

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070721\
 Data File : VY005363.D
 Acq On : 07 Jul 2021 14:04
 Operator : SY/MD
 Sample : M2933-04
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 08 02:04:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 07:57:52 2021
 Response via : Initial Calibration

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

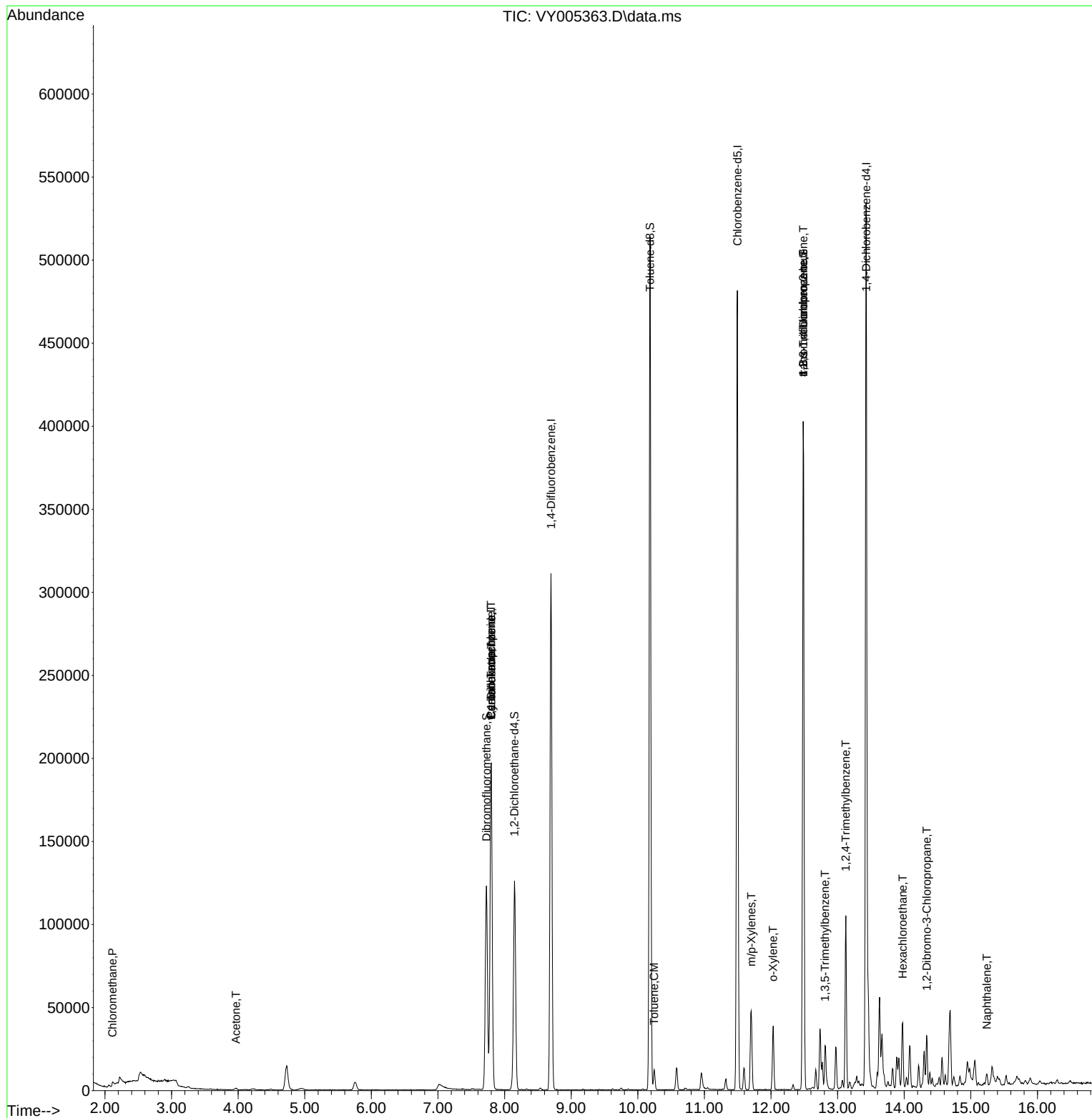
Internal Standards						
1) Pentafluorobenzene	7.801	168	170209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	272956	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	271502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	139605	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	96147	68.069	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 136.140%			
35) Dibromofluoromethane	7.728	113	85615	53.185	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.360%			
50) Toluene-d8	10.184	98	335037	52.044	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.080%			
62) 4-Bromofluorobenzene	12.483	95	116036	54.091	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.180%			
Target Compounds			Qvalue			
3) Chloromethane	2.113	50	1812	1.216	ug/l	99
11) Tert butyl alcohol	4.960	59	1760	Below Cal	#	77
16) Acetone	3.966	43	1619	4.962	ug/l	99
20) Methylene Chloride	4.728	84	11131	Below Cal		97
31) Cyclohexane	7.801	56	3196	1.267	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	11249	4.680	ug/l #	47
38) Carbon Tetrachloride	7.795	117	14487	5.758	ug/l #	16
52) Toluene	10.245	92	4992	1.102	ug/l	99
68) m/p-Xylenes	11.702	106	15192	4.086	ug/l	99
69) o-Xylene	12.032	106	10313	2.930	ug/l	99
76) 1,2,3-Trichloropropane	12.483	75	58118	46.940	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	12153	1.622	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.483	75	58118	87.579	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.123	105	52403	7.076	ug/l	99
90) Hexachloroethane	13.976	117	1913	1.263	ug/l #	2
92) 1,2-Dibromo-3-Chloropr...	14.336	75	325	1.094	ug/l #	1
95) Naphthalene	15.238	128	6065	1.147	ug/l #	96

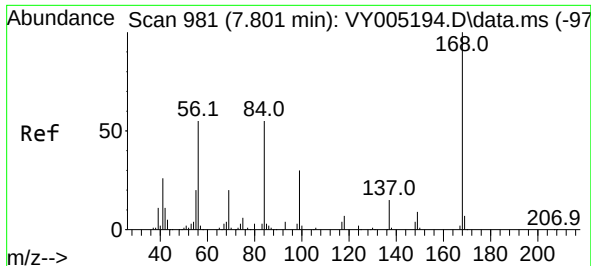
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_Y
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Quant Time: Jul 08 02:04:21 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 23 07:57:52 2021
Response via : Initial Calibration

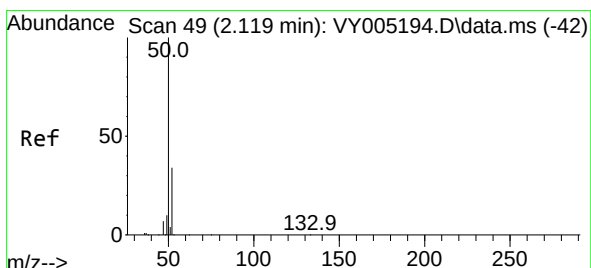
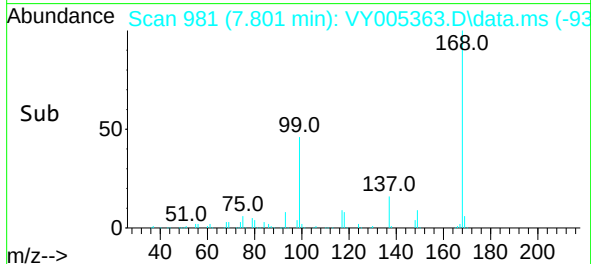
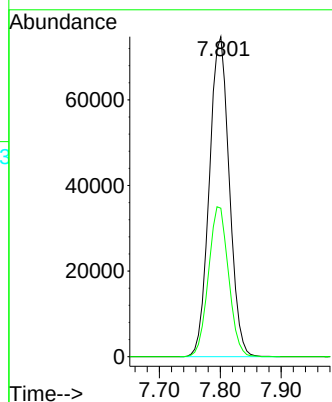
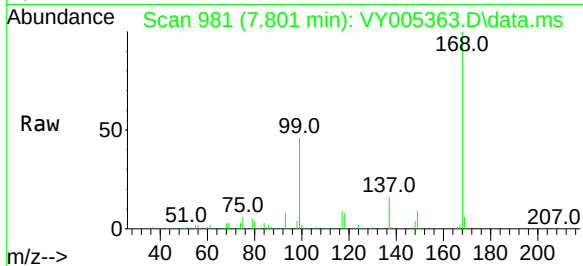




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY005363.D
Acq: 07 Jul 2021 14:04

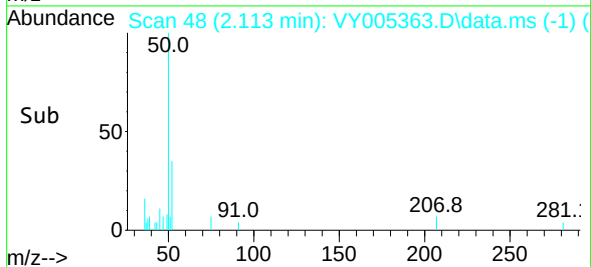
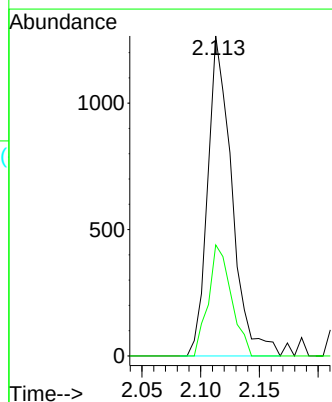
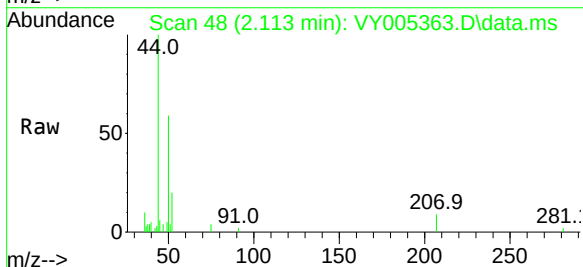
Instrument :
MSVOA_Y
ClientSampleId :

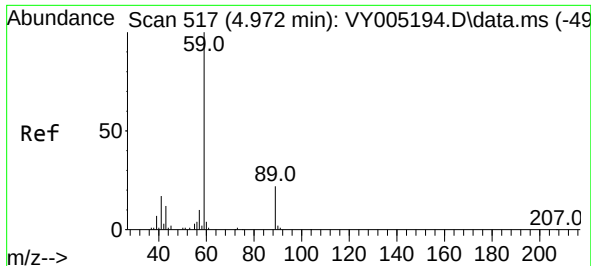
Tgt Ion:168 Resp: 170209
Ion Ratio Lower Upper
168 100
99 46.4 36.2 54.4



#3
Chloromethane
Concen: 1.216 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY005363.D
Acq: 07 Jul 2021 14:04

Tgt Ion: 50 Resp: 1812
Ion Ratio Lower Upper
50 100
52 34.7 27.4 41.2

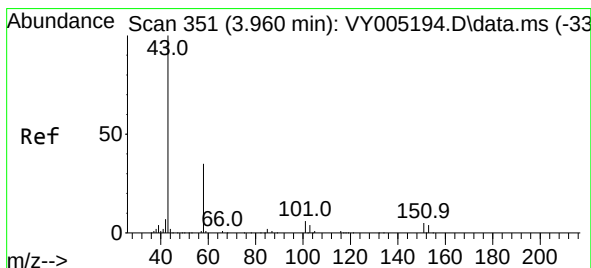
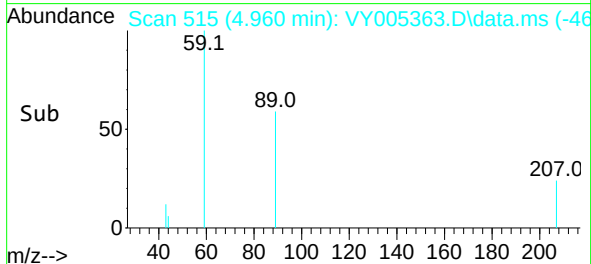
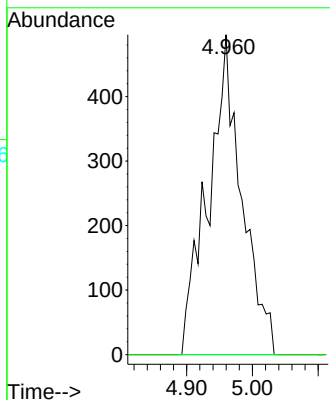
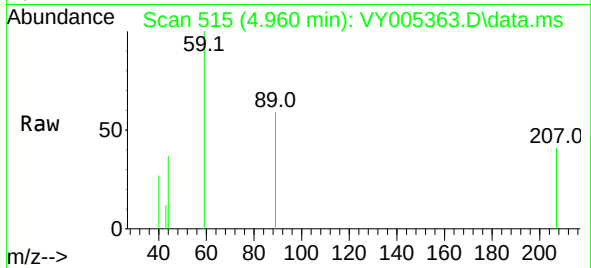




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY005363.D
Acq: 07 Jul 2021 14:04

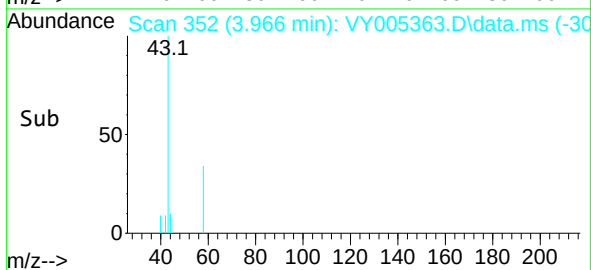
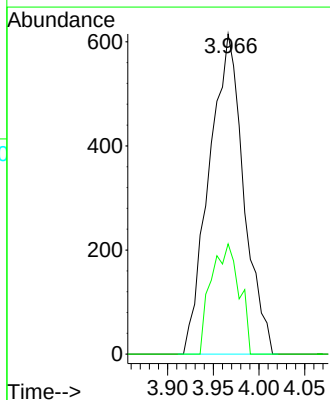
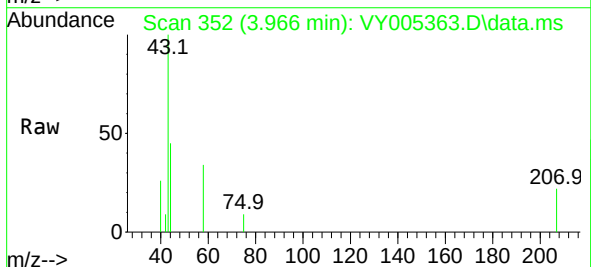
Instrument :
MSVOA_Y
ClientSampleId :

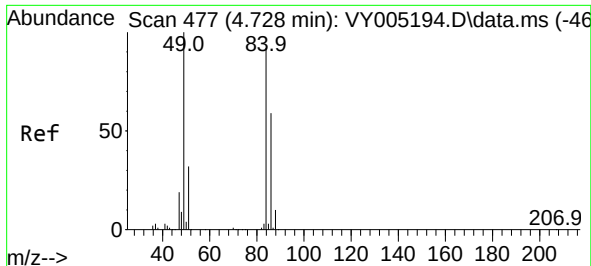
Tgt Ion: 59 Resp: 1760
Ion Ratio Lower Upper
59 100
57 0.0 6.5 9.7#



#16
Acetone
Concen: 4.962 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY005363.D
Acq: 07 Jul 2021 14:04

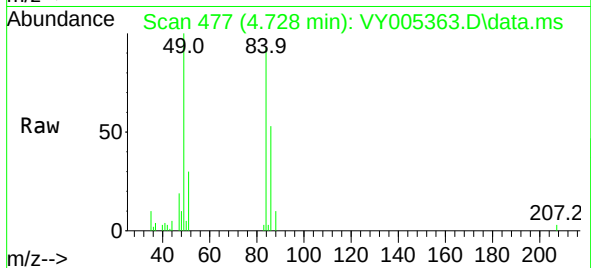
Tgt Ion: 43 Resp: 1619
Ion Ratio Lower Upper
43 100
58 34.5 28.2 42.2



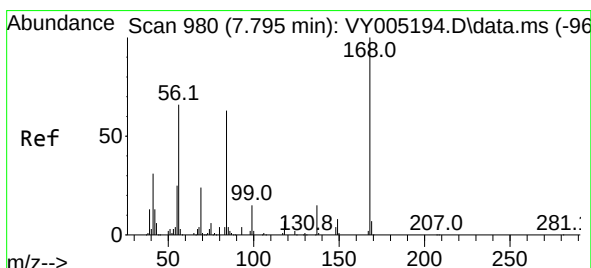
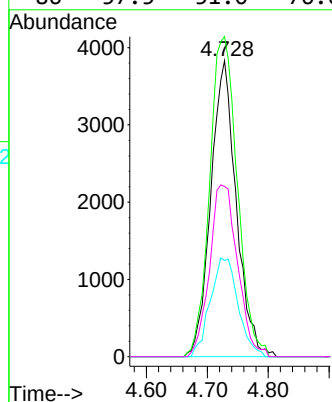
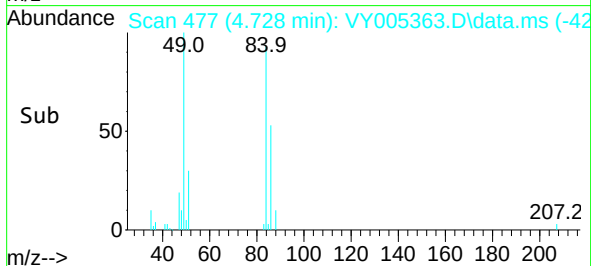


#20
Methylene Chloride
Concen: Below Cal
RT: 4.728 min Scan# 477
Delta R.T. 0.000 min
Lab File: VY005363.D
Acq: 07 Jul 2021 14:04

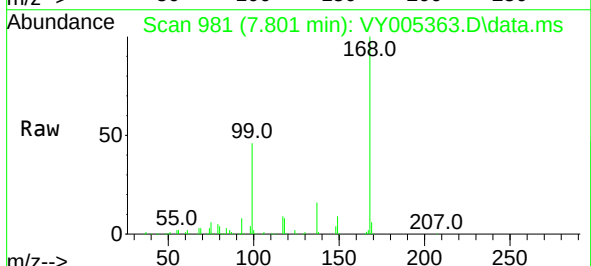
Instrument :
MSVOA_Y
ClientSampleId :



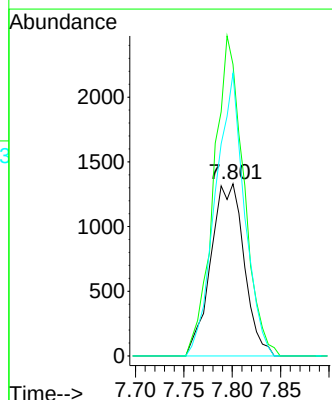
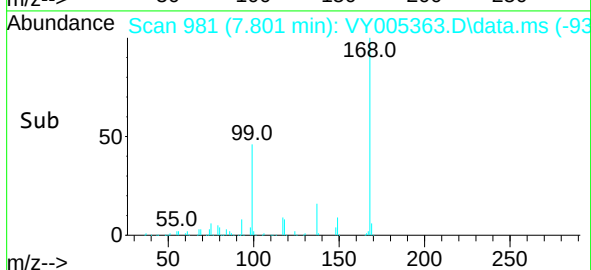
Tgt Ion:	84	Resp:	11131
Ion	Ratio	Lower	Upper
84	100		
49	108.1	86.9	130.3
51	32.5	27.4	41.2
86	57.5	51.0	76.6

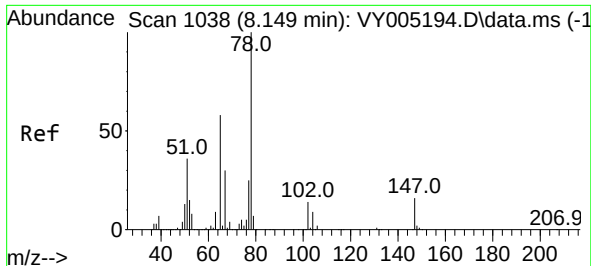


#31
Cyclohexane
Concen: 1.267 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY005363.D
Acq: 07 Jul 2021 14:04



Tgt Ion:	56	Resp:	3196
Ion	Ratio	Lower	Upper
56	100		
69	169.3	29.6	44.4#
84	164.2	76.4	114.6#

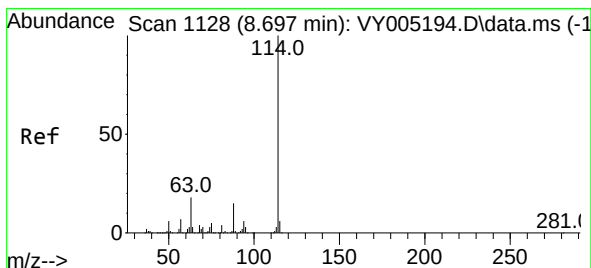
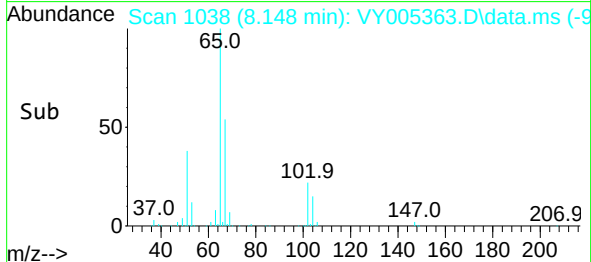
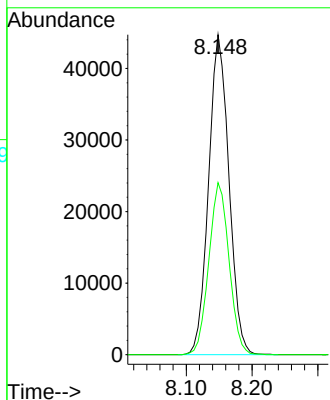
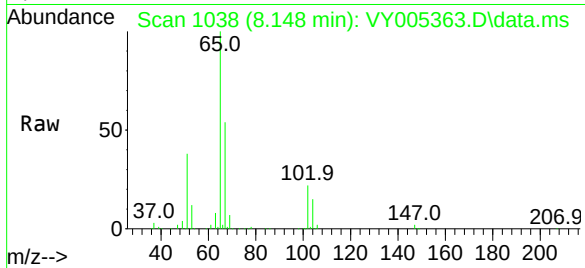




#33
 1,2-Dichloroethane-d4
 Concen: 68.069 ug/l
 RT: 8.148 min Scan# 1038
 Delta R.T. -0.000 min
 Lab File: VY005363.D
 Acq: 07 Jul 2021 14:04

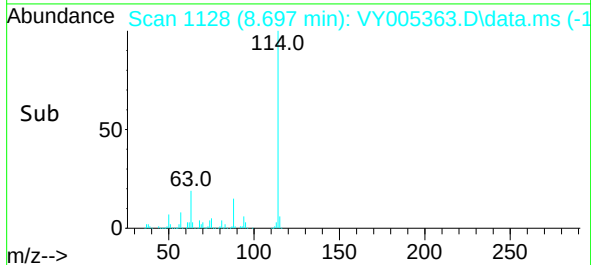
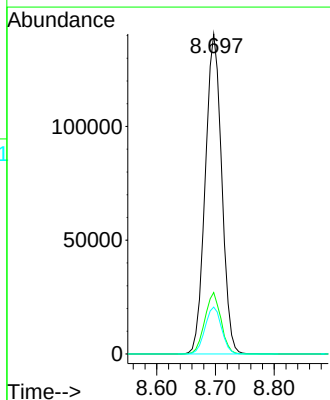
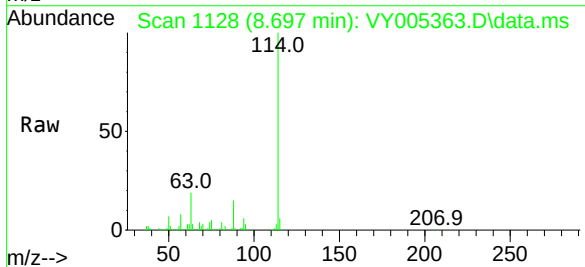
Instrument :
 MSVOA_Y
 ClientSampled :

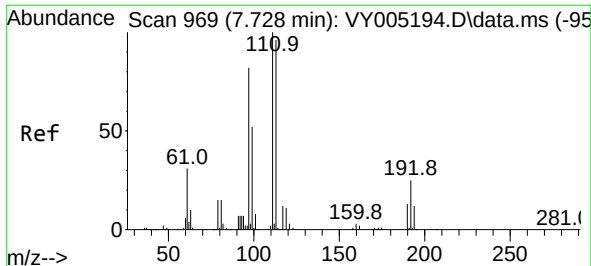
Tgt Ion: 65 Resp: 96147
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. -0.000 min
 Lab File: VY005363.D
 Acq: 07 Jul 2021 14:04

Tgt Ion: 114 Resp: 272956
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 35.2
 88 14.6 0.0 29.4

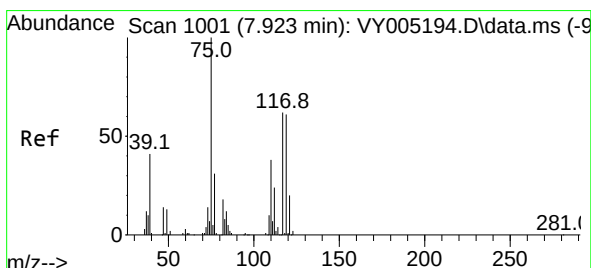
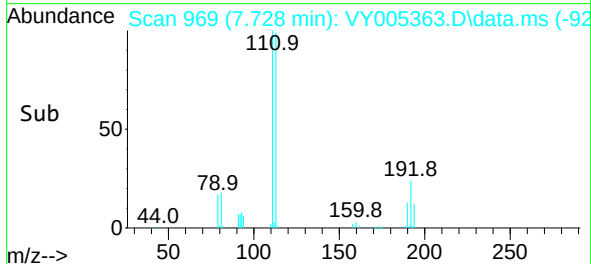
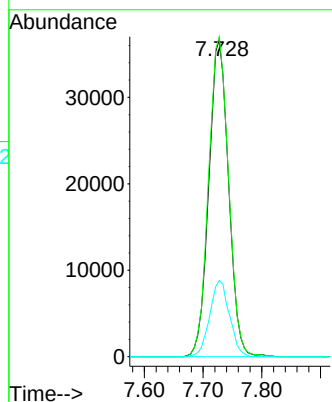
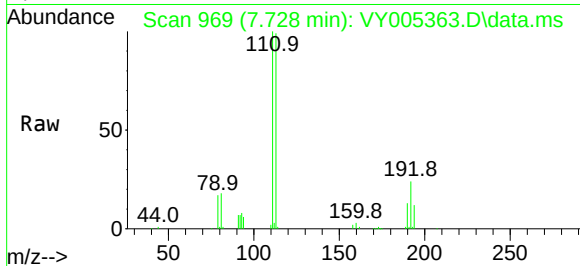




#35
Dibromofluoromethane
Concen: 53.185 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY005363.D
Acq: 07 Jul 2021 14:04

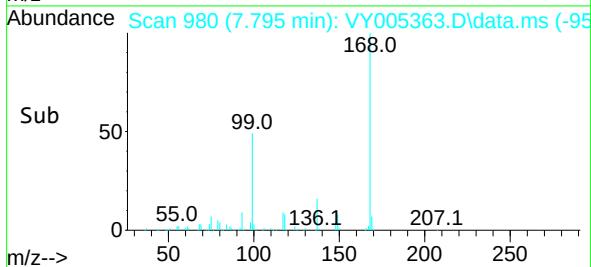
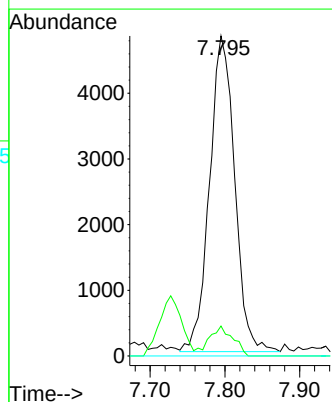
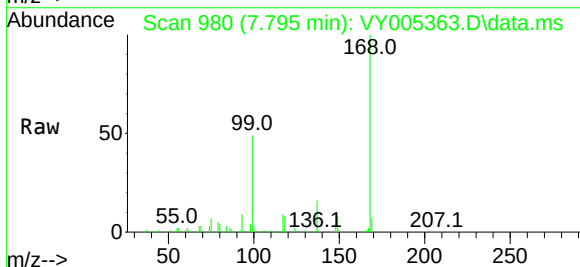
Instrument :
MSVOA_Y
ClientSampleId :

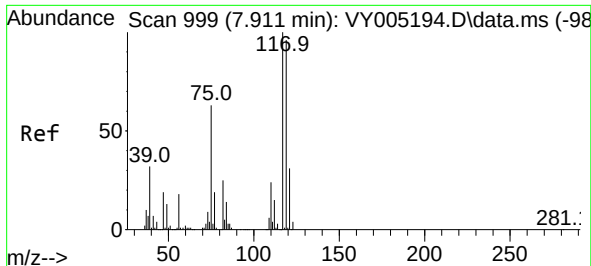
Tgt Ion:113 Resp: 85615
Ion Ratio Lower Upper
113 100
111 102.2 82.6 124.0
192 24.0 20.2 30.2



#36
1,1-Dichloropropene
Concen: 4.680 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY005363.D
Acq: 07 Jul 2021 14:04

Tgt Ion: 75 Resp: 11249
Ion Ratio Lower Upper
75 100
110 8.3 19.1 57.5#
77 0.0 25.2 37.8#

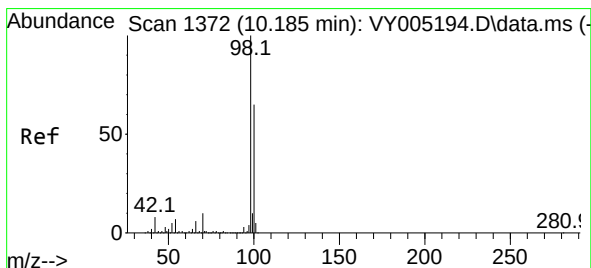
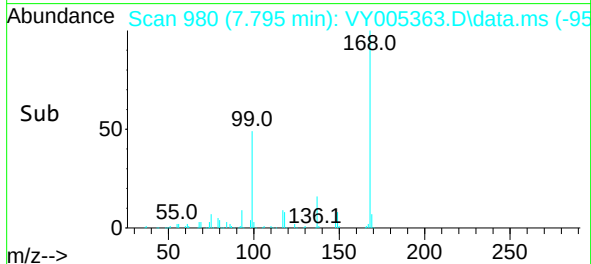
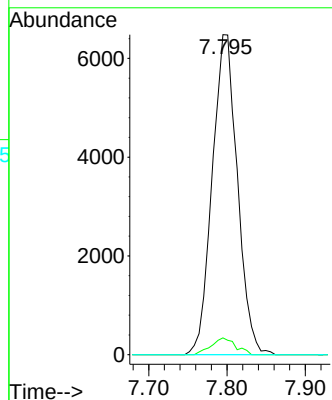
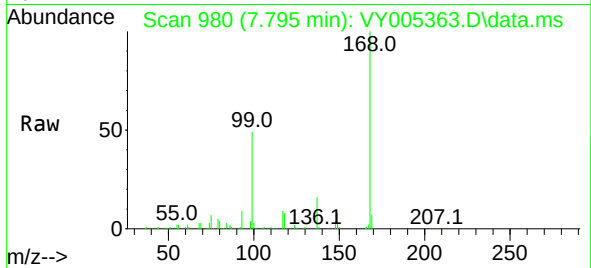




#38
Carbon Tetrachloride
Concen: 5.758 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY005363.D
Acq: 07 Jul 2021 14:04

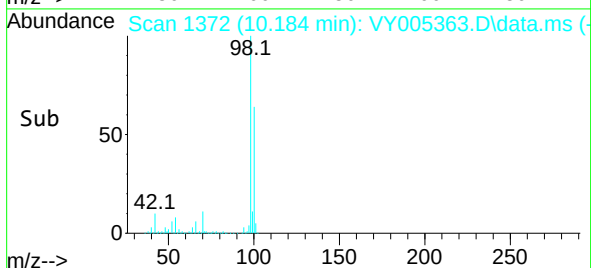
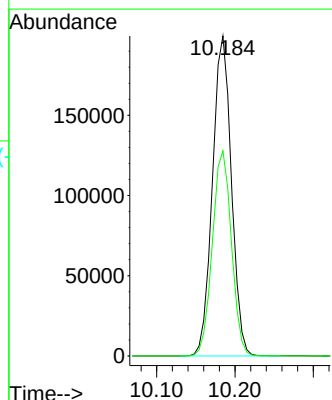
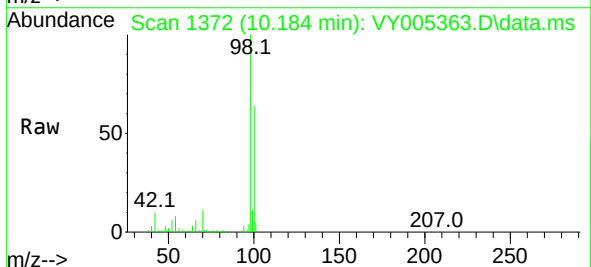
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ClientSampleId :

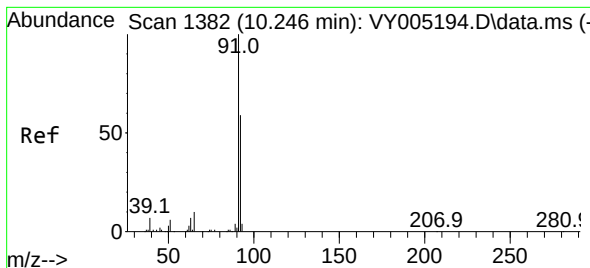
Tgt Ion:117 Resp: 14487
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.4#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 52.044 ug/l
RT: 10.184 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY005363.D
Acq: 07 Jul 2021 14:04

Tgt Ion: 98 Resp: 335037
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9





#52

Toluene

Concen: 1.102 ug/l

RT: 10.245 min Scan# 1382

Delta R.T. -0.000 min

Lab File: VY005363.D

Acq: 07 Jul 2021 14:04

Tgt Ion: 92 Resp: 4992

Ion Ratio Lower Upper

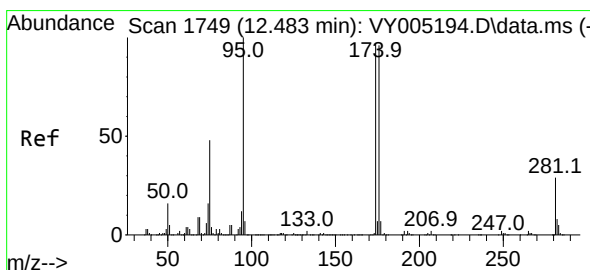
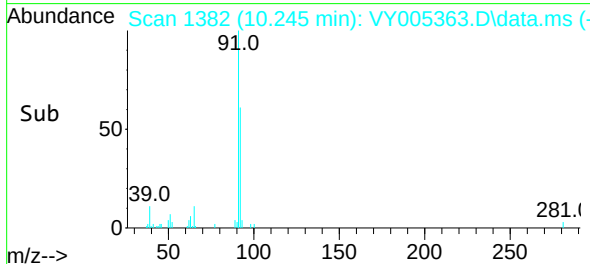
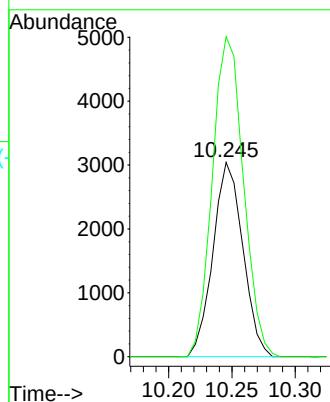
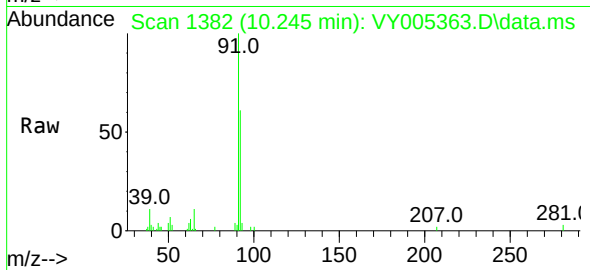
92 100

91 171.4 138.3 207.5

Instrument :

MSVOA_Y

ClientSampled :



#62

4-Bromofluorobenzene

Concen: 54.091 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VY005363.D

Acq: 07 Jul 2021 14:04

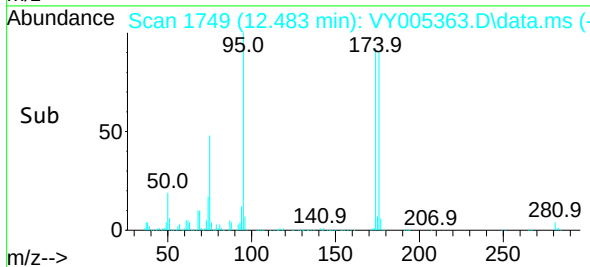
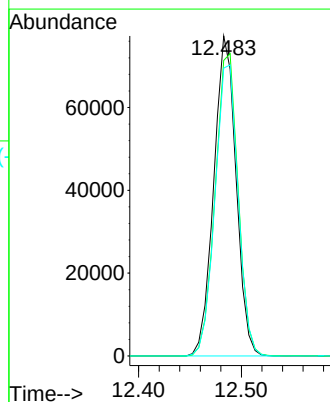
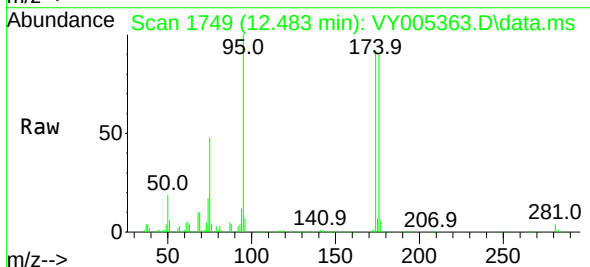
Tgt Ion: 95 Resp: 116036

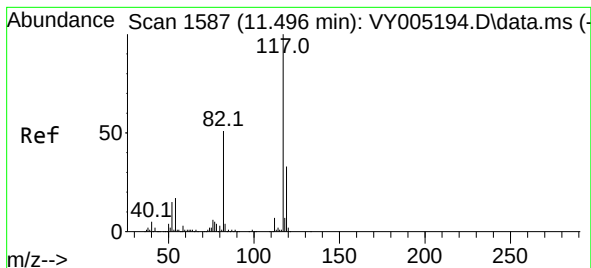
Ion Ratio Lower Upper

95 100

174 97.1 0.0 201.6

176 94.5 0.0 197.4

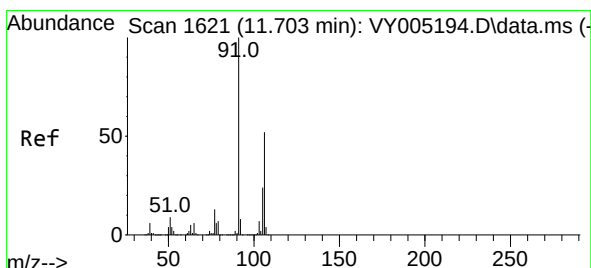
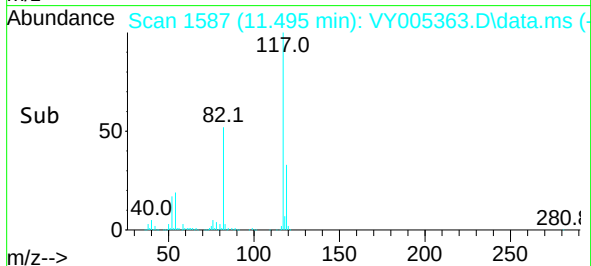
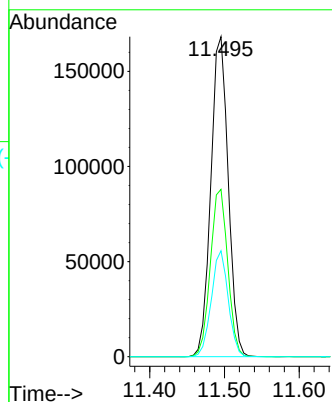
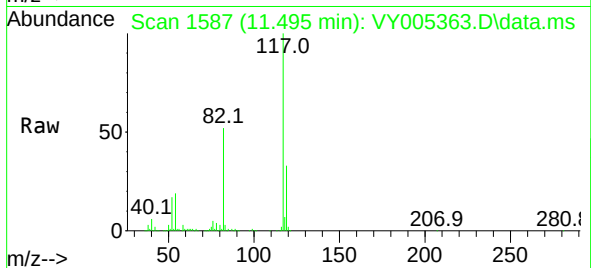




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY005363.D
Acq: 07 Jul 2021 14:04

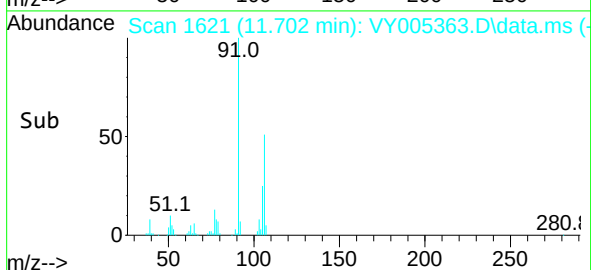
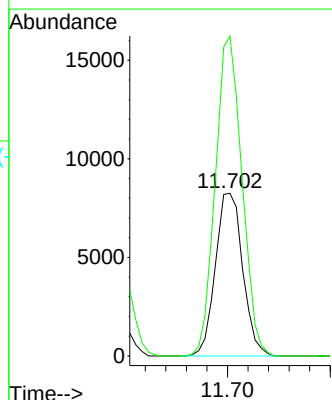
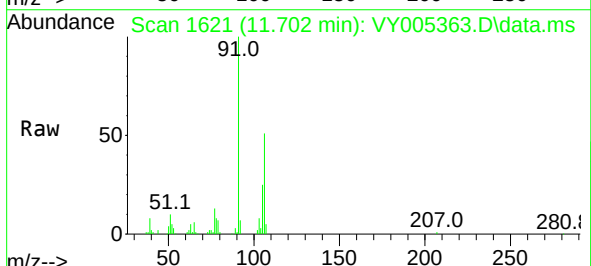
Instrument :
MSVOA_Y
ClientSampleId :

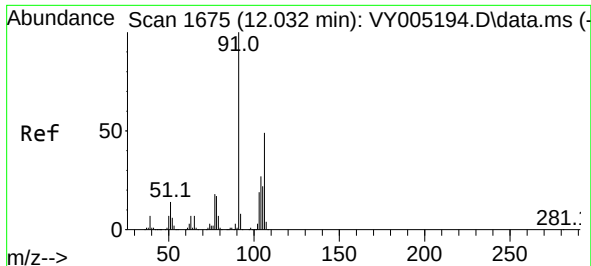
Tgt Ion:	117	Resp:	271502
Ion	Ratio	Lower	Upper
117	100		
82	52.3	40.6	60.8
119	33.1	26.1	39.1



#68
m/p-Xylenes
Concen: 4.086 ug/l
RT: 11.702 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY005363.D
Acq: 07 Jul 2021 14:04

Tgt Ion:	106	Resp:	15192
Ion	Ratio	Lower	Upper
106	100		
91	192.4	154.8	232.2

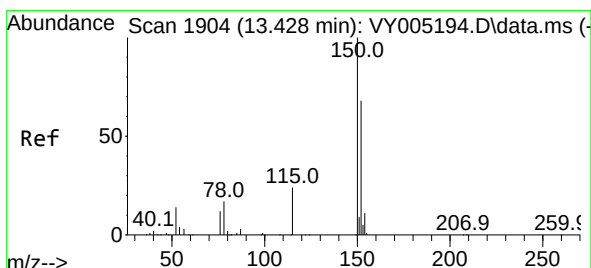
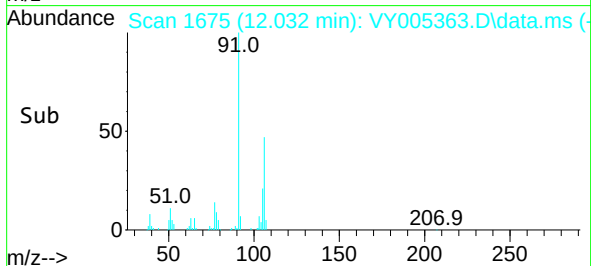
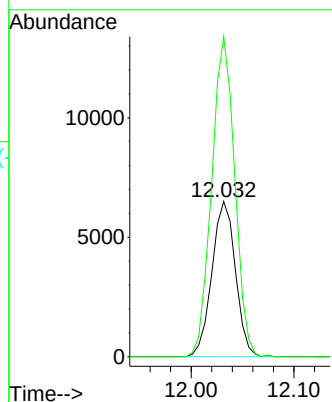
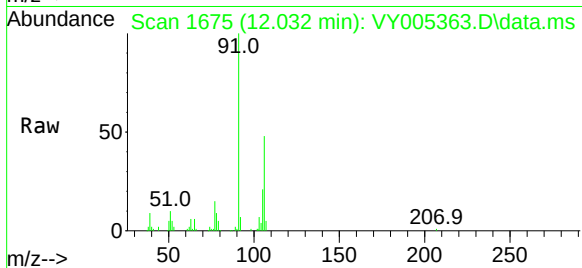




#69
o-Xylene
Concen: 2.930 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY005363.D
Acq: 07 Jul 2021 14:04

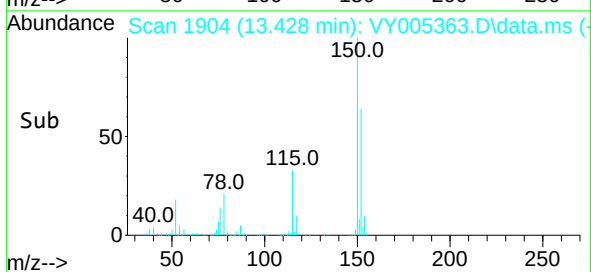
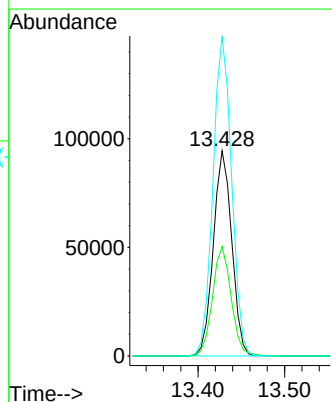
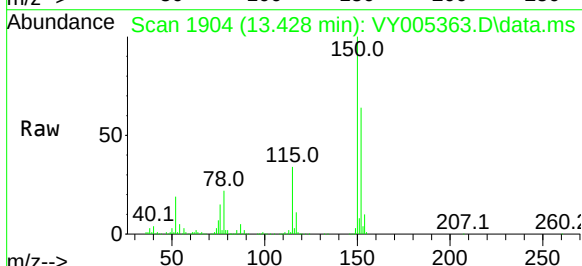
Instrument :
MSVOA_Y
ClientSampled :

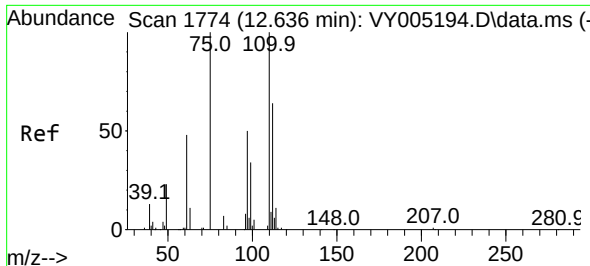
Tgt Ion:106 Resp: 10313
Ion Ratio Lower Upper
106 100
91 202.2 101.6 304.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY005363.D
Acq: 07 Jul 2021 14:04

Tgt Ion:152 Resp: 139605
Ion Ratio Lower Upper
152 100
115 54.0 26.3 78.8
150 157.6 0.0 344.2

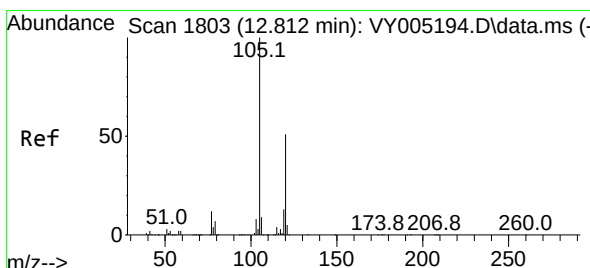
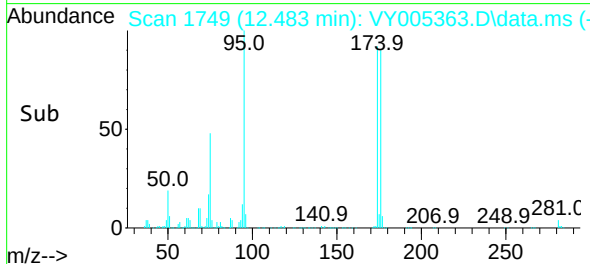
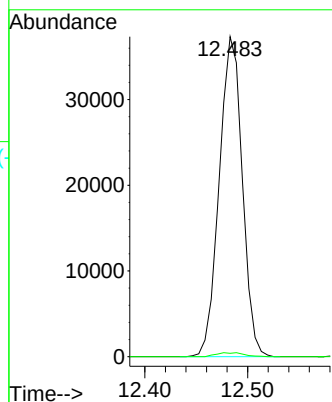
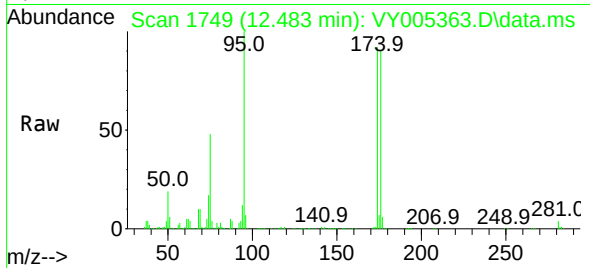




#76
1,2,3-Trichloropropane
Concen: 46.940 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY005363.D
Acq: 07 Jul 2021 14:04

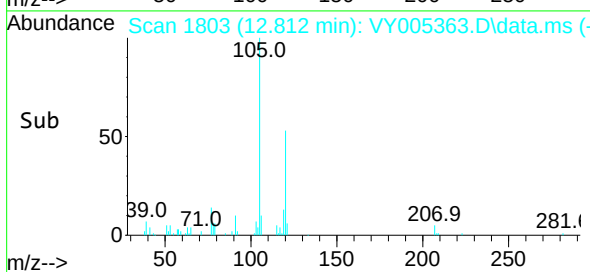
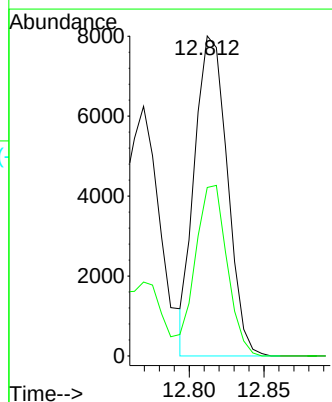
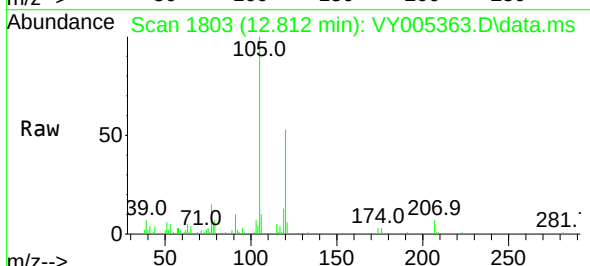
Instrument :
MSVOA_Y
ClientSampleId :

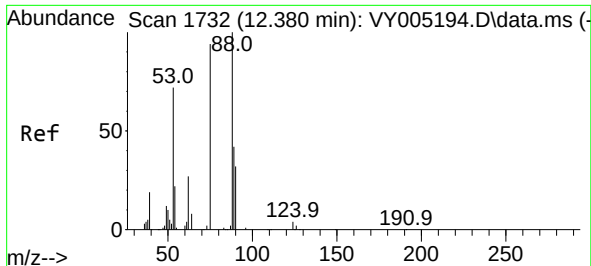
Tgt Ion: 75 Resp: 58118
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.622 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY005363.D
Acq: 07 Jul 2021 14:04

Tgt Ion: 105 Resp: 12153
Ion Ratio Lower Upper
105 100
120 52.7 25.9 77.7

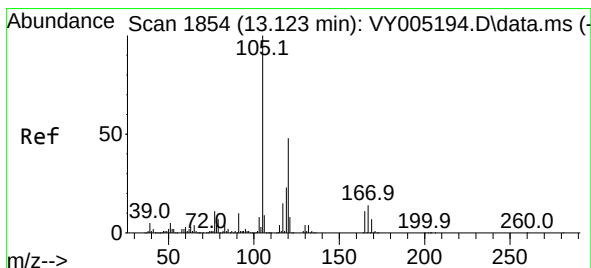
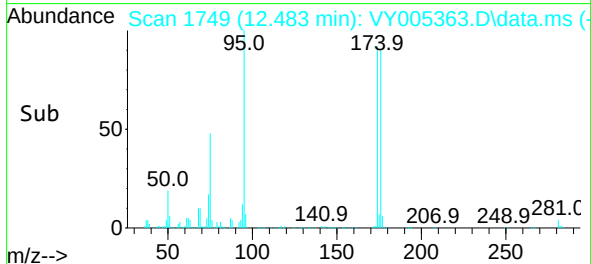
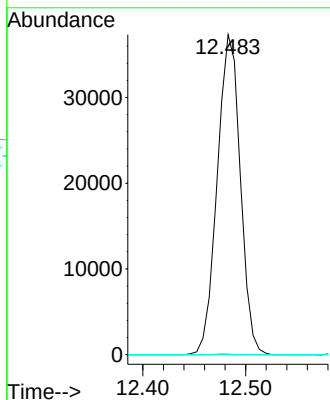
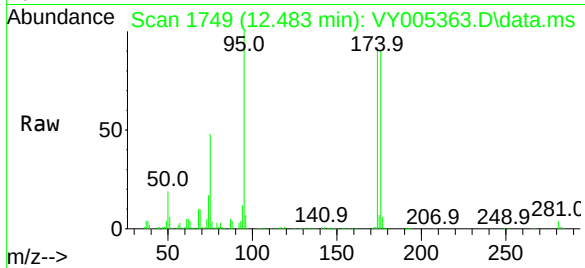




#81
trans-1,4-Dichloro-2-butene
Concen: 87.579 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY005363.D
Acq: 07 Jul 2021 14:04

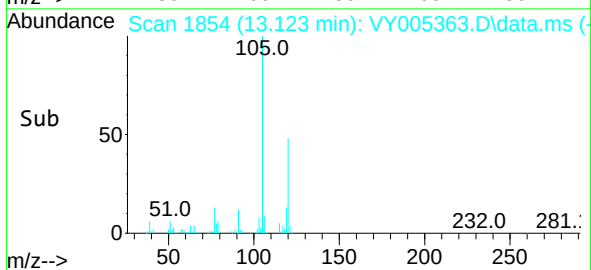
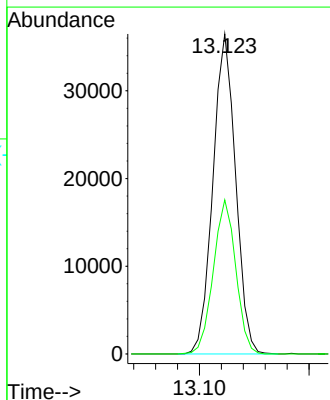
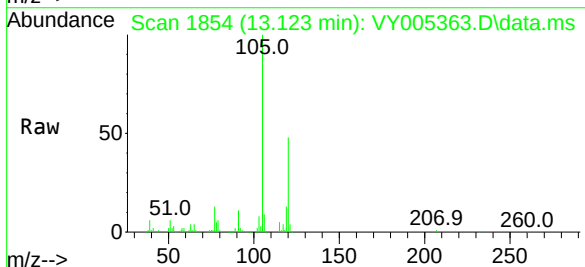
Instrument :
MSVOA_Y
ClientSampleId :

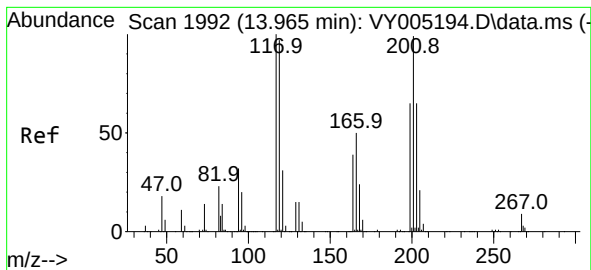
Tgt Ion: 75 Resp: 58118
Ion Ratio Lower Upper
75 100
53 0.2 63.0 94.4#
89 0.1 38.0 57.0#



#84
1,2,4-Trimethylbenzene
Concen: 7.076 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY005363.D
Acq: 07 Jul 2021 14:04

Tgt Ion: 105 Resp: 52403
Ion Ratio Lower Upper
105 100
120 47.8 23.6 71.0





#90

Hexachloroethane

Concen: 1.263 ug/l

RT: 13.976 min Scan# 1994

Delta R.T. 0.012 min

Lab File: VY005363.D

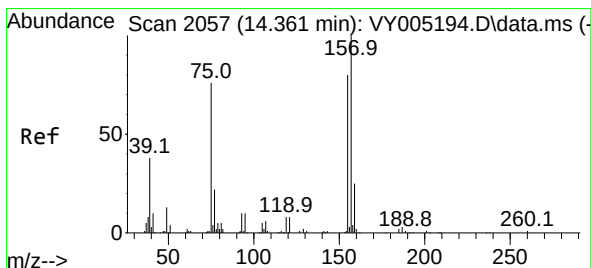
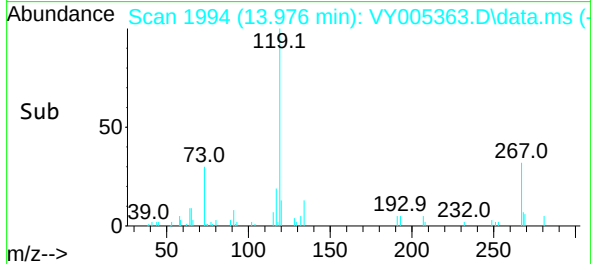
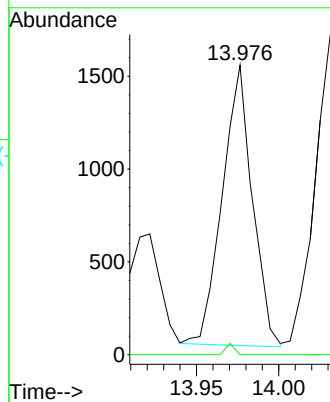
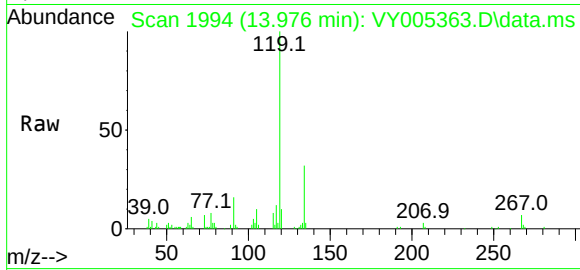
Acq: 07 Jul 2021 14:04

Tgt Ion:117 Resp: 1913

Ion Ratio Lower Upper

117 100

201 1.2 49.4 148.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.094 ug/l

RT: 14.336 min Scan# 2053

Delta R.T. -0.025 min

Lab File: VY005363.D

Acq: 07 Jul 2021 14:04

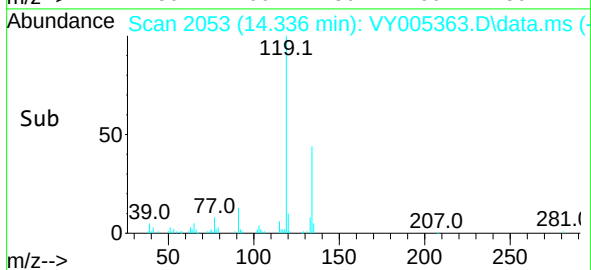
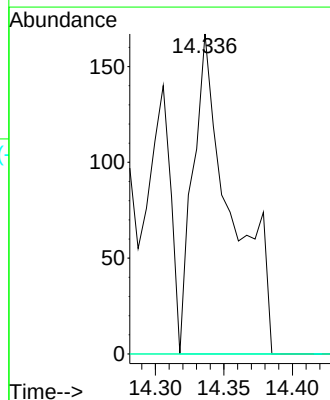
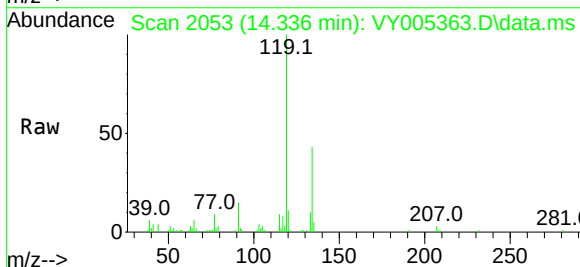
Tgt Ion: 75 Resp: 325

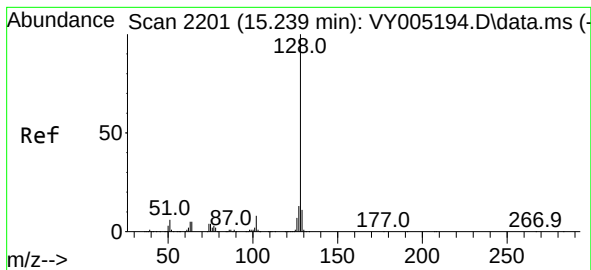
Ion Ratio Lower Upper

75 100

155 0.0 52.4 157.3#

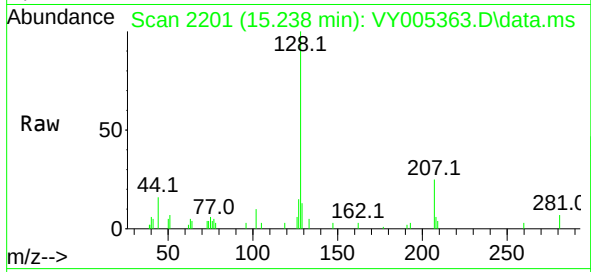
157 0.0 67.3 201.8#





#95
Naphthalene
Concen: 1.147 ug/l
RT: 15.238 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY005363.D
Acq: 07 Jul 2021 14:04

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 6065
Ion Ratio Lower Upper
128 100
127 13.7 10.2 15.4
129 13.6 8.7 13.1#

