

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012821\
 Data File : VN065644.D
 Acq On : 28 Jan 2021 12:51
 Operator : JC/MD
 Sample : M1272-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WP-325

Quant Time: Jan 29 01:21:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 25 13:47:28 2021
 Response via : Initial Calibration

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

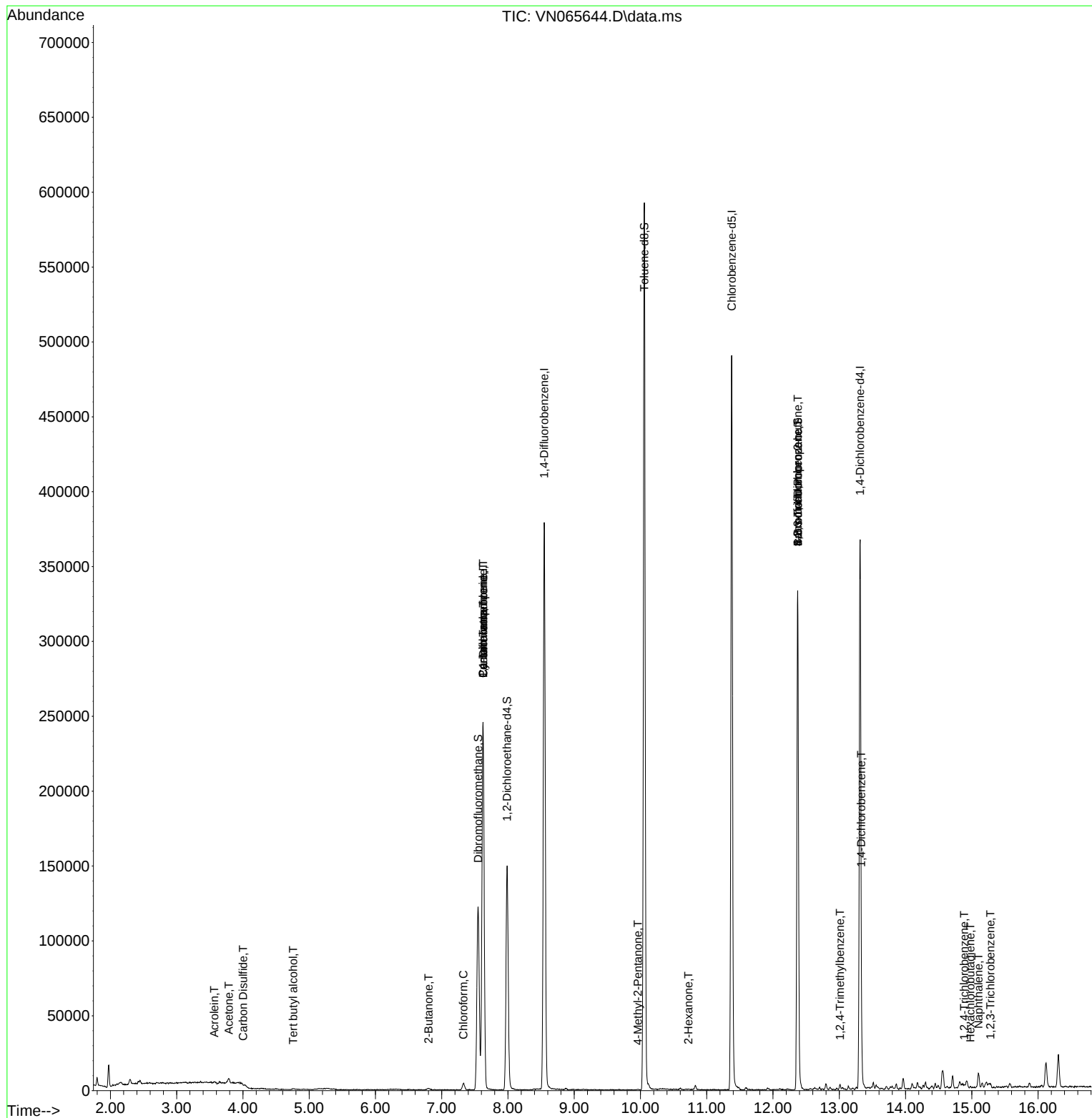
Internal Standards						
1) Pentafluorobenzene	7.624	168	200367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.547	114	347227	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	293450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	103253	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	125144	47.47	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.94%		
35) Dibromofluoromethane	7.550	113	100830	49.00	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.00%		
50) Toluene-d8	10.058	98	429008	53.04	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.08%		
62) 4-Bromofluorobenzene	12.373	95	135932	46.67	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	93.34%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.759	59	468	0.95	ug/l #	73
13) Acrolein	3.566	56	299	18.74	ug/l #	50
16) Acetone	3.785	43	4925	4.80	ug/l	100
17) Carbon Disulfide	4.003	76	1618	0.21	ug/l #	74
25) 2-Butanone	6.801	43	608	0.38	ug/l #	46
30) Chloroform	7.328	83	4933	1.09	ug/l	98
31) Cyclohexane	7.624	56	4200	0.85	ug/l #	1
36) 1,1-Dichloropropene	7.624	75	16357	4.68	ug/l #	48
38) Carbon Tetrachloride	7.624	117	19361	6.73	ug/l #	16
51) 4-Methyl-2-Pentanone	9.961	43	677	0.21	ug/l #	35
59) 2-Hexanone	10.724	43	471	0.21	ug/l #	23
71) Bromoform	12.373	173	596	0.40	ug/l #	1
76) 1,2,3-Trichloropropane	12.373	75	63534	23.53	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	63534	60.27	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.010	105	2737	0.36	ug/l	88
88) 1,4-Dichlorobenzene	13.331	146	1075	0.30	ug/l #	19
93) 1,2,4-Trichlorobenzene	14.884	180	550	3.61	ug/l #	79
94) Hexachlorobutadiene	14.981	225	295	0.56	ug/l #	32
95) Naphthalene	15.100	128	9027	4.71	ug/l	97
96) 1,2,3-Trichlorobenzene	15.283	180	971	3.29	ug/l #	80

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

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Quant Title : SW846 8260
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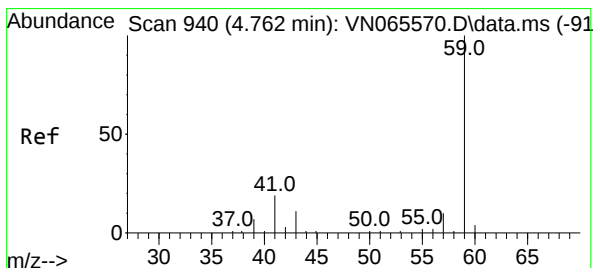
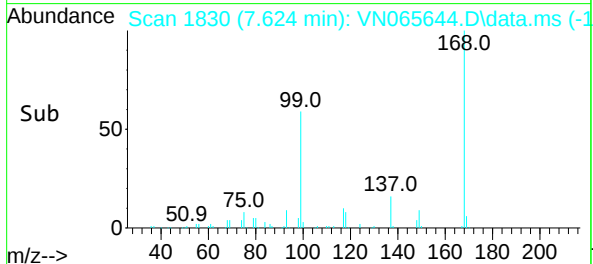
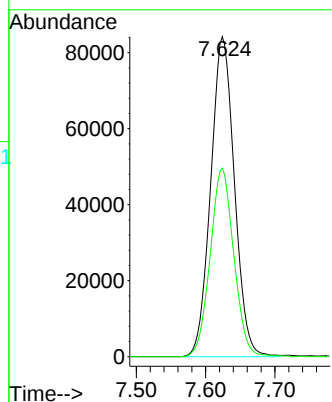
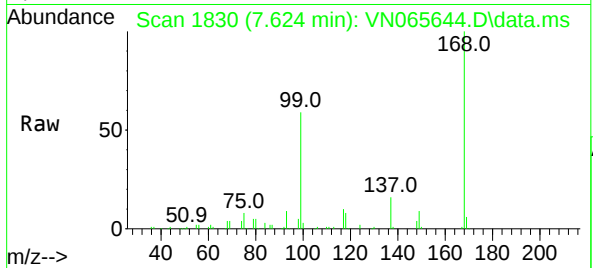




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.000 min
Lab File: VN065644.D
Acq: 28 Jan 2021 12:51

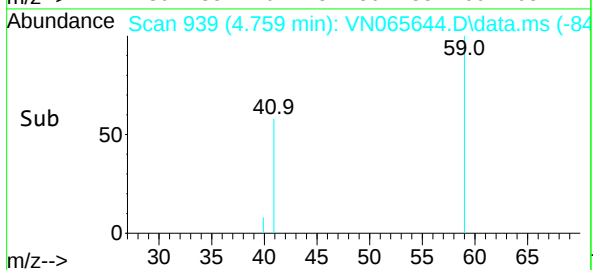
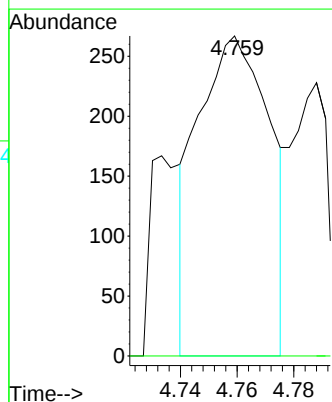
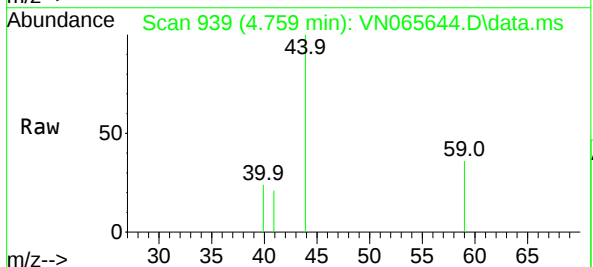
Instrument :
MSVOA_N
ClientSampleId :
WP-325

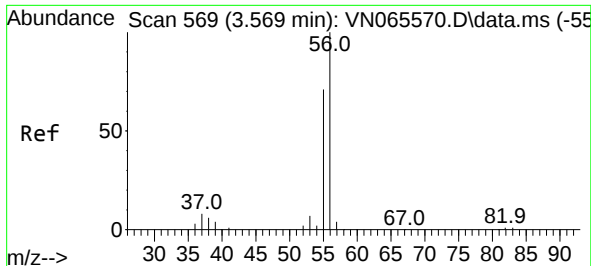
Tgt Ion:168 Resp: 200367
Ion Ratio Lower Upper
168 100
99 59.0 42.6 63.8



#11
Tert butyl alcohol
Concen: 0.95 ug/l
RT: 4.759 min Scan# 939
Delta R.T. -0.003 min
Lab File: VN065644.D
Acq: 28 Jan 2021 12:51

Tgt Ion: 59 Resp: 468
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

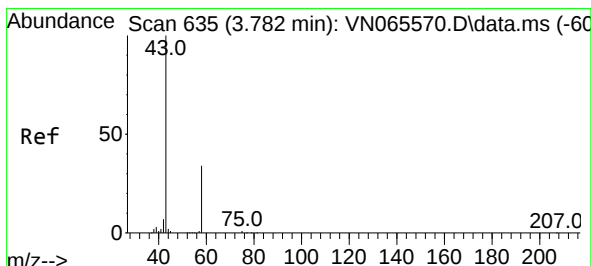
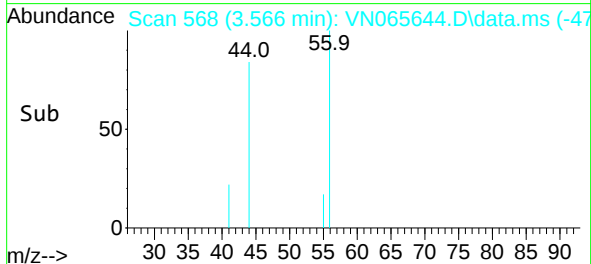
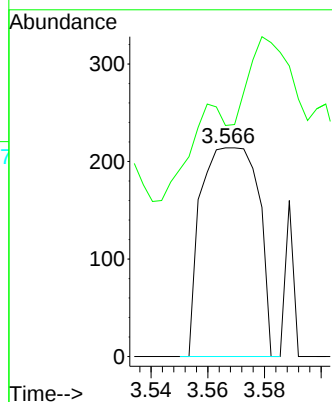
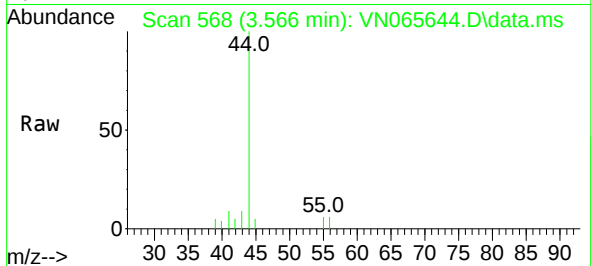




#13
Acrolein
Concen: 18.74 ug/l
RT: 3.566 min Scan# 568
Delta R.T. -0.003 min
Lab File: VN065644.D
Acq: 28 Jan 2021 12:51

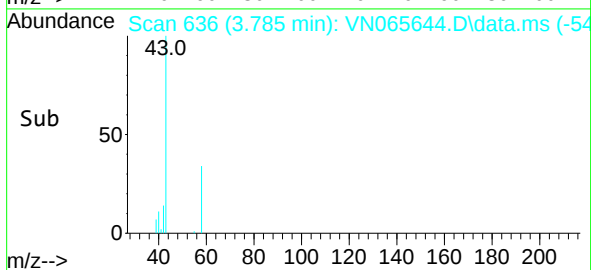
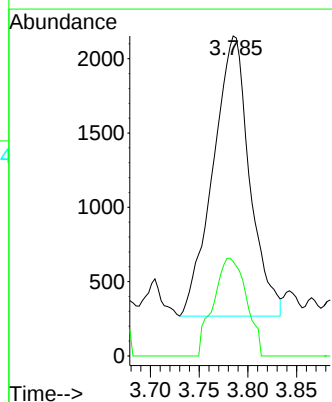
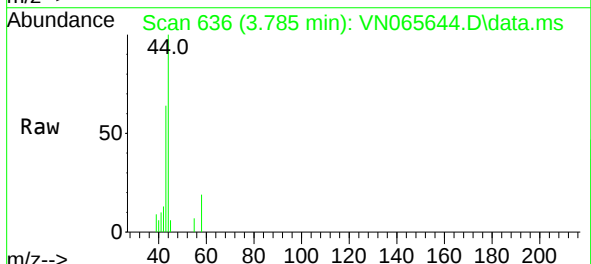
Instrument :
MSVOA_N
ClientSampled :
WP-325

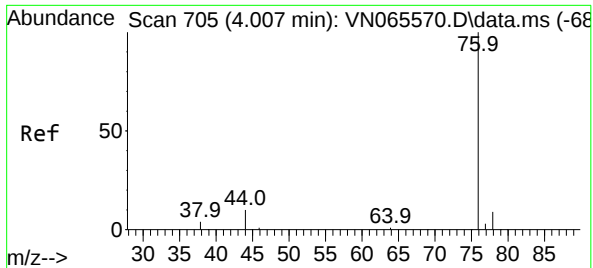
Tgt Ion: 56 Resp: 299
Ion Ratio Lower Upper
56 100
55 29.1 56.0 84.0#



#16
Acetone
Concen: 4.80 ug/l
RT: 3.785 min Scan# 636
Delta R.T. 0.003 min
Lab File: VN065644.D
Acq: 28 Jan 2021 12:51

Tgt Ion: 43 Resp: 4925
Ion Ratio Lower Upper
43 100
58 33.7 27.0 40.6

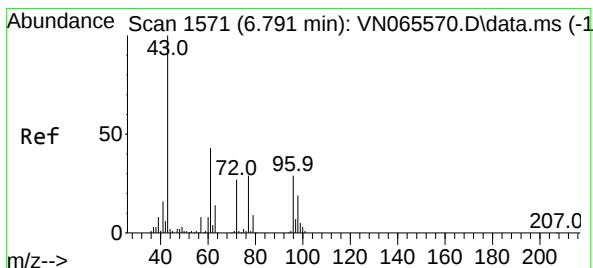
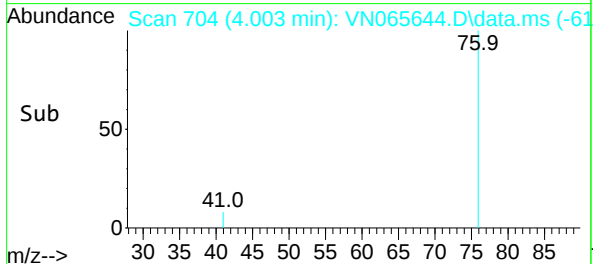
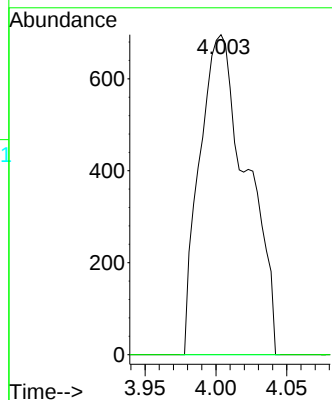
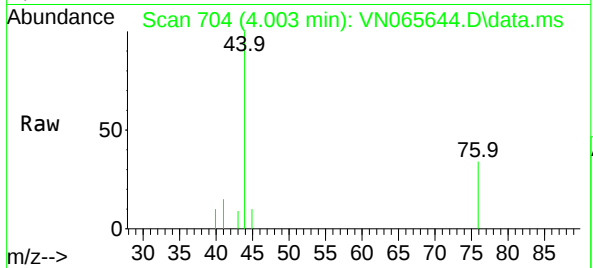




#17
Carbon Disulfide
Concen: 0.21 ug/l
RT: 4.003 min Scan# 704
Delta R.T. -0.003 min
Lab File: VN065644.D
Acq: 28 Jan 2021 12:51

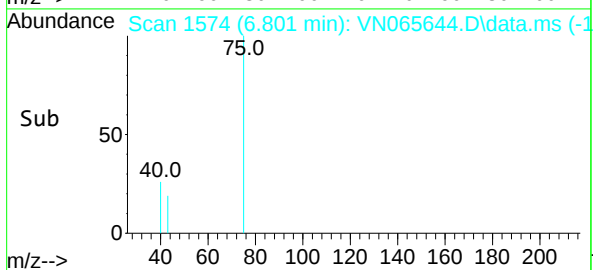
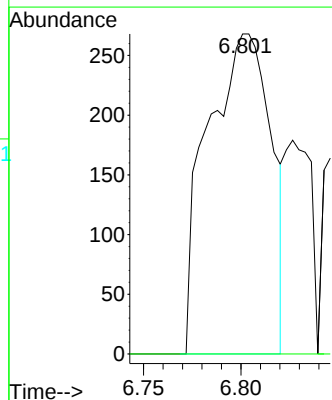
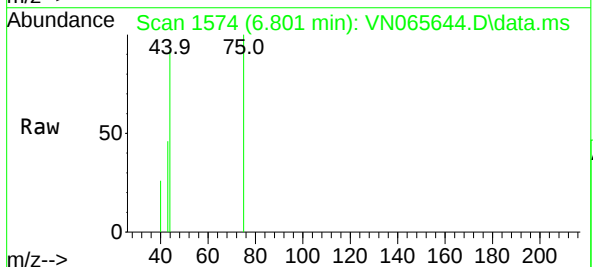
Instrument :
MSVOA_N
ClientSampleId :
WP-325

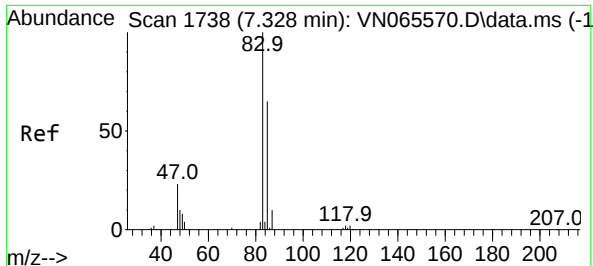
Tgt Ion: 76 Resp: 1618
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



#25
2-Butanone
Concen: 0.38 ug/l
RT: 6.801 min Scan# 1574
Delta R.T. 0.010 min
Lab File: VN065644.D
Acq: 28 Jan 2021 12:51

Tgt Ion: 43 Resp: 608
Ion Ratio Lower Upper
43 100
72 0.0 23.1 34.7#





#30

Chloroform

Concen: 1.09 ug/l

RT: 7.328 min Scan# 1738

Delta R.T. 0.000 min

Lab File: VN065644.D

Acq: 28 Jan 2021 12:51

Instrument :

MSVOA_N

ClientSampleId :

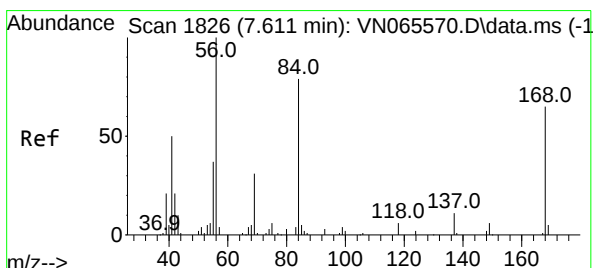
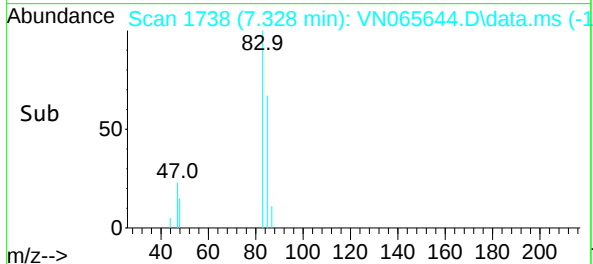
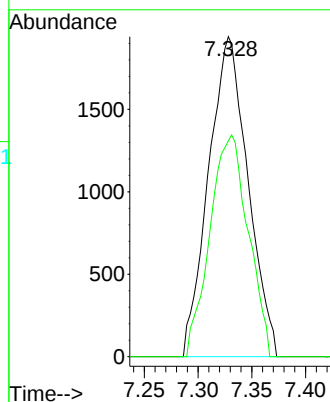
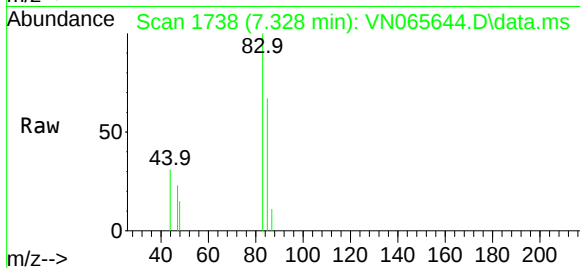
WP-325

Tgt Ion: 83 Resp: 4933

Ion Ratio Lower Upper

83 100

85 67.4 52.6 78.8



#31

Cyclohexane

Concen: 0.85 ug/l

RT: 7.624 min Scan# 1830

Delta R.T. 0.013 min

Lab File: VN065644.D

Acq: 28 Jan 2021 12:51

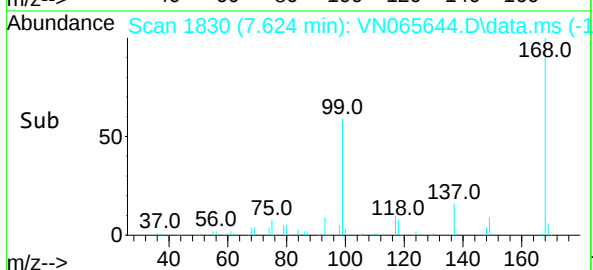
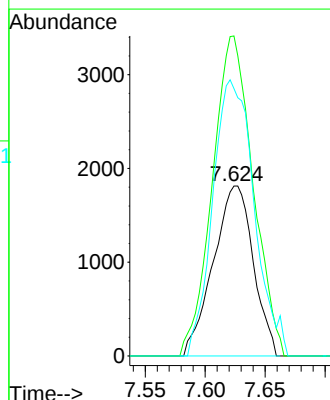
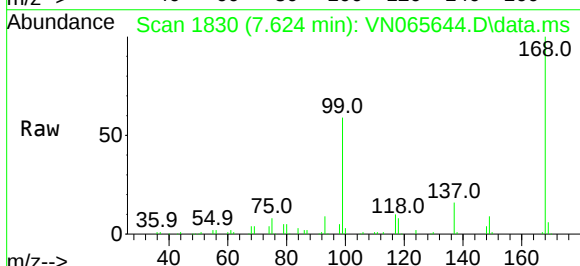
Tgt Ion: 56 Resp: 4200

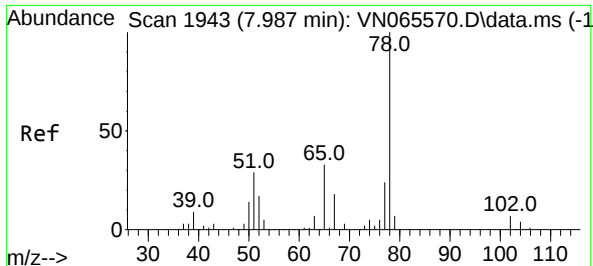
Ion Ratio Lower Upper

56 100

69 188.3 26.6 39.8#

84 157.3 70.4 105.6#

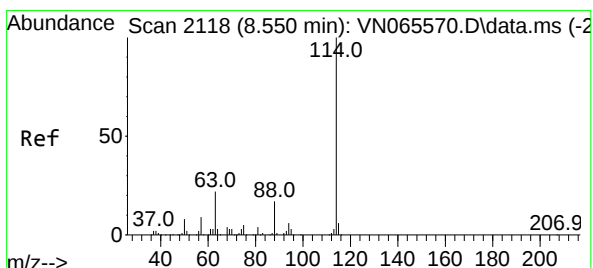
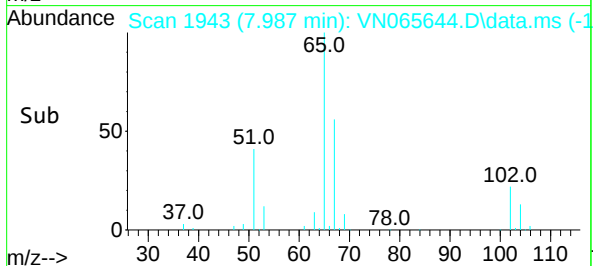
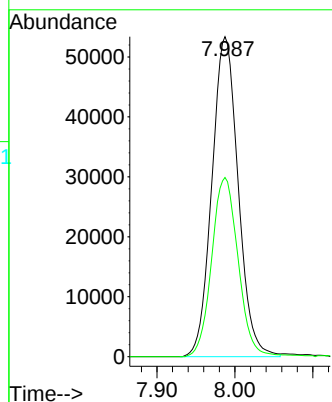
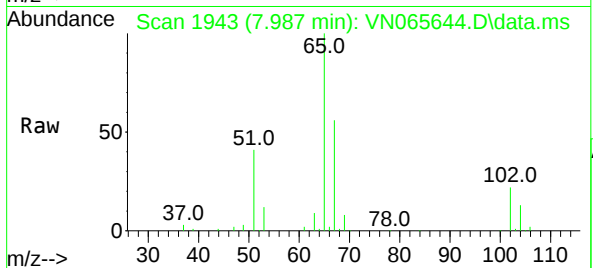




#33
1,2-Dichloroethane-d4
Concen: 47.47 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN065644.D
Acq: 28 Jan 2021 12:51

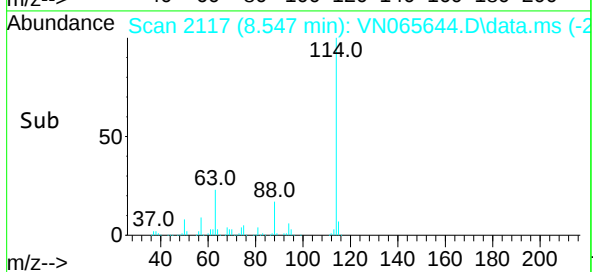
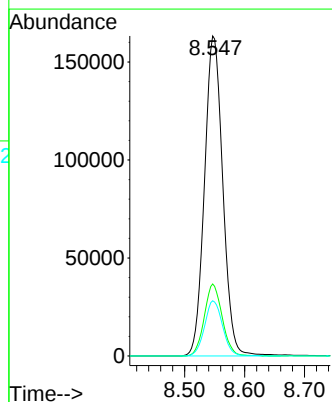
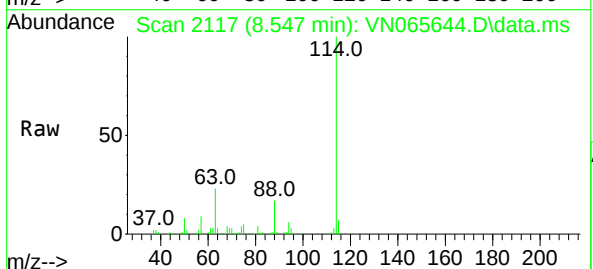
Instrument :
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ClientSampled :
WP-325

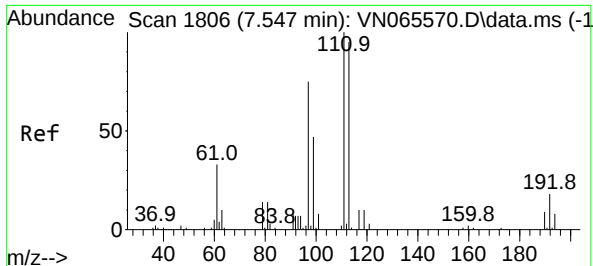
Tgt Ion: 65 Resp: 125144
Ion Ratio Lower Upper
65 100
67 56.5 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.547 min Scan# 2117
Delta R.T. -0.003 min
Lab File: VN065644.D
Acq: 28 Jan 2021 12:51

Tgt Ion: 114 Resp: 347227
Ion Ratio Lower Upper
114 100
63 22.5 0.0 38.6
88 17.2 0.0 30.6

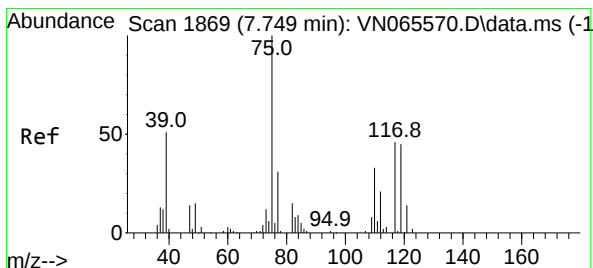
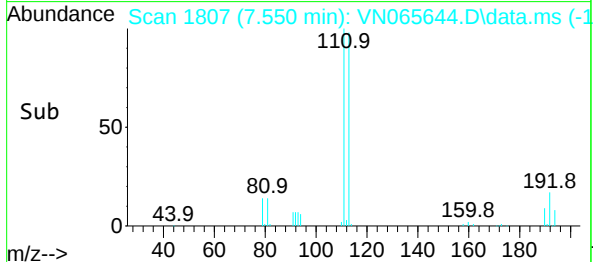
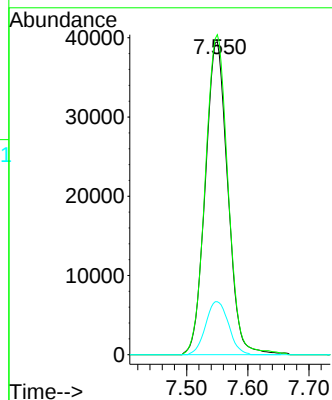
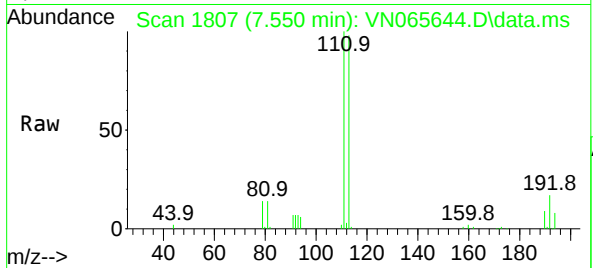




#35
Dibromofluoromethane
Concen: 49.00 ug/l
RT: 7.550 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VN065644.D
Acq: 28 Jan 2021 12:51

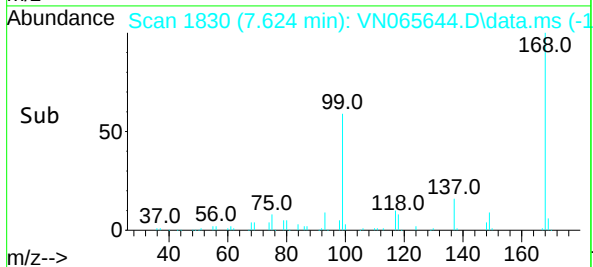
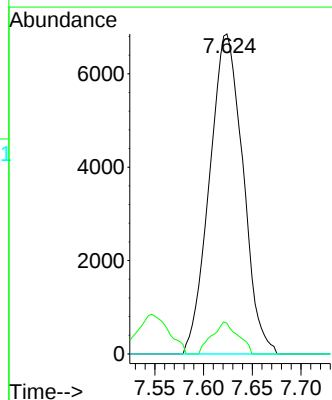
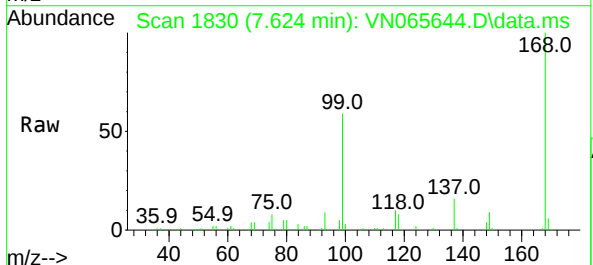
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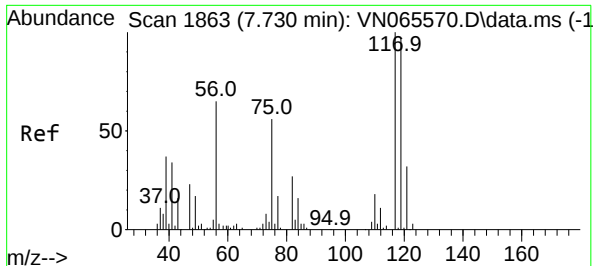
Tgt Ion:113 Resp: 100830
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 17.3 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.68 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.125 min
Lab File: VN065644.D
Acq: 28 Jan 2021 12:51

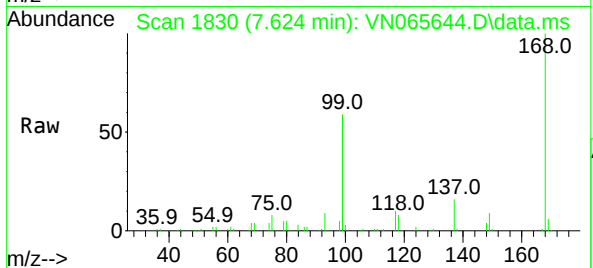
Tgt Ion: 75 Resp: 16357
Ion Ratio Lower Upper
75 100
110 7.8 18.2 54.6#
77 0.0 24.9 37.3#



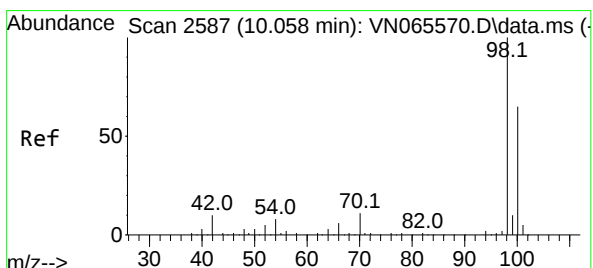
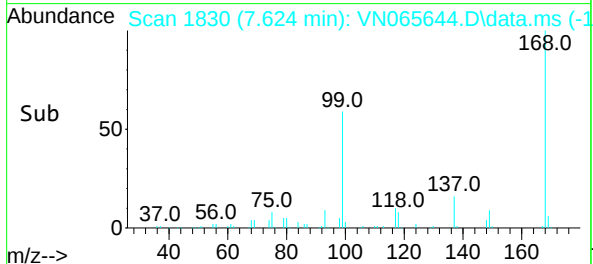
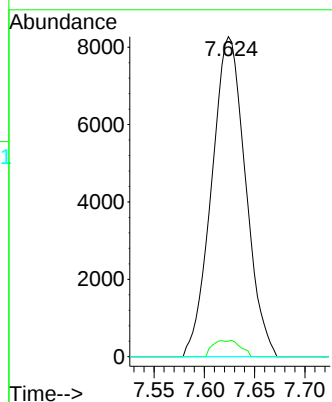


#38
Carbon Tetrachloride
Concen: 6.73 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.106 min
Lab File: VN065644.D
Acq: 28 Jan 2021 12:51

Instrument :
MSVOA_N
ClientSampled :
WP-325

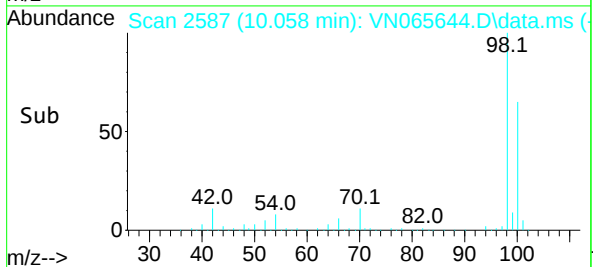
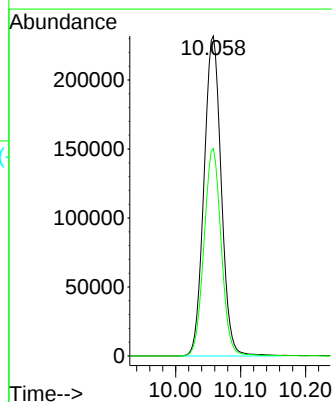
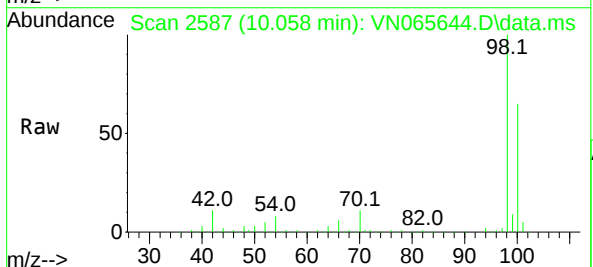


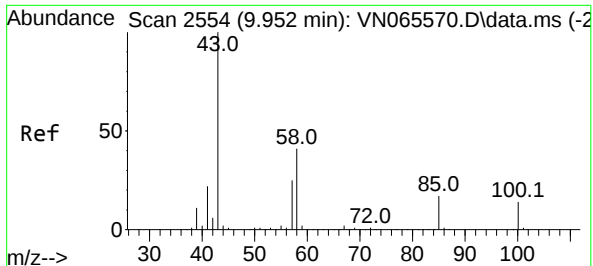
Tgt Ion:117 Resp: 19361
Ion Ratio Lower Upper
117 100
119 4.9 76.0 114.0#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 53.04 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. -0.000 min
Lab File: VN065644.D
Acq: 28 Jan 2021 12:51

Tgt Ion: 98 Resp: 429008
Ion Ratio Lower Upper
98 100
100 64.8 50.5 75.7

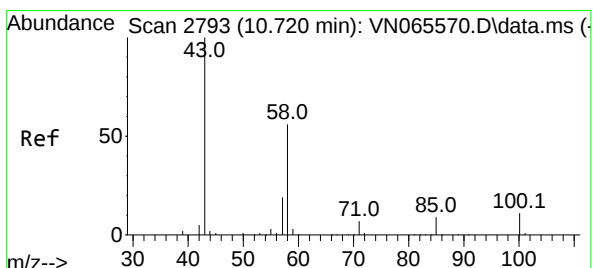
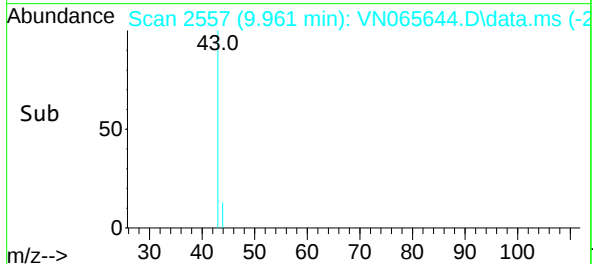
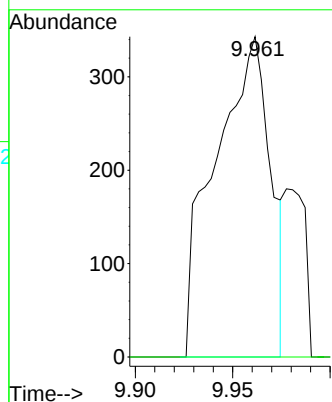
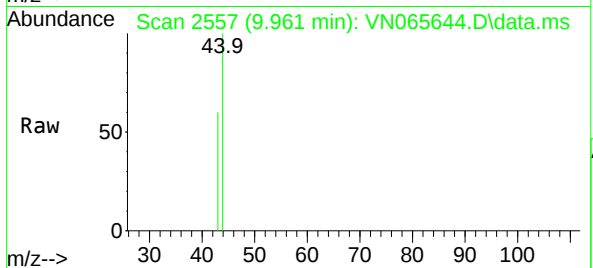




#51
4-Methyl-2-Pentanone
Concen: 0.21 ug/l
RT: 9.961 min Scan# 2557
Delta R.T. 0.009 min
Lab File: VN065644.D
Acq: 28 Jan 2021 12:51

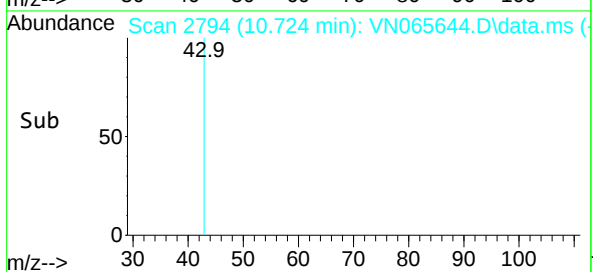
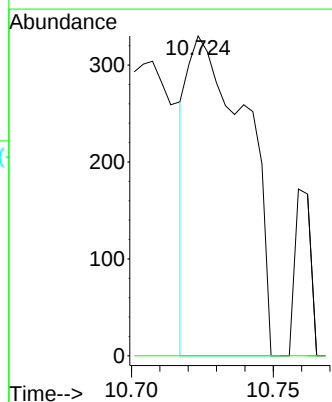
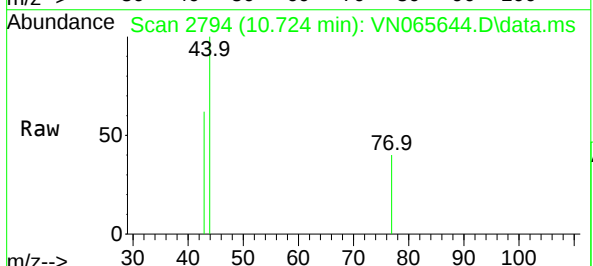
Instrument :
MSVOA_N
ClientSampleId :
WP-325

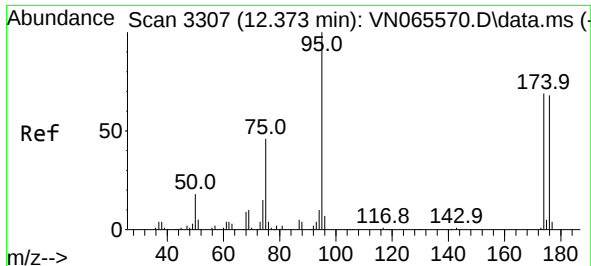
Tgt Ion: 43 Resp: 677
Ion Ratio Lower Upper
43 100
58 0.0 32.5 48.7#



#59
2-Hexanone
Concen: 0.21 ug/l
RT: 10.724 min Scan# 2794
Delta R.T. 0.003 min
Lab File: VN065644.D
Acq: 28 Jan 2021 12:51

Tgt Ion: 43 Resp: 471
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#

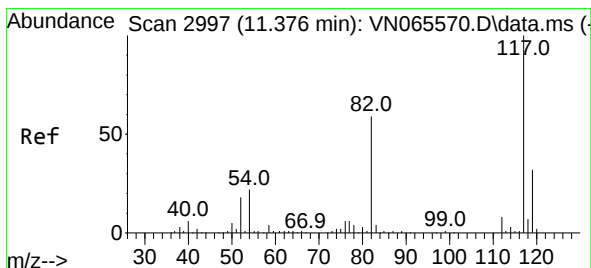
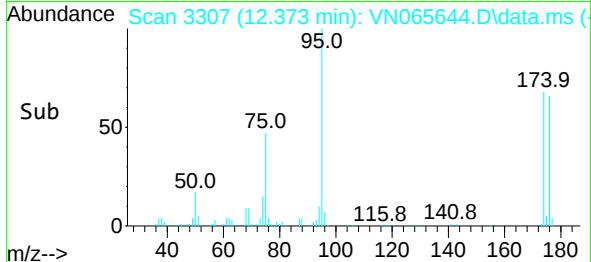
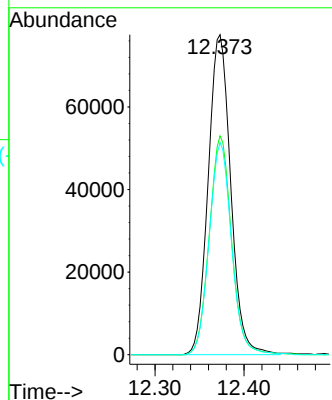
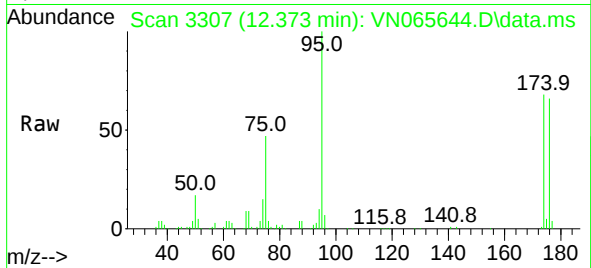




#62
4-Bromofluorobenzene
Concen: 46.67 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.000 min
Lab File: VN065644.D
Acq: 28 Jan 2021 12:51

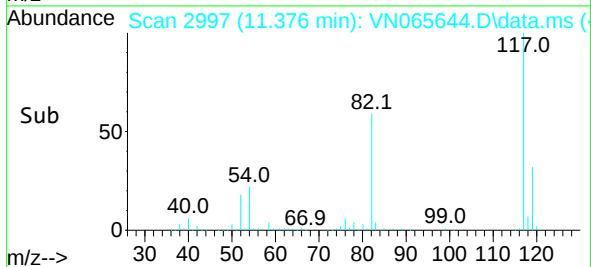
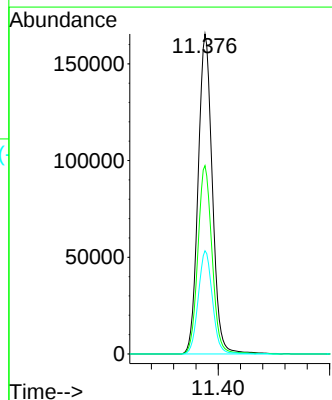
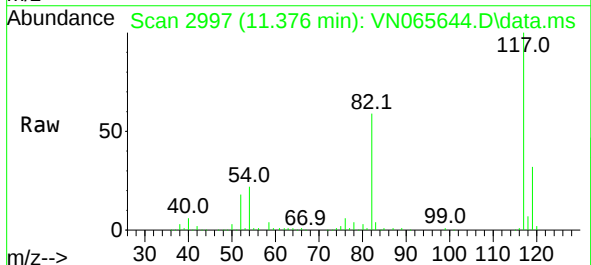
Instrument :
MSVOA_N
ClientSampleId :
WP-325

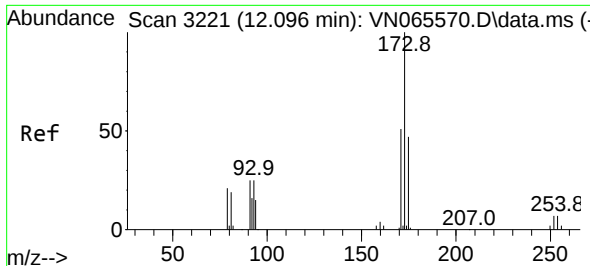
Tgt Ion: 95 Resp: 135932
Ion Ratio Lower Upper
95 100
174 67.8 0.0 169.0
176 65.8 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065644.D
Acq: 28 Jan 2021 12:51

Tgt Ion: 117 Resp: 293450
Ion Ratio Lower Upper
117 100
82 58.8 43.7 65.5
119 32.3 26.1 39.1

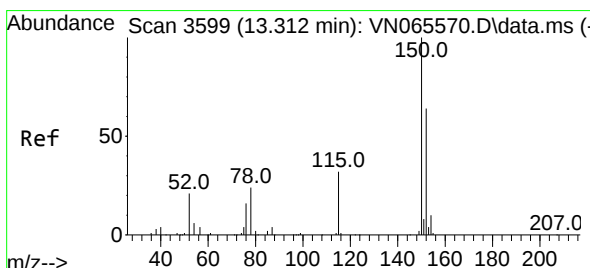
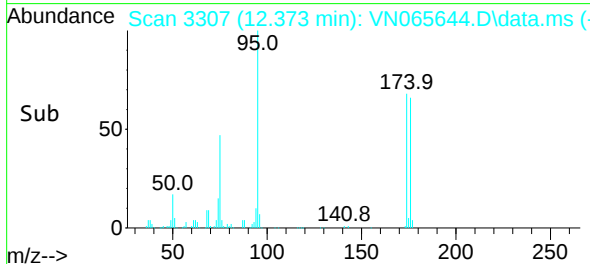
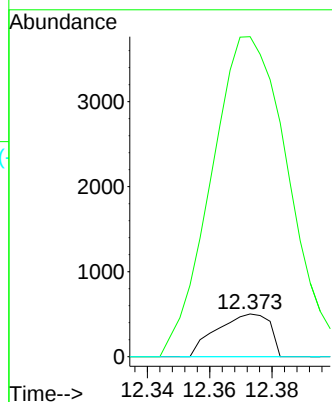
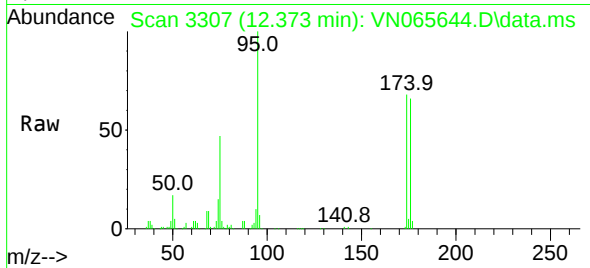




#71
Bromoform
Concen: 0.40 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.277 min
Lab File: VN065644.D
Acq: 28 Jan 2021 12:51

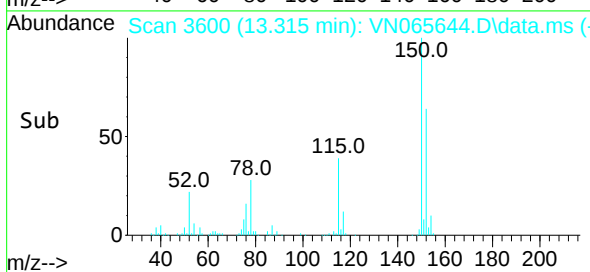
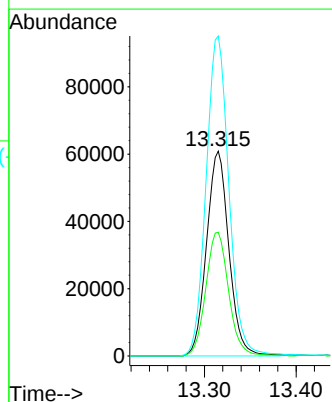
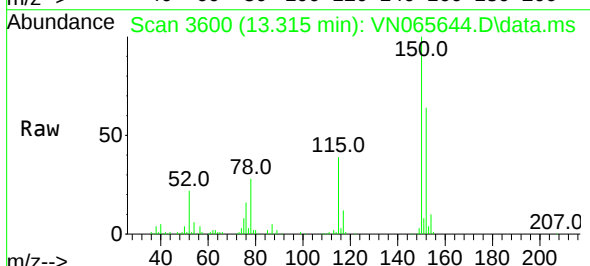
Instrument :
MSVOA_N
ClientSampleId :
WP-325

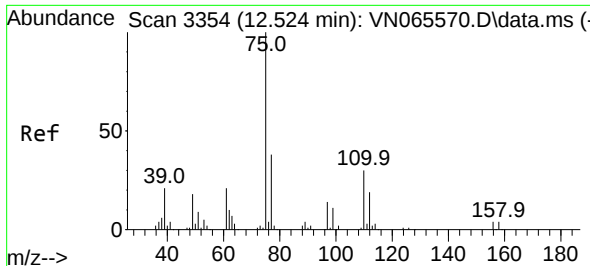
Tgt Ion:173 Resp: 596
Ion Ratio Lower Upper
173 100
175 911.2 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN065644.D
Acq: 28 Jan 2021 12:51

Tgt Ion:152 Resp: 103253
Ion Ratio Lower Upper
152 100
115 61.7 28.5 85.6
150 159.7 0.0 347.6

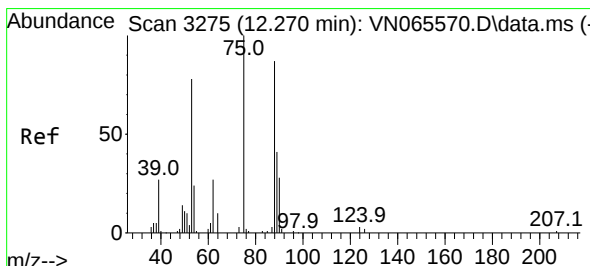
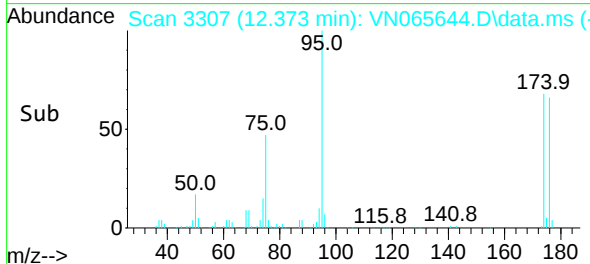
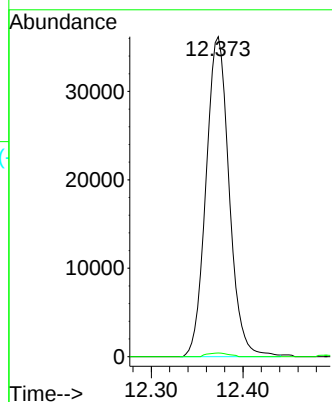
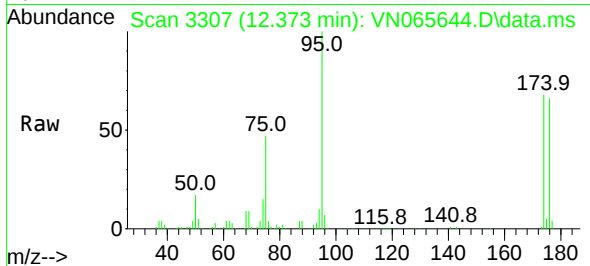




#76
1,2,3-Trichloropropane
Concen: 23.53 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065644.D
Acq: 28 Jan 2021 12:51

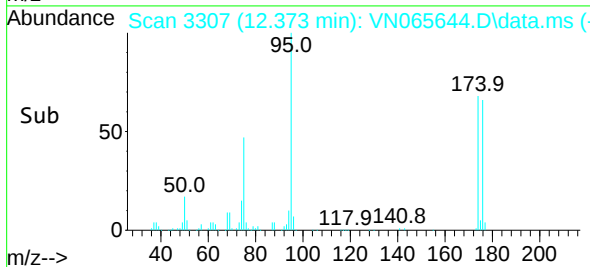
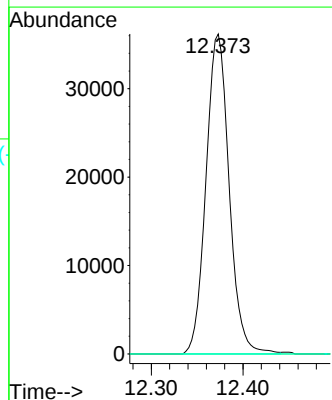
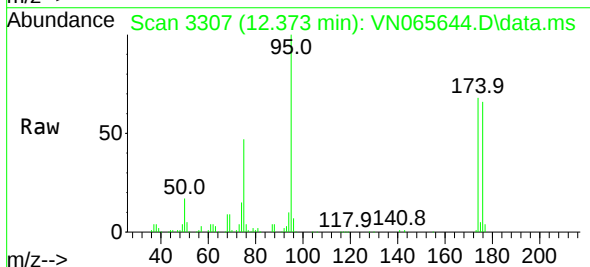
Instrument :
MSVOA_N
ClientSampled :
WP-325

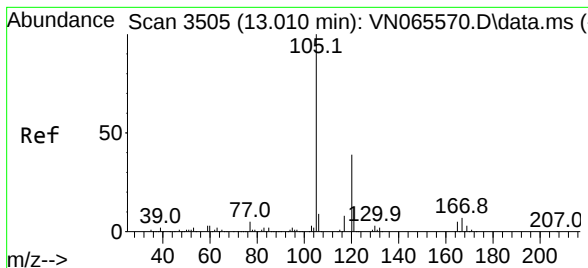
Tgt Ion: 75 Resp: 63534
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.27 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065644.D
Acq: 28 Jan 2021 12:51

Tgt Ion: 75 Resp: 63534
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

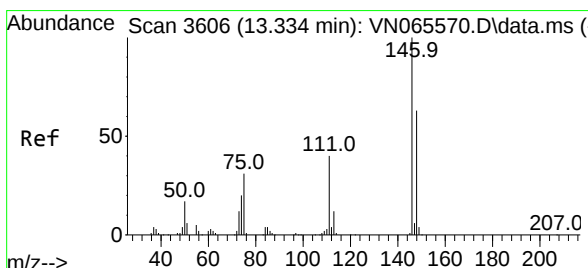
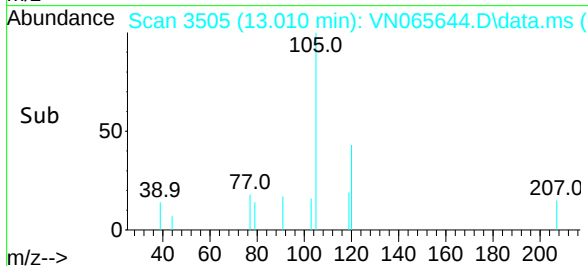
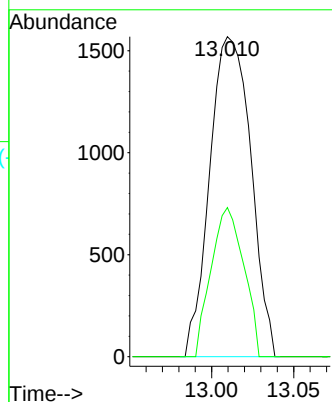
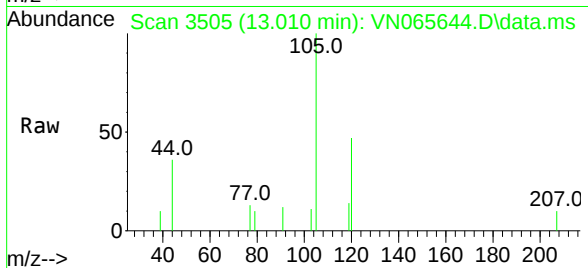




#84
1,2,4-Trimethylbenzene
Concen: 0.36 ug/l
RT: 13.010 min Scan# 3505
Delta R.T. -0.000 min
Lab File: VN065644.D
Acq: 28 Jan 2021 12:51

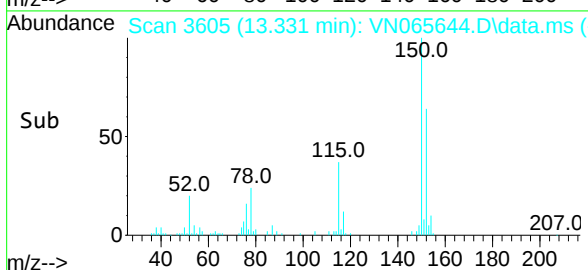
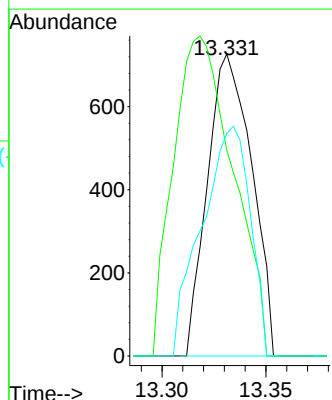
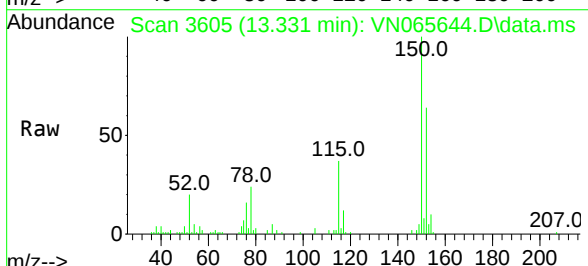
Instrument :
MSVOA_N
ClientSampleId :
WP-325

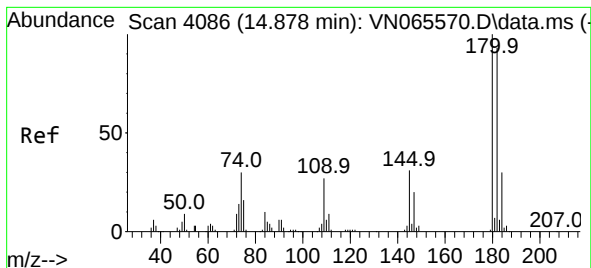
Tgt Ion:105 Resp: 2737
Ion Ratio Lower Upper
105 100
120 36.9 22.4 67.0



#88
1,4-Dichlorobenzene
Concen: 0.30 ug/l
RT: 13.331 min Scan# 3605
Delta R.T. -0.003 min
Lab File: VN065644.D
Acq: 28 Jan 2021 12:51

Tgt Ion:146 Resp: 1075
Ion Ratio Lower Upper
146 100
111 143.1 19.0 57.0#
148 83.3 31.8 95.3





#93

1,2,4-Trichlorobenzene

Concen: 3.61 ug/l

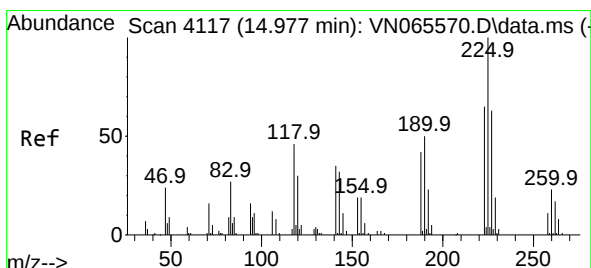
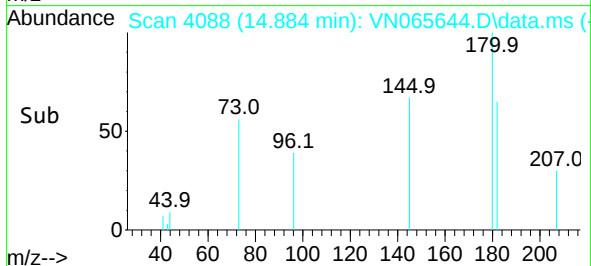
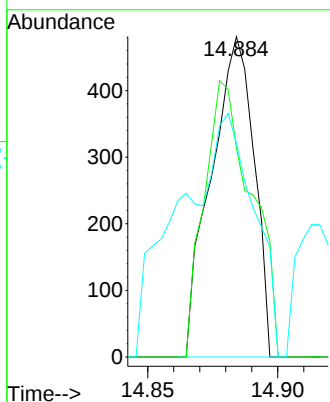
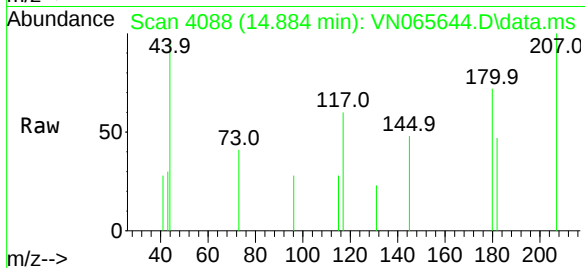
RT: 14.884 min Scan# 4088

Delta R.T. 0.006 min

Lab File: VN065644.D

Acq: 28 Jan 2021 12:51

Tgt Ion:180	Resp:	550
Ion Ratio	Lower	Upper
180	100	
182	95.6	47.3 142.0
145	75.5	15.6 46.8#



#94

Hexachlorobutadiene

Concen: 0.56 ug/l

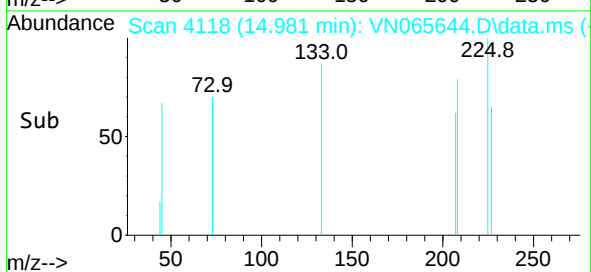
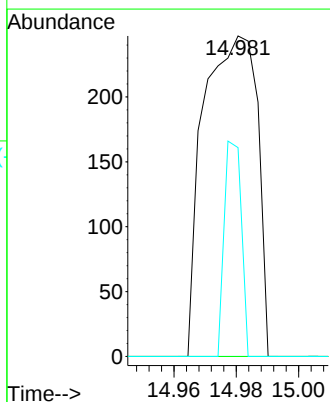
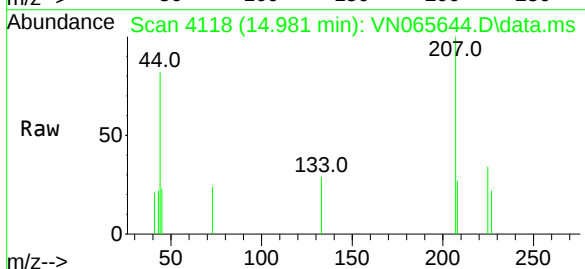
RT: 14.981 min Scan# 4118

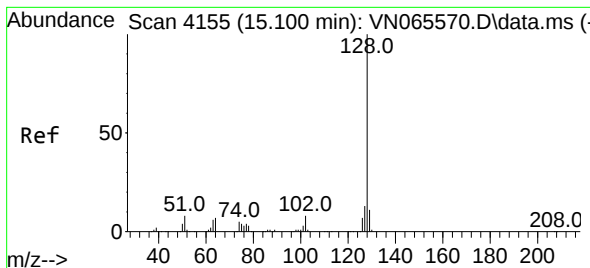
Delta R.T. 0.004 min

Lab File: VN065644.D

Acq: 28 Jan 2021 12:51

Tgt Ion:225	Resp:	295
Ion Ratio	Lower	Upper
225	100	
223	0.0	31.9 95.9#
227	21.4	31.6 95.0#

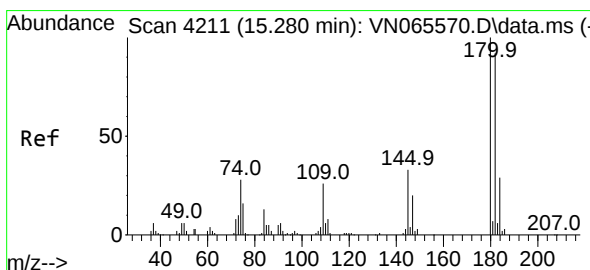
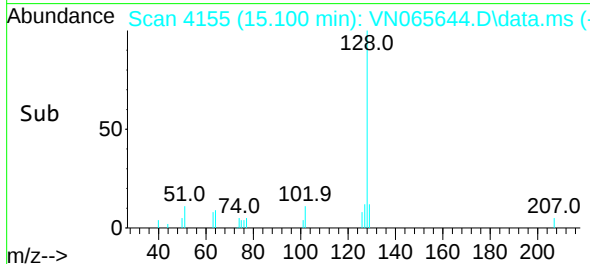
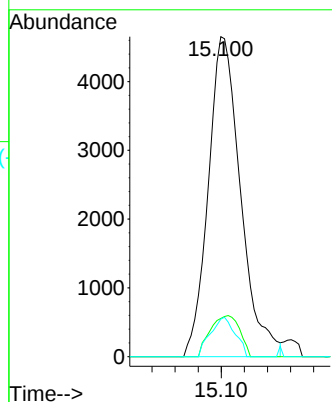
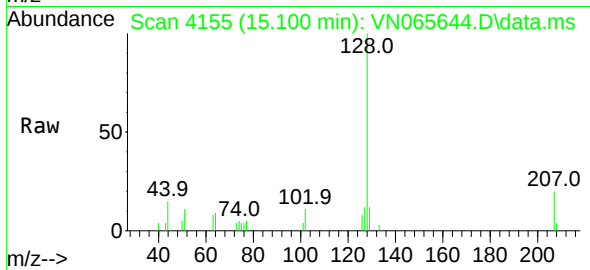




#95
Naphthalene
Concen: 4.71 ug/l
RT: 15.100 min Scan# 4155
Delta R.T. -0.000 min
Lab File: VN065644.D
Acq: 28 Jan 2021 12:51

Instrument :
MSVOA_N
ClientSampleId :
WP-325

Tgt Ion:128 Resp: 9027
Ion Ratio Lower Upper
128 100
127 11.7 10.2 15.2
129 9.4 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 3.29 ug/l
RT: 15.283 min Scan# 4212
Delta R.T. 0.003 min
Lab File: VN065644.D
Acq: 28 Jan 2021 12:51

Tgt Ion:180 Resp: 971
Ion Ratio Lower Upper
180 100
182 109.0 47.4 142.3
145 12.0 16.5 49.5#

