

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012822\
 Data File : VY007321.D
 Acq On : 28 Jan 2022 15:22
 Operator : SY/MD
 Sample : N1309-03
 Misc : 4.96g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 STATE-ST-SP1-(3)

Quant Time: Jan 31 00:30:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

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

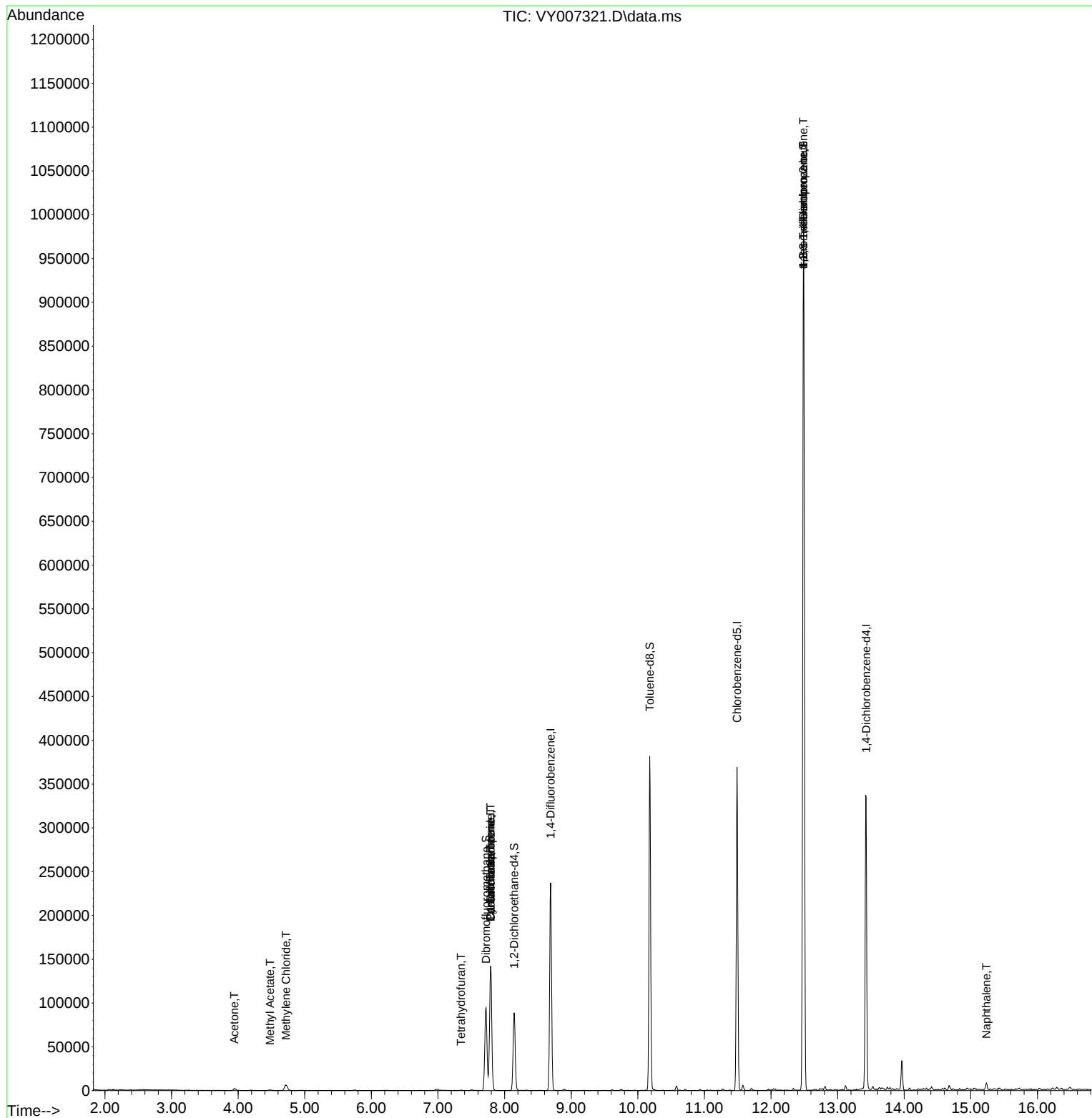
Internal Standards						
1) Pentafluorobenzene	7.789	168	107384	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	199732	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	191815	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	83007	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	70092	53.196	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.400%	
35) Dibromofluoromethane	7.722	113	66137	48.970	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.940%	
50) Toluene-d8	10.179	98	247261	50.105	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.200%	
62) 4-Bromofluorobenzene	12.483	95	90096	51.325	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.640%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	398	Below Cal	#	73
16) Acetone	3.942	43	4121	12.051	ug/l	97
18) Methyl Acetate	4.478	43	1406	1.156	ug/l #	85
20) Methylene Chloride	4.716	84	5283	3.736	ug/l	96
29) Tetrahydrofuran	7.344	42	398	1.400	ug/l #	53
31) Cyclohexane	7.789	56	2418	1.085	ug/l #	35
36) 1,1-Dichloropropene	7.789	75	9028	4.185	ug/l #	50
38) Carbon Tetrachloride	7.789	117	11533	5.083	ug/l #	14
76) 1,2,3-Trichloropropane	12.483	75	56440	59.630	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	56440	109.167	ug/l #	3
95) Naphthalene	15.233	128	6106	1.740	ug/l	98

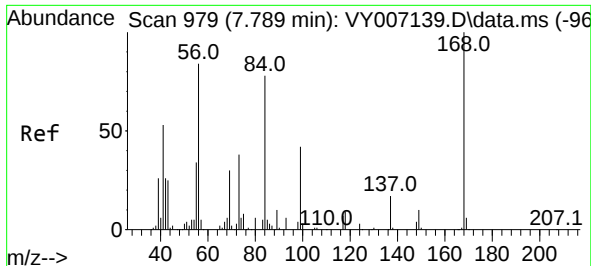
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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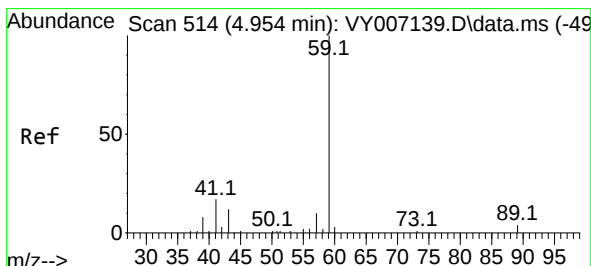
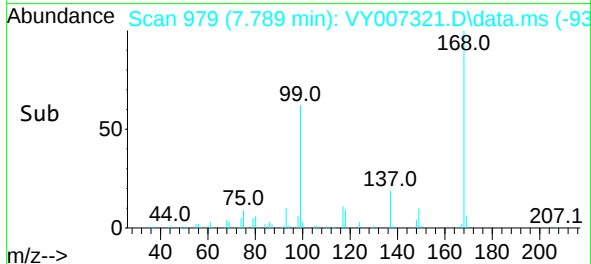
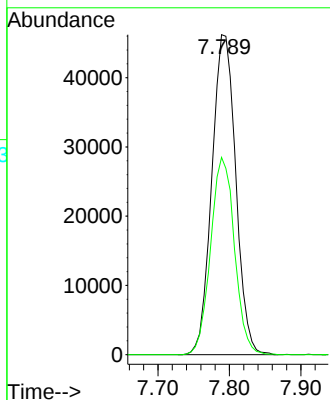
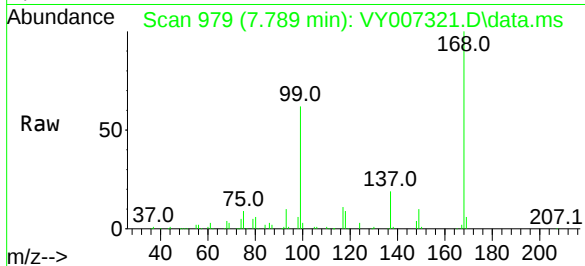




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007321.D
Acq: 28 Jan 2022 15:22

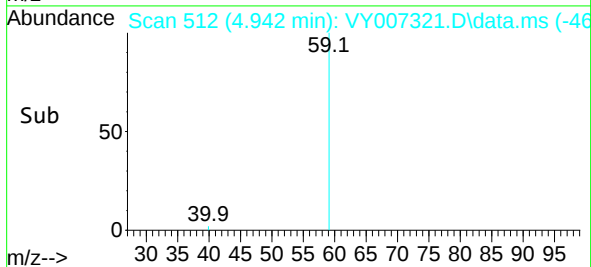
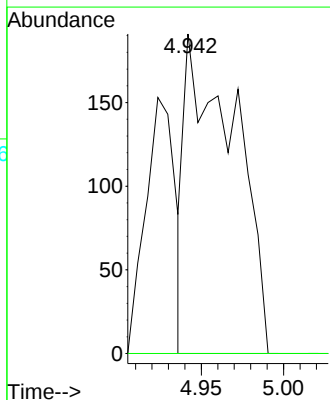
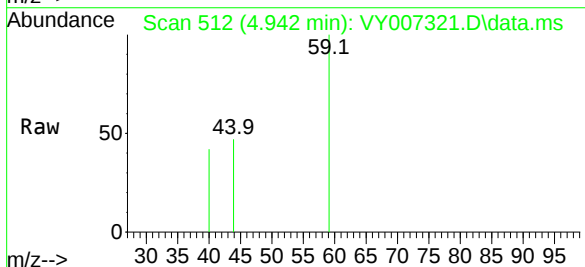
Instrument :
MSVOA_Y
ClientSampleId :
STATE-ST-SP1-(3)

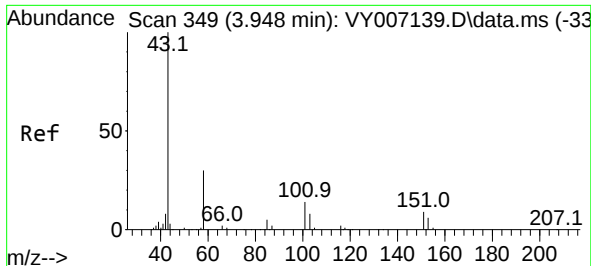
Tgt Ion:168 Resp: 107384
Ion Ratio Lower Upper
168 100
99 61.7 49.1 73.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY007321.D
Acq: 28 Jan 2022 15:22

Tgt Ion: 59 Resp: 398
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

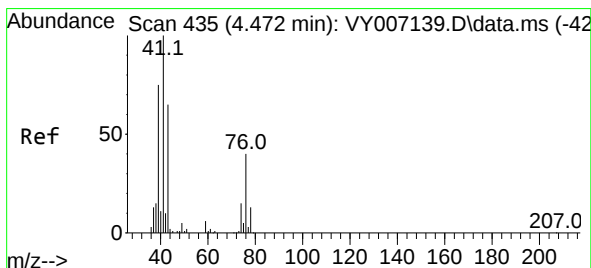
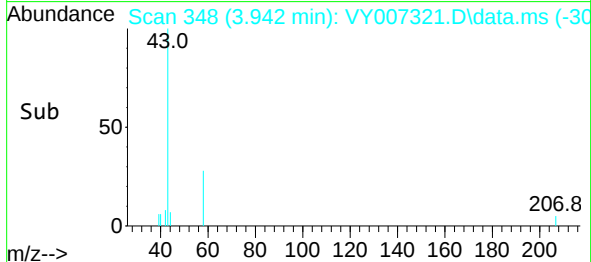
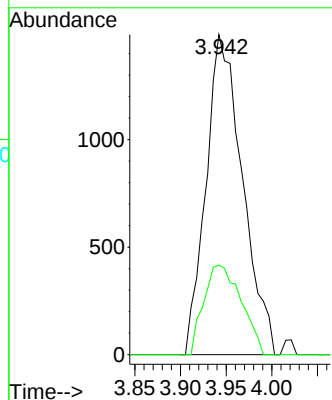
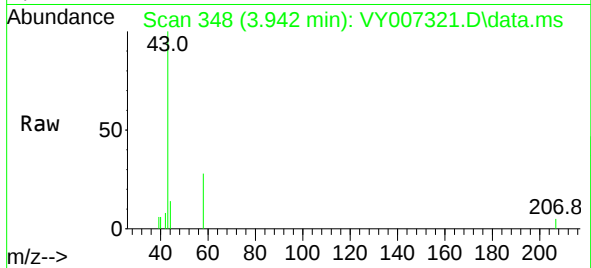




#16
Acetone
Concen: 12.051 ug/l
RT: 3.942 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY007321.D
Acq: 28 Jan 2022 15:22

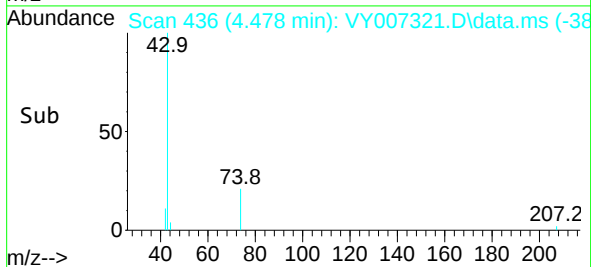
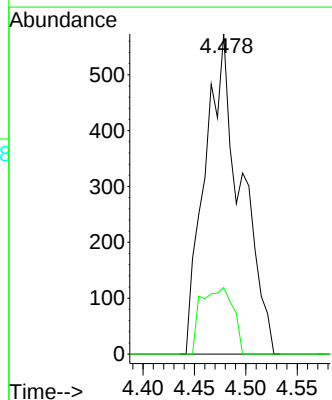
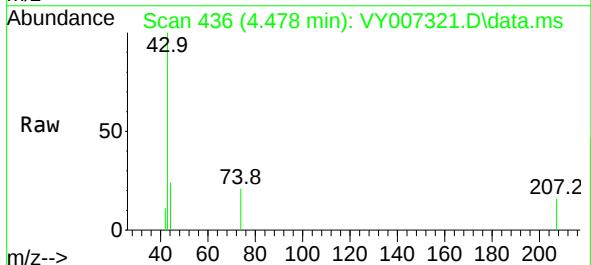
Instrument :
MSVOA_Y
ClientSampleId :
STATE-ST-SP1-(3)

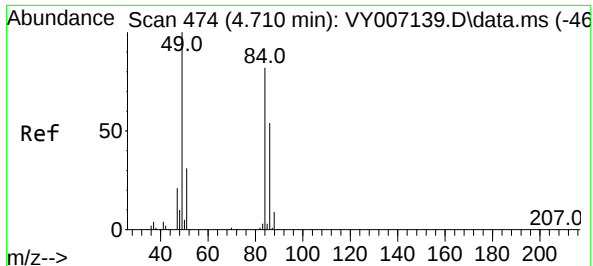
Tgt Ion: 43 Resp: 4121
Ion Ratio Lower Upper
43 100
58 28.0 23.8 35.6



#18
Methyl Acetate
Concen: 1.156 ug/l
RT: 4.478 min Scan# 436
Delta R.T. 0.006 min
Lab File: VY007321.D
Acq: 28 Jan 2022 15:22

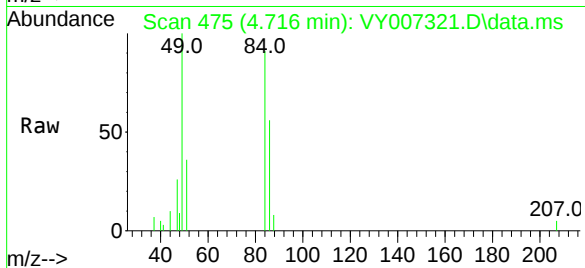
Tgt Ion: 43 Resp: 1406
Ion Ratio Lower Upper
43 100
74 18.3 20.9 31.3#



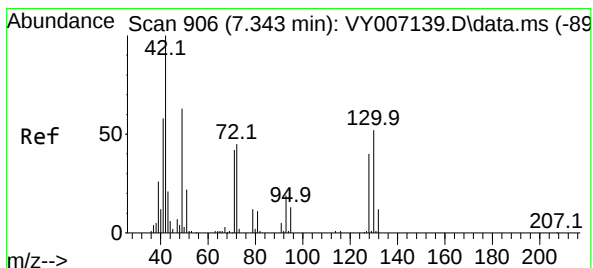
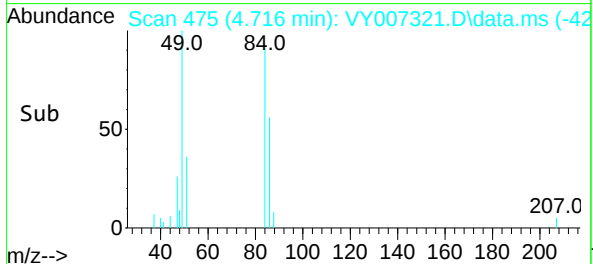
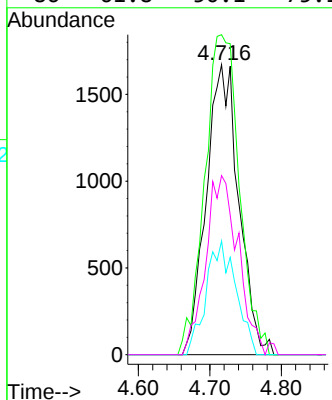


#20
Methylene Chloride
Concen: 3.736 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY007321.D
Acq: 28 Jan 2022 15:22

Instrument :
MSVOA_Y
ClientSampleId :
STATE-ST-SP1-(3)

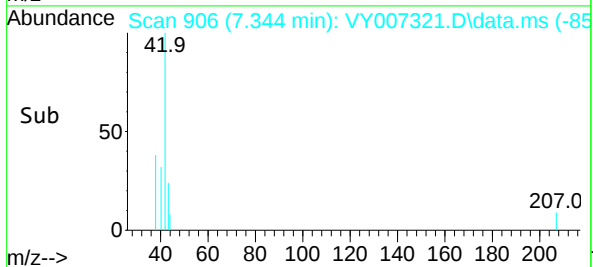
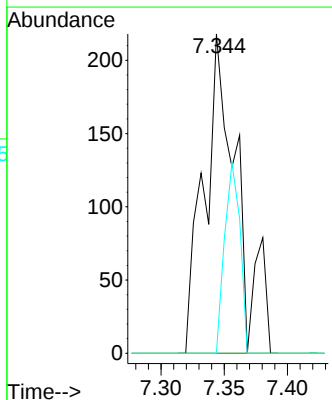
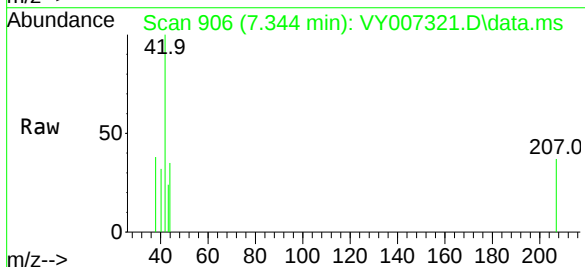


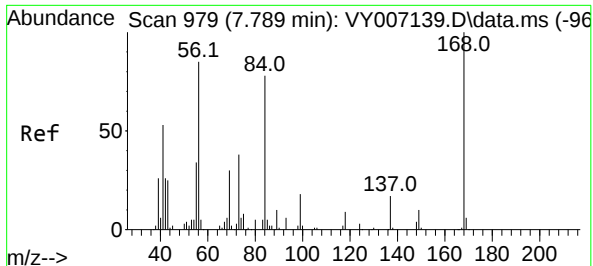
Tgt Ion: 84	Resp: 5283
Ion Ratio	Lower Upper
84 100	
49 110.4	92.6 139.0
51 39.2	28.6 42.8
86 61.8	50.1 75.1



#29
Tetrahydrofuran
Concen: 1.400 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY007321.D
Acq: 28 Jan 2022 15:22

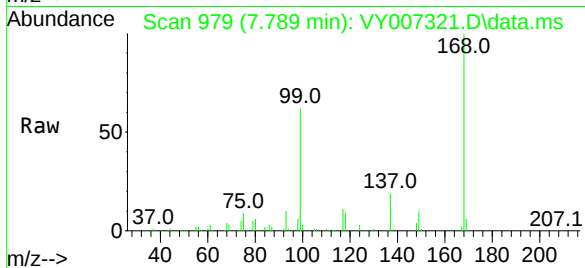
Tgt Ion: 42	Resp: 398
Ion Ratio	Lower Upper
42 100	
72 0.0	36.6 54.8#
71 27.6	34.1 51.1#



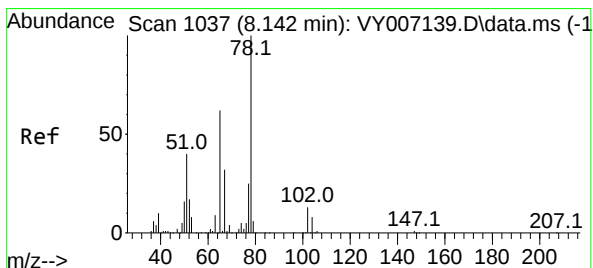
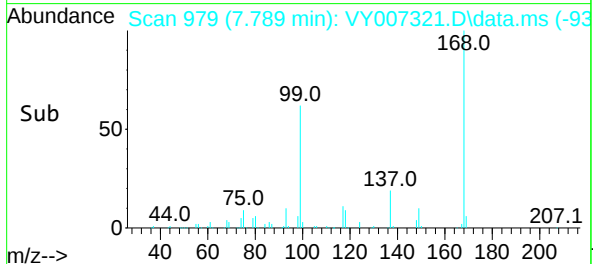
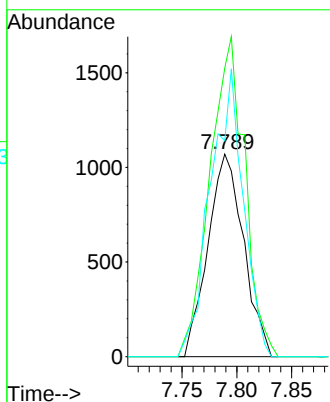


#31
Cyclohexane
Concen: 1.085 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007321.D
Acq: 28 Jan 2022 15:22

Instrument :
MSVOA_Y
ClientSampleId :
STATE-ST-SP1-(3)

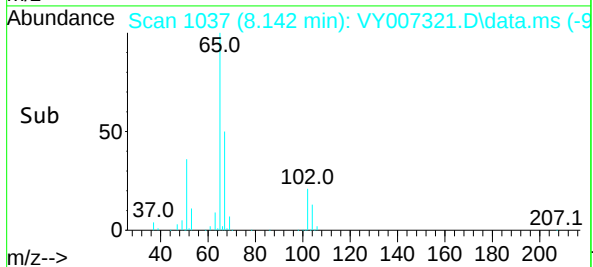
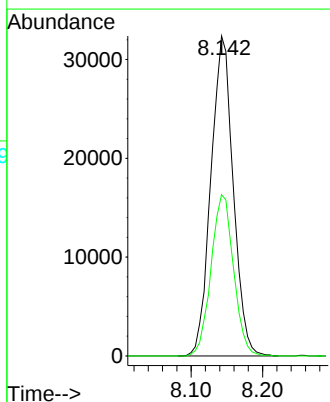
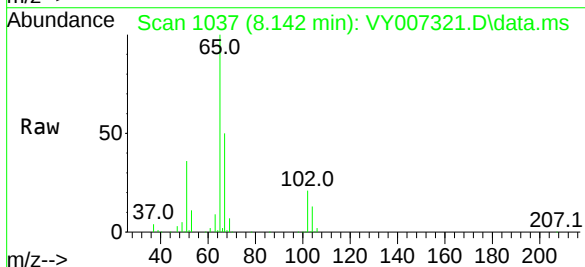


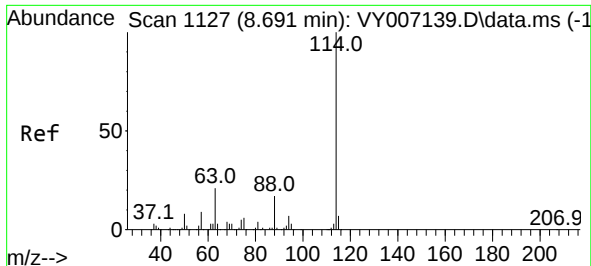
Tgt Ion: 56 Resp: 2418
Ion Ratio Lower Upper
56 100
69 142.5 27.2 40.8#
84 106.6 72.1 108.1



#33
1,2-Dichloroethane-d4
Concen: 53.196 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY007321.D
Acq: 28 Jan 2022 15:22

Tgt Ion: 65 Resp: 70092
Ion Ratio Lower Upper
65 100
67 50.9 0.0 105.6

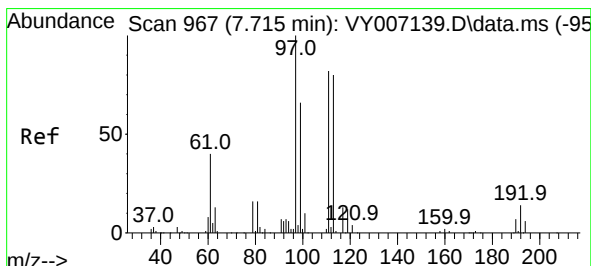
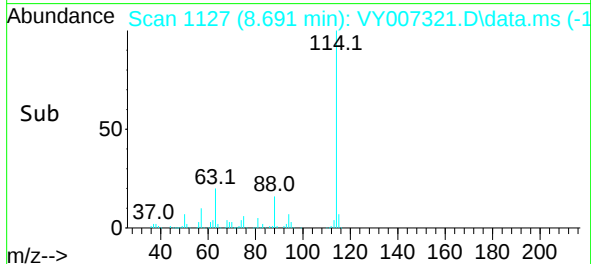
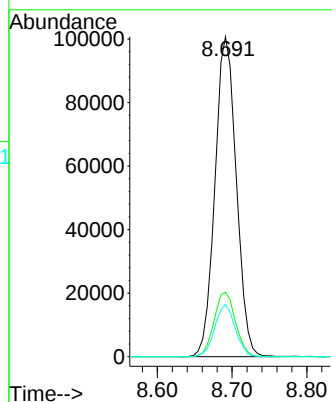
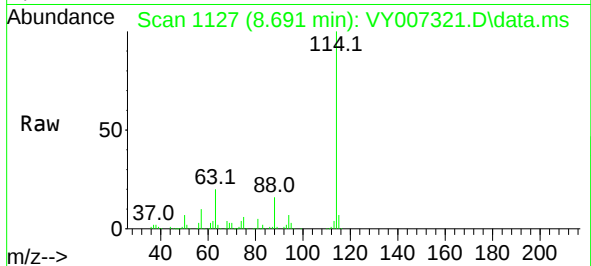




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY007321.D
 Acq: 28 Jan 2022 15:22

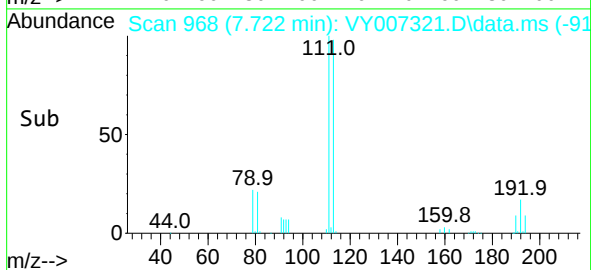
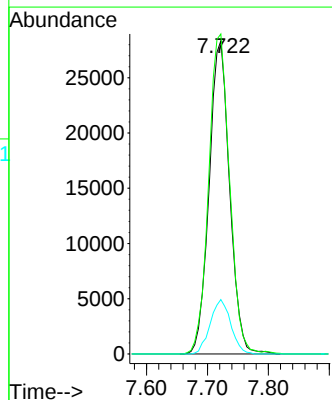
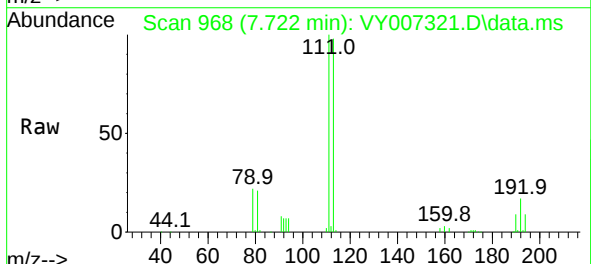
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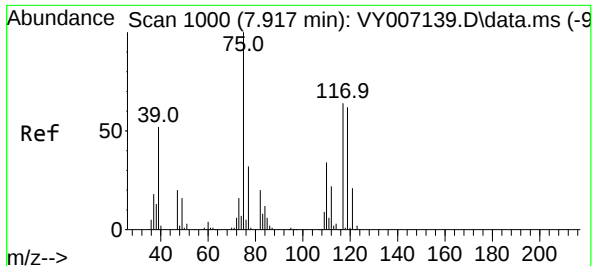
Tgt Ion:	114	Resp:	199732
Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	39.2
88	16.4	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 48.970 ug/l
 RT: 7.722 min Scan# 968
 Delta R.T. 0.006 min
 Lab File: VY007321.D
 Acq: 28 Jan 2022 15:22

Tgt Ion:	113	Resp:	66137
Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.2	123.4
192	17.5	14.2	21.4

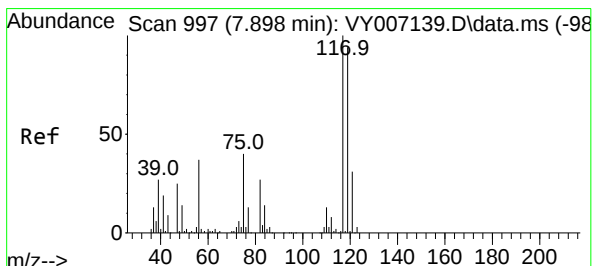
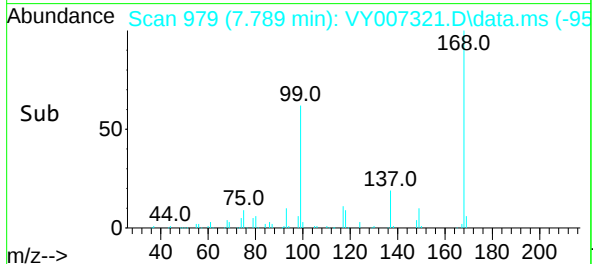
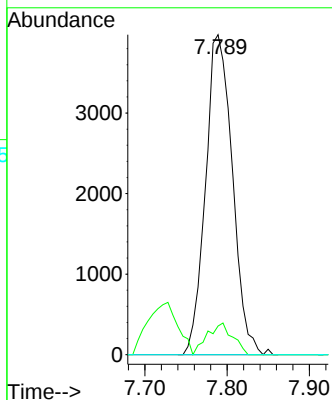
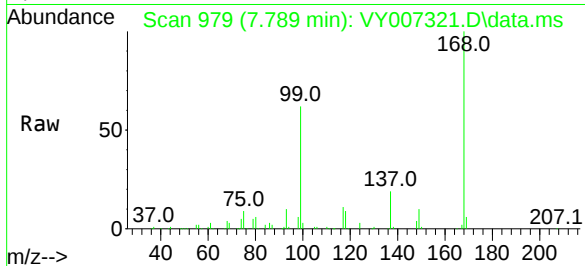




#36
 1,1-Dichloropropene
 Concen: 4.185 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY007321.D
 Acq: 28 Jan 2022 15:22

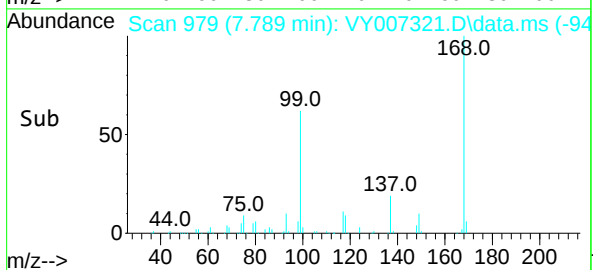
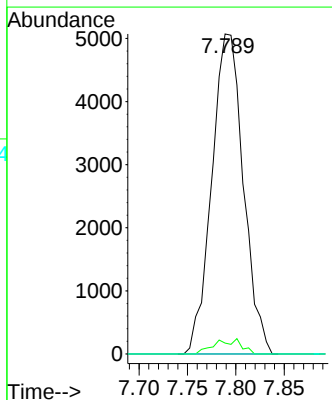
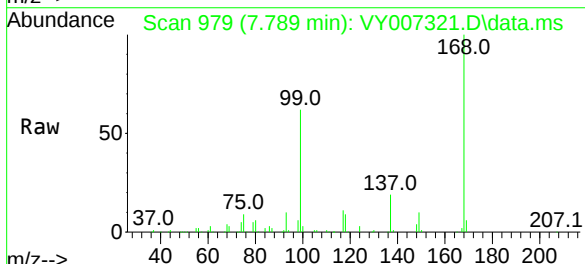
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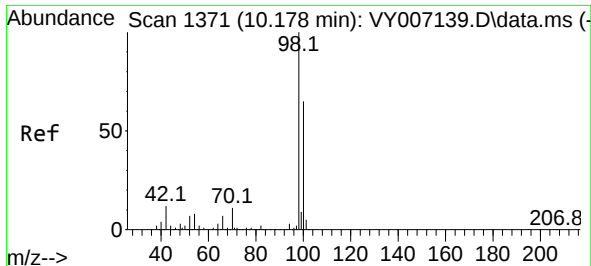
Tgt Ion: 75 Resp: 9028
 Ion Ratio Lower Upper
 75 100
 110 9.3 17.3 51.9#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.083 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.109 min
 Lab File: VY007321.D
 Acq: 28 Jan 2022 15:22

Tgt Ion: 117 Resp: 11533
 Ion Ratio Lower Upper
 117 100
 119 3.4 77.2 115.8#
 121 0.0 24.2 36.2#

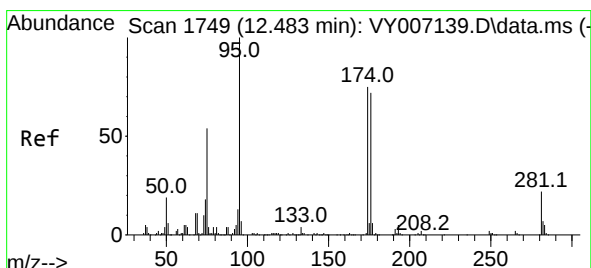
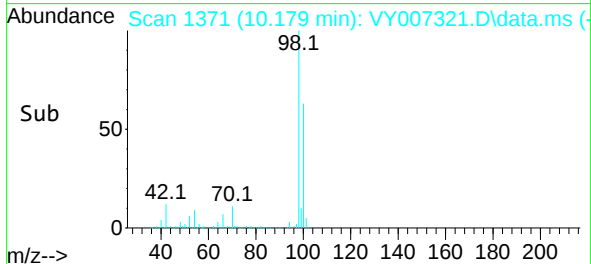
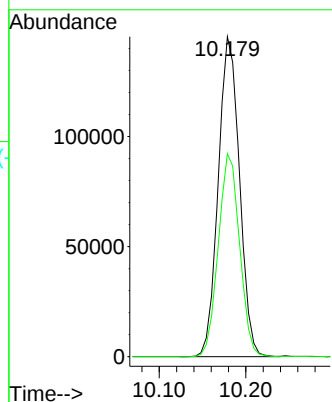
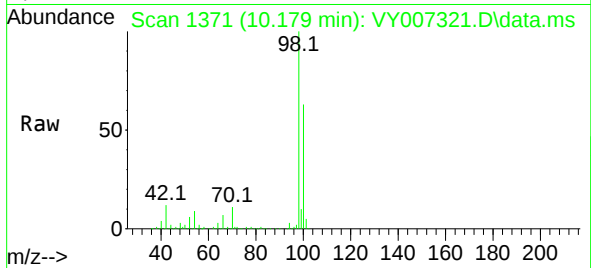




#50
Toluene-d8
Concen: 50.105 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007321.D
Acq: 28 Jan 2022 15:22

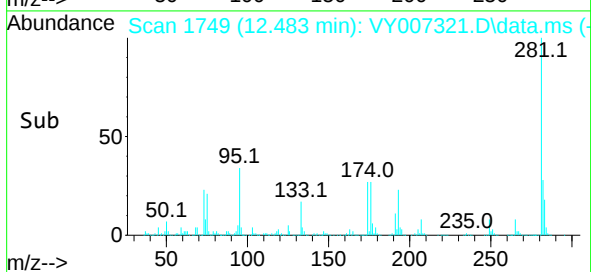
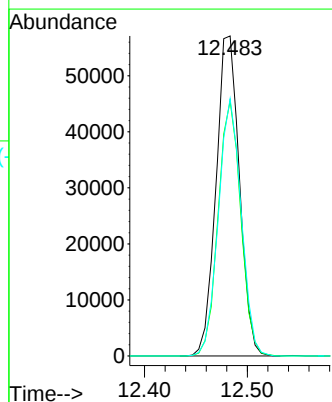
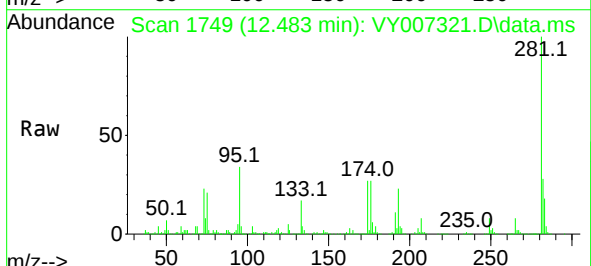
Instrument :
MSVOA_Y
ClientSampleId :
STATE-ST-SP1-(3)

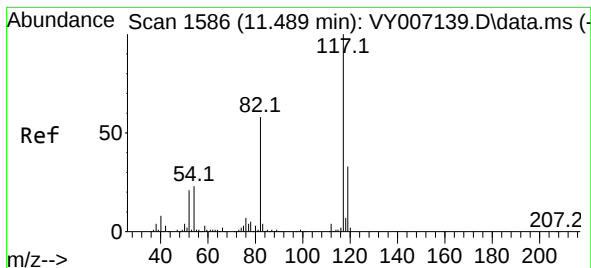
Tgt Ion: 98 Resp: 247261
Ion Ratio Lower Upper
98 100
100 63.5 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 51.325 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY007321.D
Acq: 28 Jan 2022 15:22

Tgt Ion: 95 Resp: 90096
Ion Ratio Lower Upper
95 100
174 77.0 0.0 148.4
176 78.5 0.0 146.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY007321.D

Acq: 28 Jan 2022 15:22

Instrument :

MSVOA_Y

ClientSampleId :

STATE-ST-SP1-(3)

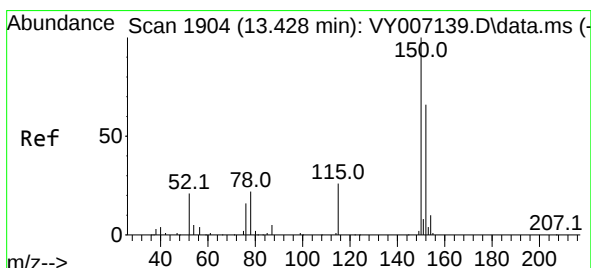
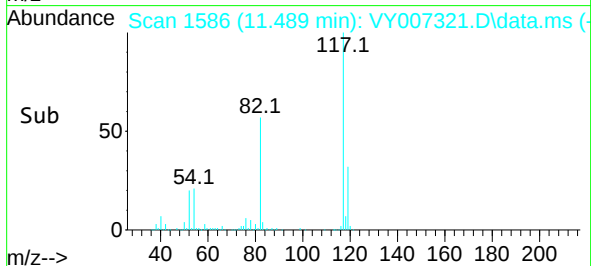
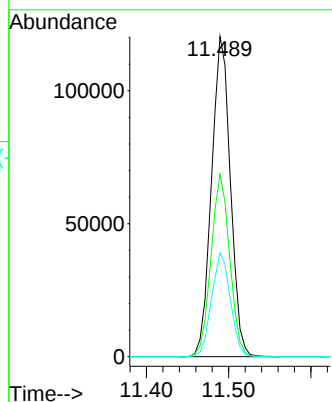
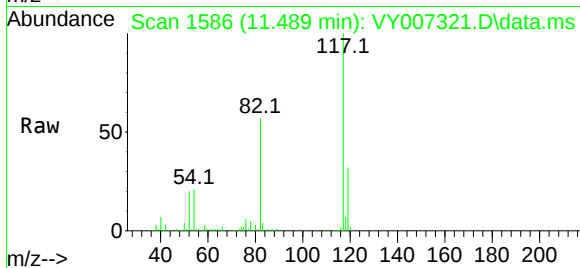
Tgt Ion:117 Resp: 191815

Ion Ratio Lower Upper

117 100

82 57.0 45.4 68.0

119 32.4 26.4 39.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY007321.D

Acq: 28 Jan 2022 15:22

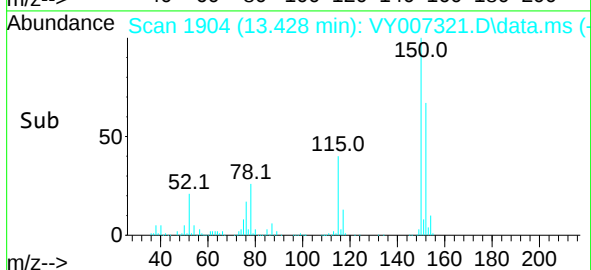
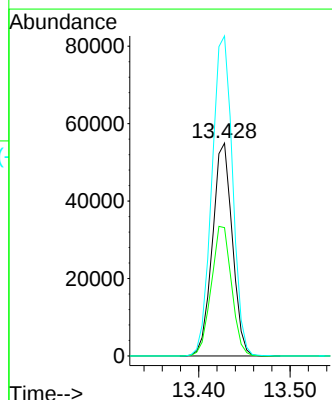
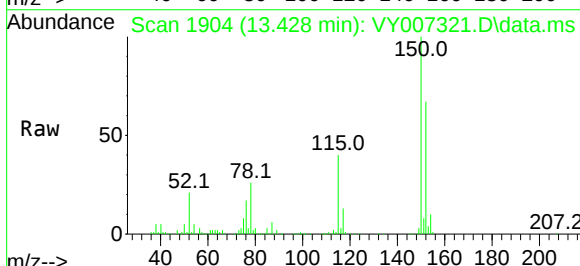
Tgt Ion:152 Resp: 83007

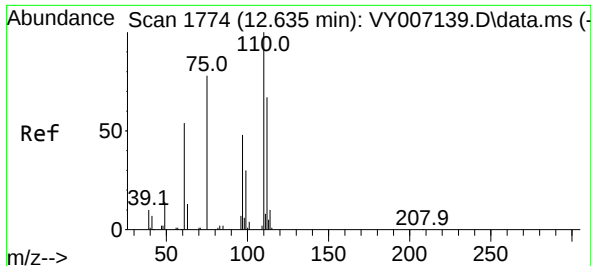
Ion Ratio Lower Upper

152 100

115 62.2 31.4 94.0

150 156.2 0.0 348.4

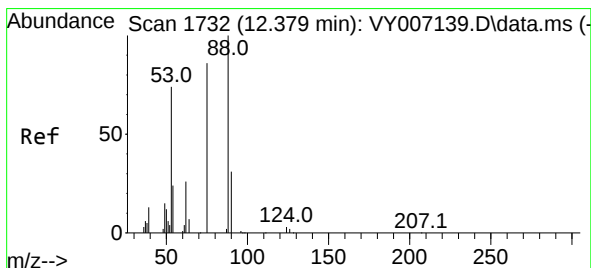
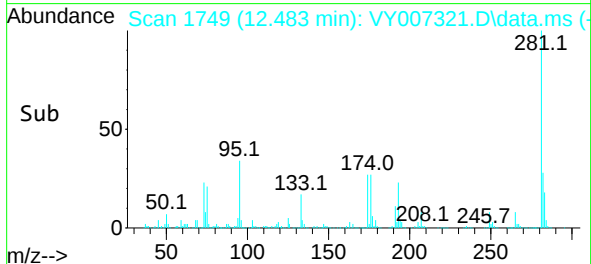
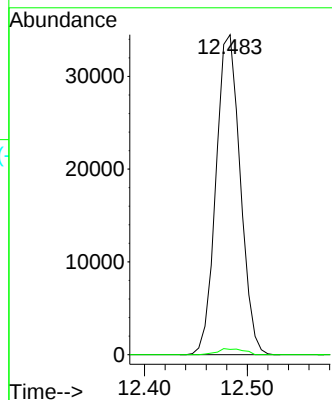
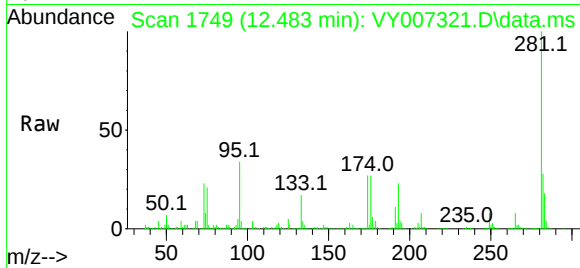




#76
1,2,3-Trichloropropane
Concen: 59.630 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY007321.D
Acq: 28 Jan 2022 15:22

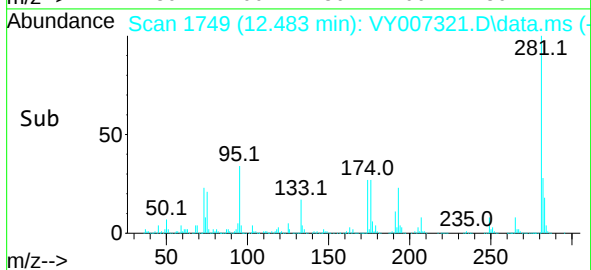
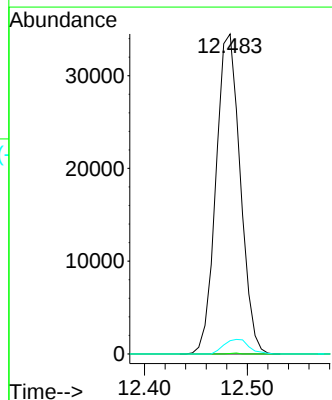
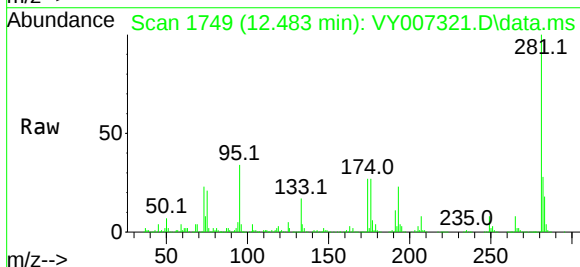
Instrument :
MSVOA_Y
ClientSampleId :
STATE-ST-SP1-(3)

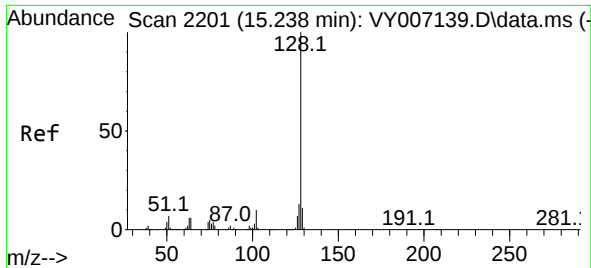
Tgt Ion: 75 Resp: 56440
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.167 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY007321.D
Acq: 28 Jan 2022 15:22

Tgt Ion: 75 Resp: 56440
Ion Ratio Lower Upper
75 100
53 0.1 73.9 110.9#
89 4.7 0.0 0.0#





#95

Naphthalene

Concen: 1.740 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY007321.D

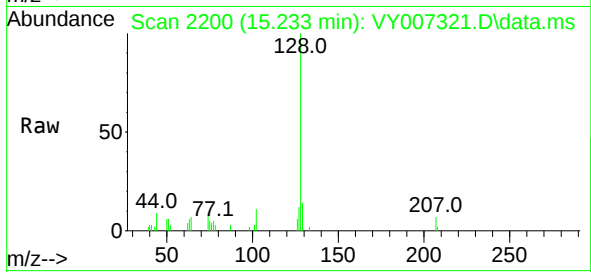
Acq: 28 Jan 2022 15:22

Instrument :

MSVOA_Y

ClientSampleId :

STATE-ST-SP1-(3)



Tgt Ion:128 Resp: 6106

Ion Ratio Lower Upper

128 100

127 12.0 10.3 15.5

129 12.1 8.9 13.3

