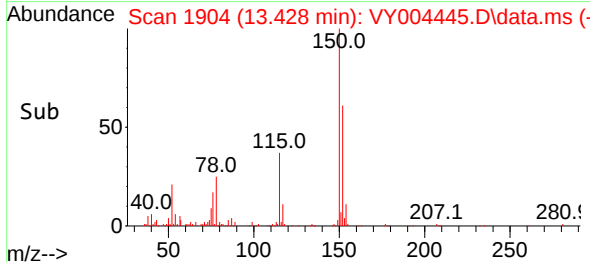
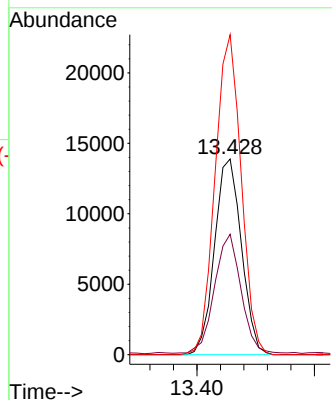
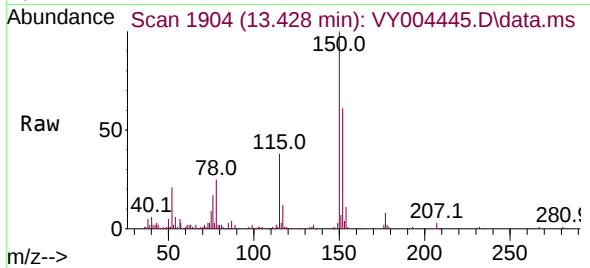




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY004445.D
 Acq: 15 Apr 2021 16:54

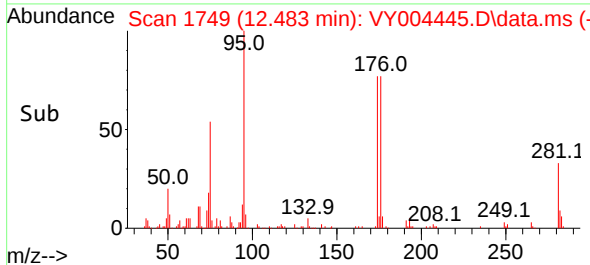
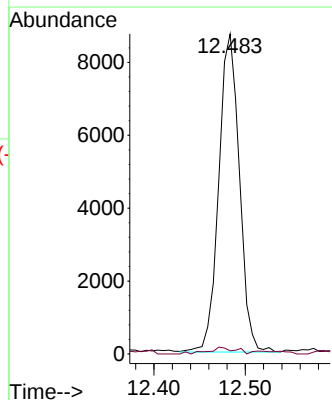
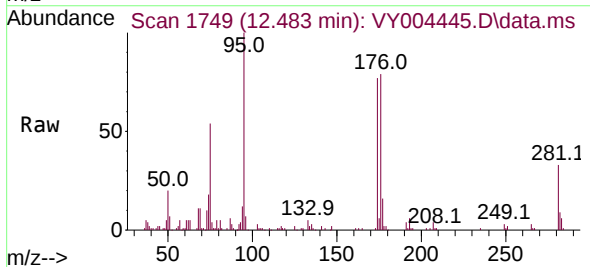
Instrument :
 MSVOA_Y
 ClientSampled :

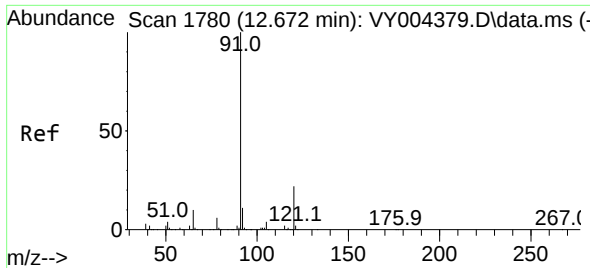
Tgt Ion:152 Resp: 22065
 Ion Ratio Lower Upper
 152 100
 115 59.7 29.6 88.8
 150 158.4 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 57.92 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY004445.D
 Acq: 15 Apr 2021 16:54

Tgt Ion: 75 Resp: 13716
 Ion Ratio Lower Upper
 75 100
 77 2.7 0.0 0.0#

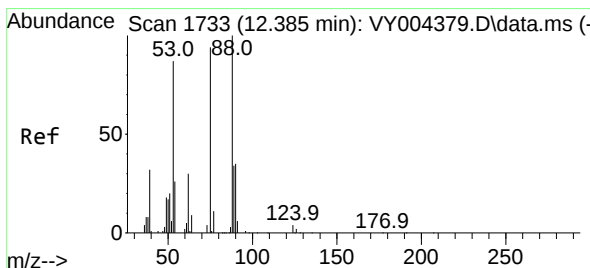
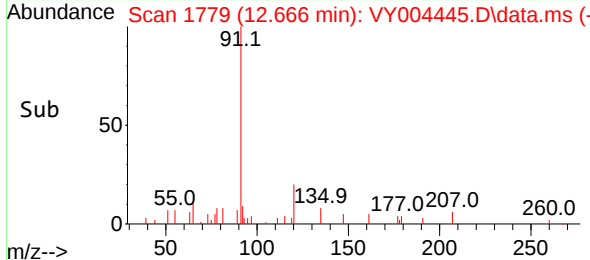
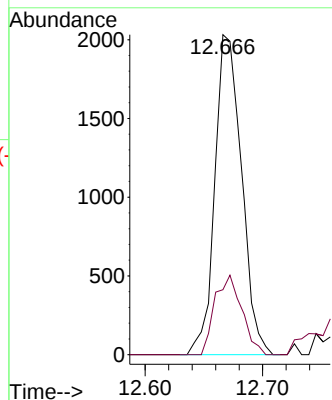
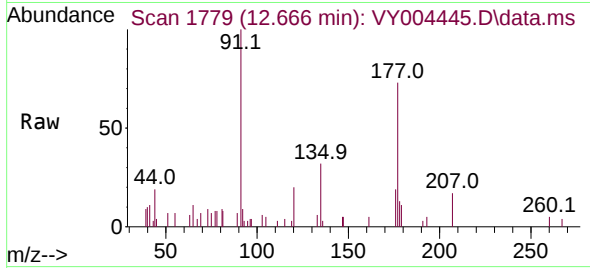




#78
n-propylbenzene
Concen: 1.60 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. -0.006 min
Lab File: VY004445.D
Acq: 15 Apr 2021 16:54

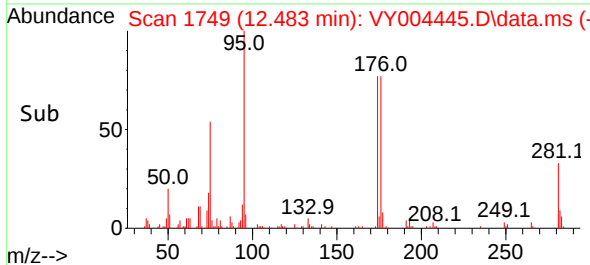
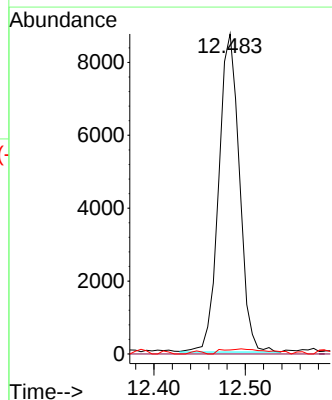
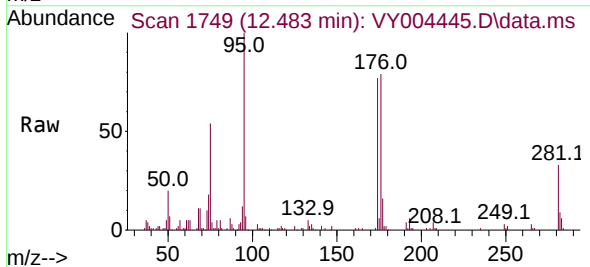
Instrument :
MSVOA_Y
ClientSampled :

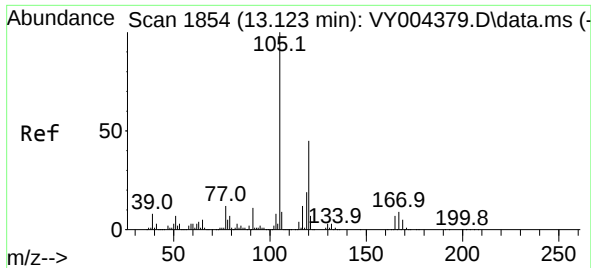
Tgt Ion: 91 Resp: 3216
Ion Ratio Lower Upper
91 100
120 25.1 11.5 34.4



#81
trans-1,4-Dichloro-2-butene
Concen: 103.61 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY004445.D
Acq: 15 Apr 2021 16:54

Tgt Ion: 75 Resp: 13716
Ion Ratio Lower Upper
75 100
53 0.0 75.0 112.6#
89 3.5 36.1 54.1#

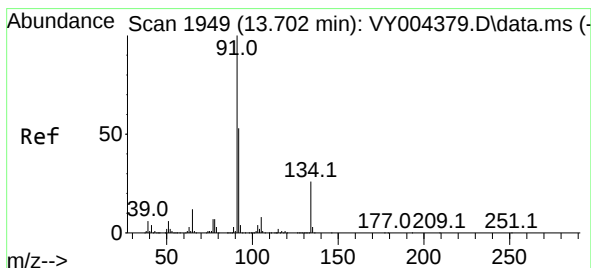
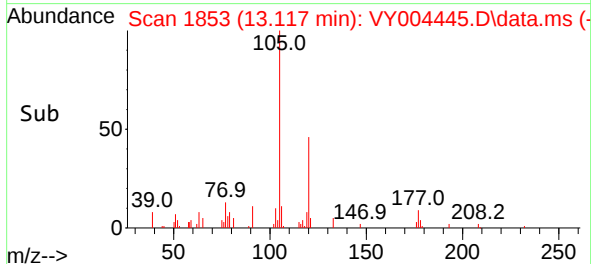
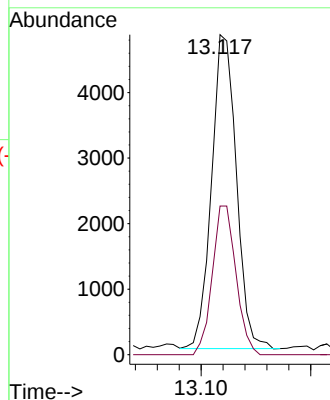
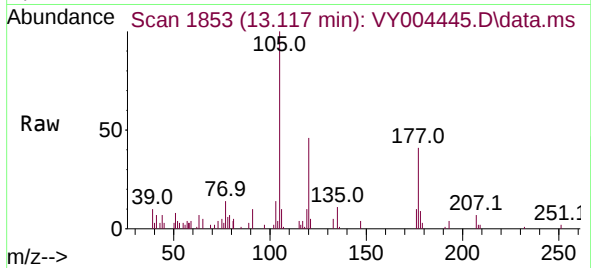




#84
1,2,4-Trimethylbenzene
Concen: 5.39 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY004445.D
Acq: 15 Apr 2021 16:54

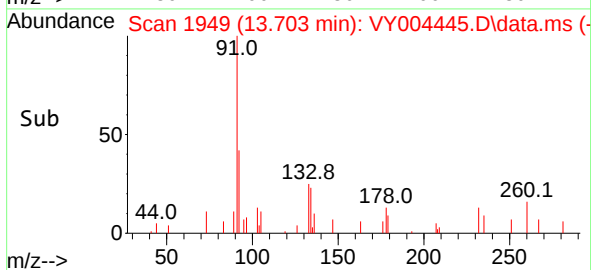
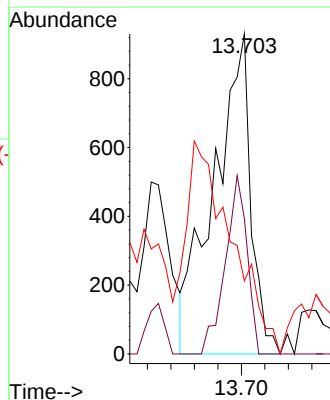
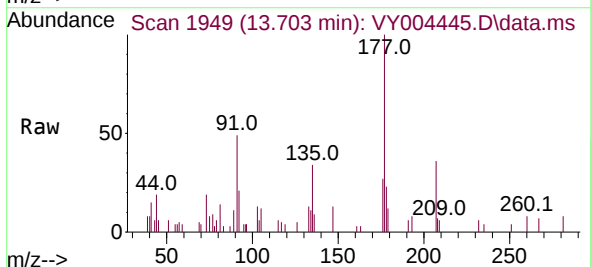
Instrument :
MSVOA_Y
ClientSampled :

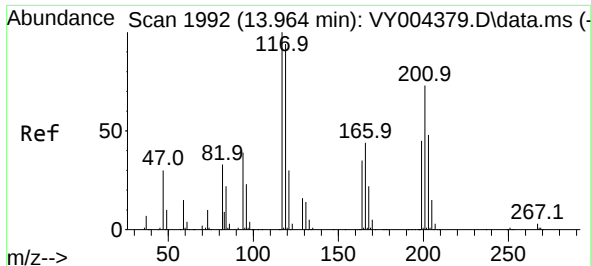
Tgt Ion:105 Resp: 7538
Ion Ratio Lower Upper
105 100
120 45.1 22.4 67.3



#89
n-Butylbenzene
Concen: 1.40 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VY004445.D
Acq: 15 Apr 2021 16:54

Tgt Ion: 91 Resp: 2017
Ion Ratio Lower Upper
91 100
92 33.0 26.6 79.8
134 0.0 12.7 38.1#

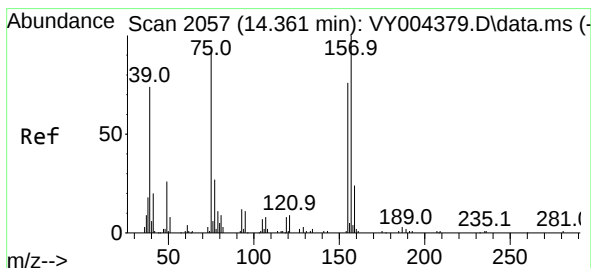
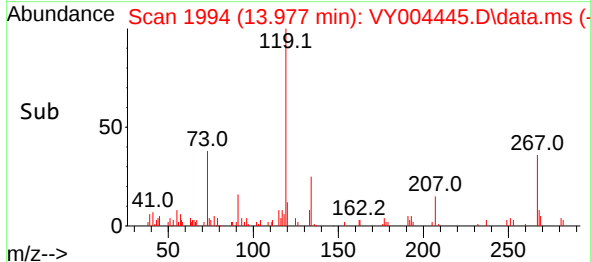
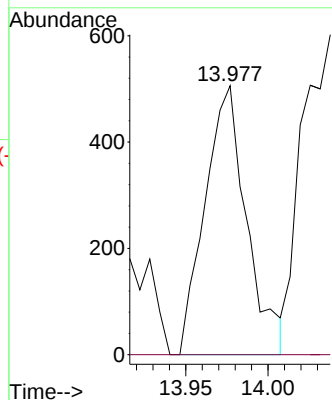
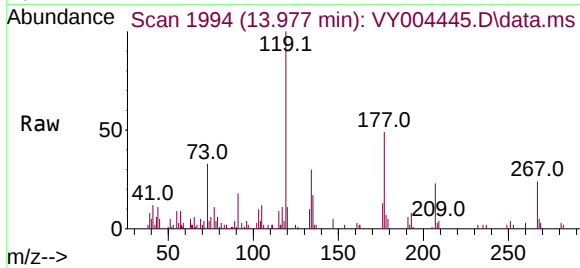




#90
Hexachloroethane
Concen: 4.42 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.012 min
Lab File: VY004445.D
Acq: 15 Apr 2021 16:54

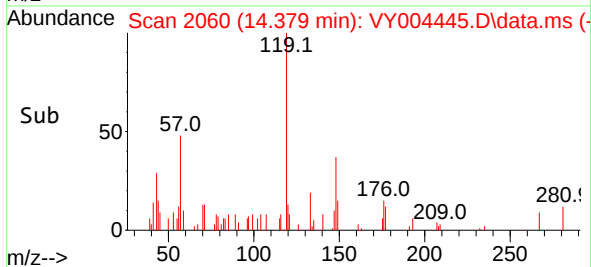
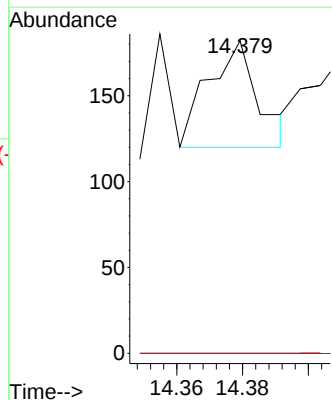
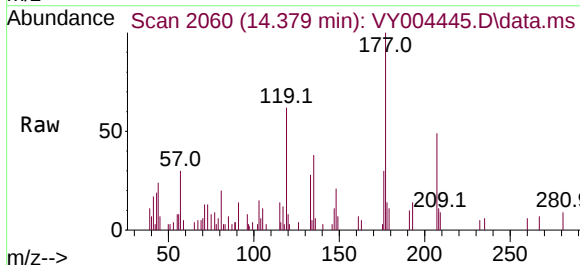
Instrument :
MSVOA_Y
ClientSampled :

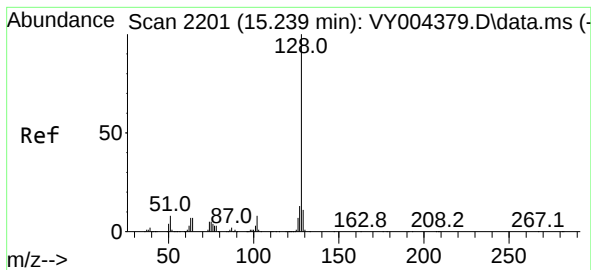
Tgt Ion:117 Resp: 892
Ion Ratio Lower Upper
117 100
201 0.0 36.6 109.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.12 ug/l
RT: 14.379 min Scan# 2060
Delta R.T. 0.019 min
Lab File: VY004445.D
Acq: 15 Apr 2021 16:54

Tgt Ion: 75 Resp: 65
Ion Ratio Lower Upper
75 100
155 0.0 40.6 121.8#
157 0.0 53.0 159.0#





#95
Naphthalene
Concen: 9.00 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY004445.D
Acq: 15 Apr 2021 16:54

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 8200
Ion Ratio Lower Upper
128 100
127 14.8 10.2 15.2
129 12.3 8.8 13.2

