

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020521\
 Data File : VN065744.D
 Acq On : 5 Feb 2021 17:46
 Operator : JC/MD
 Sample : M1333-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CHRT27339-CHRT20101

Quant Time: Feb 05 22:50:33 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	197246	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	333519	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	297273	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	114029	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	117985	45.47	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	90.94%
35) Dibromofluoromethane	7.550	113	96172	48.66	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.32%
50) Toluene-d8	10.058	98	415610	53.50	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	107.00%
62) 4-Bromofluorobenzene	12.373	95	134426	48.05	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	96.10%

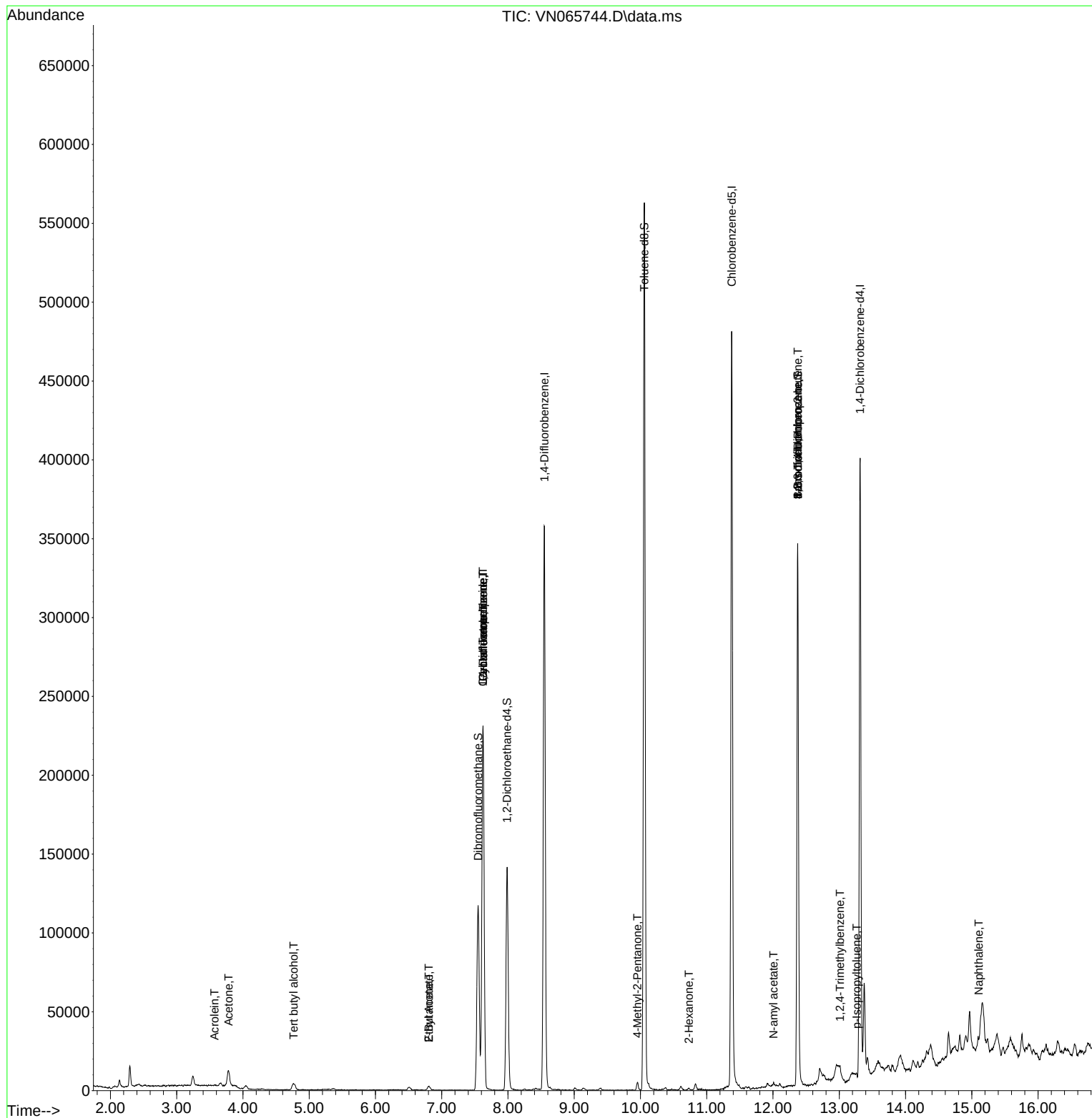
Target Compounds						Qvalue
11) Tert butyl alcohol	4.766	59	8465	17.42	ug/l #	84
13) Acrolein	3.569	56	153	18.42	ug/l #	44
16) Acetone	3.782	43	14390	14.24	ug/l	95
25) 2-Butanone	6.804	43	2140	1.35	ug/l	95
31) Cyclohexane	7.624	56	3541	0.73	ug/l #	1
36) 1,1-Dichloropropene	7.621	75	14700	4.38	ug/l #	48
37) Ethyl Acetate	6.804	43	2140	0.66	ug/l #	68
38) Carbon Tetrachloride	7.621	117	18237	6.60	ug/l #	17
51) 4-Methyl-2-Pentanone	9.952	43	3986	1.27	ug/l	87
59) 2-Hexanone	10.730	43	1266	0.58	ug/l	62
71) Bromoform	12.373	173	797	0.52	ug/l #	1
74) N-amyl acetate	12.006	43	1094	0.26	ug/l #	48
76) 1,2,3-Trichloropropane	12.373	75	61949	20.78	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	61949	53.21	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.013	105	1699	0.20	ug/l	79
86) p-Isopropyltoluene	13.264	119	1822	0.22	ug/l #	83
95) Naphthalene	15.106	128	2286	3.74	ug/l #	82

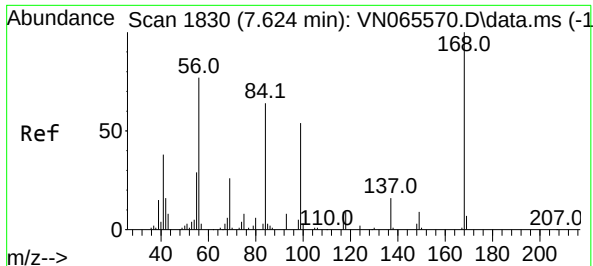
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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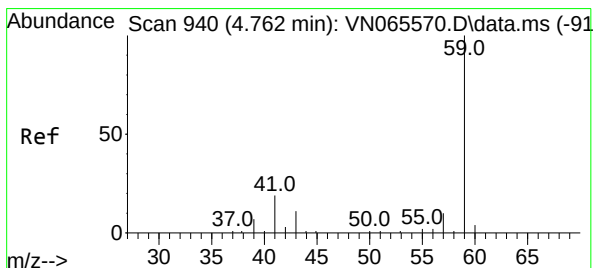
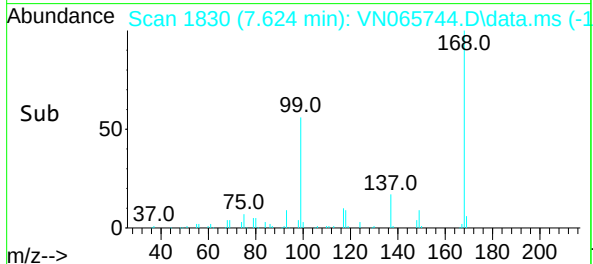
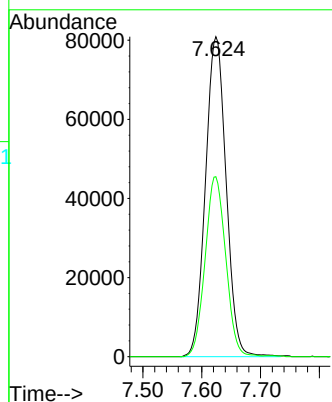
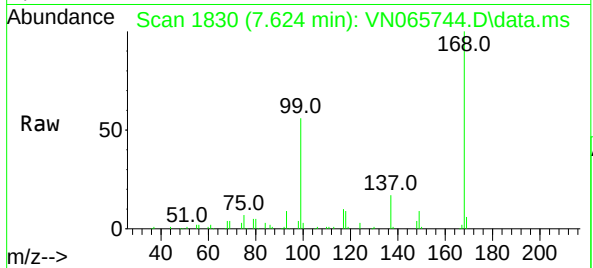




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.000 min
Lab File: VN065744.D
Acq: 5 Feb 2021 17:46

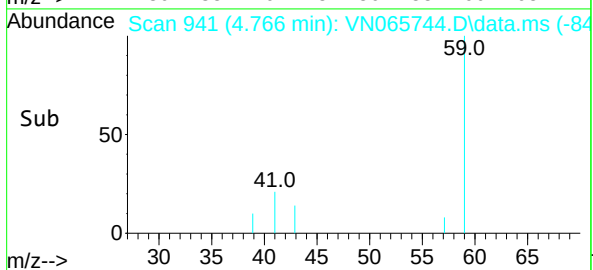
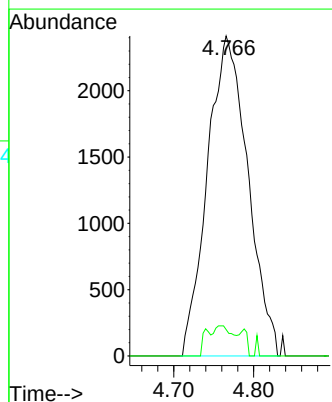
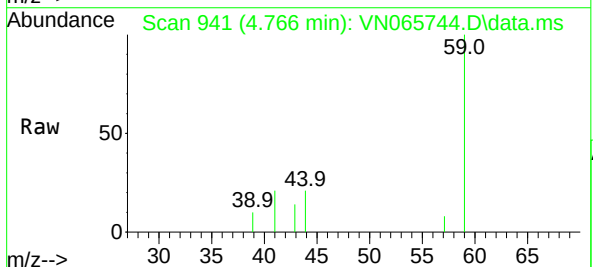
Instrument :
MSVOA_N
ClientSampleId :
CHRT27339-CHRT20101

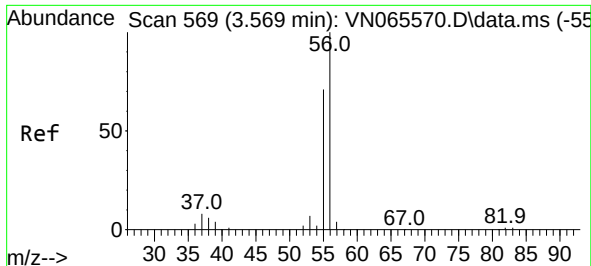
Tgt Ion:168 Resp: 197246
Ion Ratio Lower Upper
168 100
99 56.3 42.6 63.8



#11
Tert butyl alcohol
Concen: 17.42 ug/l
RT: 4.766 min Scan# 941
Delta R.T. 0.004 min
Lab File: VN065744.D
Acq: 5 Feb 2021 17:46

Tgt Ion: 59 Resp: 8465
Ion Ratio Lower Upper
59 100
57 4.0 8.0 12.0#

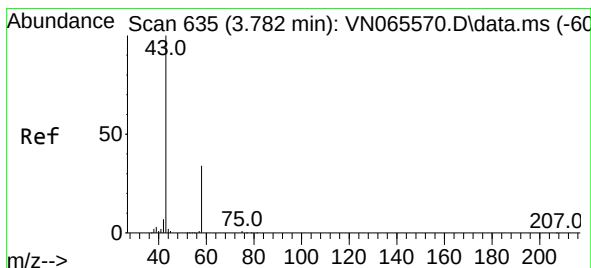
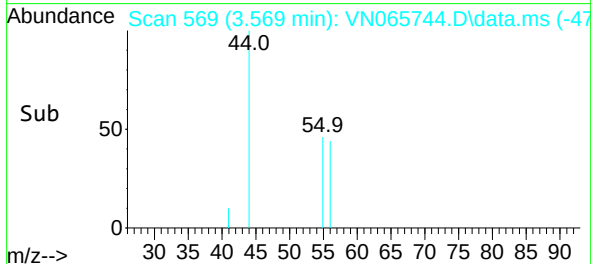
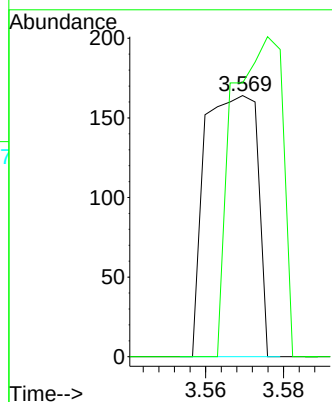
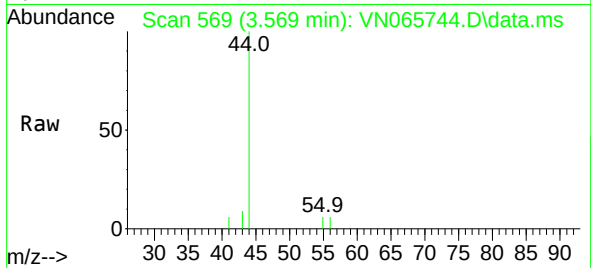




#13
Acrolein
Concen: 18.42 ug/l
RT: 3.569 min Scan# 569
Delta R.T. 0.000 min
Lab File: VN065744.D
Acq: 5 Feb 2021 17:46

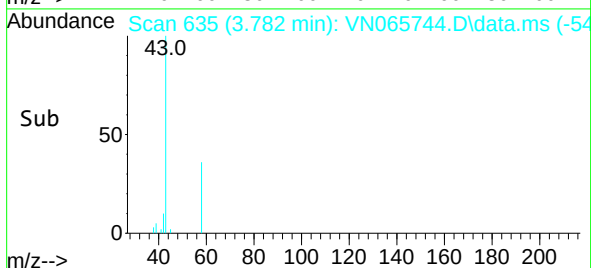
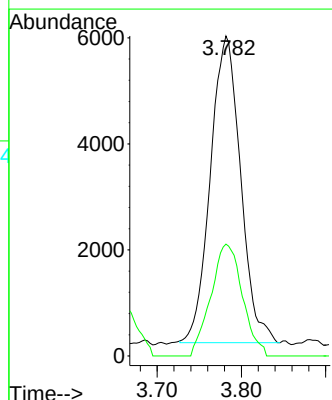
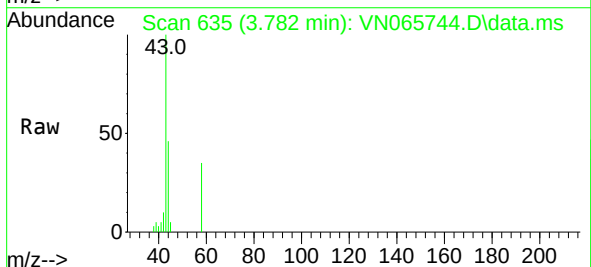
Instrument :
MSVOA_N
ClientSampleId :
CHRT27339-CHRT20101

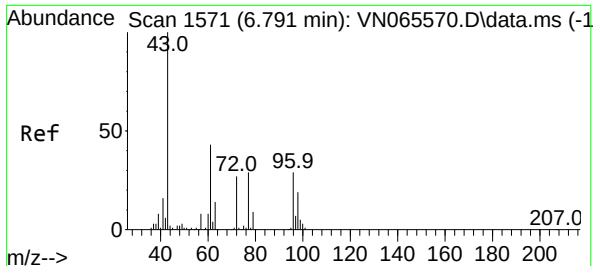
Tgt Ion: 56 Resp: 153
Ion Ratio Lower Upper
56 100
55 116.3 56.0 84.0#



#16
Acetone
Concen: 14.24 ug/l
RT: 3.782 min Scan# 635
Delta R.T. -0.000 min
Lab File: VN065744.D
Acq: 5 Feb 2021 17:46

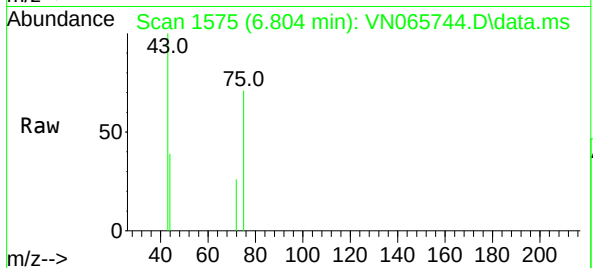
Tgt Ion: 43 Resp: 14390
Ion Ratio Lower Upper
43 100
58 36.5 27.0 40.6



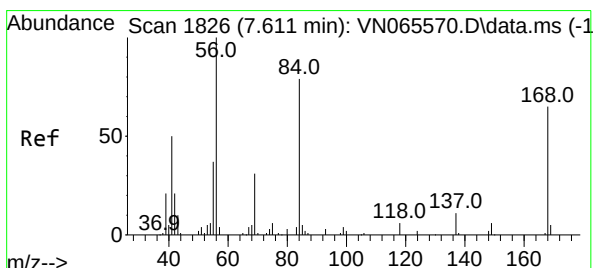
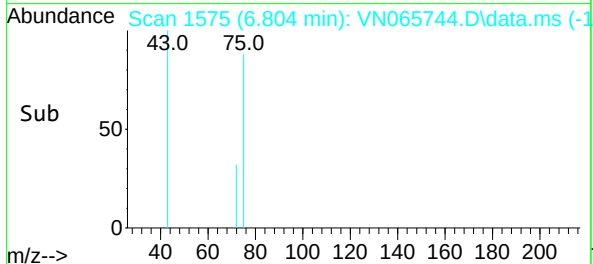
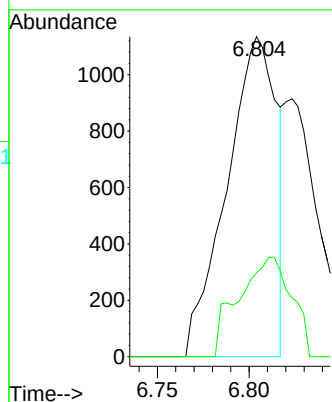


#25
2-Butanone
Concen: 1.35 ug/l
RT: 6.804 min Scan# 1575
Delta R.T. 0.013 min
Lab File: VN065744.D
Acq: 5 Feb 2021 17:46

Instrument :
MSVOA_N
ClientSampleId :
CHRT27339-CHRT20101

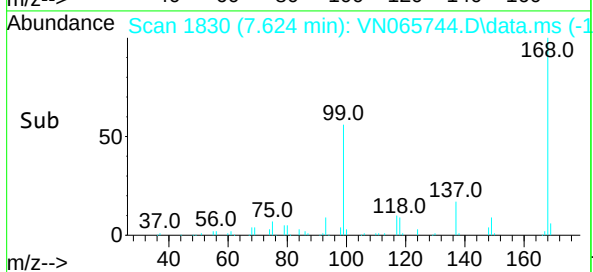
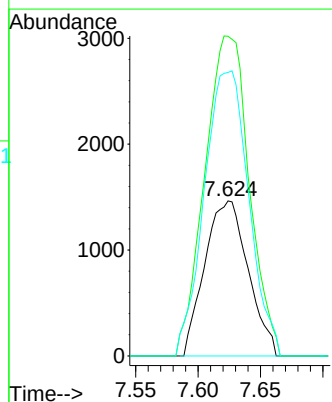
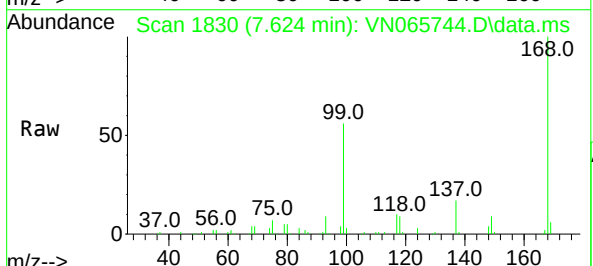


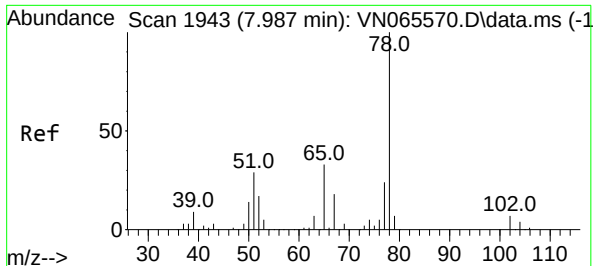
Tgt Ion: 43 Resp: 2140
Ion Ratio Lower Upper
43 100
72 26.2 23.1 34.7



#31
Cyclohexane
Concen: 0.73 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. 0.013 min
Lab File: VN065744.D
Acq: 5 Feb 2021 17:46

Tgt Ion: 56 Resp: 3541
Ion Ratio Lower Upper
56 100
69 206.2 26.6 39.8#
84 182.9 70.4 105.6#



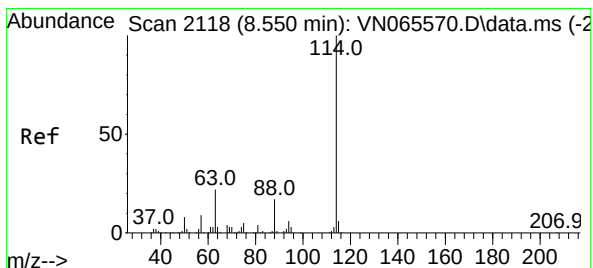
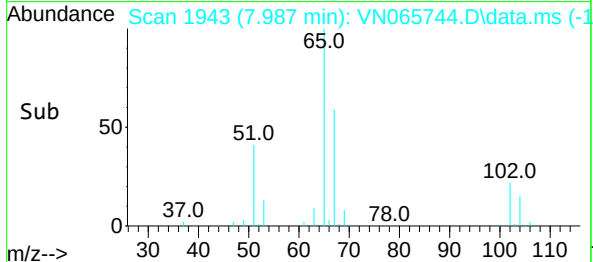
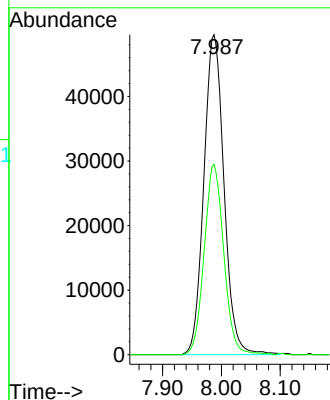
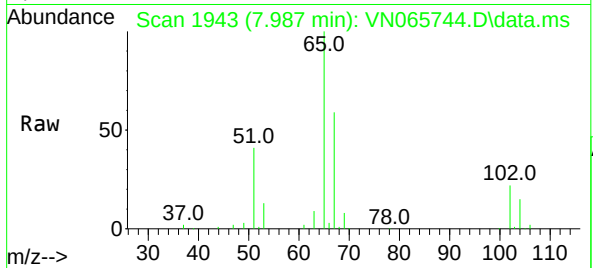


#33

1,2-Dichloroethane-d4
Concen: 45.47 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN065744.D
Acq: 5 Feb 2021 17:46

Instrument :
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CHRT27339-CHRT20101

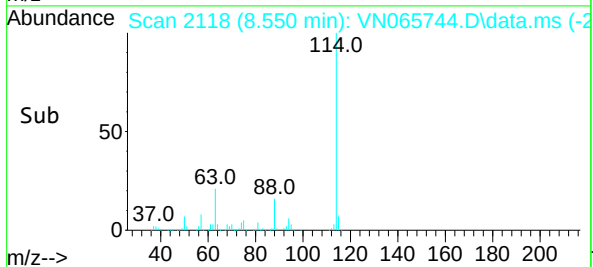
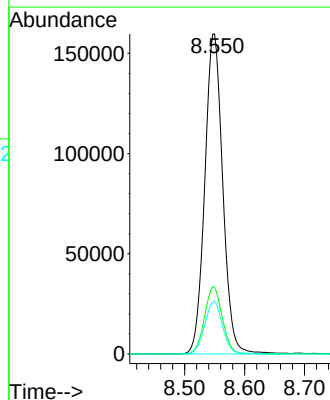
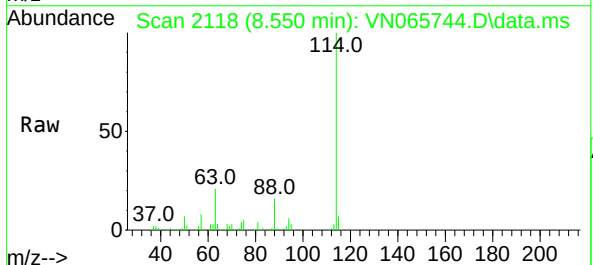
Tgt Ion: 65 Resp: 117985
Ion Ratio Lower Upper
65 100
67 57.8 0.0 107.2

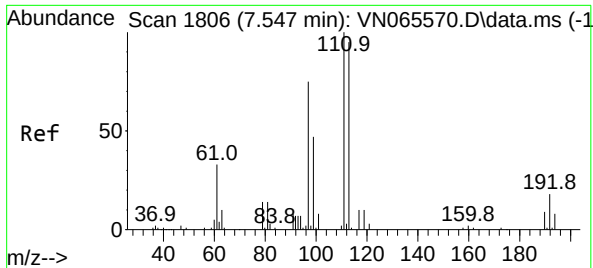


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. -0.000 min
Lab File: VN065744.D
Acq: 5 Feb 2021 17:46

Tgt Ion: 114 Resp: 333519
Ion Ratio Lower Upper
114 100
63 20.8 0.0 38.6
88 16.5 0.0 30.6

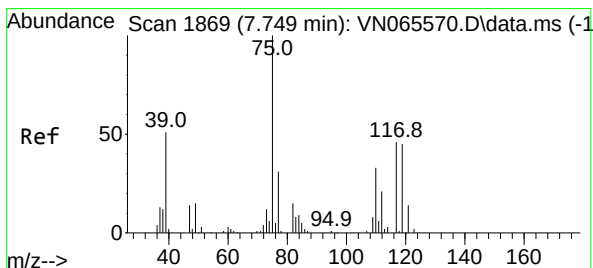
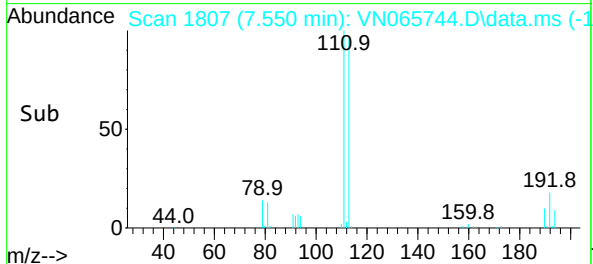
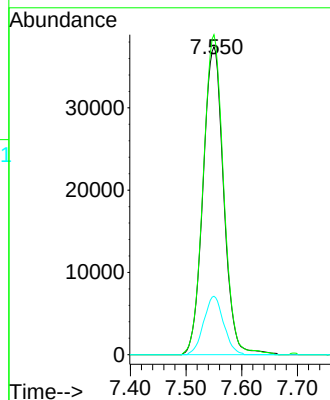
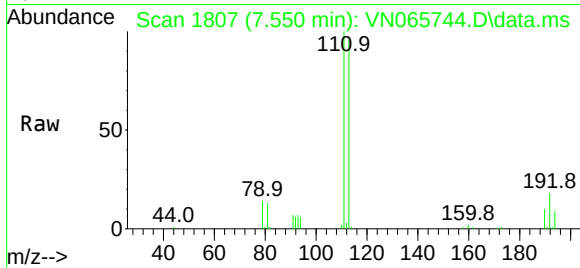




#35
Dibromofluoromethane
Concen: 48.66 ug/l
RT: 7.550 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VN065744.D
Acq: 5 Feb 2021 17:46

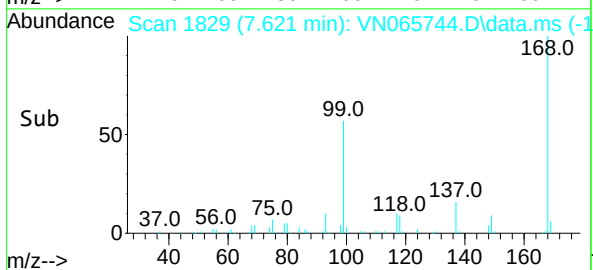
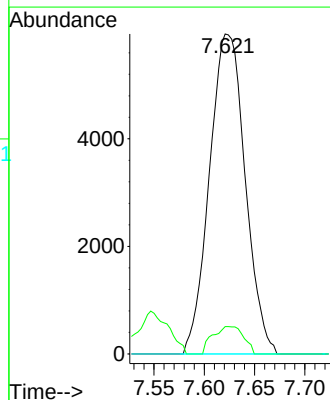
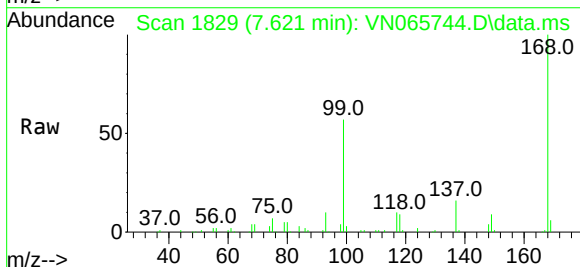
Instrument :
MSVOA_N
ClientSampleId :
CHRT27339-CHRT20101

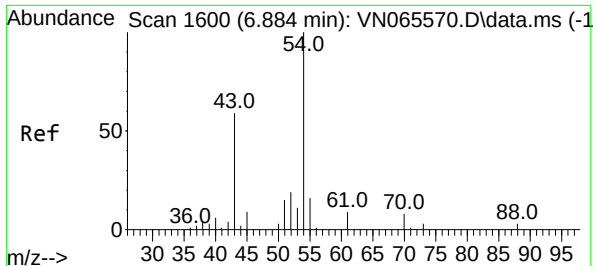
Tgt Ion:113 Resp: 96172
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 18.4 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.38 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. -0.128 min
Lab File: VN065744.D
Acq: 5 Feb 2021 17:46

Tgt Ion: 75 Resp: 14700
Ion Ratio Lower Upper
75 100
110 7.4 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 0.66 ug/l

RT: 6.804 min Scan# 1575

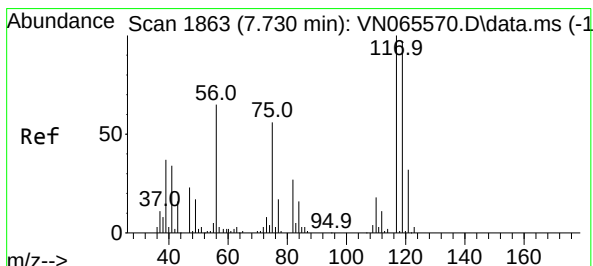
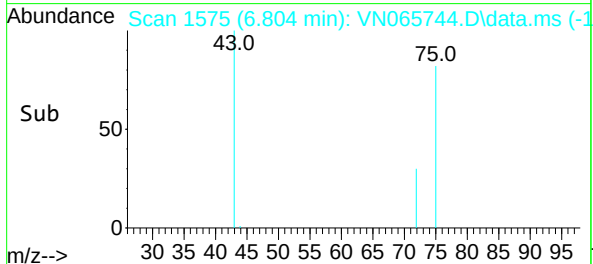
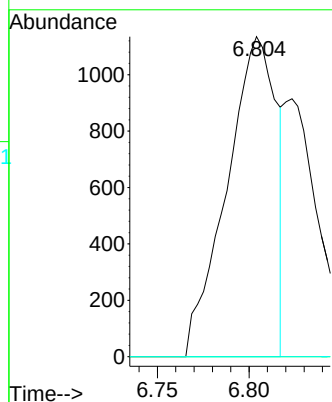
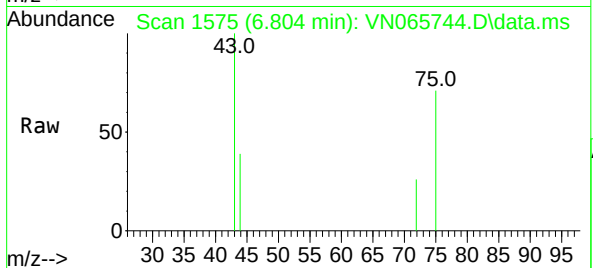
Delta R.T. -0.080 min

Lab File: VN065744.D

Acq: 5 Feb 2021 17:46

Instrument :
MSVOA_N
ClientSampleId :
CHRT27339-CHRT20101

Tgt Ion: 43	Resp: 2140
Ion Ratio	Lower Upper
43 100	
61 0.0	11.6 17.4#
70 0.0	8.6 13.0#



#38

Carbon Tetrachloride

Concen: 6.60 ug/l

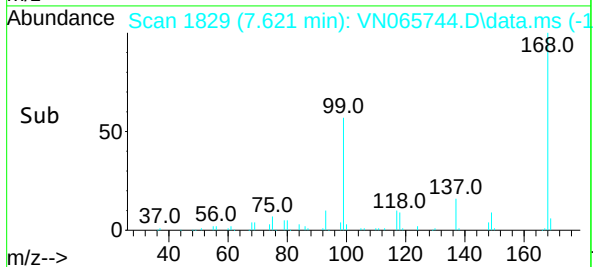
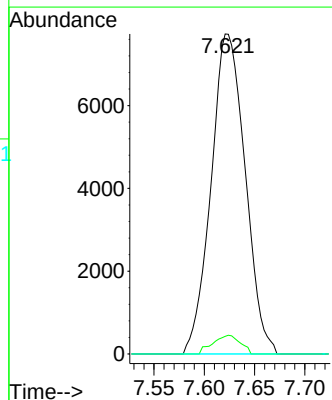
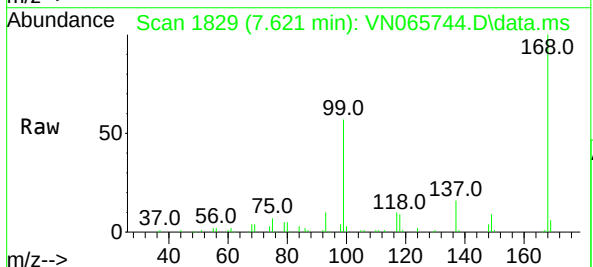
RT: 7.621 min Scan# 1829

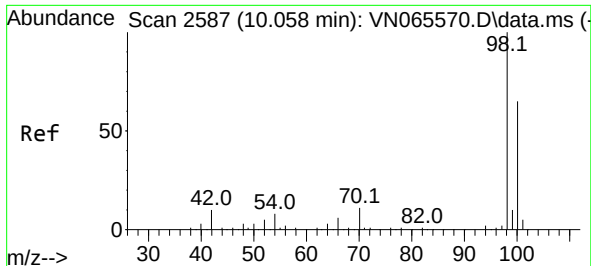
Delta R.T. -0.109 min

Lab File: VN065744.D

Acq: 5 Feb 2021 17:46

Tgt Ion:117	Resp:	18237	
Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.0	114.0#
121	0.0	24.5	36.7#

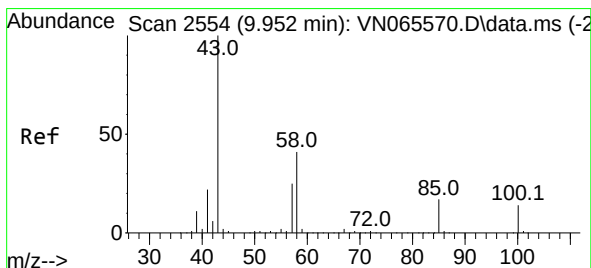
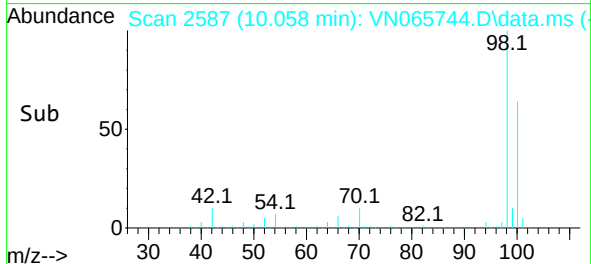
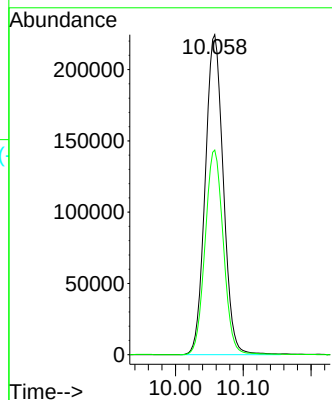
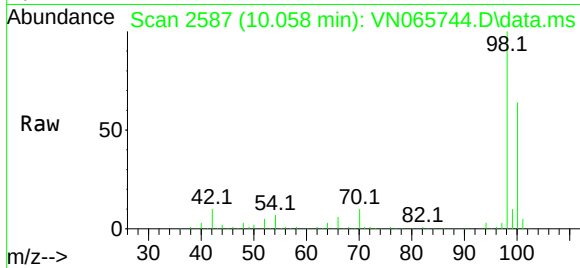




#50
Toluene-d8
Concen: 53.50 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. -0.000 min
Lab File: VN065744.D
Acq: 5 Feb 2021 17:46

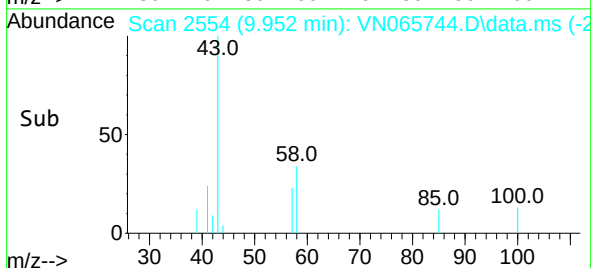
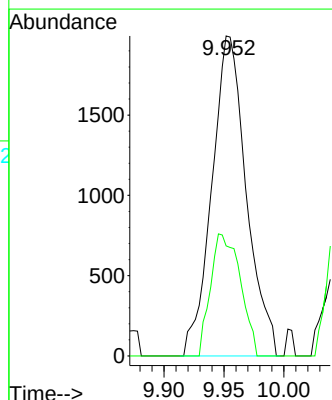
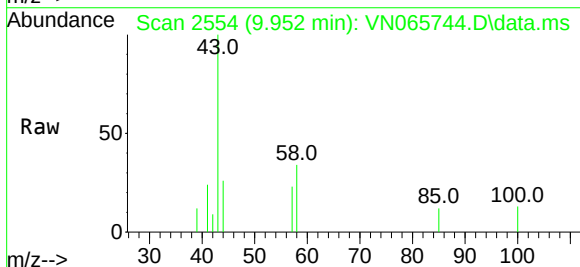
Instrument :
MSVOA_N
ClientSampleId :
CHRT27339-CHRT20101

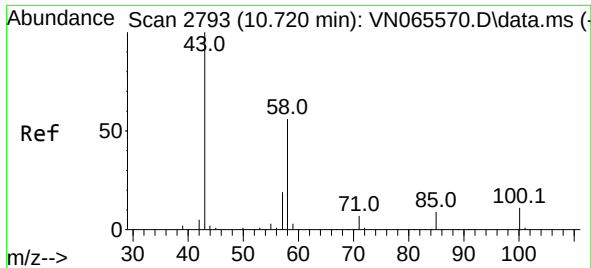
Tgt Ion: 98 Resp: 415610
Ion Ratio Lower Upper
98 100
100 64.6 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.27 ug/l
RT: 9.952 min Scan# 2554
Delta R.T. -0.000 min
Lab File: VN065744.D
Acq: 5 Feb 2021 17:46

Tgt Ion: 43 Resp: 3986
Ion Ratio Lower Upper
43 100
58 32.8 32.5 48.7

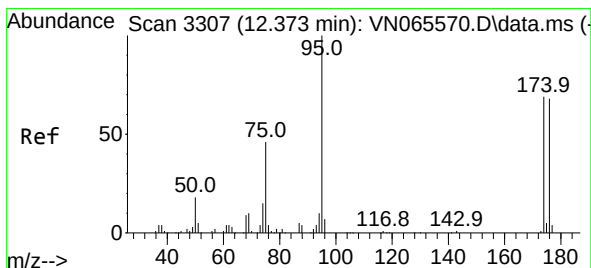
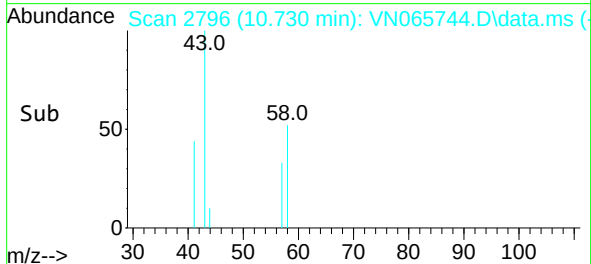
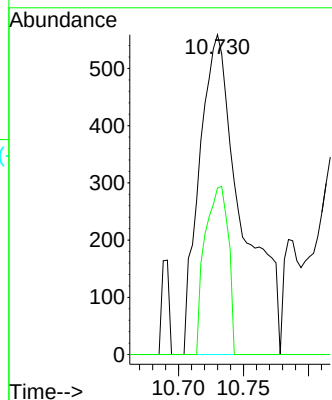
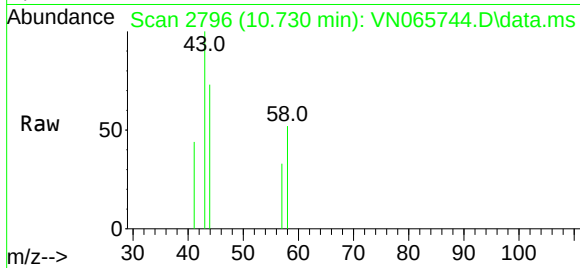




#59
2-Hexanone
Concen: 0.58 ug/l
RT: 10.730 min Scan# 2796
Delta R.T. 0.010 min
Lab File: VN065744.D
Acq: 5 Feb 2021 17:46

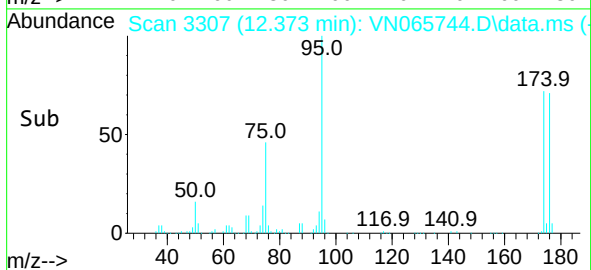
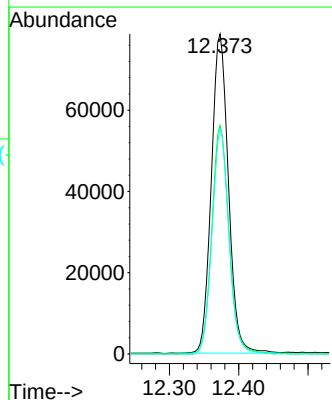
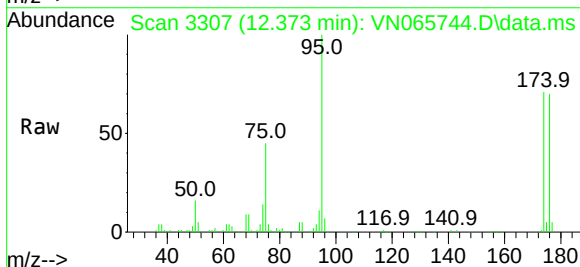
Instrument :
MSVOA_N
ClientSampleId :
CHRT27339-CHRT20101

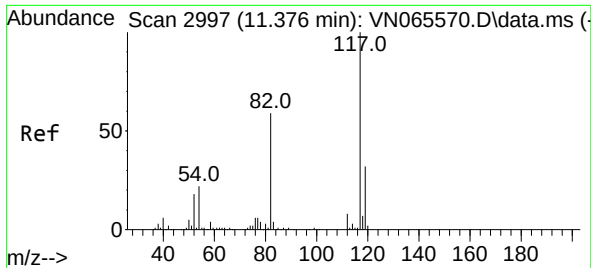
Tgt Ion: 43 Resp: 1266
Ion Ratio Lower Upper
43 100
58 28.8 28.1 84.3



#62
4-Bromofluorobenzene
Concen: 48.05 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.000 min
Lab File: VN065744.D
Acq: 5 Feb 2021 17:46

Tgt Ion: 95 Resp: 134426
Ion Ratio Lower Upper
95 100
174 71.8 0.0 169.0
176 69.4 0.0 162.4

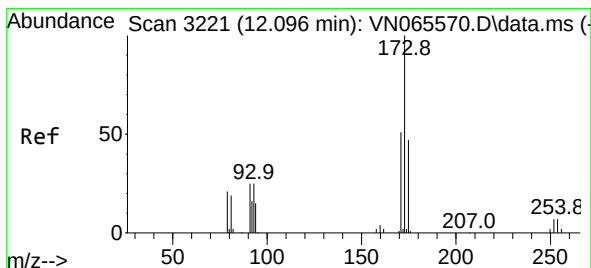
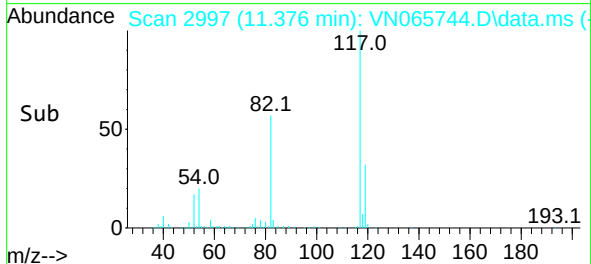
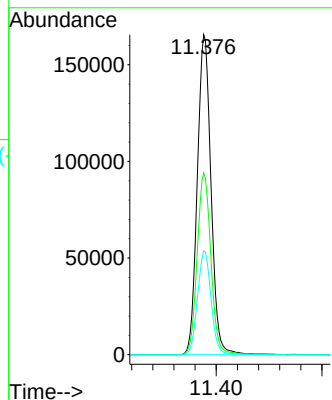
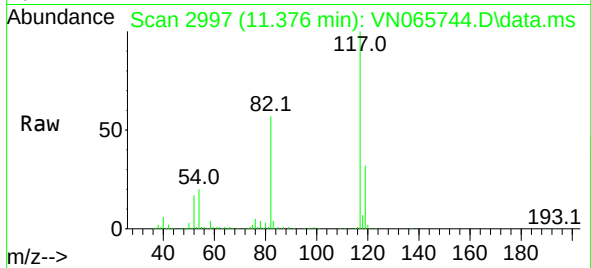




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065744.D
Acq: 5 Feb 2021 17:46

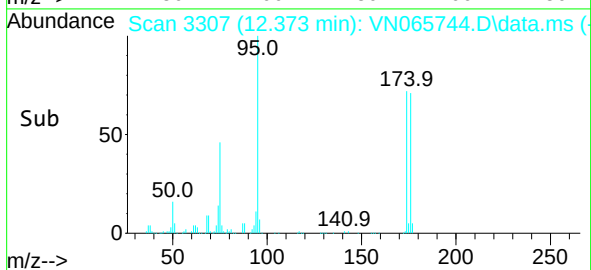
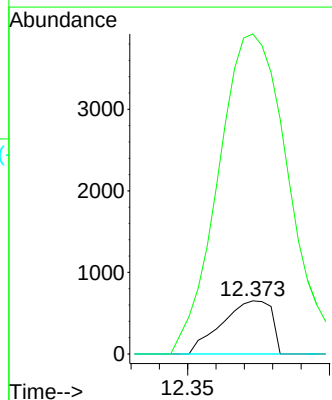
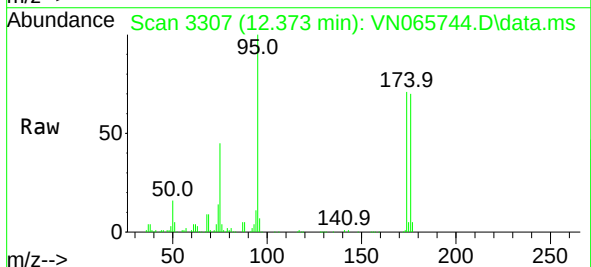
Instrument :
MSVOA_N
ClientSampleId :
CHRT27339-CHRT20101

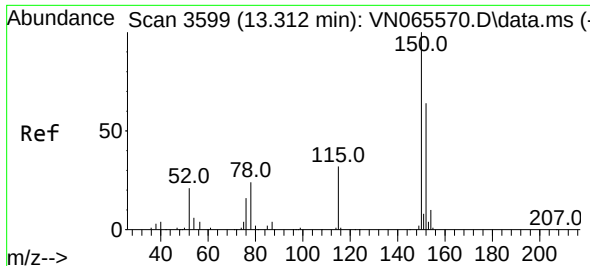
Tgt Ion:117 Resp: 297273
Ion Ratio Lower Upper
117 100
82 56.8 43.7 65.5
119 32.4 26.1 39.1



#71
Bromoform
Concen: 0.52 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.277 min
Lab File: VN065744.D
Acq: 5 Feb 2021 17:46

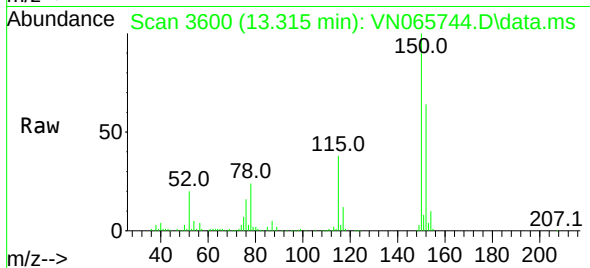
Tgt Ion:173 Resp: 797
Ion Ratio Lower Upper
173 100
175 704.4 23.8 71.2#
254 0.0 0.0 0.0



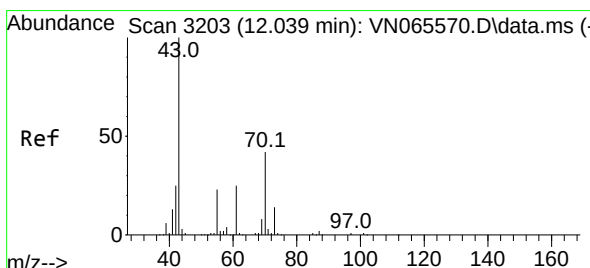
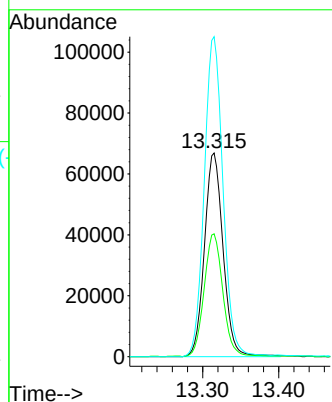
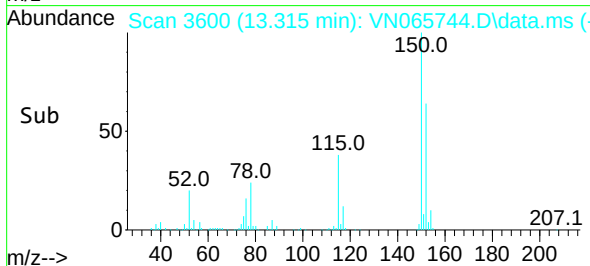


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN065744.D
Acq: 5 Feb 2021 17:46

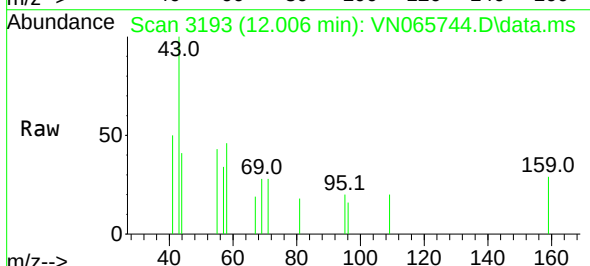
Instrument :
MSVOA_N
ClientSampleId :
CHRT27339-CHRT20101



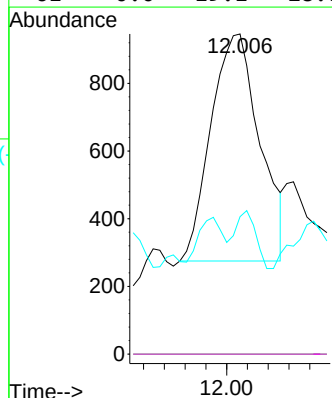
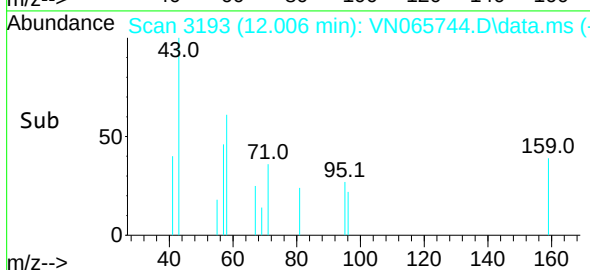
Tgt Ion:152 Resp: 114029
Ion Ratio Lower Upper
152 100
115 60.7 28.5 85.6
150 157.6 0.0 347.6

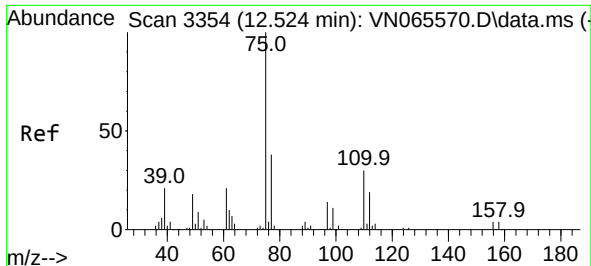


#74
N-ethyl acetate
Concen: 0.26 ug/l
RT: 12.006 min Scan# 3193
Delta R.T. -0.033 min
Lab File: VN065744.D
Acq: 5 Feb 2021 17:46



Tgt Ion: 43 Resp: 1094
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 10.7 20.7 31.1#
61 0.0 19.1 28.7#

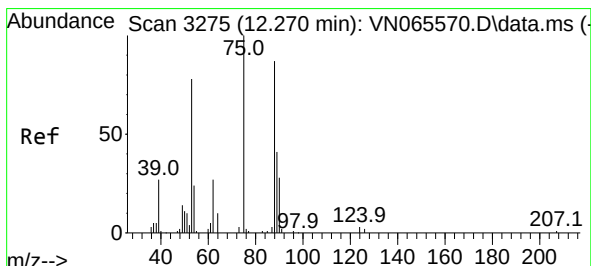
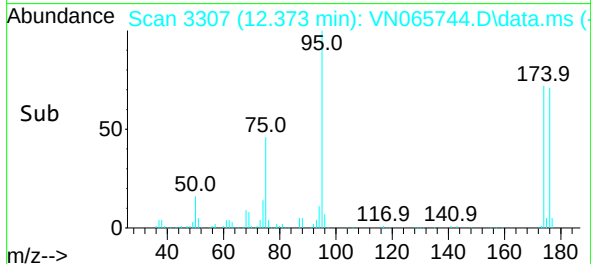
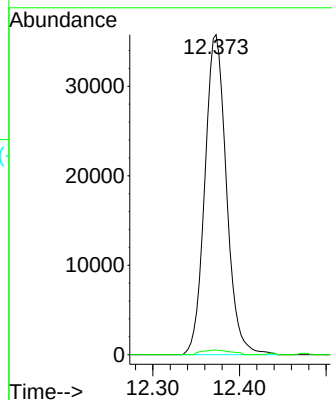
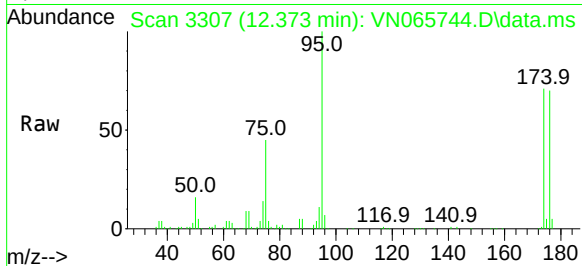




#76
1,2,3-Trichloropropane
Concen: 20.78 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065744.D
Acq: 5 Feb 2021 17:46

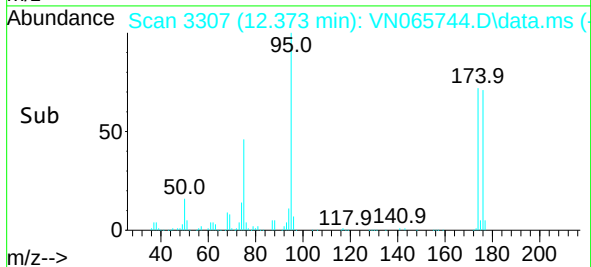
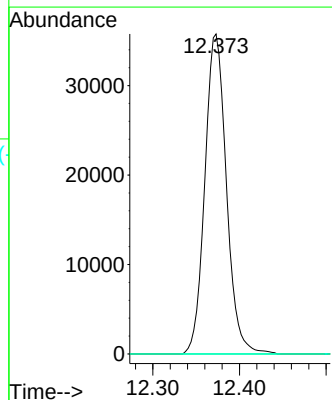
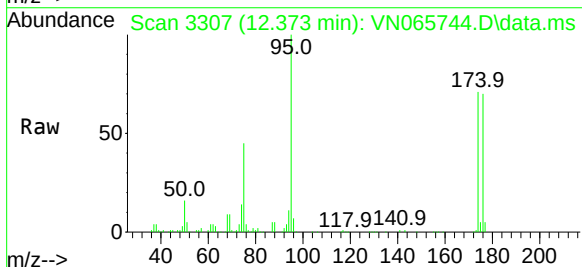
Instrument :
MSVOA_N
ClientSampleId :
CHRT27339-CHRT20101

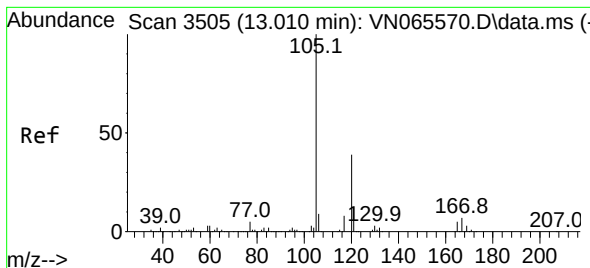
Tgt Ion: 75 Resp: 61949
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.21 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065744.D
Acq: 5 Feb 2021 17:46

Tgt Ion: 75 Resp: 61949
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: 0.20 ug/l

RT: 13.013 min Scan# 3506

Delta R.T. 0.003 min

Lab File: VN065744.D

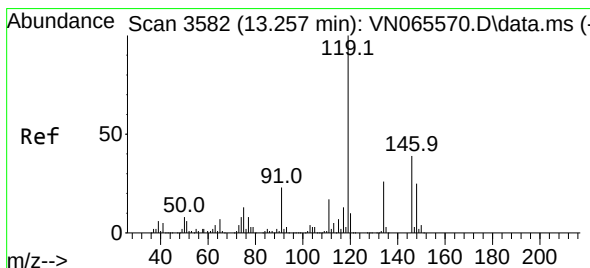
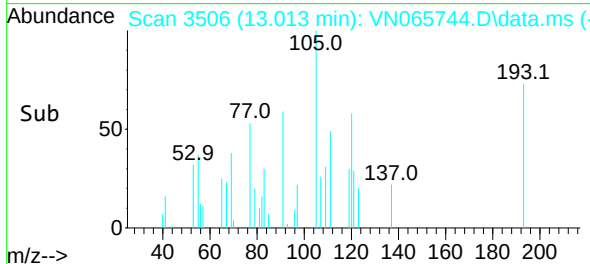
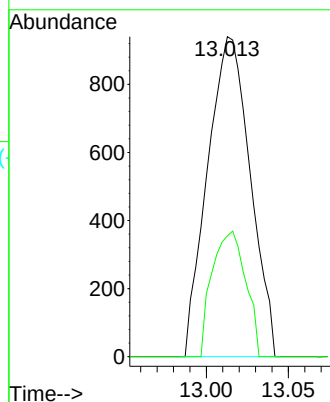
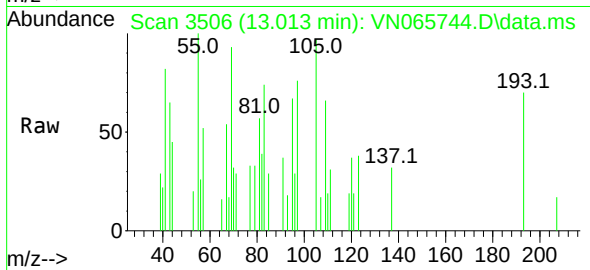
Acq: 5 Feb 2021 17:46

Tgt Ion:105 Resp: 1699

Ion Ratio Lower Upper

105 100

120 30.7 22.4 67.0



#86

p-Isopropyltoluene

Concen: 0.22 ug/l

RT: 13.264 min Scan# 3584

Delta R.T. 0.007 min

Lab File: VN065744.D

Acq: 5 Feb 2021 17:46

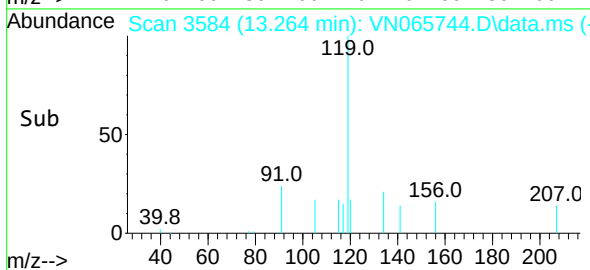
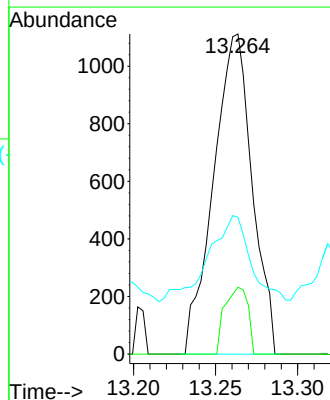
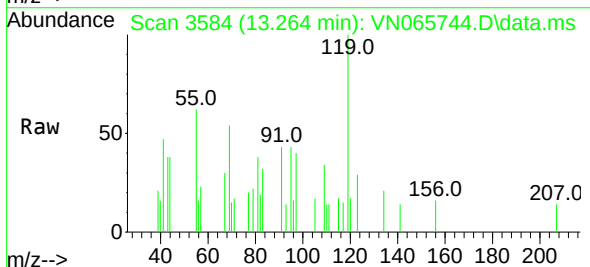
Tgt Ion:119 Resp: 1822

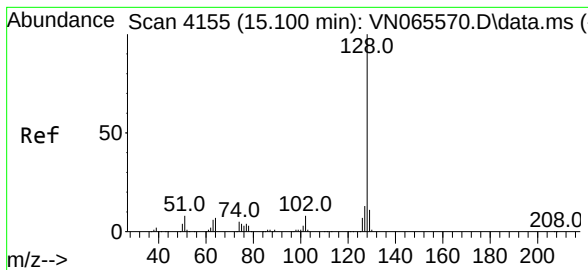
Ion Ratio Lower Upper

119 100

134 12.3 13.3 39.8#

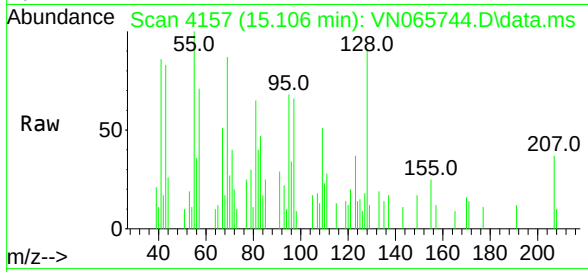
91 25.7 11.8 35.3





#95
Naphthalene
Concen: 3.74 ug/l
RT: 15.106 min Scan# 4157
Delta R.T. 0.006 min
Lab File: VN065744.D
Acq: 5 Feb 2021 17:46

Instrument :
MSVOA_N
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Tgt Ion:128 Resp: 2286
Ion Ratio Lower Upper
128 100
127 23.8 10.2 15.2#
129 8.8 8.6 13.0

