

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083021\
 Data File : VY005893.D
 Acq On : 30 Aug 2021 15:04
 Operator : SY/MD
 Sample : M3574-01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TPR-12-13-COMP

Quant Time: Aug 31 02:51:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:52:05 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	112122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	158914	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	154740	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	75120	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	58447	51.497	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.000%
35) Dibromofluoromethane	7.722	113	53870	60.547	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	121.100%
50) Toluene-d8	10.185	98	202707	54.324	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.640%
62) 4-Bromofluorobenzene	12.483	95	64775	52.421	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	104.840%

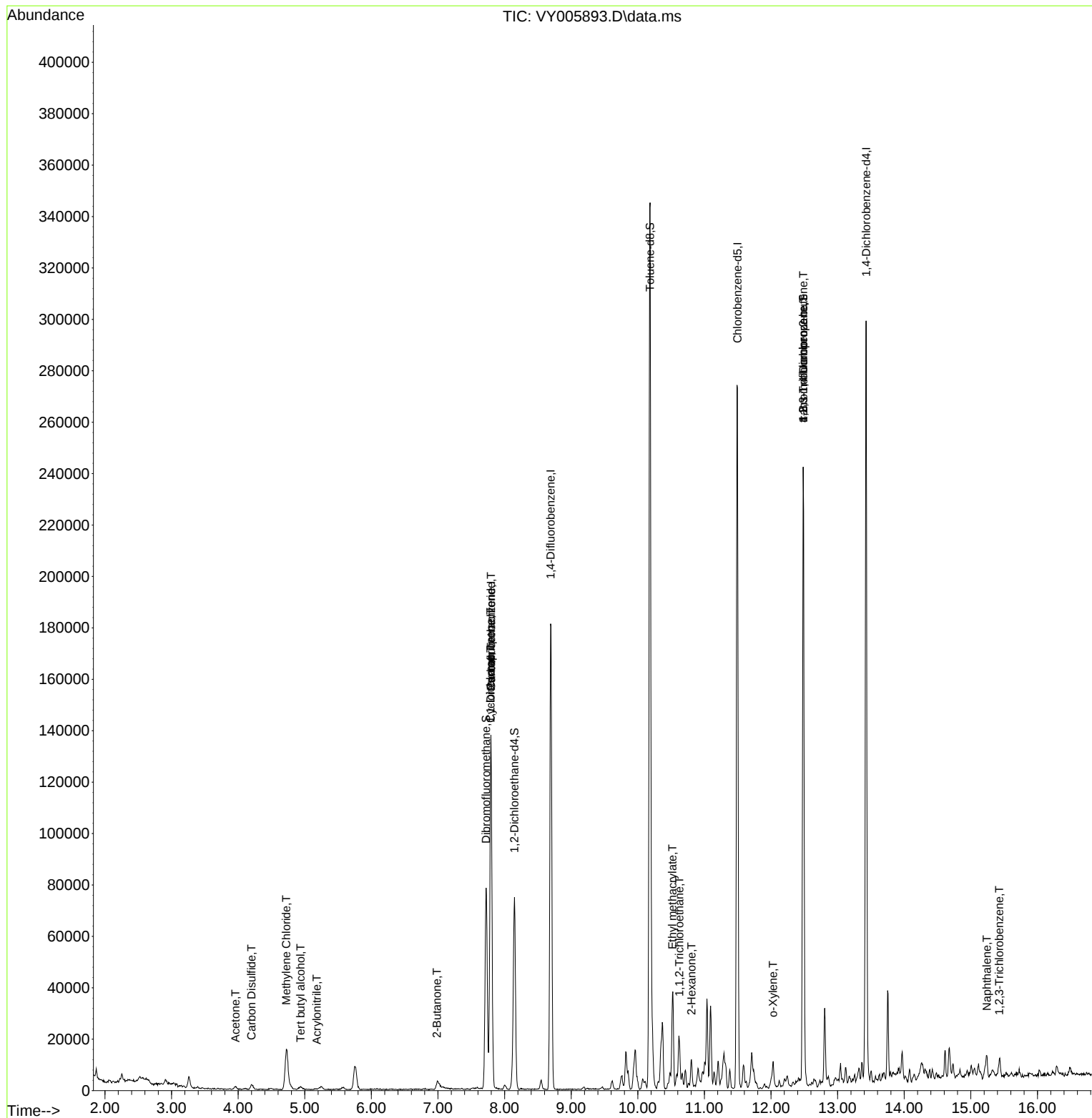
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.936	59	1328	11.836	ug/l #	73
15) Acrylonitrile	5.180	53	419	1.327	ug/l #	50
16) Acetone	3.960	43	1871	6.539	ug/l	99
17) Carbon Disulfide	4.198	76	3247	1.090	ug/l #	92
20) Methylene Chloride	4.722	84	11907	5.045	ug/l #	85
25) 2-Butanone	6.984	43	817	1.932	ug/l	91
31) Cyclohexane	7.789	56	2488	1.278	ug/l #	36
36) 1,1-Dichloropropene	7.789	75	7550	5.065	ug/l #	49
38) Carbon Tetrachloride	7.795	117	9935	6.133	ug/l #	18
55) 1,1,2-Trichloroethane	10.624	97	8109	9.492	ug/l #	20
56) Ethyl methacrylate	10.520	69	3887	3.039	ug/l #	2
59) 2-Hexanone	10.807	43	4933	7.752	ug/l #	27
69) o-Xylene	12.032	106	2315	1.098	ug/l	90
76) 1,2,3-Trichloropropane	12.483	75	34361	44.140	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	34361	88.980	ug/l #	11
95) Naphthalene	15.239	128	6736	2.240	ug/l #	97
96) 1,2,3-Trichlorobenzene	15.428	180	1748	1.294	ug/l #	86

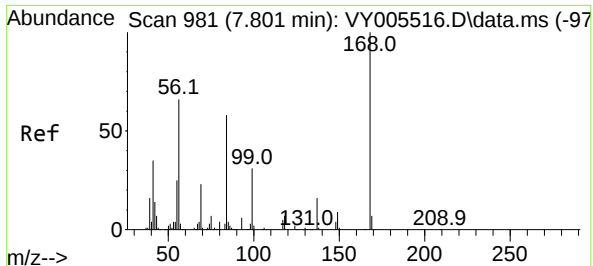
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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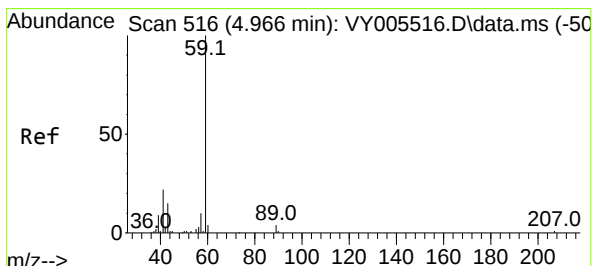
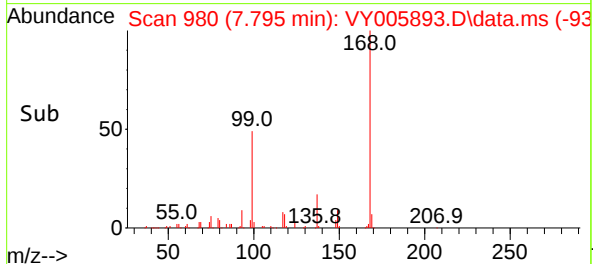
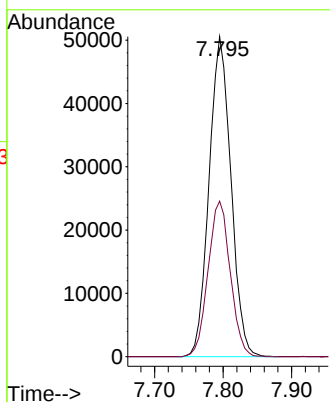
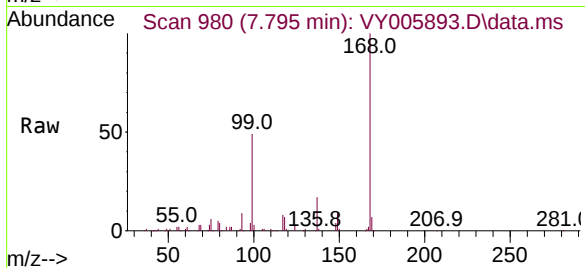




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY005893.D
Acq: 30 Aug 2021 15:04

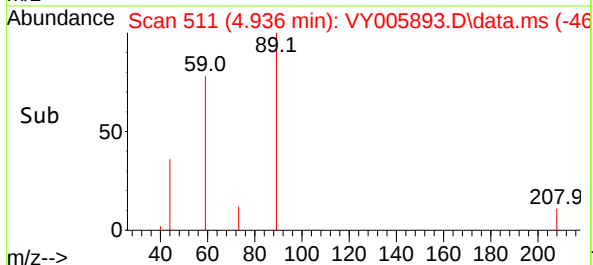
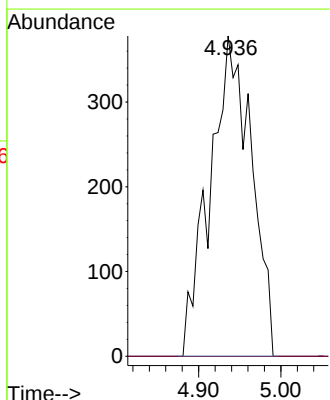
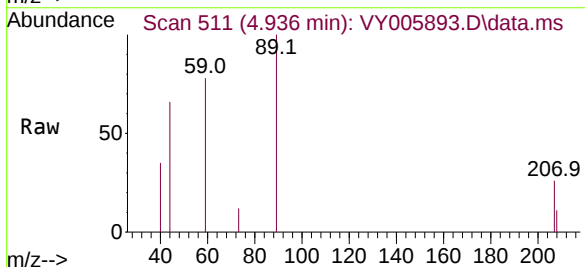
Instrument :
MSVOA_Y
ClientSampleId :
TPR-12-13-COMP

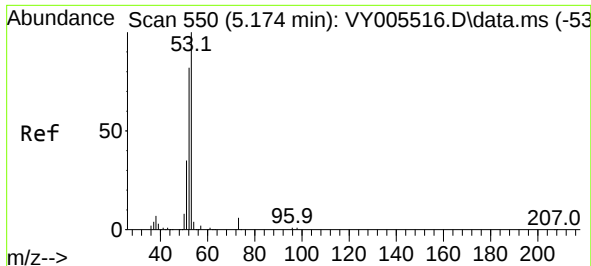
Tgt Ion:168 Resp: 112122
Ion Ratio Lower Upper
168 100
99 48.6 38.9 58.3



#11
Tert butyl alcohol
Concen: 11.836 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.031 min
Lab File: VY005893.D
Acq: 30 Aug 2021 15:04

Tgt Ion: 59 Resp: 1328
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

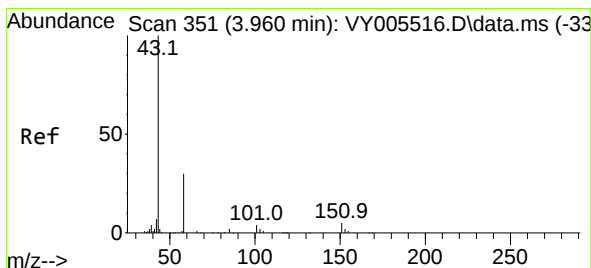
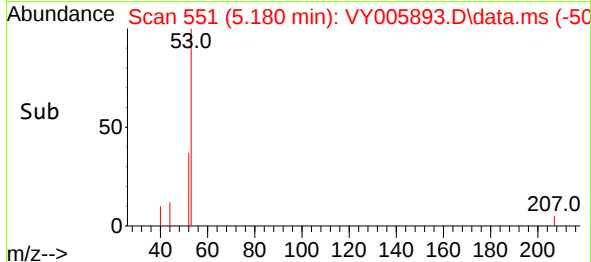
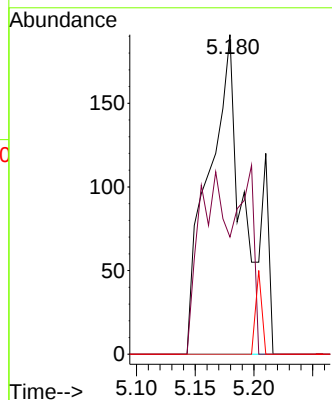
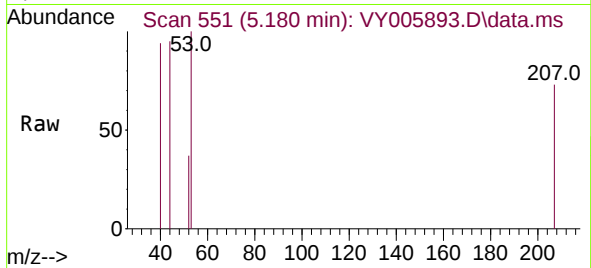




#15
Acrylonitrile
Concen: 1.327 ug/l
RT: 5.180 min Scan# 551
Delta R.T. 0.006 min
Lab File: VY005893.D
Acq: 30 Aug 2021 15:04

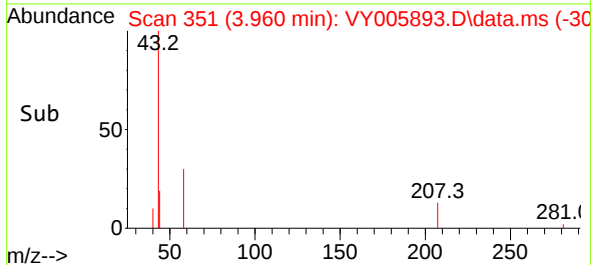
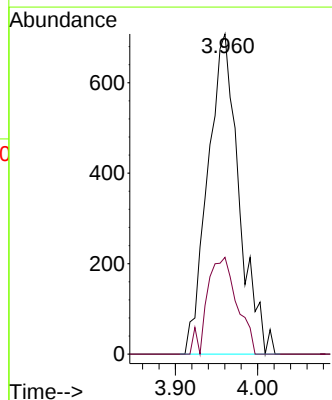
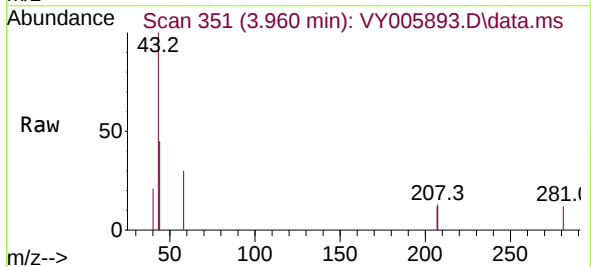
Instrument :
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ClientSampleId :
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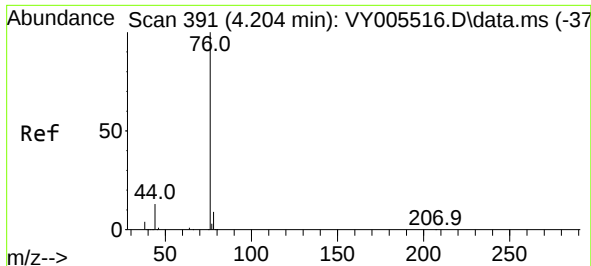
Tgt Ion: 53 Resp: 419
Ion Ratio Lower Upper
53 100
52 43.2 66.6 99.8#
51 0.0 29.9 44.9#



#16
Acetone
Concen: 6.539 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY005893.D
Acq: 30 Aug 2021 15:04

Tgt Ion: 43 Resp: 1871
Ion Ratio Lower Upper
43 100
58 30.2 23.8 35.6

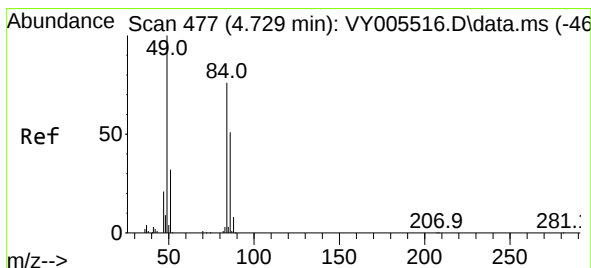
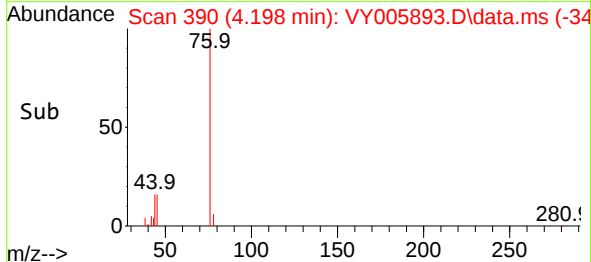
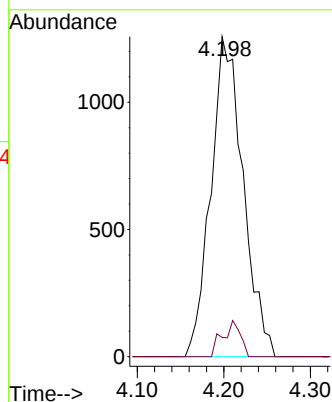
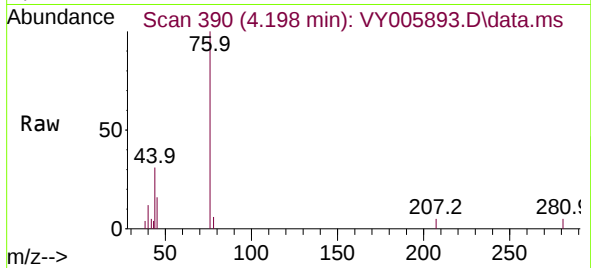




#17
Carbon Disulfide
Concen: 1.090 ug/l
RT: 4.198 min Scan# 390
Delta R.T. -0.006 min
Lab File: VY005893.D
Acq: 30 Aug 2021 15:04

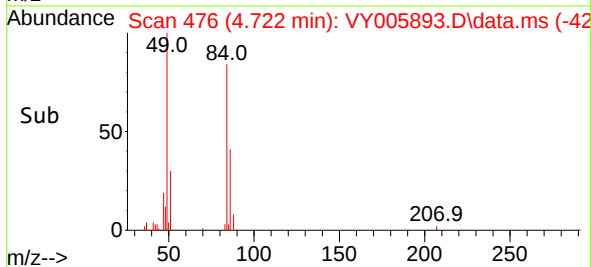
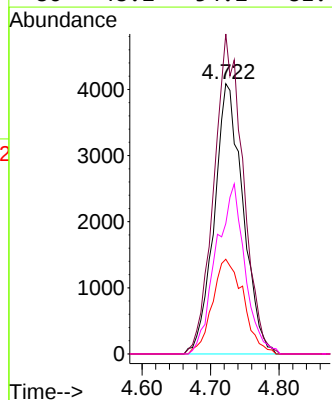
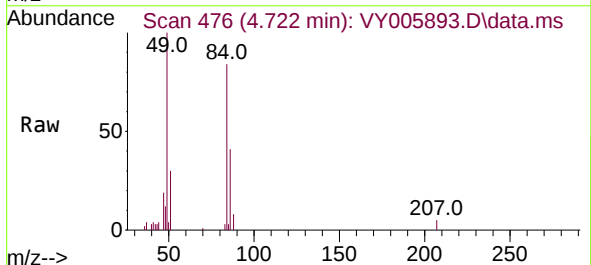
Instrument :
MSVOA_Y
ClientSampleId :
TPR-12-13-COMP

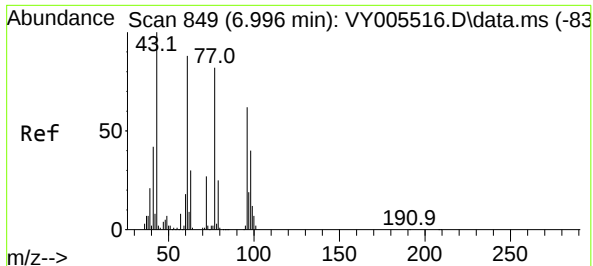
Tgt Ion: 76 Resp: 3247
Ion Ratio Lower Upper
76 100
78 6.0 7.0 10.6#



#20
Methylene Chloride
Concen: 5.045 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.007 min
Lab File: VY005893.D
Acq: 30 Aug 2021 15:04

Tgt Ion: 84 Resp: 11907
Ion Ratio Lower Upper
84 100
49 118.4 105.8 158.6
51 35.0 33.4 50.2
86 48.2 54.2 81.4#





#25

2-Butanone

Concen: 1.932 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.012 min

Lab File: VY005893.D

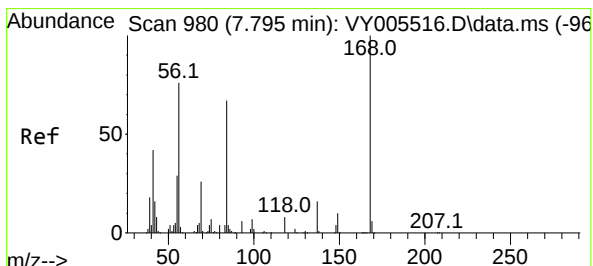
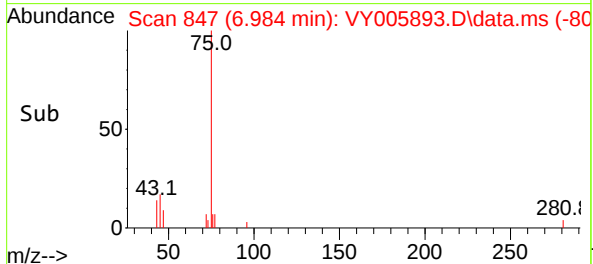
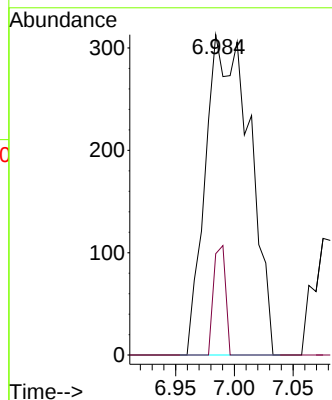
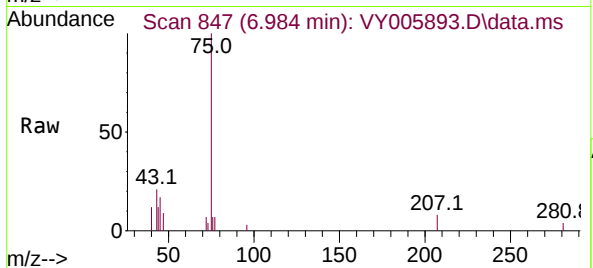
Acq: 30 Aug 2021 15:04

Tgt Ion: 43 Resp: 817

Ion Ratio Lower Upper

43 100

72 31.6 21.4 32.2



#31

Cyclohexane

Concen: 1.278 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.006 min

Lab File: VY005893.D

Acq: 30 Aug 2021 15:04

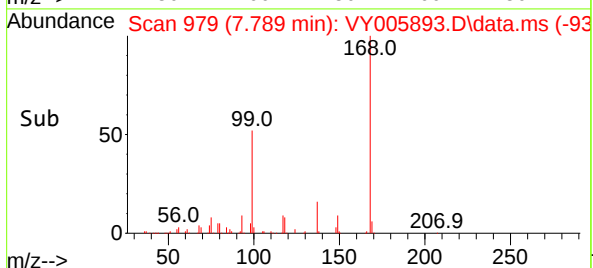
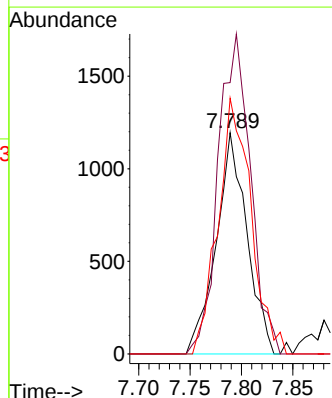
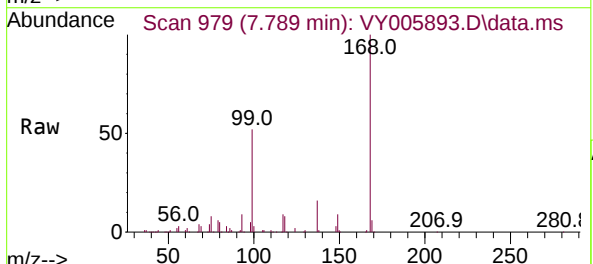
Tgt Ion: 56 Resp: 2488

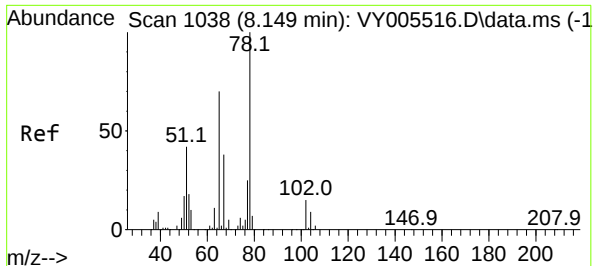
Ion Ratio Lower Upper

56 100

69 122.6 27.7 41.5#

84 115.6 70.9 106.3#

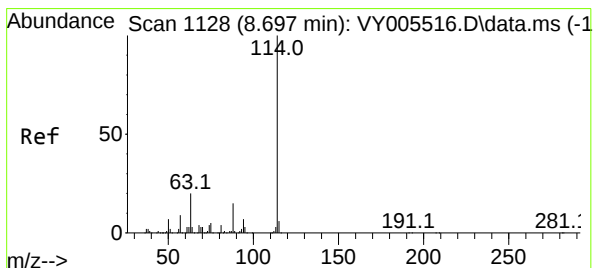
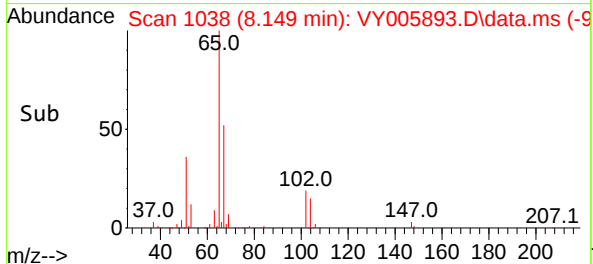
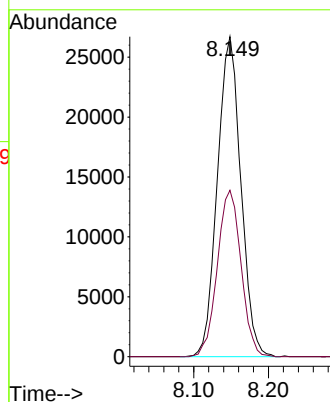
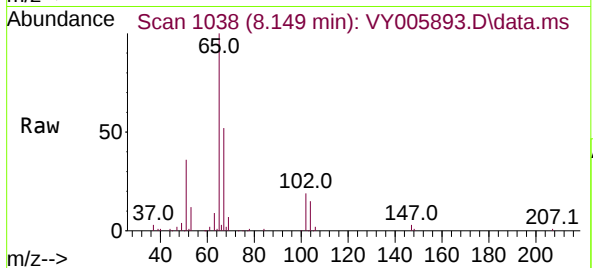




#33
 1,2-Dichloroethane-d4
 Concen: 51.497 ug/l
 RT: 8.149 min Scan# 1038
 Delta R.T. -0.000 min
 Lab File: VY005893.D
 Acq: 30 Aug 2021 15:04

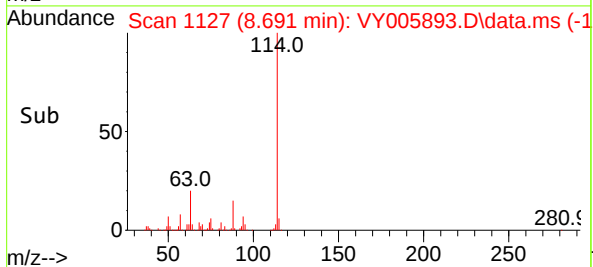
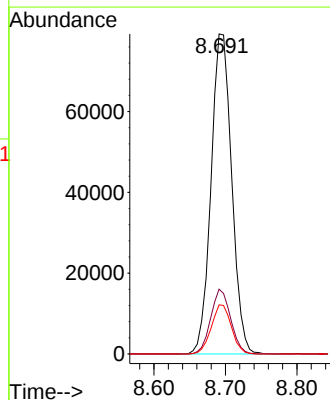
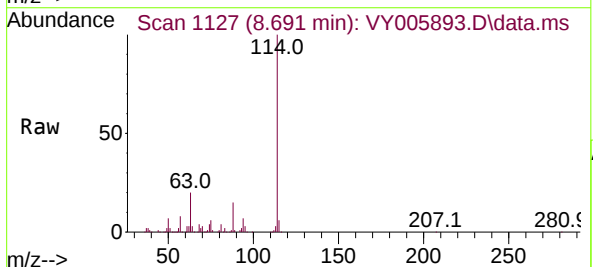
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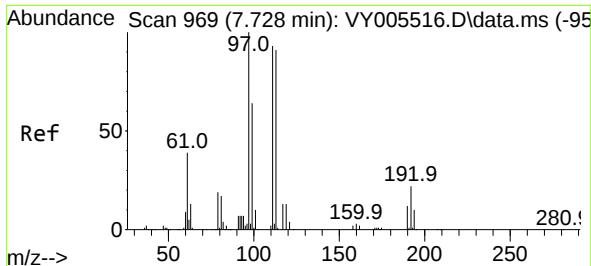
Tgt Ion: 65 Resp: 58447
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. -0.006 min
 Lab File: VY005893.D
 Acq: 30 Aug 2021 15:04

Tgt Ion: 114 Resp: 158914
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.2
 88 15.4 0.0 30.8

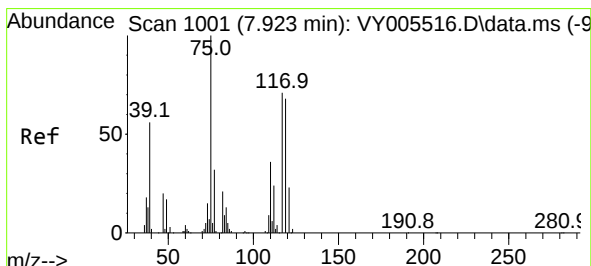
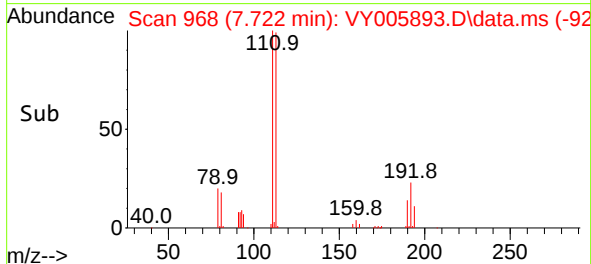
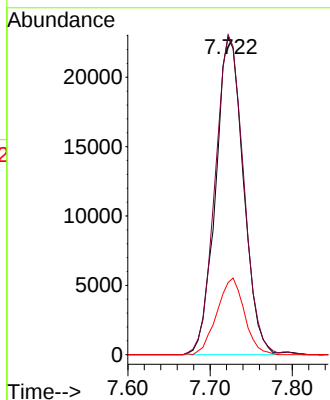
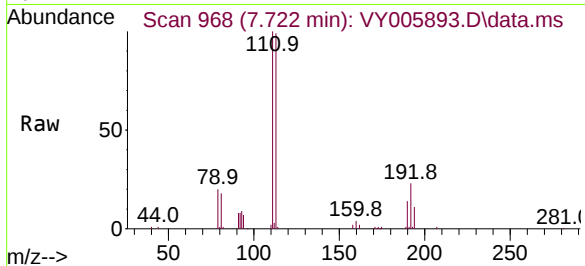




#35
Dibromofluoromethane
Concen: 60.547 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY005893.D
Acq: 30 Aug 2021 15:04

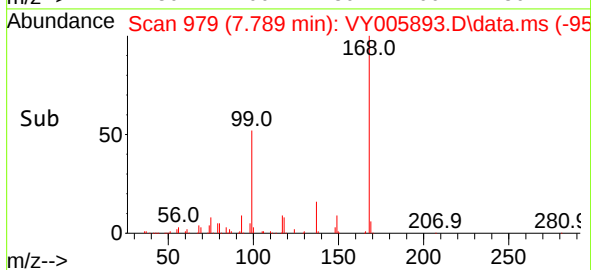
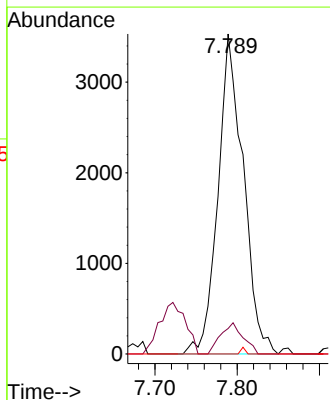
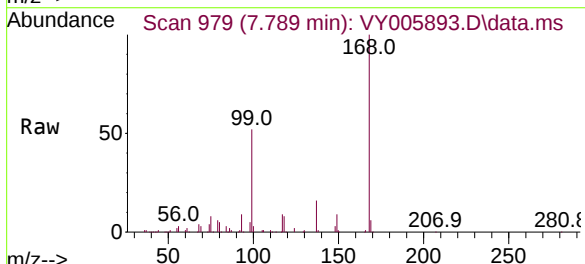
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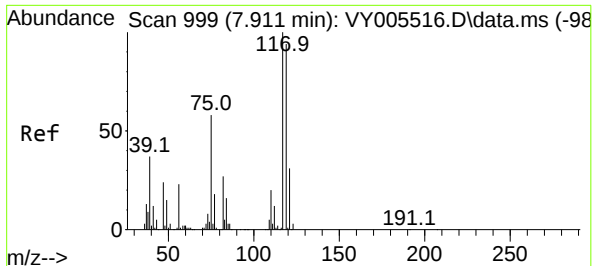
Tgt Ion:113 Resp: 53870
Ion Ratio Lower Upper
113 100
111 103.3 81.9 122.9
192 23.8 19.2 28.8



#36
1,1-Dichloropropene
Concen: 5.065 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY005893.D
Acq: 30 Aug 2021 15:04

Tgt Ion: 75 Resp: 7550
Ion Ratio Lower Upper
75 100
110 8.6 18.1 54.1#
77 0.4 25.1 37.7#

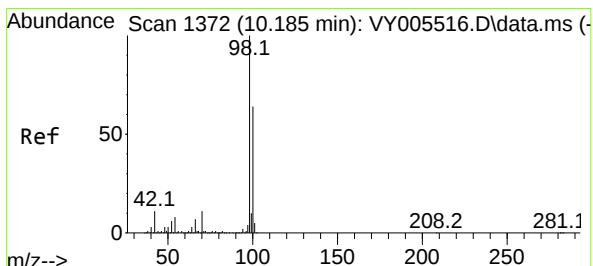
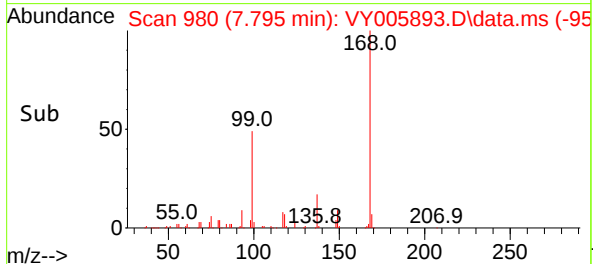
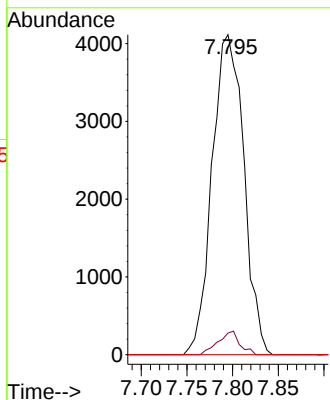
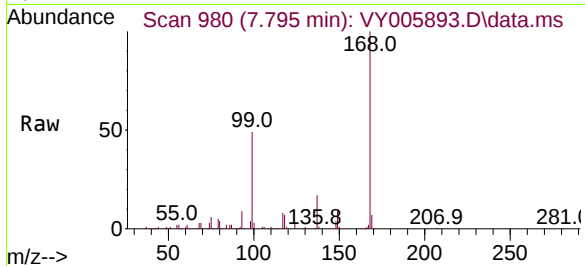




#38
Carbon Tetrachloride
Concen: 6.133 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY005893.D
Acq: 30 Aug 2021 15:04

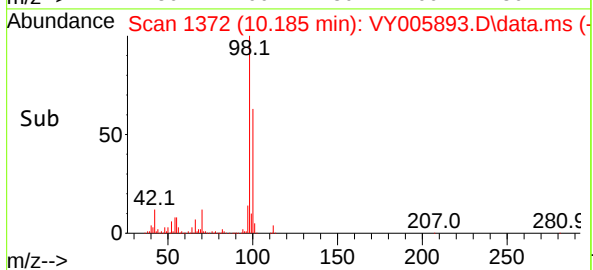
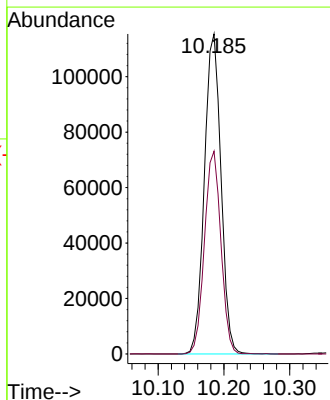
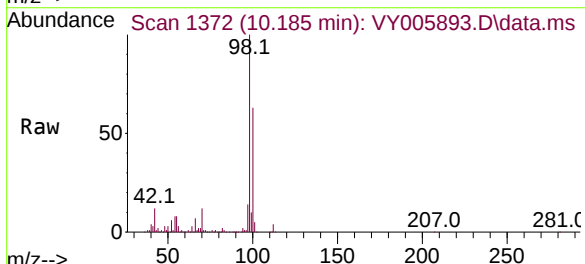
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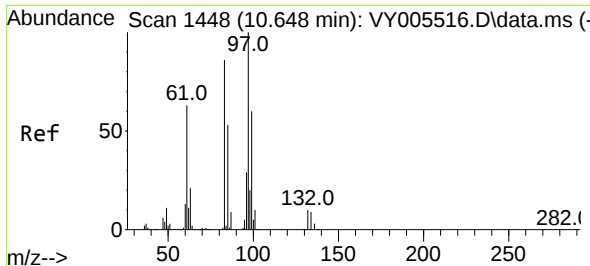
Tgt Ion:117 Resp: 9935
Ion Ratio Lower Upper
117 100
119 6.8 75.4 113.0#
121 0.0 25.1 37.7#



#50
Toluene-d8
Concen: 54.324 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY005893.D
Acq: 30 Aug 2021 15:04

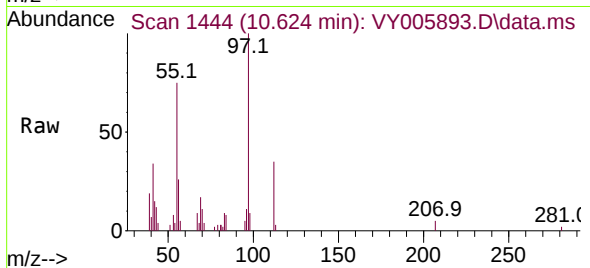
Tgt Ion: 98 Resp: 202707
Ion Ratio Lower Upper
98 100
100 62.7 51.3 76.9



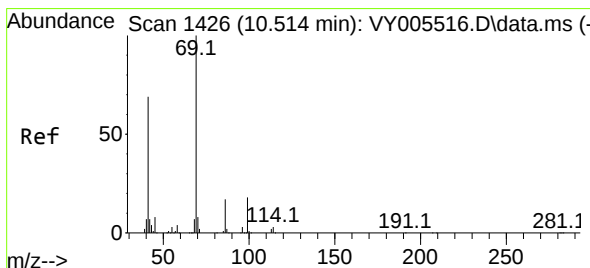
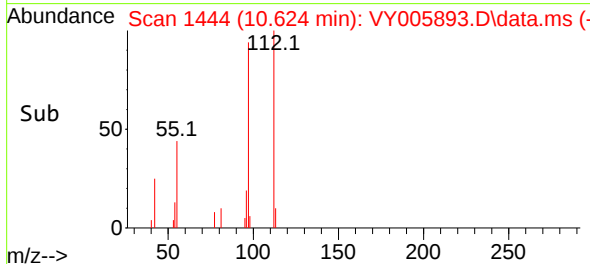
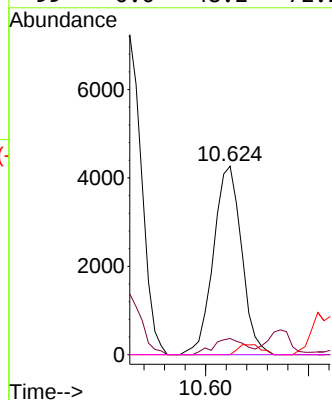


#55
1,1,2-Trichloroethane
Concen: 9.492 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.025 min
Lab File: VY005893.D
Acq: 30 Aug 2021 15:04

Instrument :
MSVOA_Y
ClientSampleId :
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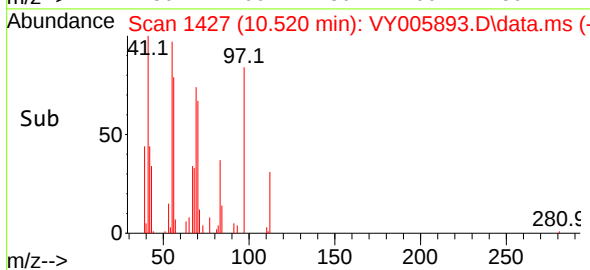
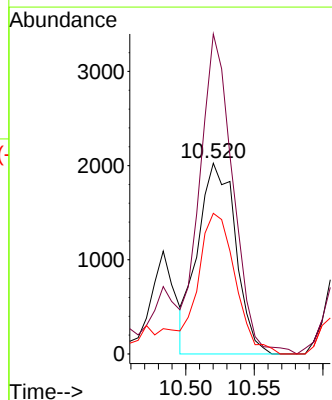
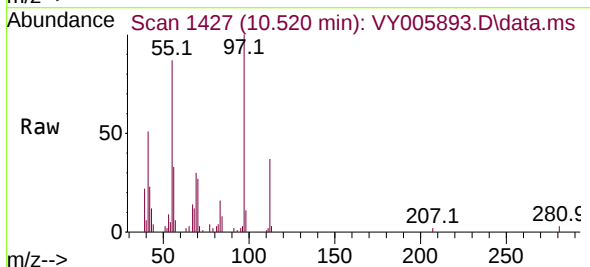


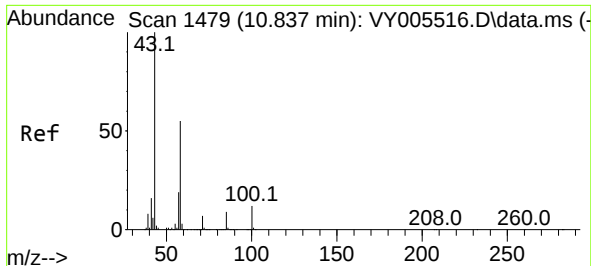
Tgt Ion:	97	Resp:	8109
Ion	Ratio	Lower	Upper
97	100		
83	8.6	68.7	103.1#
85	0.0	42.4	63.6#
99	0.0	48.2	72.2#



#56
Ethyl methacrylate
Concen: 3.039 ug/l
RT: 10.520 min Scan# 1427
Delta R.T. 0.006 min
Lab File: VY005893.D
Acq: 30 Aug 2021 15:04

Tgt Ion:	69	Resp:	3887
Ion	Ratio	Lower	Upper
69	100		
41	146.4	53.9	80.9#
39	89.0	27.0	40.4#

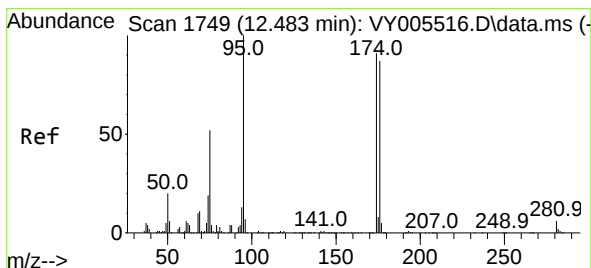
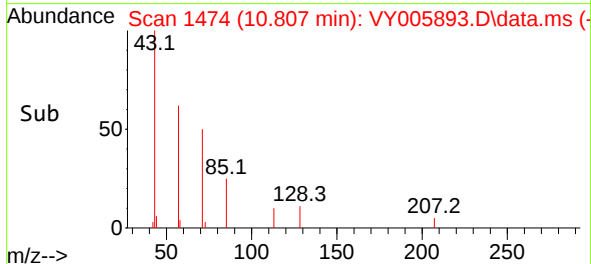
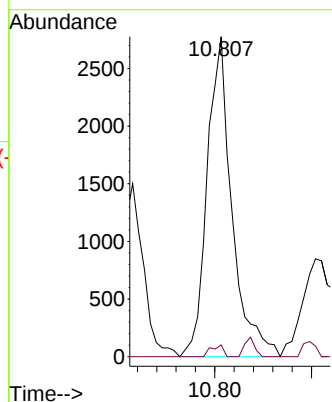
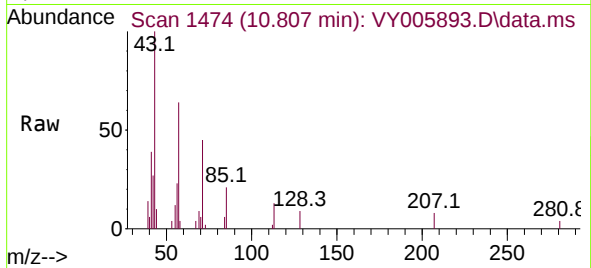




#59
2-Hexanone
Concen: 7.752 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.031 min
Lab File: VY005893.D
Acq: 30 Aug 2021 15:04

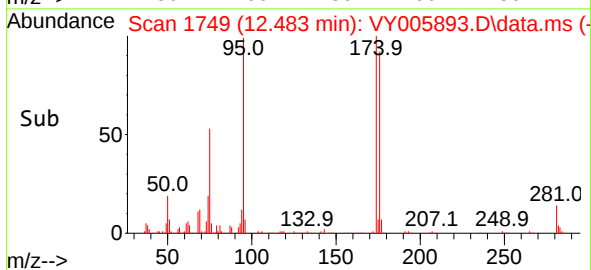
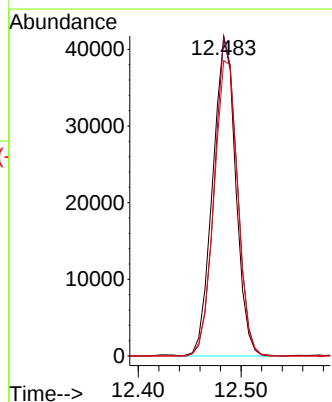
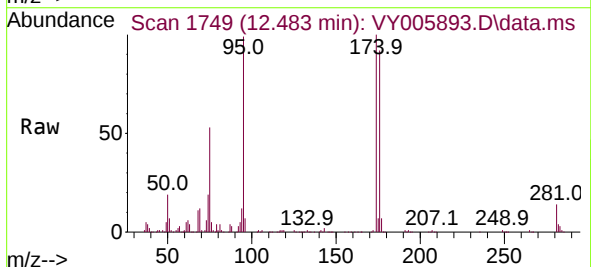
Instrument :
MSVOA_Y
ClientSampleId :
TPR-12-13-COMP

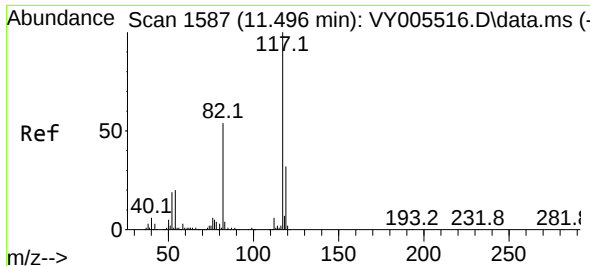
Tgt Ion: 43 Resp: 4933
Ion Ratio Lower Upper
43 100
58 1.8 27.1 81.2#



#62
4-Bromofluorobenzene
Concen: 52.421 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005893.D
Acq: 30 Aug 2021 15:04

Tgt Ion: 95 Resp: 64775
Ion Ratio Lower Upper
95 100
174 98.0 0.0 191.4
176 95.2 0.0 183.6

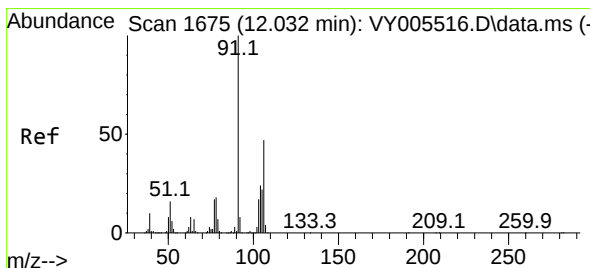
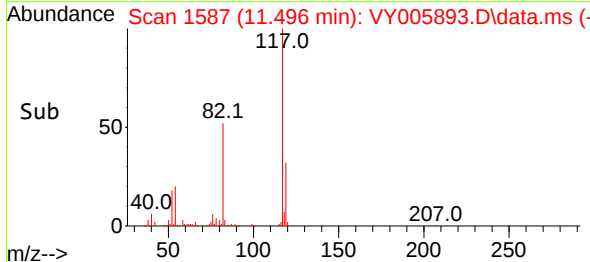
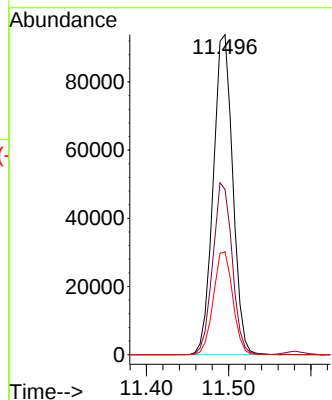
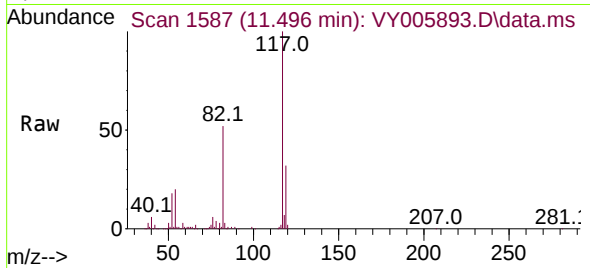




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY005893.D
Acq: 30 Aug 2021 15:04

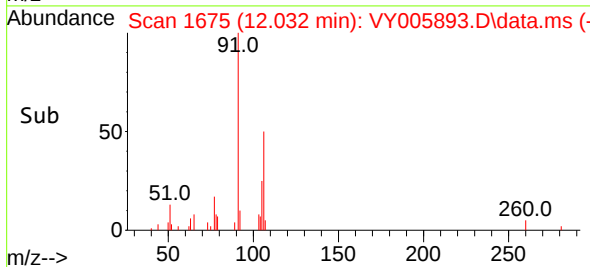
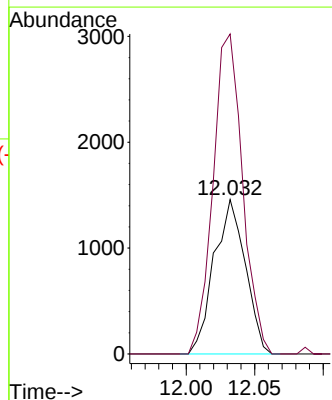
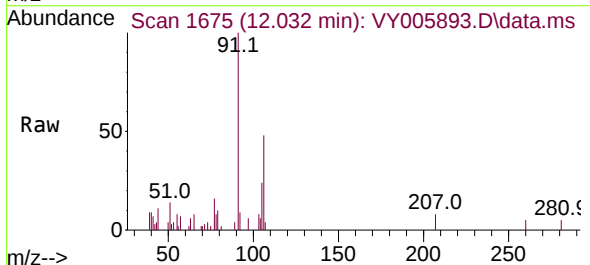
Instrument :
MSVOA_Y
ClientSampleId :
TPR-12-13-COMP

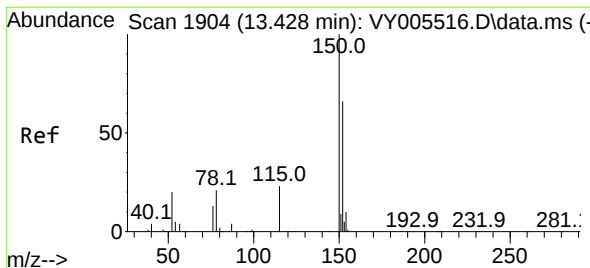
Tgt Ion:	117	Resp:	154740
Ion	Ratio	Lower	Upper
117	100		
82	51.6	43.5	65.3
119	32.2	25.5	38.3



#69
o-Xylene
Concen: 1.098 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY005893.D
Acq: 30 Aug 2021 15:04

Tgt Ion:	106	Resp:	2315
Ion	Ratio	Lower	Upper
106	100		
91	196.0	106.2	318.6

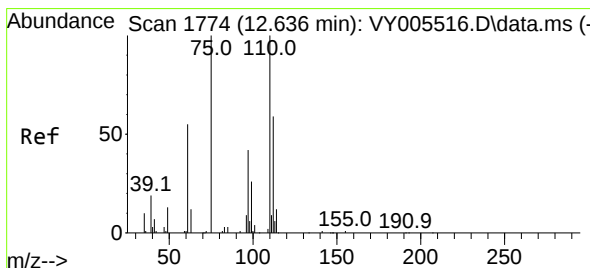
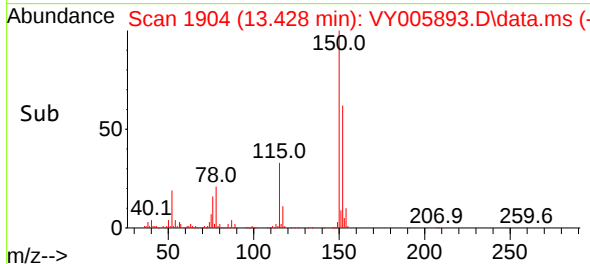
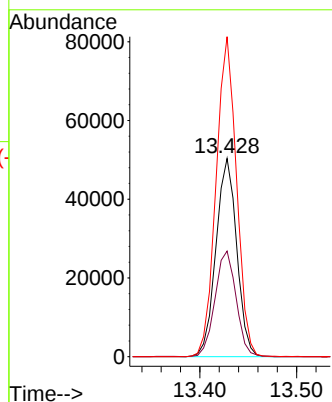
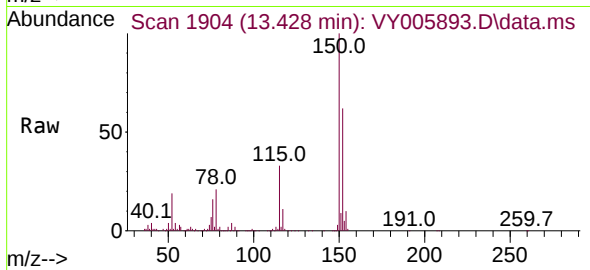




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY005893.D
 Acq: 30 Aug 2021 15:04

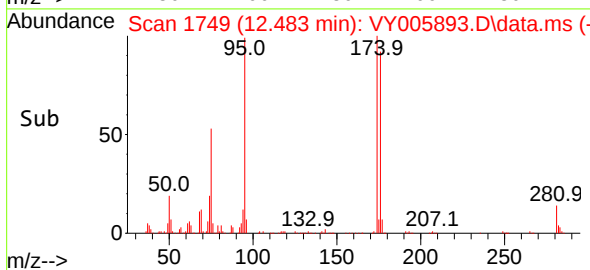
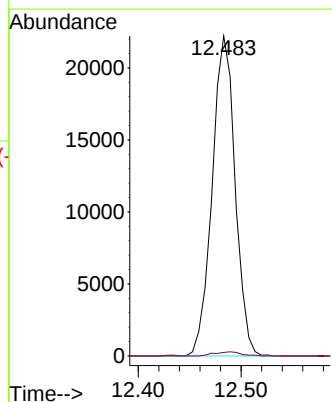
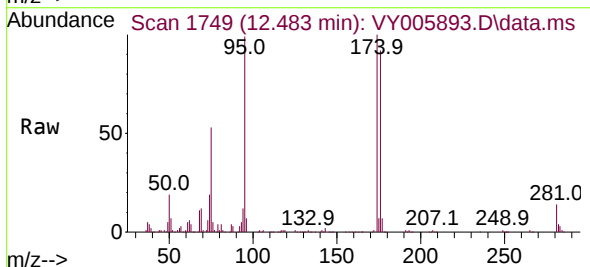
Instrument :
 MSVOA_Y
 ClientSampleId :
 TPR-12-13-COMP

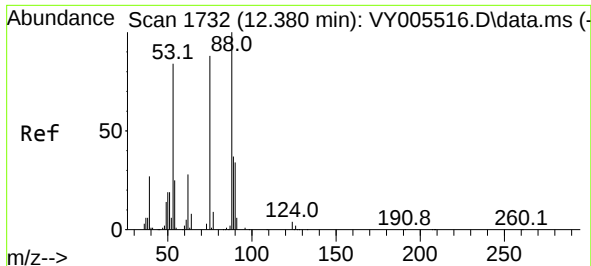
Tgt Ion:152 Resp: 75120
 Ion Ratio Lower Upper
 152 100
 115 54.2 27.3 81.9
 150 158.8 0.0 350.2



#76
 1,2,3-Trichloropropane
 Concen: 44.140 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY005893.D
 Acq: 30 Aug 2021 15:04

Tgt Ion: 75 Resp: 34361
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#

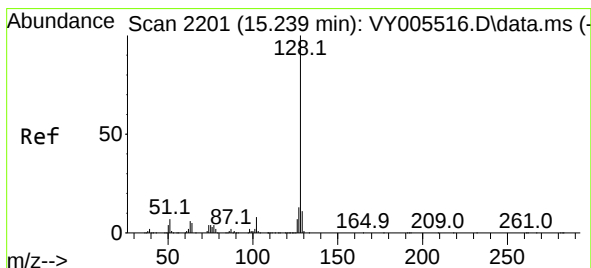
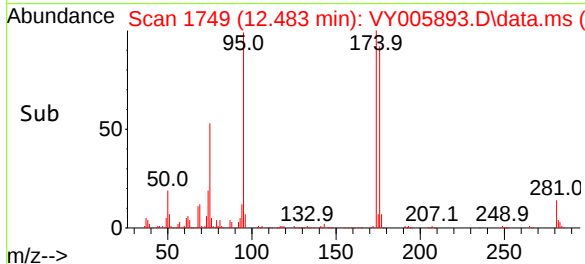
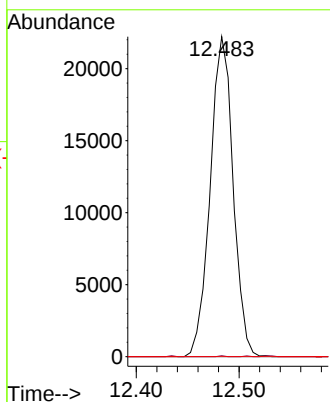
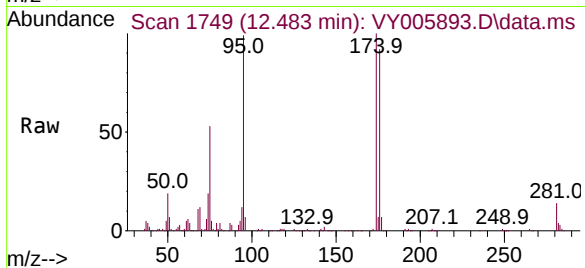




#81
trans-1,4-Dichloro-2-butene
Concen: 88.980 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY005893.D
Acq: 30 Aug 2021 15:04

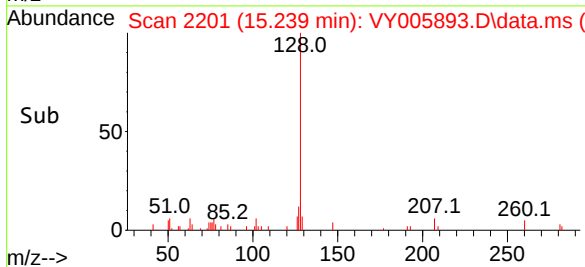
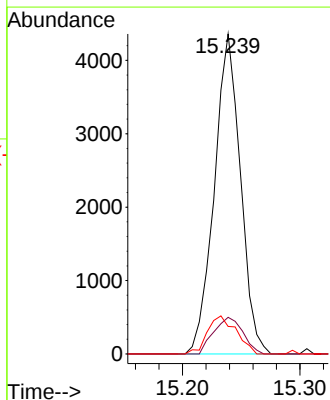
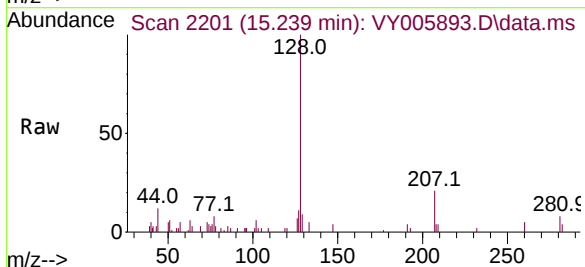
Instrument :
MSVOA_Y
ClientSampleId :
TPR-12-13-COMP

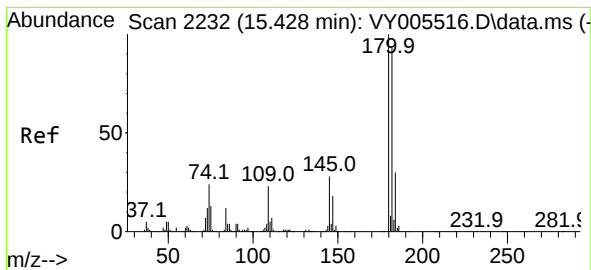
Tgt Ion: 75 Resp: 34361
Ion Ratio Lower Upper
75 100
53 0.1 76.7 115.1#
89 0.0 38.4 57.6#



#95
Naphthalene
Concen: 2.240 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY005893.D
Acq: 30 Aug 2021 15:04

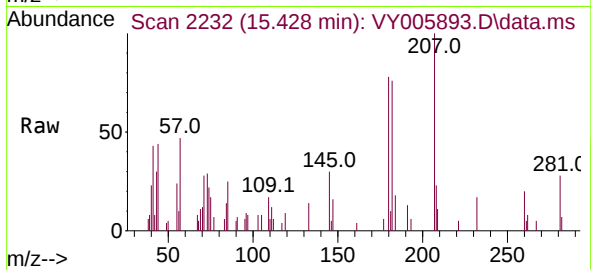
Tgt Ion:128 Resp: 6736
Ion Ratio Lower Upper
128 100
127 12.7 10.6 15.8
129 13.1 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.294 ug/l
 RT: 15.428 min Scan# 2232
 Delta R.T. -0.000 min
 Lab File: VY005893.D
 Acq: 30 Aug 2021 15:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 TPR-12-13-COMP



Tgt Ion:	180	Resp:	1748
Ion Ratio	Lower	Upper	
180	100		
182	92.7	47.9	143.6
145	55.7	14.6	44.0#

