

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012822\
 Data File : VY007328.D
 Acq On : 28 Jan 2022 18:06
 Operator : SY/MD
 Sample : N1309-10
 Misc : 4.67g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 STATE-ST-SP1-(10)

Quant Time: Jan 31 00:31:37 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)

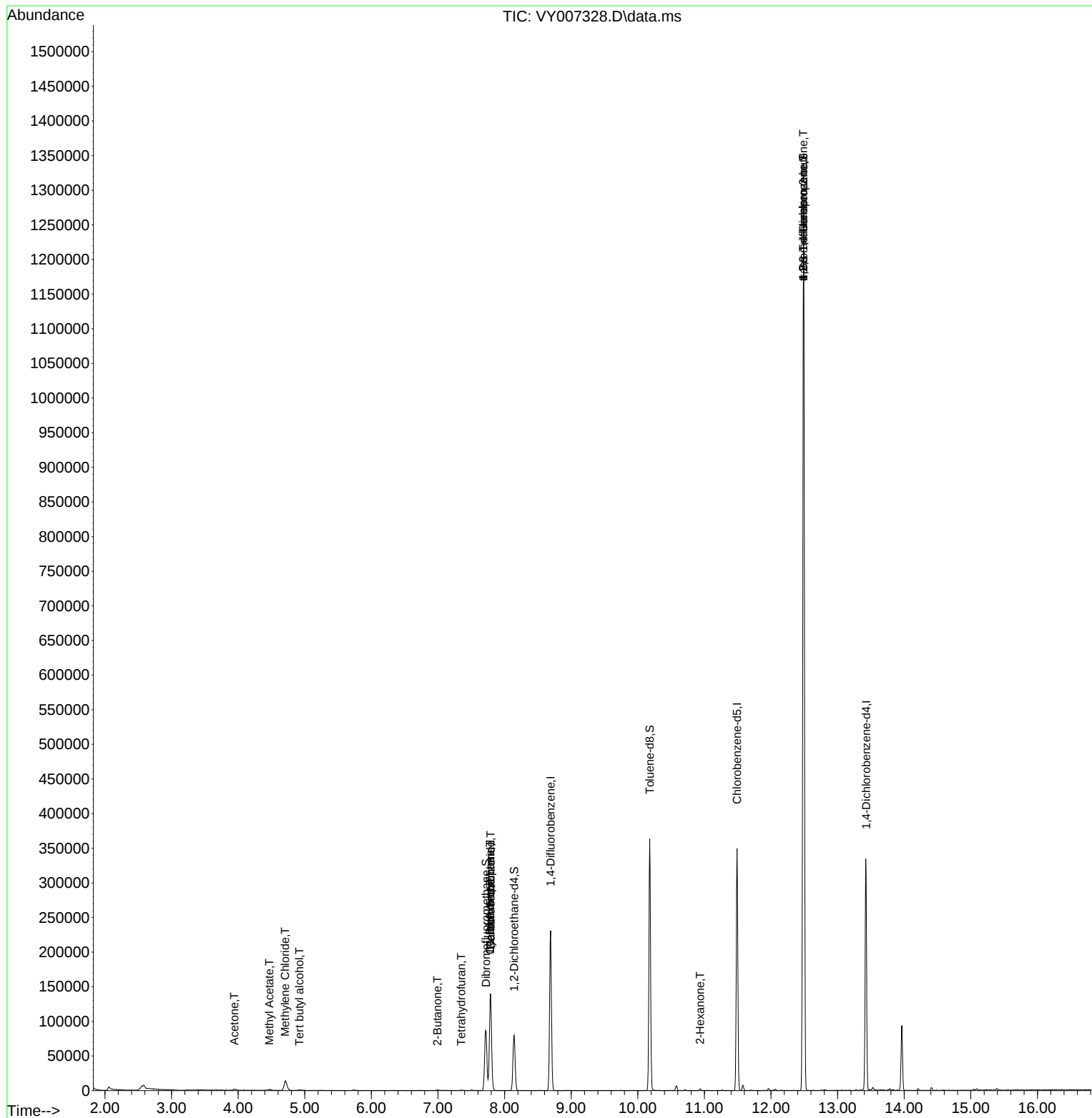
Internal Standards						
1) Pentafluorobenzene	7.789	168	103770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	190474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	182450	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	80154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	64825	50.912	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.820%	
35) Dibromofluoromethane	7.722	113	63466	49.276	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.560%	
50) Toluene-d8	10.179	98	235619	50.066	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.140%	
62) 4-Bromofluorobenzene	12.483	95	88029	52.585	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.160%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.918	59	691	1.582	ug/l #	73
16) Acetone	3.942	43	2845	8.610	ug/l	99
18) Methyl Acetate	4.466	43	2759	2.346	ug/l #	67
20) Methylene Chloride	4.704	84	10859	7.947	ug/l	98
25) 2-Butanone	6.990	43	431	1.009	ug/l #	75
29) Tetrahydrofuran	7.350	42	349	1.271	ug/l #	58
31) Cyclohexane	7.783	56	2249	1.045	ug/l #	10
36) 1,1-Dichloropropene	7.783	75	8444	4.105	ug/l #	52
38) Carbon Tetrachloride	7.789	117	11021	5.094	ug/l #	15
59) 2-Hexanone	10.935	43	904	1.279	ug/l #	23
76) 1,2,3-Trichloropropane	12.483	75	58325	63.815	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	58325	116.828	ug/l #	3

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

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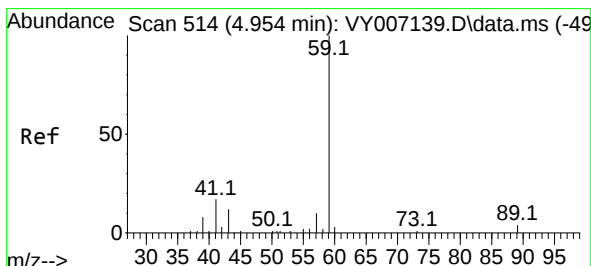
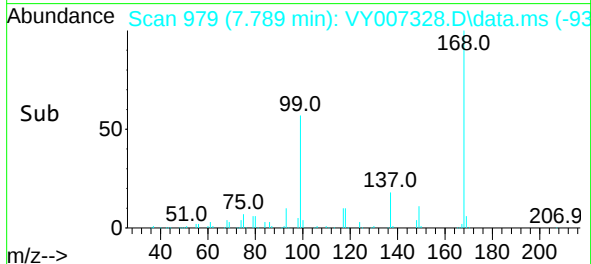
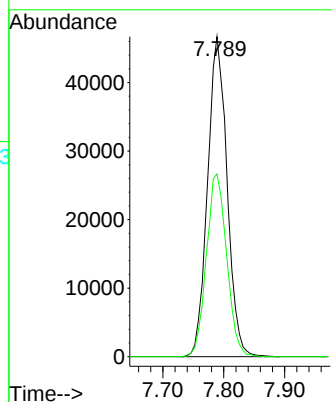
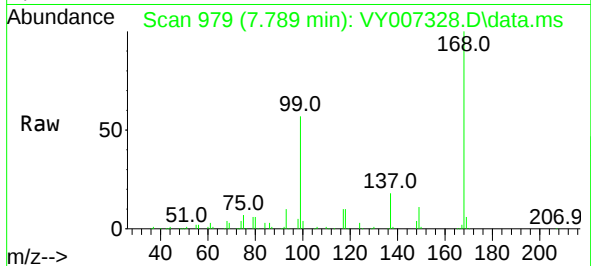




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007328.D
Acq: 28 Jan 2022 18:06

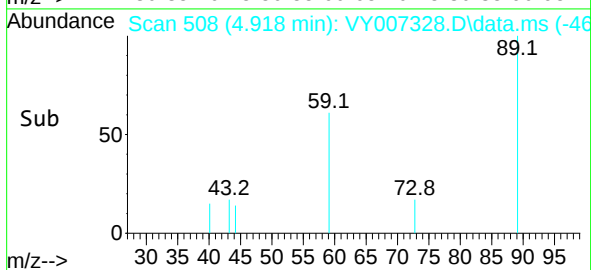
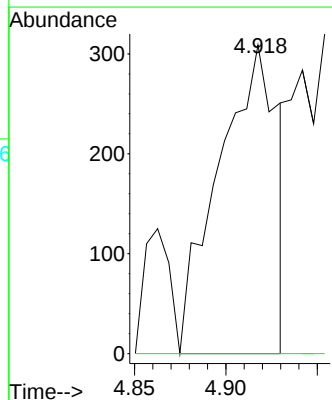
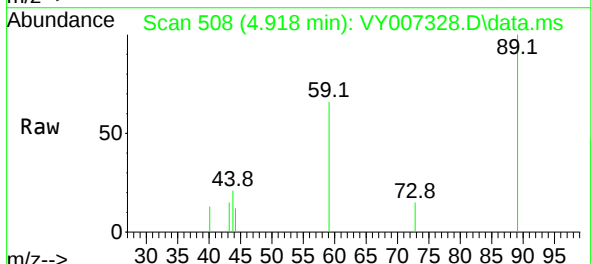
Instrument :
MSVOA_Y
ClientSampleId :
STATE-ST-SP1-(10)

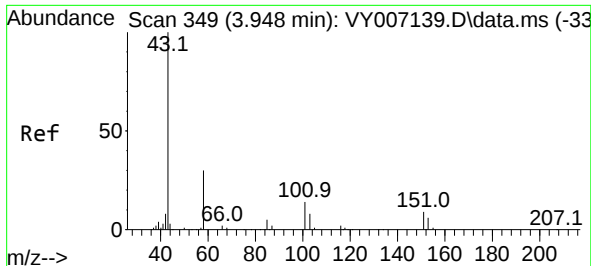
Tgt Ion:168 Resp: 103770
Ion Ratio Lower Upper
168 100
99 57.1 49.1 73.7



#11
Tert butyl alcohol
Concen: 1.582 ug/l
RT: 4.918 min Scan# 508
Delta R.T. -0.036 min
Lab File: VY007328.D
Acq: 28 Jan 2022 18:06

Tgt Ion: 59 Resp: 691
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

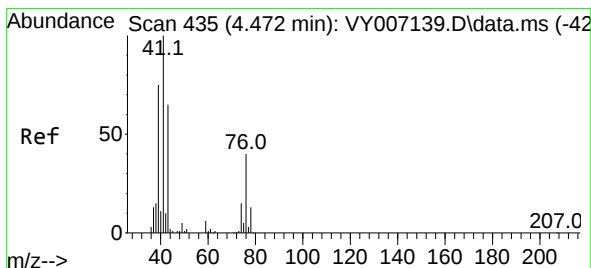
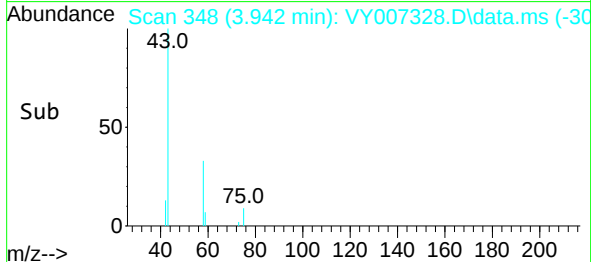
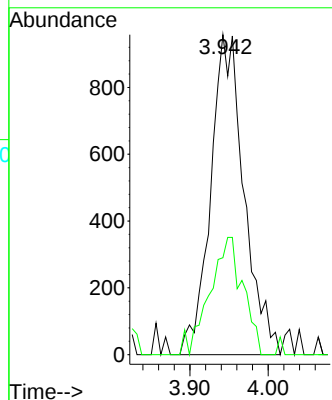
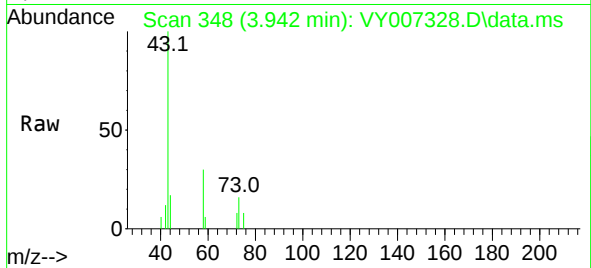




#16
Acetone
Concen: 8.610 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY007328.D
Acq: 28 Jan 2022 18:06

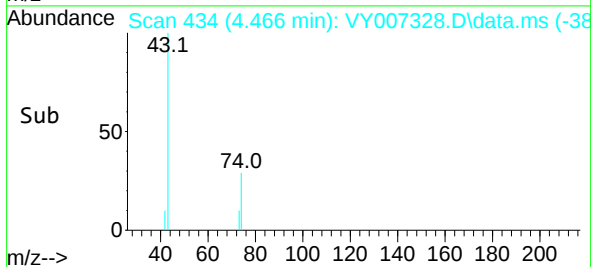
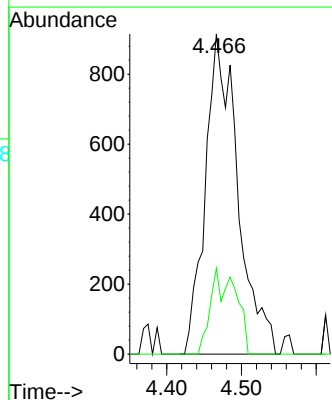
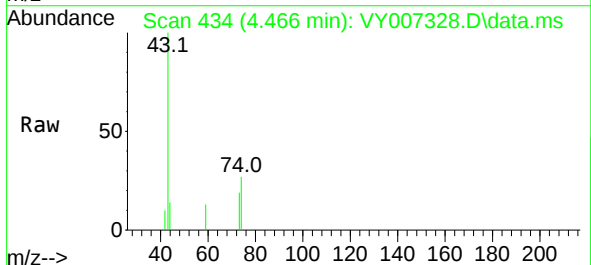
Instrument :
MSVOA_Y
ClientSampleId :
STATE-ST-SP1-(10)

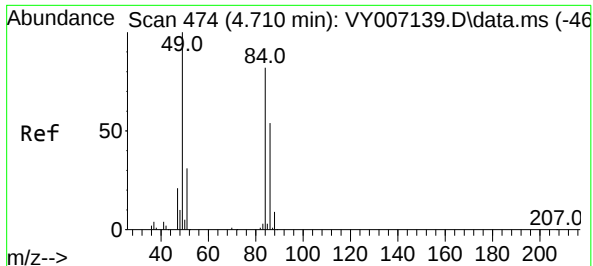
Tgt Ion: 43 Resp: 2845
Ion Ratio Lower Upper
43 100
58 30.3 23.8 35.6



#18
Methyl Acetate
Concen: 2.346 ug/l
RT: 4.466 min Scan# 434
Delta R.T. -0.006 min
Lab File: VY007328.D
Acq: 28 Jan 2022 18:06

Tgt Ion: 43 Resp: 2759
Ion Ratio Lower Upper
43 100
74 9.2 20.9 31.3#





#20

Methylene Chloride

Concen: 7.947 ug/l

RT: 4.704 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY007328.D

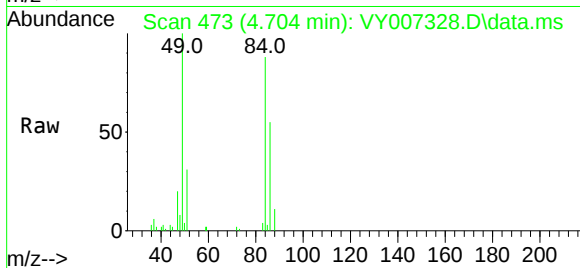
Acq: 28 Jan 2022 18:06

Instrument :

MSVOA_Y

ClientSampleId :

STATE-ST-SP1-(10)



Tgt Ion: 84 Resp: 10859

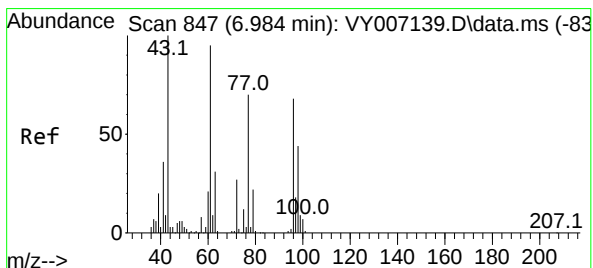
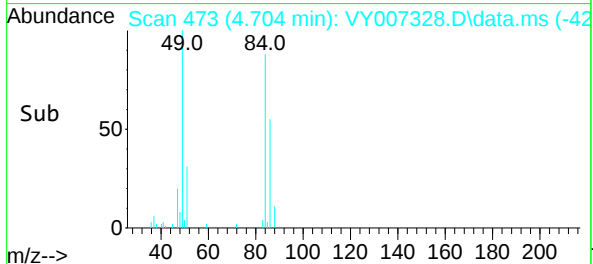
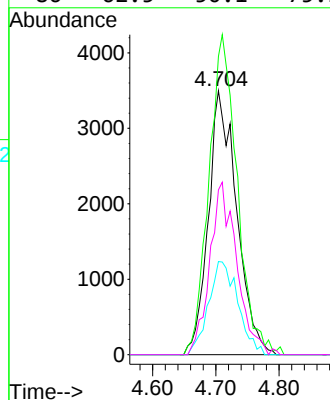
Ion Ratio Lower Upper

84 100

49 113.1 92.6 139.0

51 35.3 28.6 42.8

86 62.5 50.1 75.1



#25

2-Butanone

Concen: 1.009 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.007 min

Lab File: VY007328.D

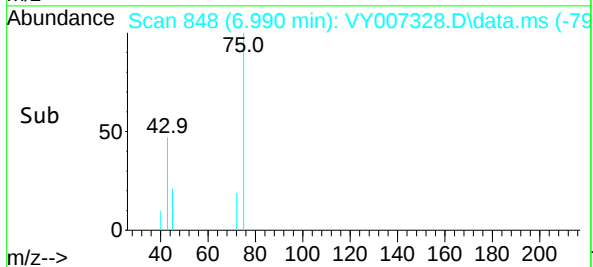
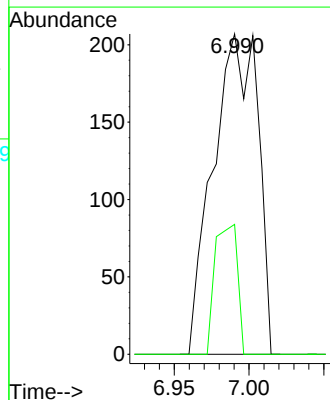
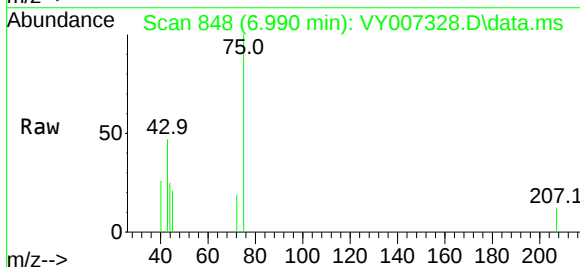
Acq: 28 Jan 2022 18:06

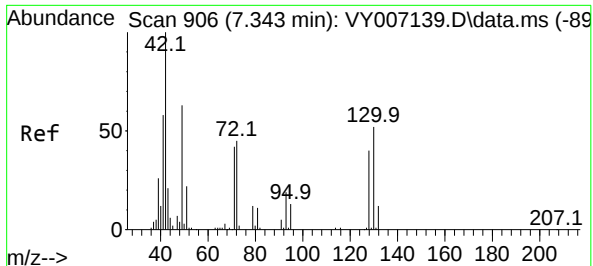
Tgt Ion: 43 Resp: 431

Ion Ratio Lower Upper

43 100

72 40.6 21.9 32.9#





#29

Tetrahydrofuran

Concen: 1.271 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY007328.D

Acq: 28 Jan 2022 18:06

Instrument :

MSVOA_Y

ClientSampleId :

STATE-ST-SP1-(10)

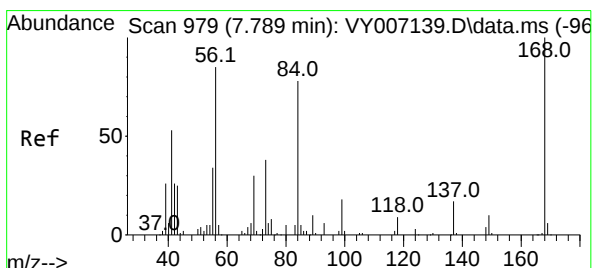
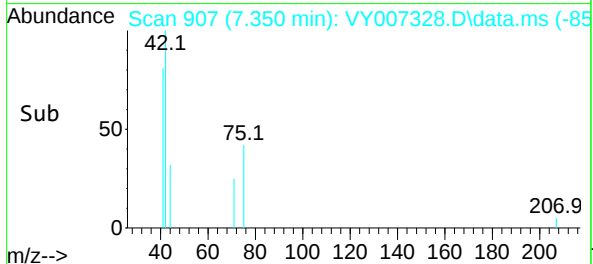
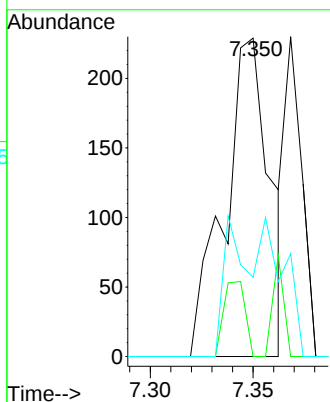
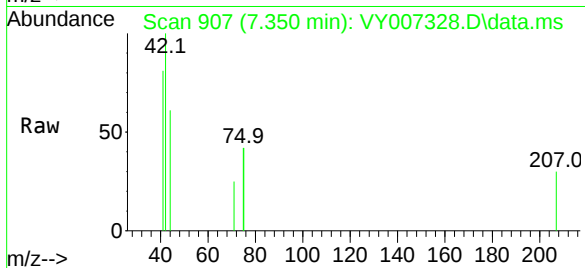
Tgt Ion: 42 Resp: 349

Ion Ratio Lower Upper

42 100

72 11.2 36.6 54.8#

71 23.5 34.1 51.1#



#31

Cyclohexane

Concen: 1.045 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY007328.D

Acq: 28 Jan 2022 18:06

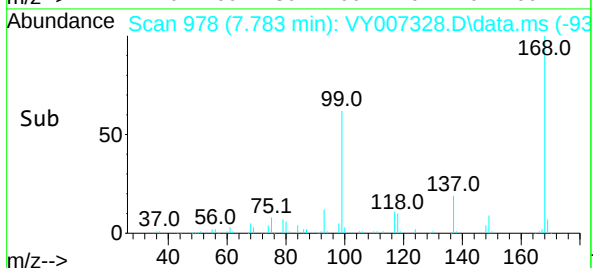
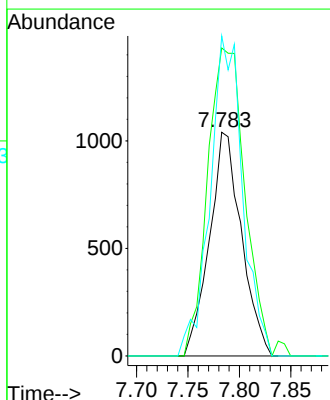
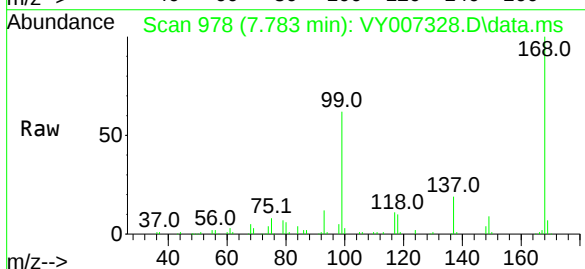
Tgt Ion: 56 Resp: 2249

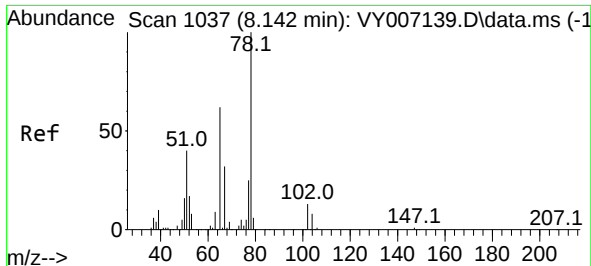
Ion Ratio Lower Upper

56 100

69 137.7 27.2 40.8#

84 143.1 72.1 108.1#

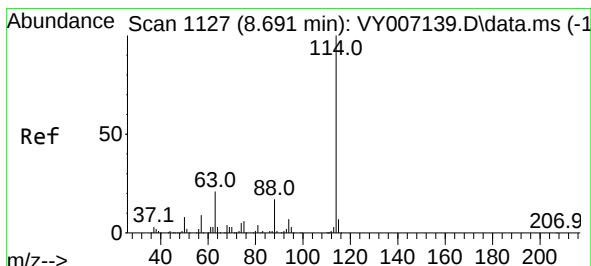
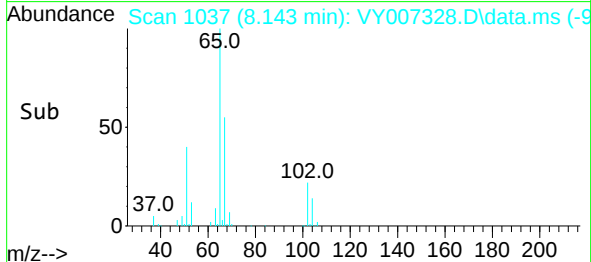
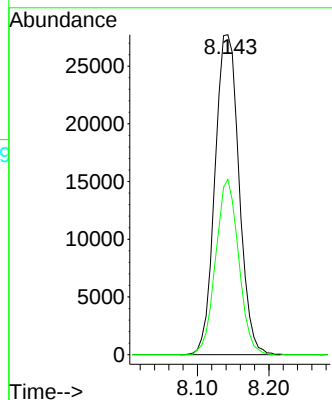
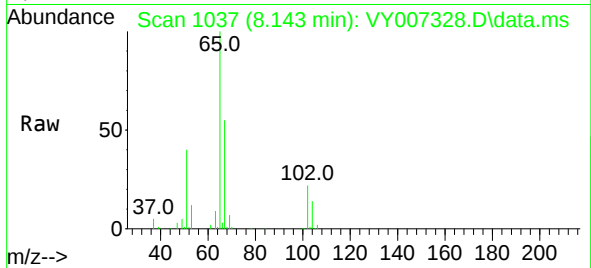




#33
 1,2-Dichloroethane-d4
 Concen: 50.912 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. 0.000 min
 Lab File: VY007328.D
 Acq: 28 Jan 2022 18:06

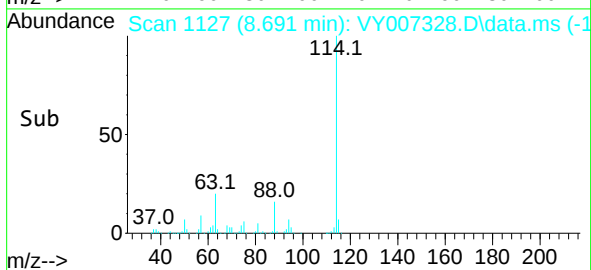
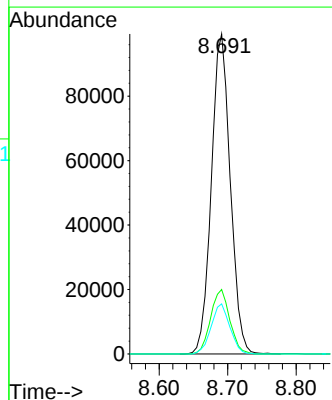
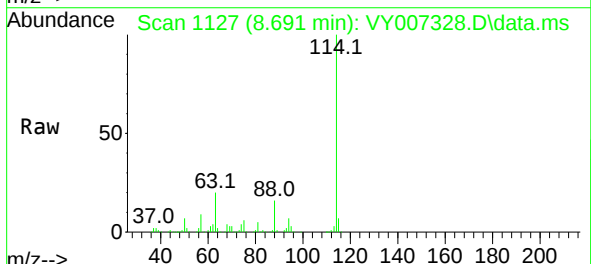
Instrument :
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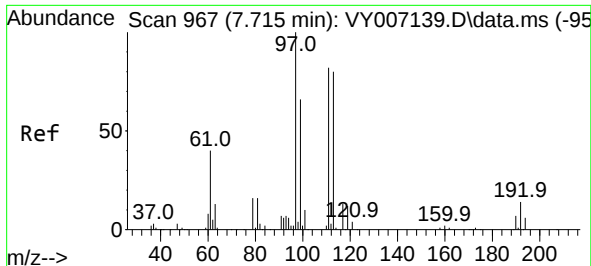
Tgt Ion: 65 Resp: 64825
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY007328.D
 Acq: 28 Jan 2022 18:06

Tgt Ion: 114 Resp: 190474
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.2
 88 15.7 0.0 31.0

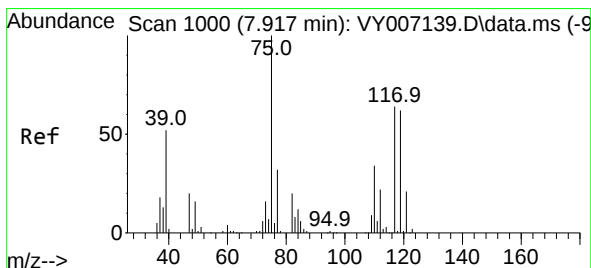
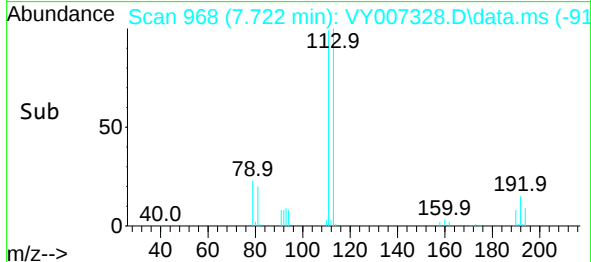
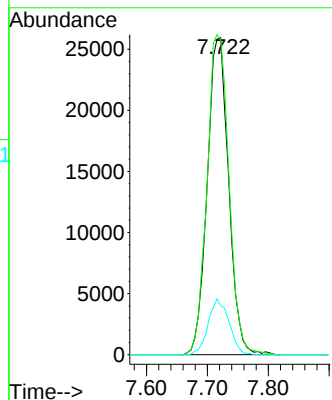
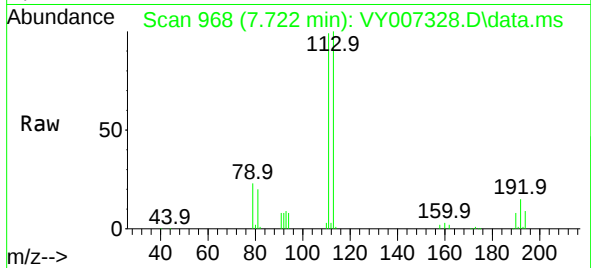




#35
Dibromofluoromethane
Concen: 49.276 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007328.D
Acq: 28 Jan 2022 18:06

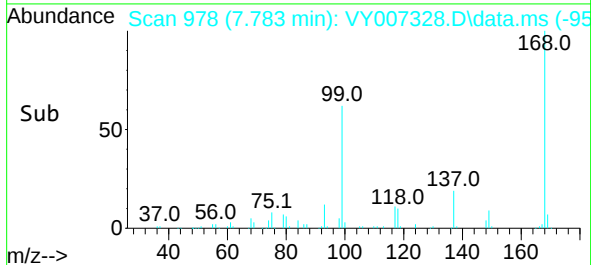
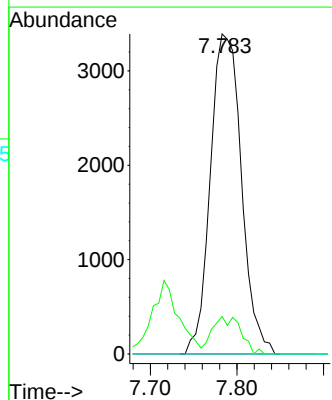
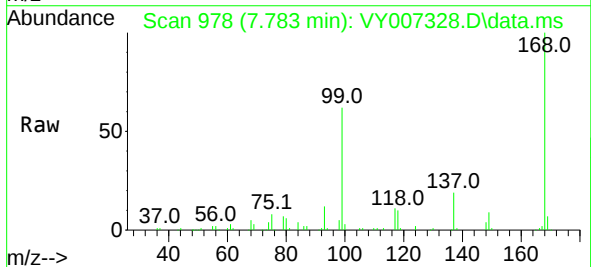
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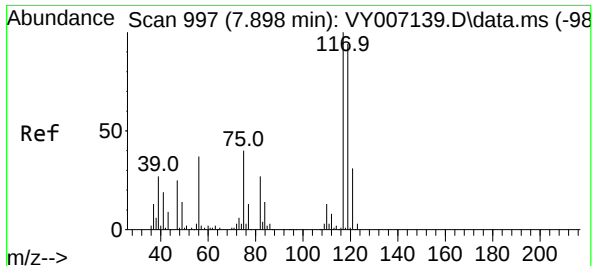
Tgt Ion:113 Resp: 63466
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.4
192 17.0 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.105 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY007328.D
Acq: 28 Jan 2022 18:06

Tgt Ion: 75 Resp: 8444
Ion Ratio Lower Upper
75 100
110 10.8 17.3 51.9#
77 0.0 24.7 37.1#

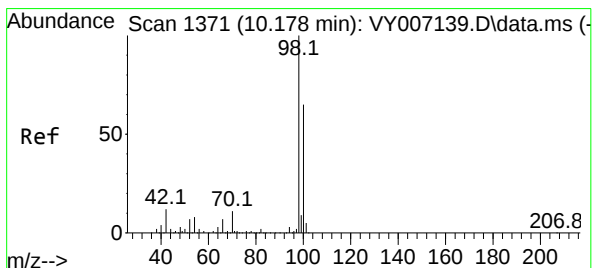
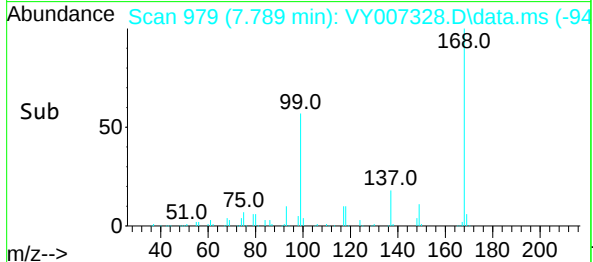
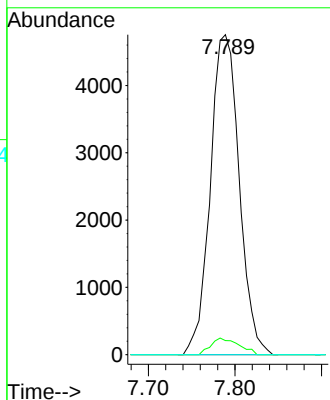
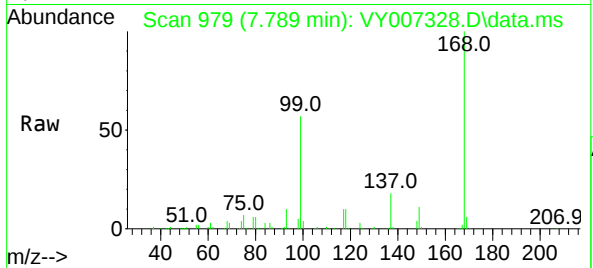




#38
Carbon Tetrachloride
Concen: 5.094 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY007328.D
Acq: 28 Jan 2022 18:06

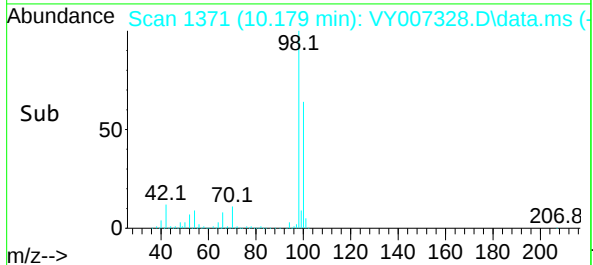
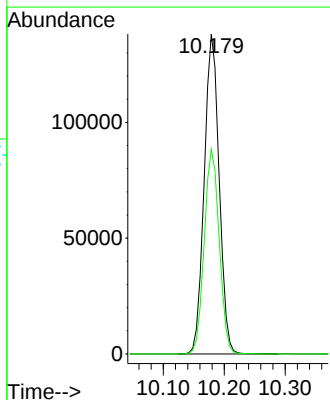
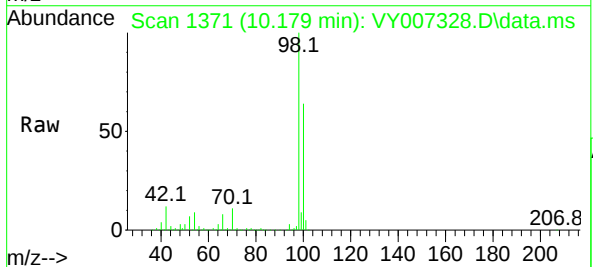
Instrument :
MSVOA_Y
ClientSampleId :
STATE-ST-SP1-(10)

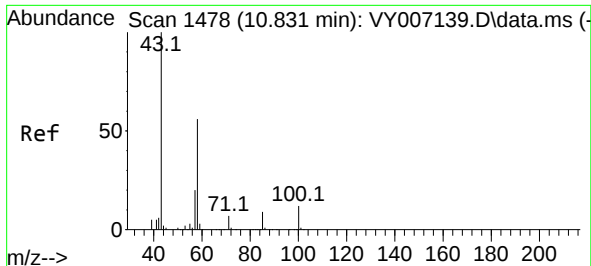
Tgt Ion:117 Resp: 11021
Ion Ratio Lower Upper
117 100
119 4.4 77.2 115.8#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.066 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY007328.D
Acq: 28 Jan 2022 18:06

Tgt Ion: 98 Resp: 235619
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.2

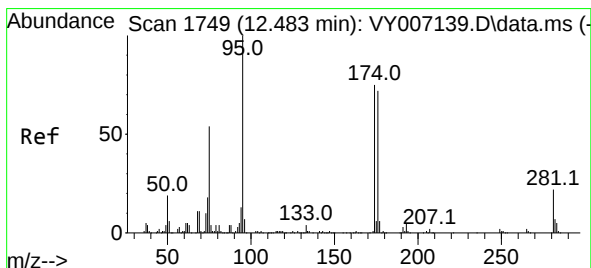
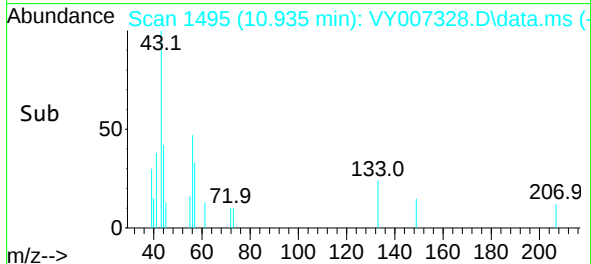
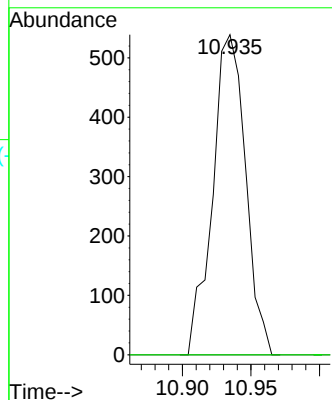
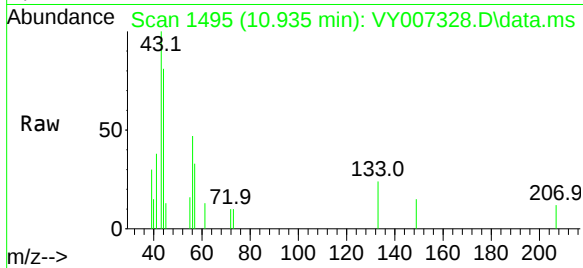




#59
2-Hexanone
Concen: 1.279 ug/l
RT: 10.935 min Scan# 1478
Delta R.T. 0.104 min
Lab File: VY007328.D
Acq: 28 Jan 2022 18:06

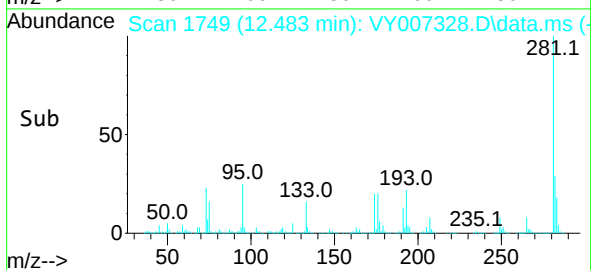
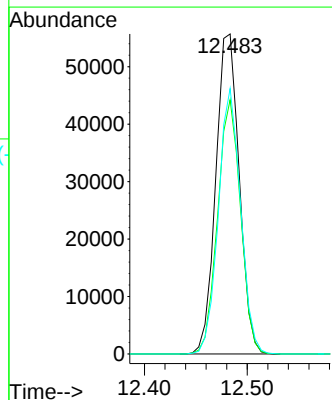
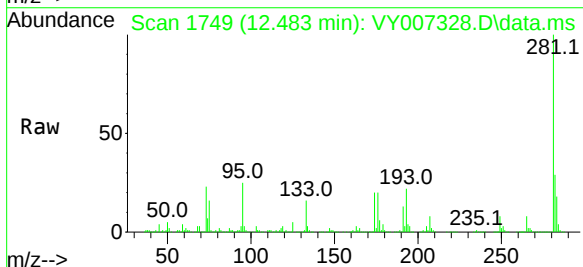
Instrument :
MSVOA_Y
ClientSampleId :
STATE-ST-SP1-(10)

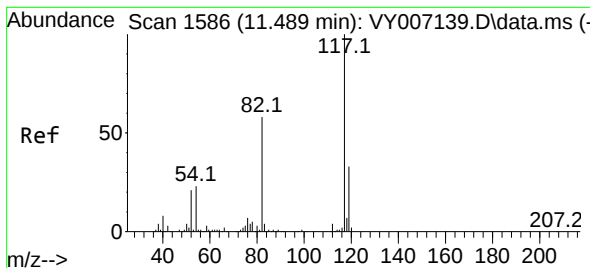
Tgt Ion: 43 Resp: 904
Ion Ratio Lower Upper
43 100
58 0.0 28.4 85.3#



#62
4-Bromofluorobenzene
Concen: 52.585 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY007328.D
Acq: 28 Jan 2022 18:06

Tgt Ion: 95 Resp: 88029
Ion Ratio Lower Upper
95 100
174 77.4 0.0 148.4
176 78.7 0.0 146.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY007328.D

Acq: 28 Jan 2022 18:06

Instrument :

MSVOA_Y

ClientSampleId :

STATE-ST-SP1-(10)

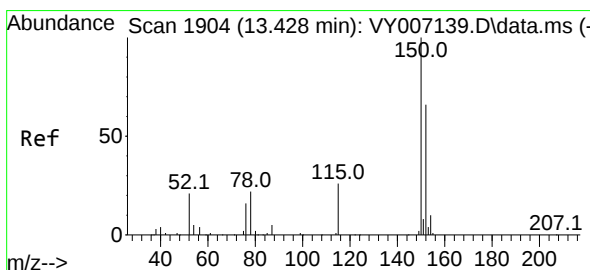
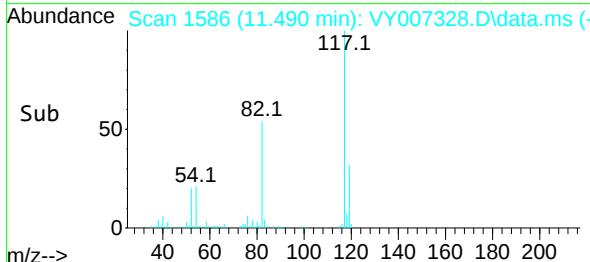
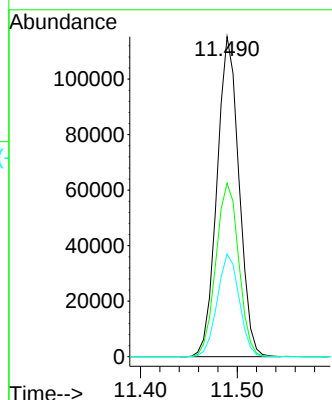
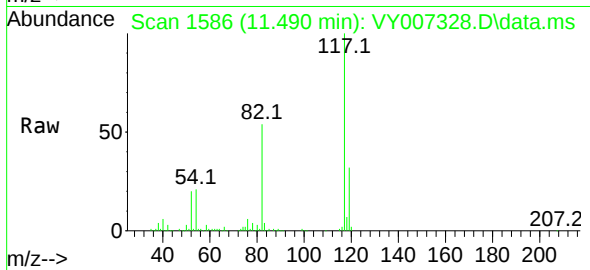
Tgt Ion:117 Resp: 182450

Ion Ratio Lower Upper

117 100

82 54.2 45.4 68.0

119 32.1 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: VY007328.D

Acq: 28 Jan 2022 18:06

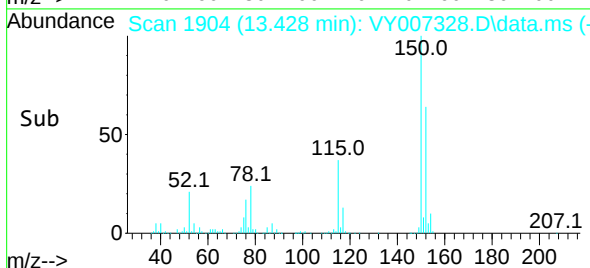
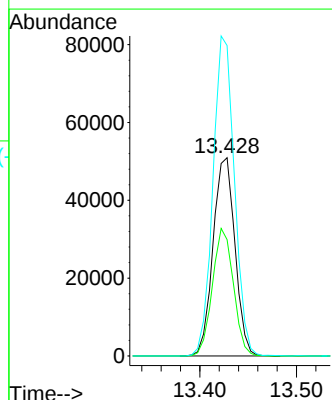
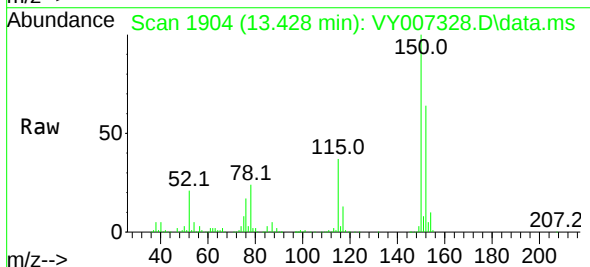
Tgt Ion:152 Resp: 80154

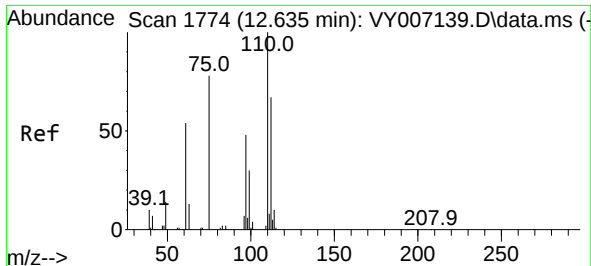
Ion Ratio Lower Upper

152 100

115 61.6 31.4 94.0

150 158.0 0.0 348.4

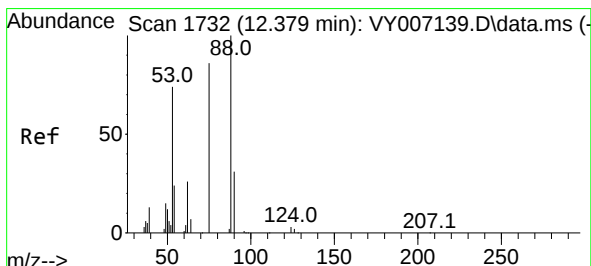
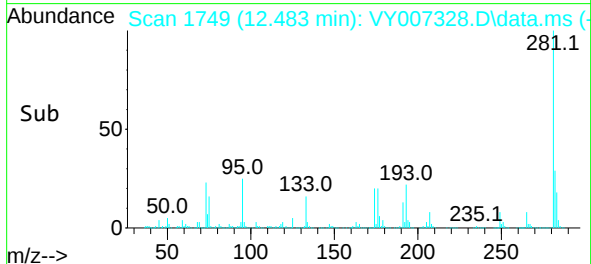
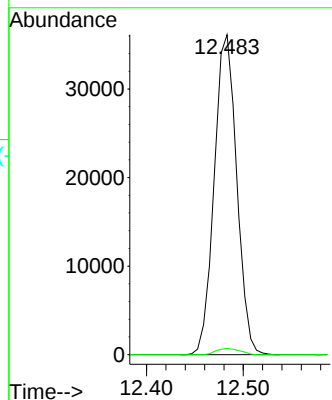
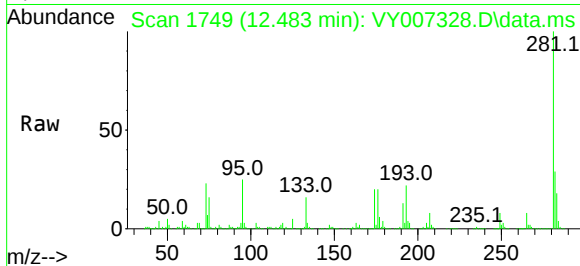




#76
1,2,3-Trichloropropane
Concen: 63.815 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY007328.D
Acq: 28 Jan 2022 18:06

Instrument :
MSVOA_Y
ClientSampleId :
STATE-ST-SP1-(10)

Tgt Ion: 75 Resp: 58325
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 116.828 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY007328.D
Acq: 28 Jan 2022 18:06

Tgt Ion: 75 Resp: 58325
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 6.1 0.0 0.0#

