

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN060820\
 Data File : VN061710.D
 Acq On : 8 Jun 2020 20:49
 Operator : JC/MD
 Sample : L2887-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CHRT-25606

Quant Time: Jun 09 03:15:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	291980	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	513537	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	521385	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	248714	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	169867	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
35) Dibromofluoromethane	7.55	113	137896	52.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.86%	
50) Toluene-d8	10.06	98	627308	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.38	95	229169	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	

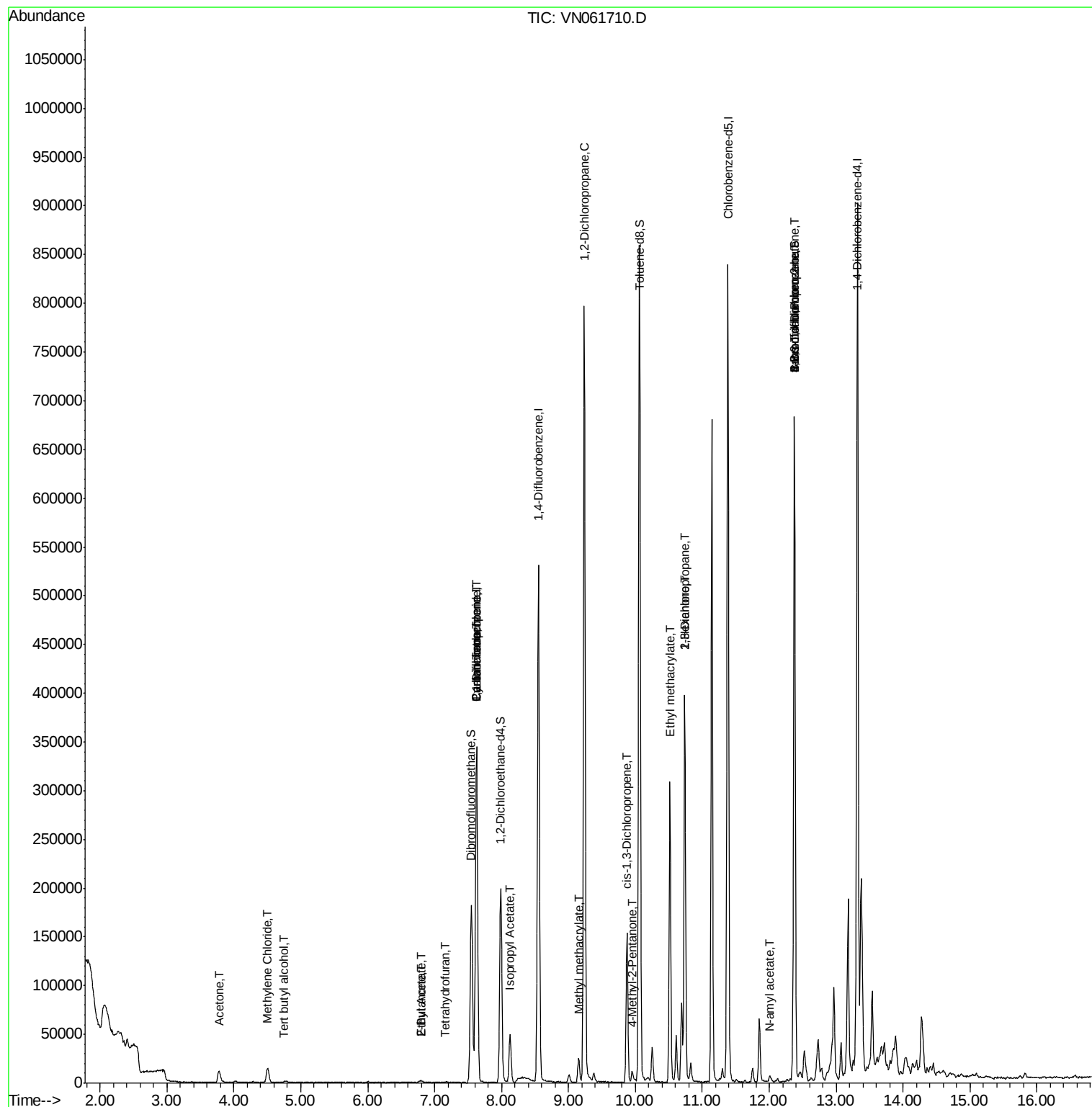
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	537	1.16	ug/l #	72
16) Acetone	3.78	43	21282	16.40	ug/l	97
20) Methylene Chloride	4.50	84	12526	2.30	ug/l	95
25) 2-Butanone	6.79	43	3550	2.15	ug/l #	88
29) Tetrahydrofuran	7.16	42	446	0.41	ug/l	90
31) Cyclohexane	7.63	56	5318	1.08	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	19973	4.39	ug/l #	48
37) Ethyl Acetate	6.79	43	3550	0.97	ug/l #	66
38) Carbon Tetrachloride	7.63	117	28429	6.48	ug/l #	16
43) Isopropyl Acetate	8.13	43	53580	8.13	ug/l #	91
45) 1,2-Dichloropropane	9.23	63	1020	0.31	ug/l #	44
48) Methyl methacrylate	9.15	41	3237	1.09	ug/l #	5
51) 4-Methyl-2-Pentanone	9.95	43	6497	1.75	ug/l	93
54) cis-1,3-Dichloropropene	9.88	75	31731	5.41	ug/l #	61
56) Ethyl methacrylate	10.52	69	1123	0.22	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	4514	0.77	ug/l #	42
59) 2-Hexanone	10.74	43	50574	18.97	ug/l #	48
71) Bromoform	12.38	173	2086	0.67	ug/l #	1
74) N-amyl acetate	12.01	43	3201	0.56	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	114159	25.24	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	114159	64.55	ug/l #	16

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061710.D

Acq: 8 Jun 2020 20:49

Instrument :

MSVOA_N

ClientSampleId :

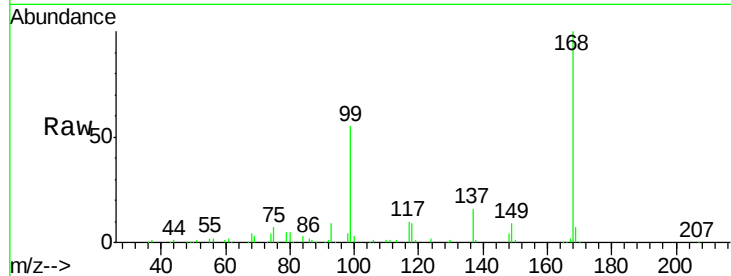
CHRT-25606

Tgt Ion: 168 Resp: 291980

Ion Ratio Lower Upper

168 100

99 55.2 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

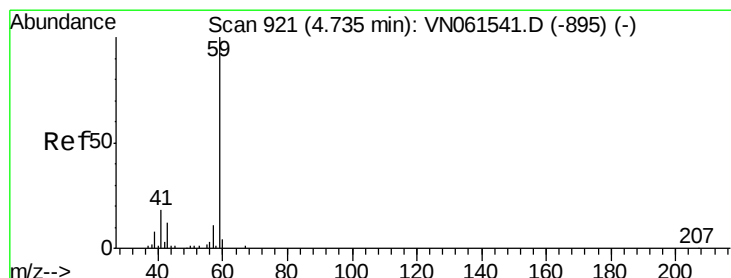
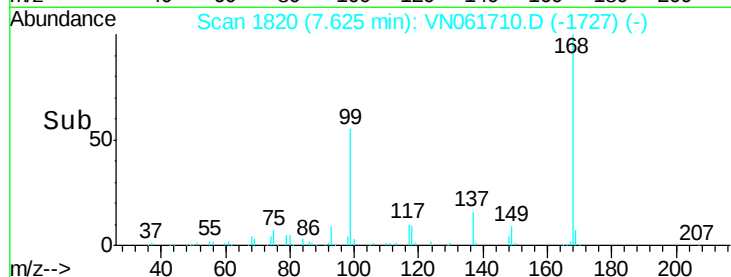
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 1.16 ug/l

RT: 4.73 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN061710.D

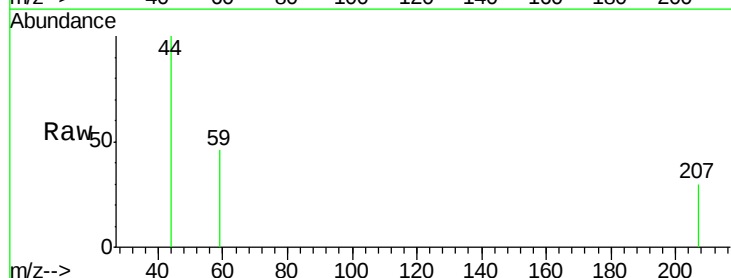
Acq: 8 Jun 2020 20:49

Tgt Ion: 59 Resp: 537

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.73

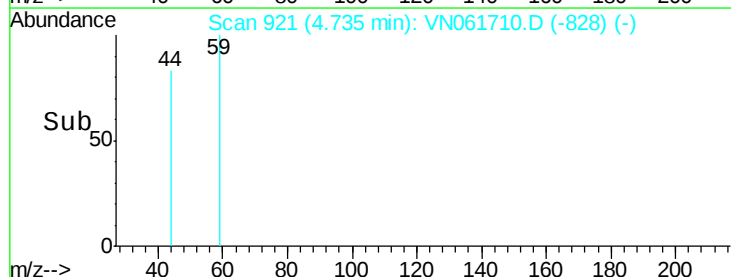
300

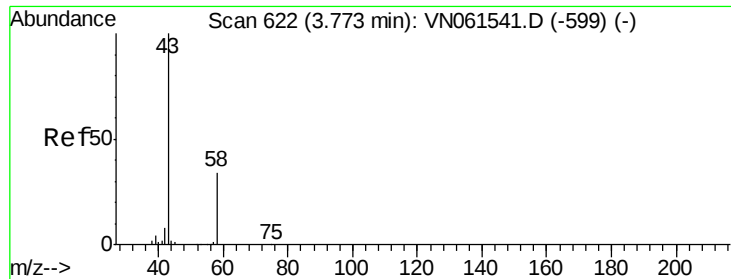
200

100

0

Time--> 4.70 4.72 4.74 4.76 4.78





#16

Acetone

Concen: 16.40 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061710.D

Acq: 8 Jun 2020 20:49

Instrument :

MSVOA_N

ClientSampleId :

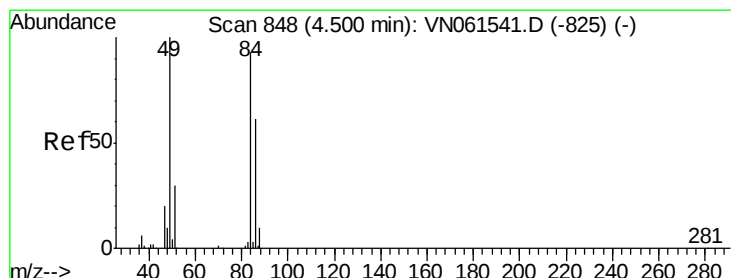
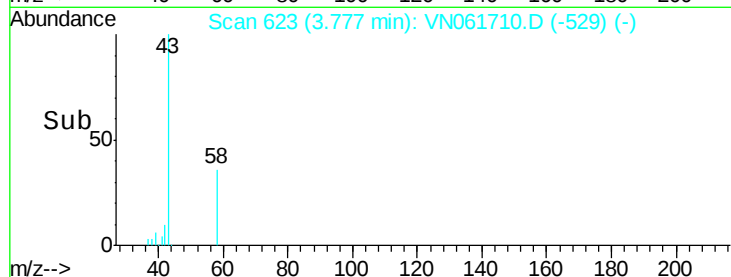
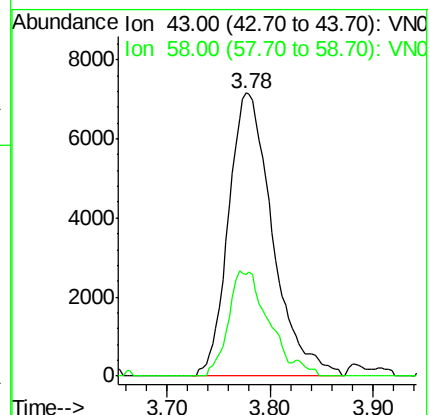
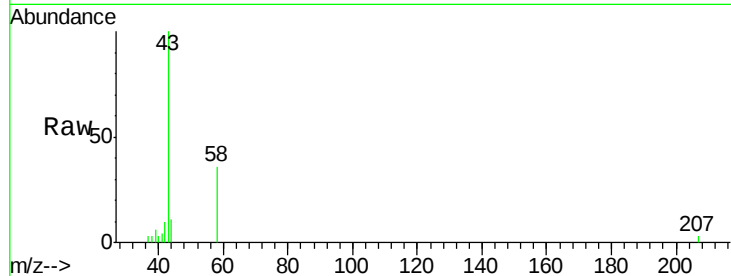
CHRT-25606

Tgt Ion: 43 Resp: 21282

Ion Ratio Lower Upper

43 100

58 35.7 27.2 40.8



#20

Methylene Chloride

Concen: 2.30 ug/l

RT: 4.50 min Scan# 849

Delta R.T. 0.00 min

Lab File: VN061710.D

Acq: 8 Jun 2020 20:49

Tgt Ion: 84 Resp: 12526

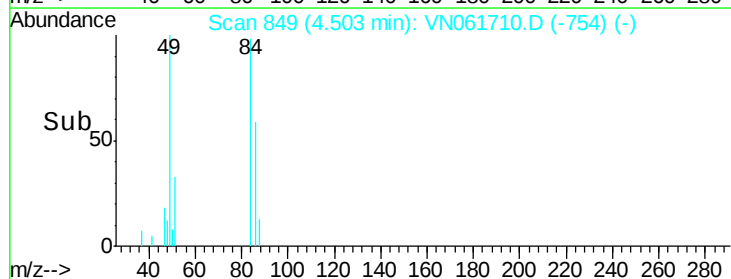
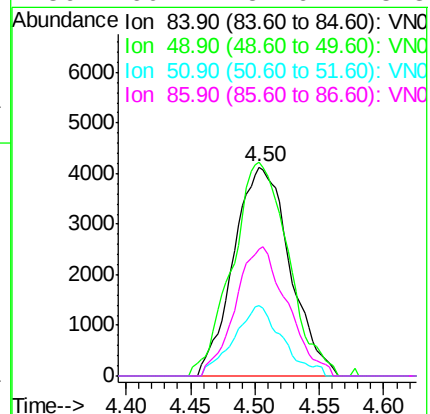
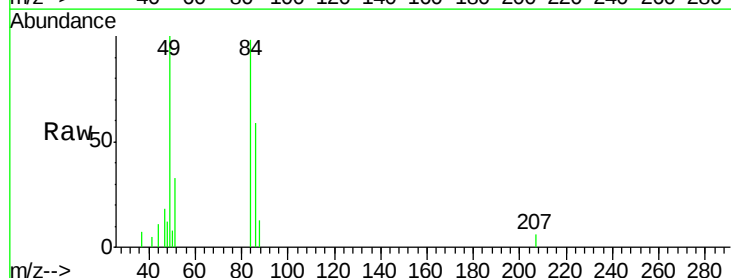
Ion Ratio Lower Upper

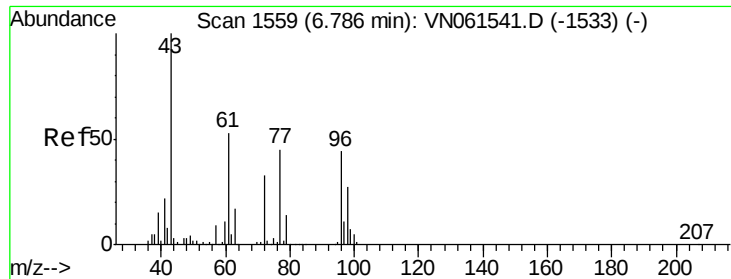
84 100

49 102.2 85.8 128.8

51 33.9 26.2 39.2

86 60.7 52.6 78.8

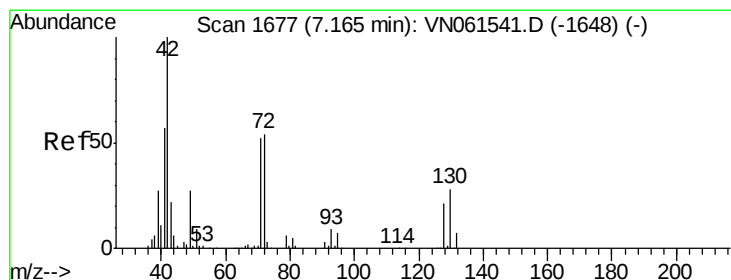
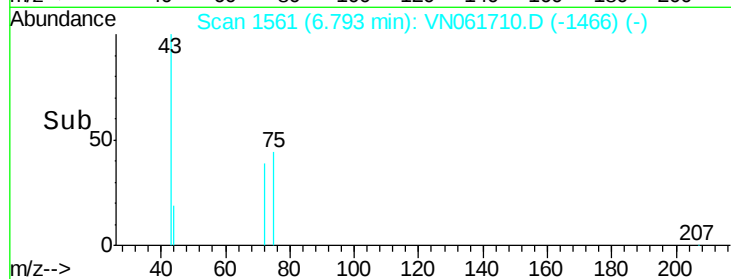
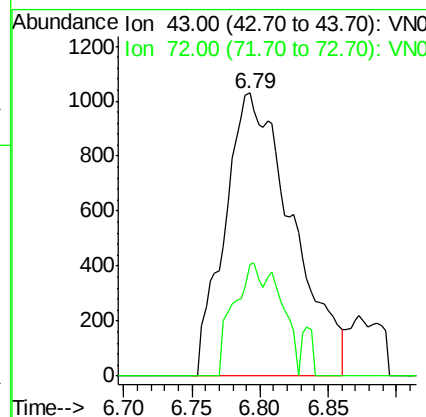
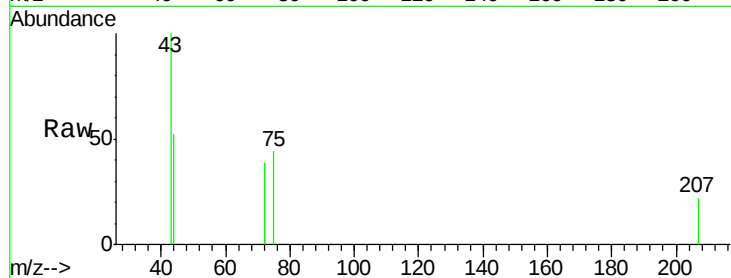




#25
2-Butanone
Concen: 2.15 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VN061710.D
Acq: 8 Jun 2020 20:49

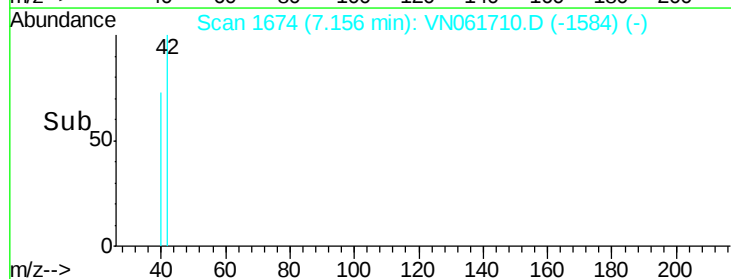
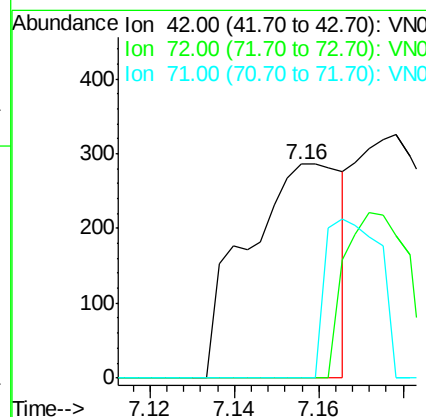
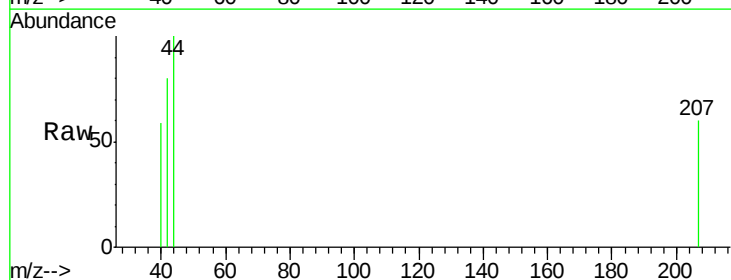
Instrument :
MSVOA_N
ClientSampled :
CHRT-25606

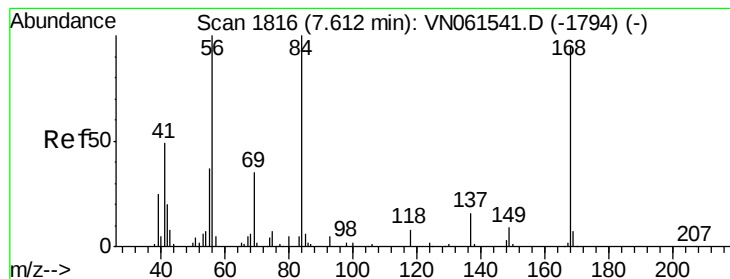
Tgt Ion: 43 Resp: 3550
Ion Ratio Lower Upper
43 100
72 39.4 26.0 39.0#



#29
Tetrahydrofuran
Concen: 0.41 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN061710.D
Acq: 8 Jun 2020 20:49

Tgt Ion: 42 Resp: 446
Ion Ratio Lower Upper
42 100
72 49.6 43.6 65.4
71 42.6 41.2 61.8





#31

Cyclohexane

Concen: 1.08 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN061710.D

Acq: 8 Jun 2020 20:49

Instrument :

MSVOA_N

ClientSampleId :

CHRT-25606

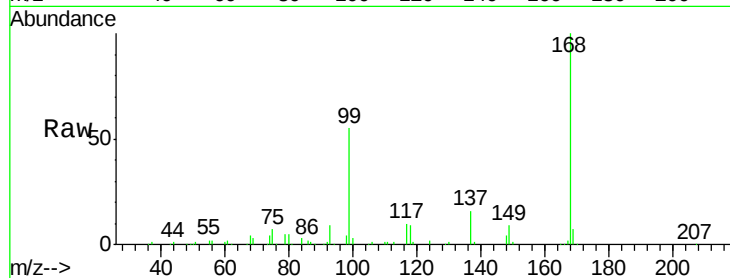
Tgt Ion: 56 Resp: 5318

Ion Ratio Lower Upper

56 100

69 160.1 27.8 41.8#

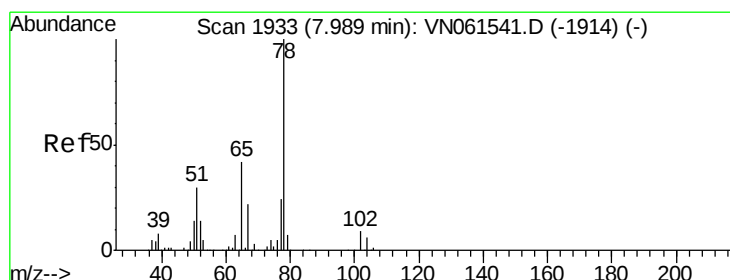
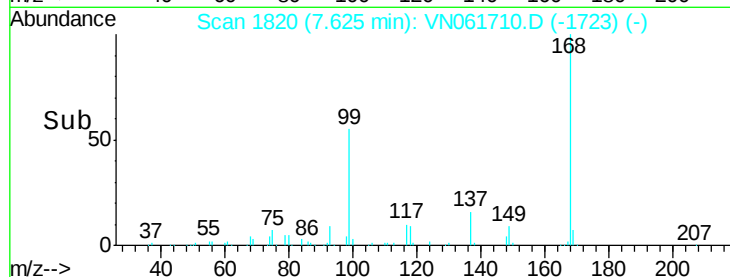
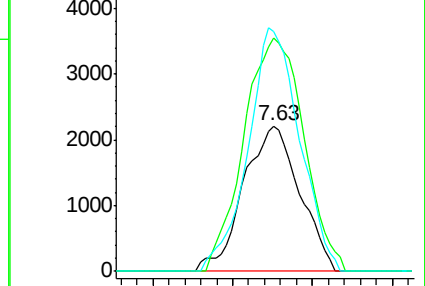
84 164.6 79.9 119.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 48.83 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061710.D

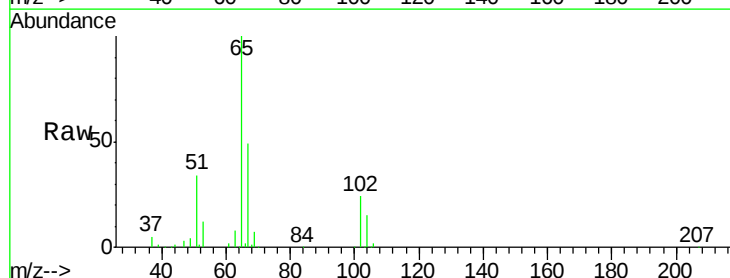
Acq: 8 Jun 2020 20:49

Tgt Ion: 65 Resp: 169867

Ion Ratio Lower Upper

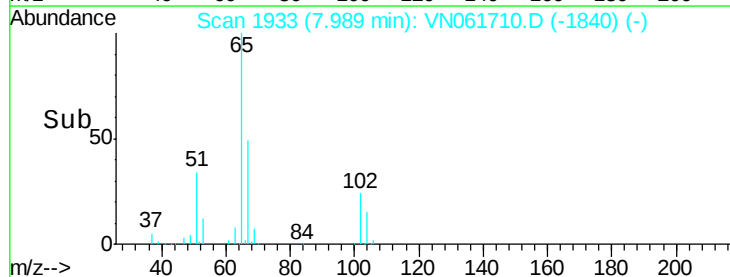
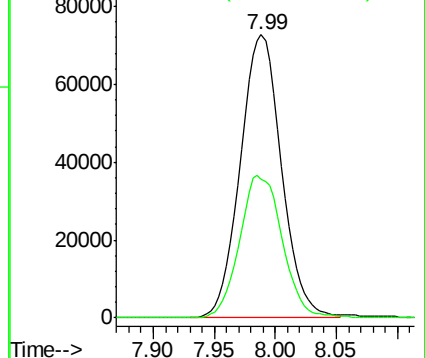
65 100

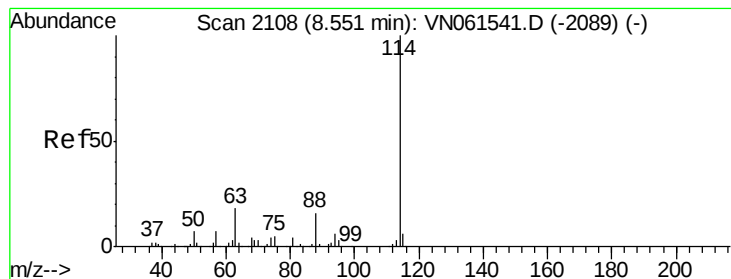
67 52.3 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN061710.D

Acq: 8 Jun 2020 20:49

Instrument :

MSVOA_N

ClientSampleId :

CHRT-25606

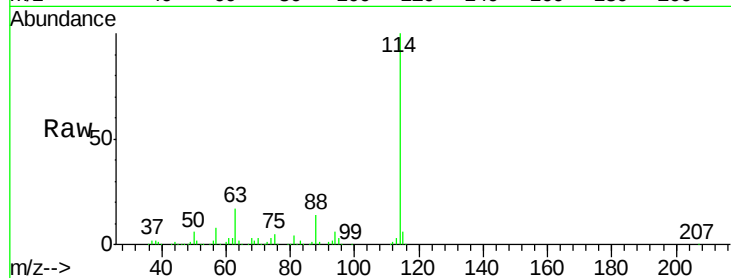
Tgt Ion:114 Resp: 513537

Ion Ratio Lower Upper

114 100

63 16.8 0.0 35.8

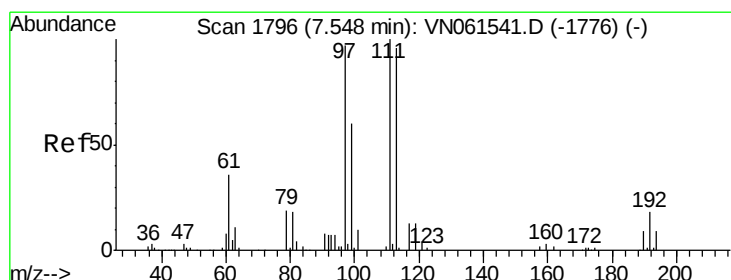
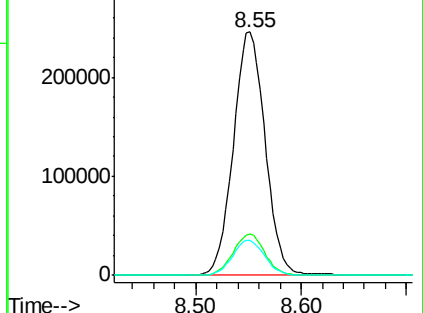
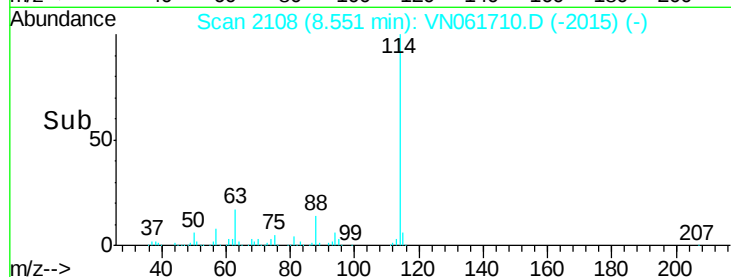
88 14.3 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 52.93 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN061710.D

Acq: 8 Jun 2020 20:49

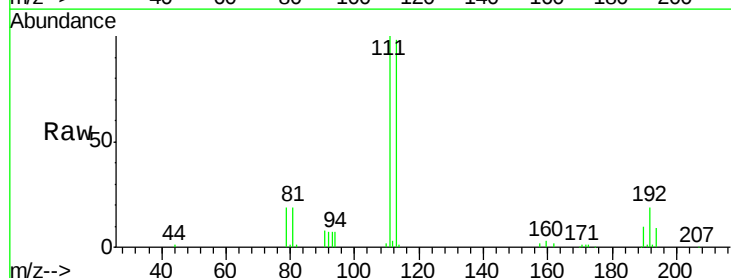
Tgt Ion:113 Resp: 137896

Ion Ratio Lower Upper

113 100

111 104.2 83.4 125.0

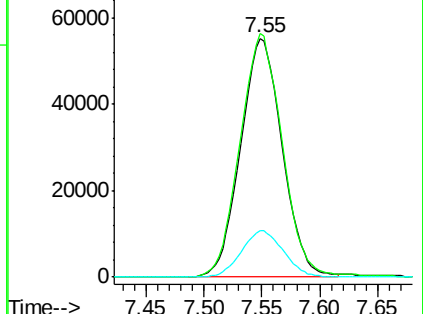
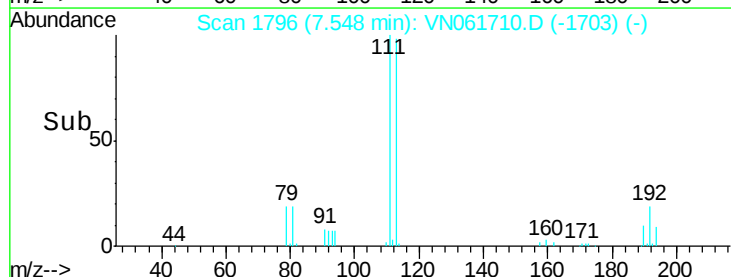
192 19.6 15.4 23.2

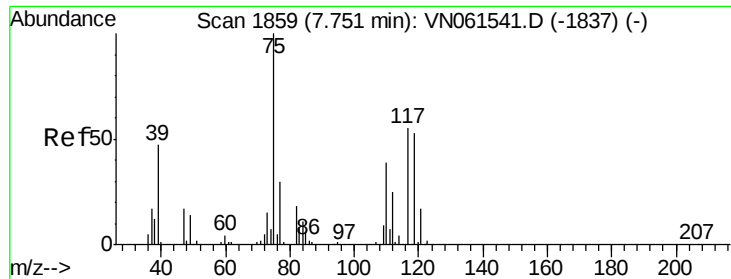


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

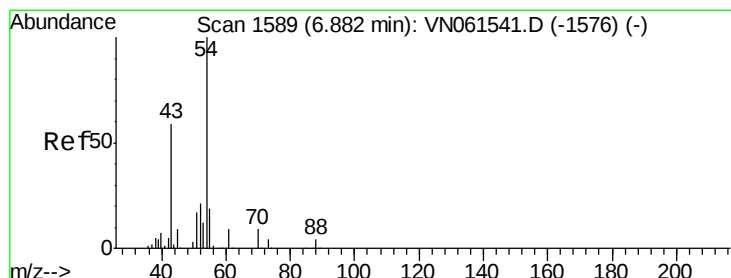
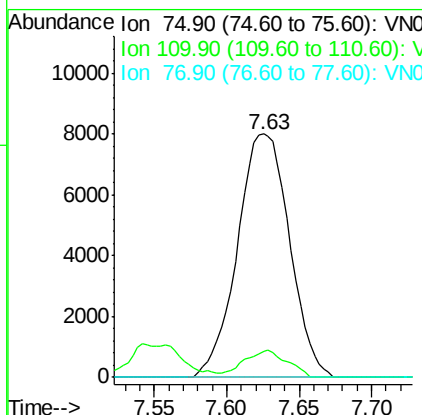
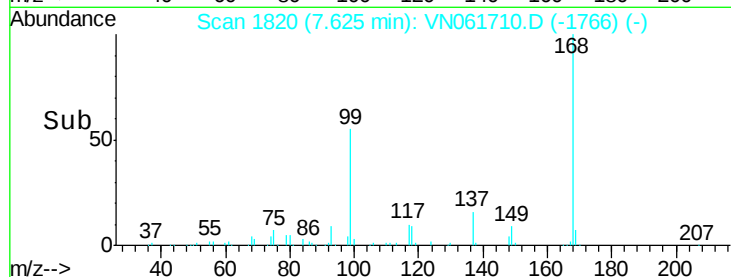
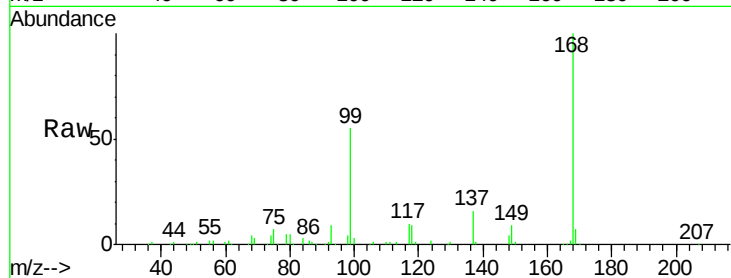




#36
 1,1-Dichloropropene
 Concen: 4.39 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061710.D
 Acq: 8 Jun 2020 20:49

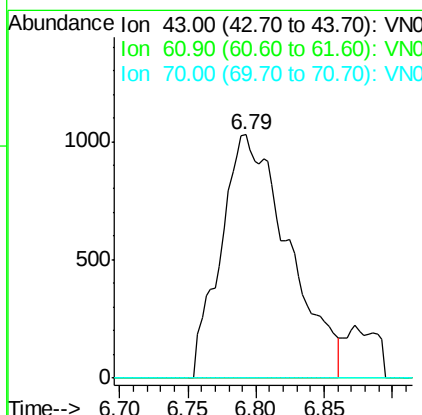
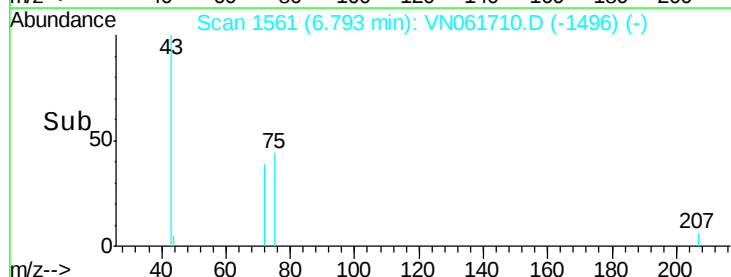
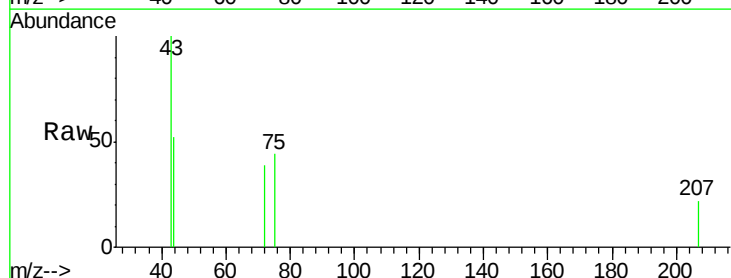
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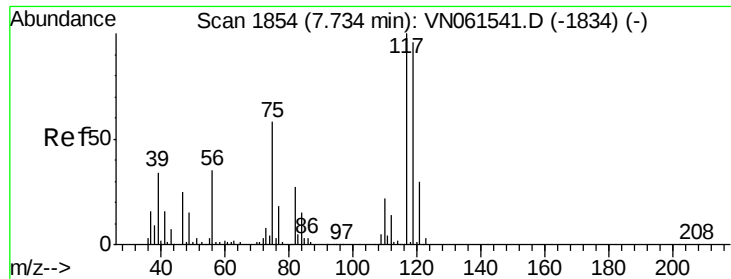
Tgt Ion: 75 Resp: 19973
 Ion Ratio Lower Upper
 75 100
 110 9.1 19.5 58.5#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 0.97 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. -0.09 min
 Lab File: VN061710.D
 Acq: 8 Jun 2020 20:49

Tgt Ion: 43 Resp: 3550
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.2 18.4#
 70 0.0 9.4 14.2#

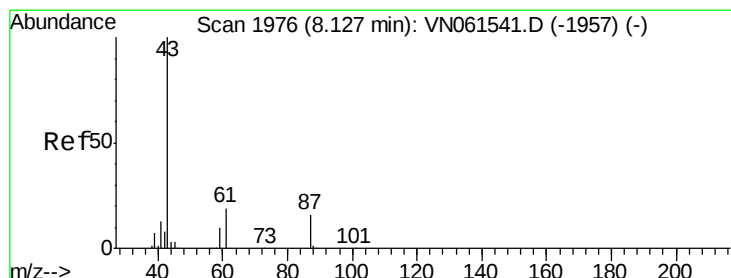
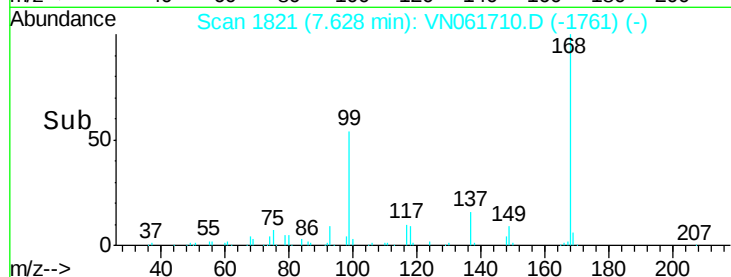
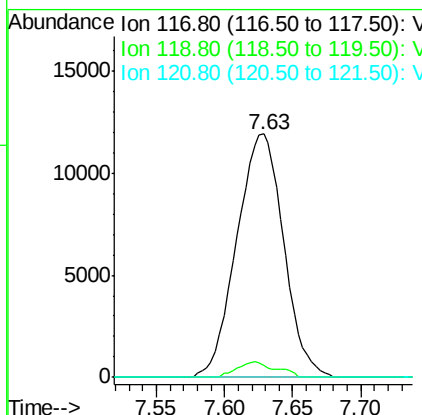
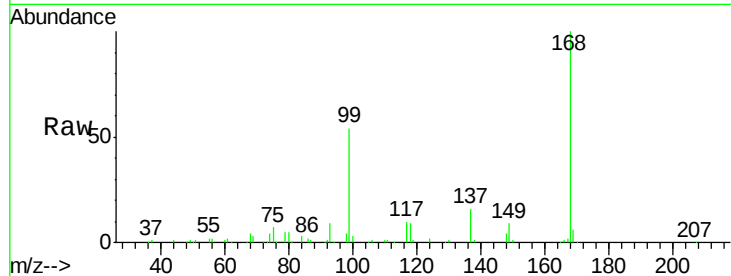




#38
Carbon Tetrachloride
Concen: 6.48 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.11 min
Lab File: VN061710.D
Acq: 8 Jun 2020 20:49

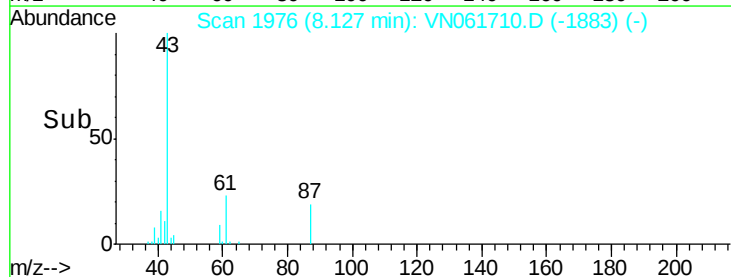
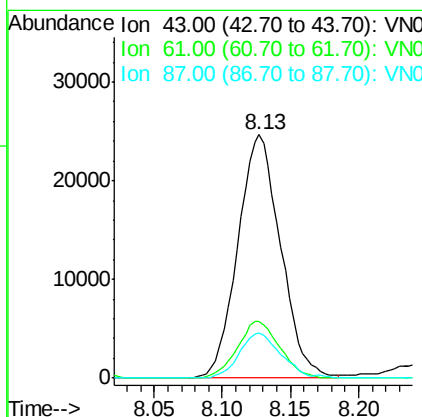
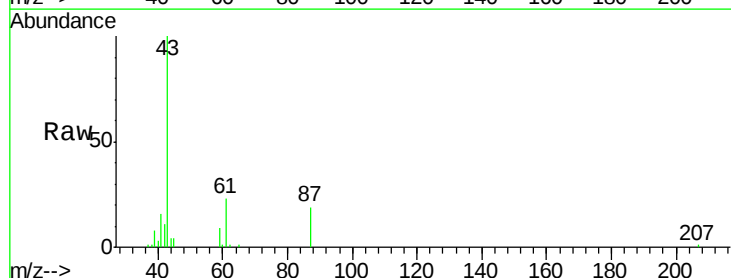
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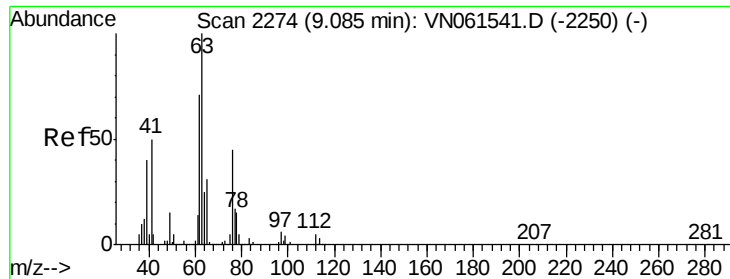
Tgt Ion:117 Resp: 28429
Ion Ratio Lower Upper
117 100
119 5.1 76.5 114.7#
121 0.0 24.1 36.1#



#43
Isopropyl Acetate
Concen: 8.13 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061710.D
Acq: 8 Jun 2020 20:49

Tgt Ion: 43 Resp: 53580
Ion Ratio Lower Upper
43 100
61 23.0 23.6 35.4#
87 17.9 13.0 19.6





#45

1,2-Dichloropropane

Concen: 0.31 ug/l

RT: 9.23 min Scan# 2319

Delta R.T. 0.14 min

Lab File: VN061710.D

Acq: 8 Jun 2020 20:49

Instrument :

MSVOA_N

ClientSampleId :

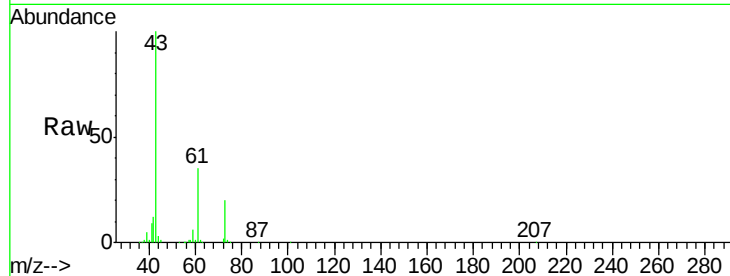
CHRT-25606

Tgt Ion: 63 Resp: 1020

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.23

600

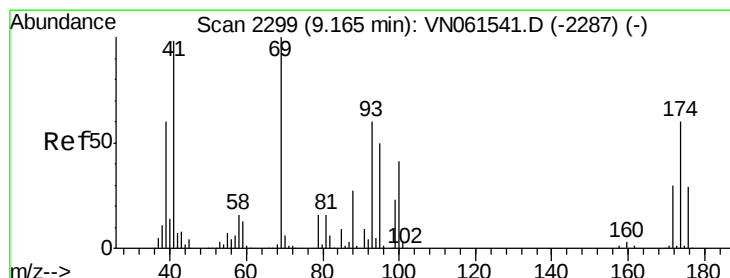
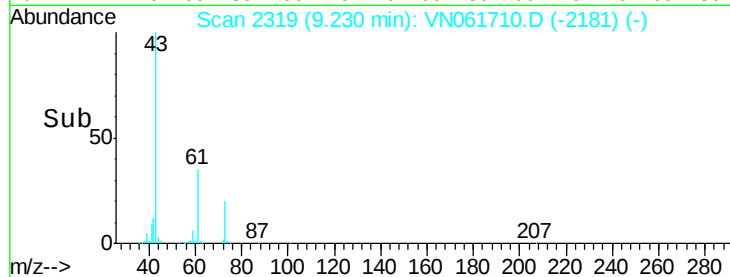
400

200

0

9.20 9.22 9.24 9.26 9.28

Time-->



#48

Methyl methacrylate

Concen: 1.09 ug/l

RT: 9.15 min Scan# 2294

Delta R.T. -0.02 min

Lab File: VN061710.D

Acq: 8 Jun 2020 20:49

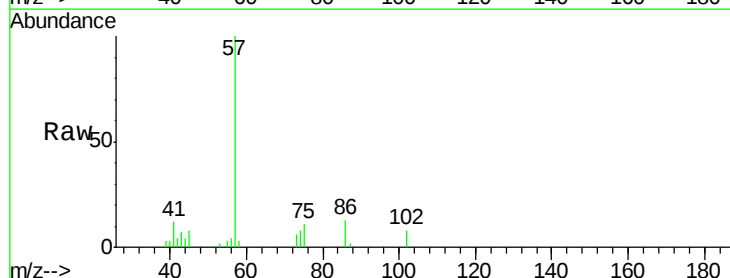
Tgt Ion: 41 Resp: 3237

Ion Ratio Lower Upper

41 100

69 0.0 83.9 125.9#

39 0.0 52.1 78.1#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

50000

40000

30000

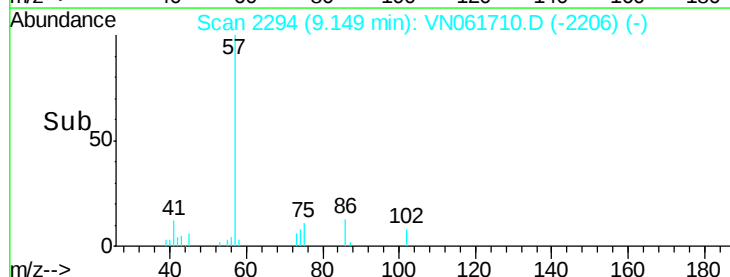
20000

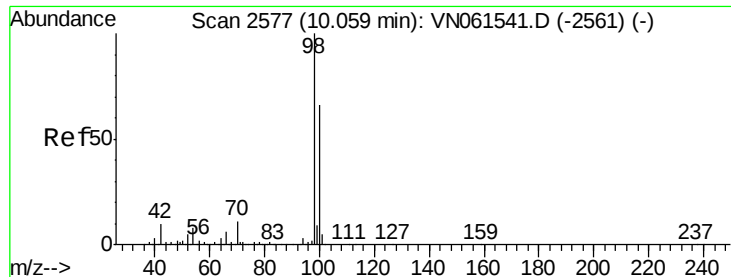
10000

0

9.10 9.15 9.20

Time-->





#50

Toluene-d8

Concen: 51.96 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061710.D

Acq: 8 Jun 2020 20:49

Instrument :

MSVOA_N

ClientSampleId :

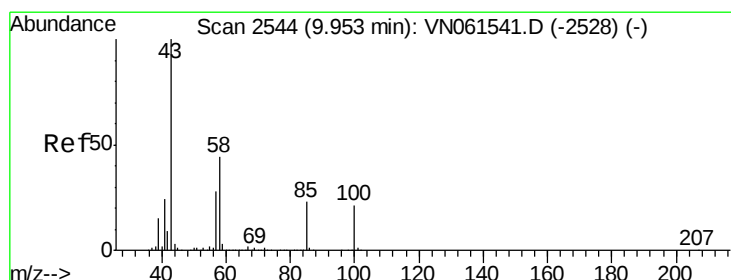
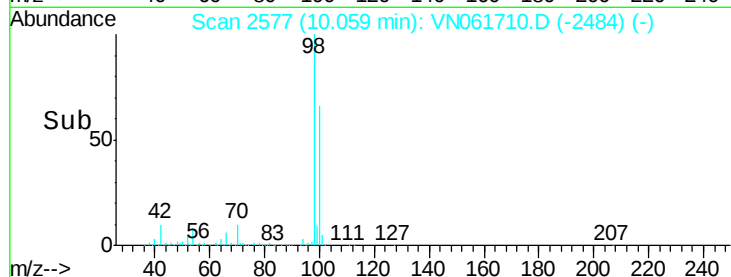
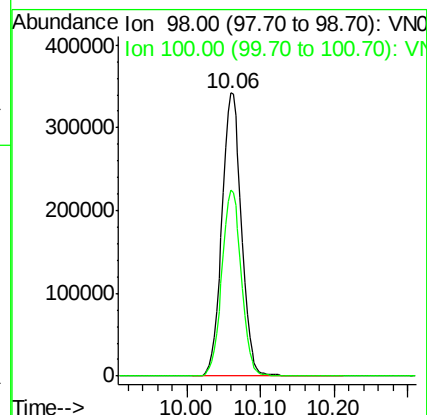
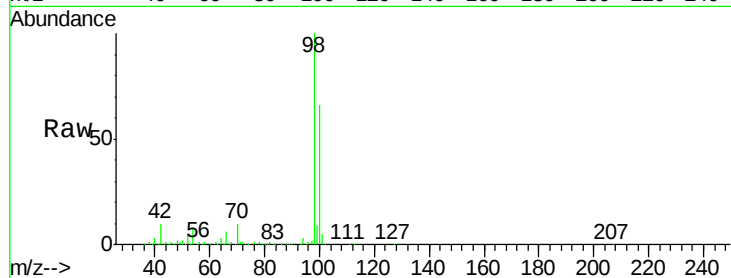
CHRT-25606

Tgt Ion: 98 Resp: 627308

Ion Ratio Lower Upper

98 100

100 65.7 52.8 79.2



#51

4-Methyl-2-Pentanone

Concen: 1.75 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061710.D

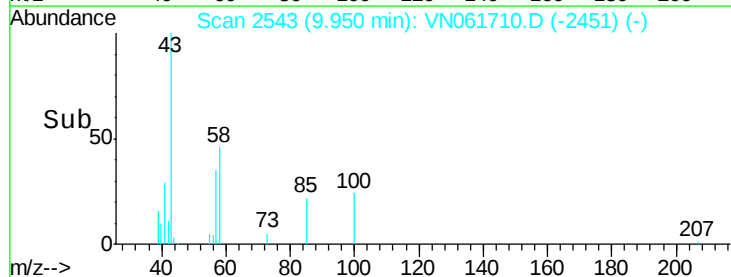
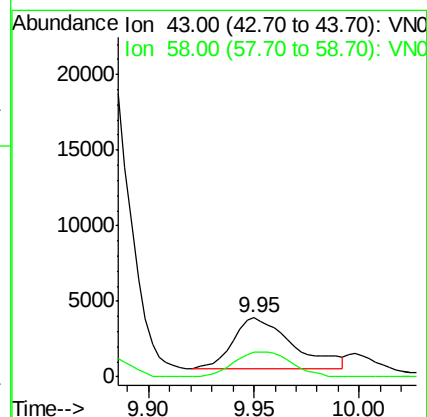
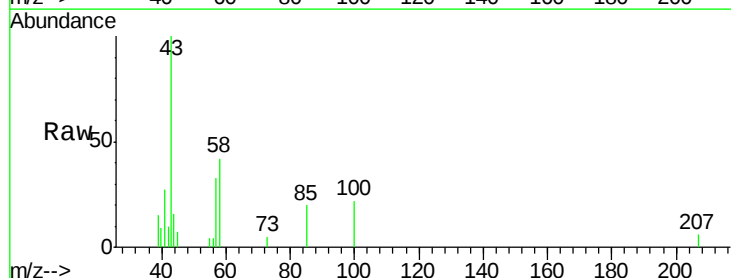
Acq: 8 Jun 2020 20:49

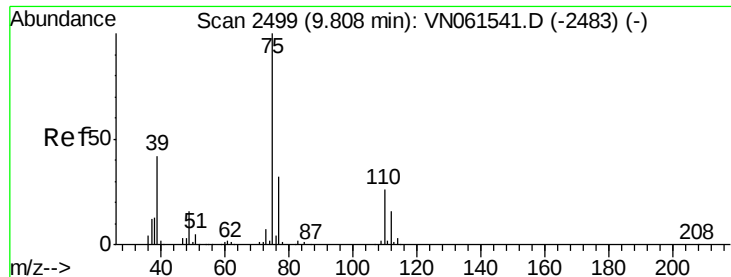
Tgt Ion: 43 Resp: 6497

Ion Ratio Lower Upper

43 100

58 48.5 35.0 52.6

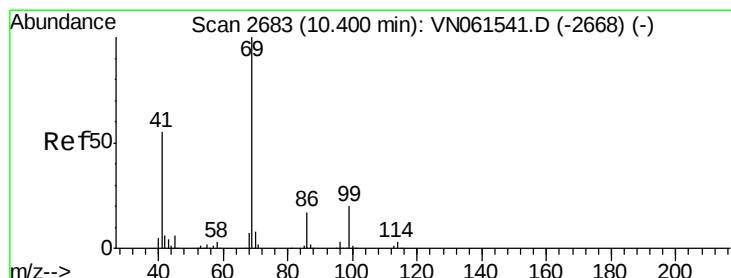
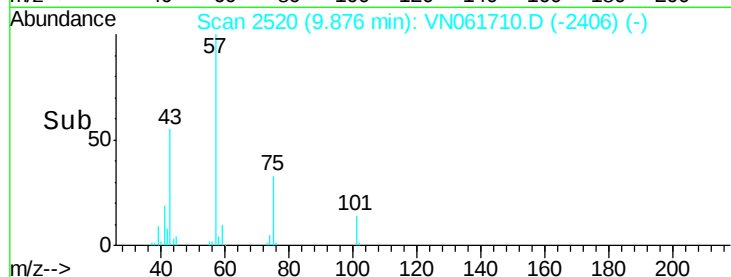
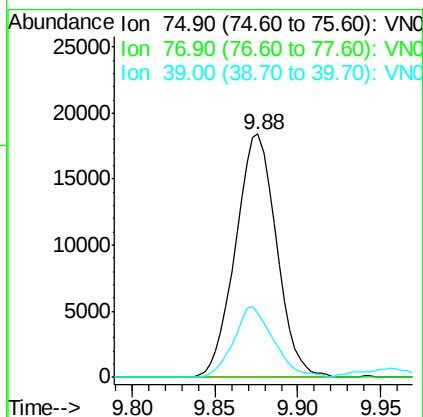
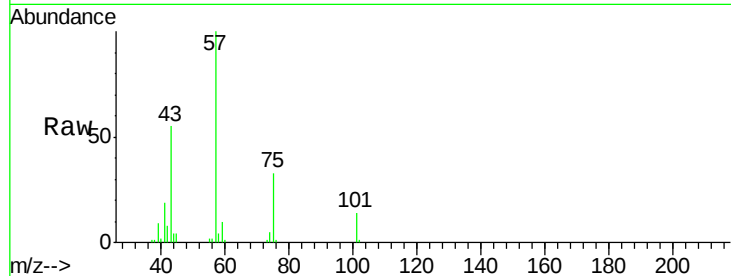




#54
 cis-1,3-Dichloropropene
 Concen: 5.41 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN061710.D
 Acq: 8 Jun 2020 20:49

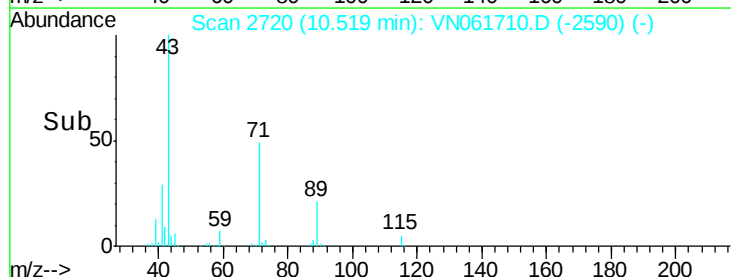
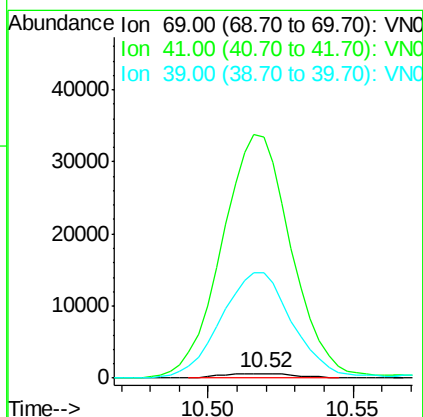
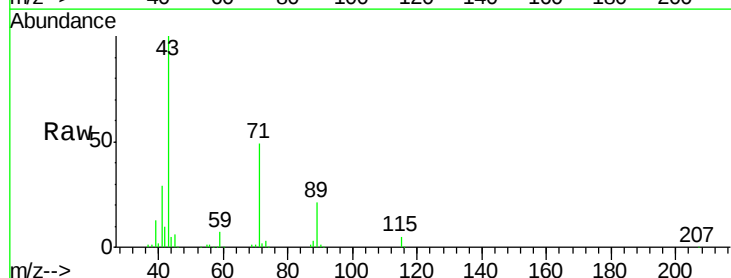
Instrument :
 MSVOA_N
 ClientSampleId :
 CHRT-25606

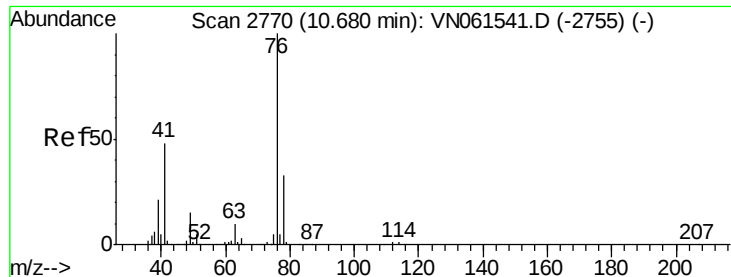
Tgt Ion: 75 Resp: 31731
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#
 39 26.5 33.8 50.6#



#56
 Ethyl methacrylate
 Concen: 0.22 ug/l
 RT: 10.52 min Scan# 2720
 Delta R.T. 0.12 min
 Lab File: VN061710.D
 Acq: 8 Jun 2020 20:49

Tgt Ion: 69 Resp: 1123
 Ion Ratio Lower Upper
 69 100
 41 5011.0 43.5 65.3#
 39 2247.5 27.0 40.6#





#57

1,3-Dichloropropane

Concen: 0.77 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.05 min

Lab File: VN061710.D

Acq: 8 Jun 2020 20:49

Instrument :

MSVOA_N

ClientSampleId :

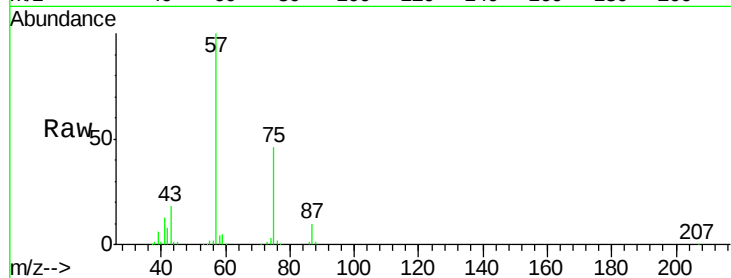
CHRT-25606

Tgt Ion: 76 Resp: 4514

Ion Ratio Lower Upper

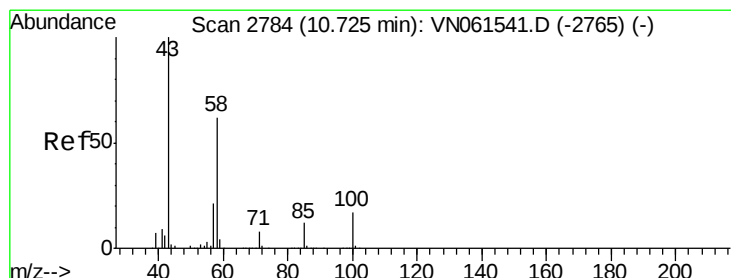
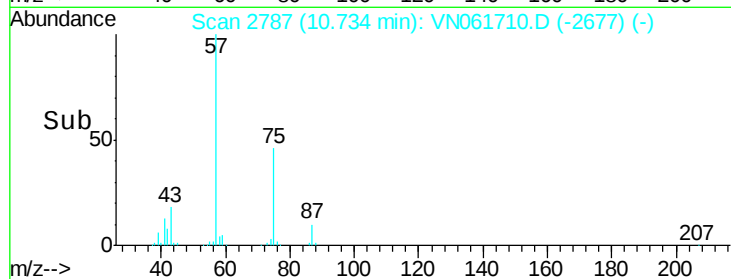
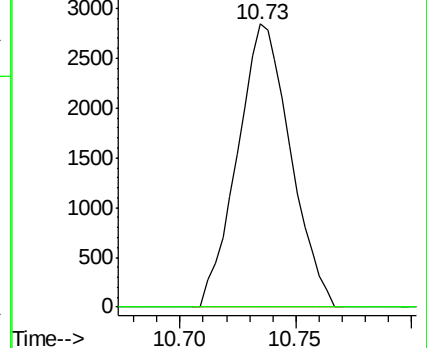
76 100

78 0.0 26.3 39.5#



Abundance Ion 75.90 (75.60 to 76.60): VN061710.D (-2677) (-)

Ion 77.90 (77.60 to 78.60): VN061710.D (-2677) (-)



#59

2-Hexanone

Concen: 18.97 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.01 min

Lab File: VN061710.D

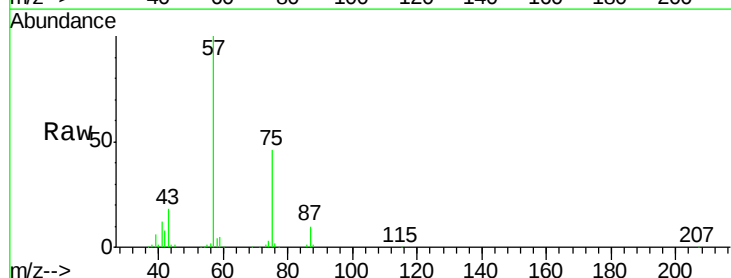
Acq: 8 Jun 2020 20:49

Tgt Ion: 43 Resp: 50574

Ion Ratio Lower Upper

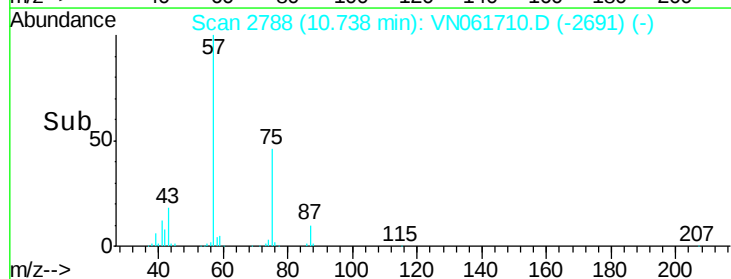
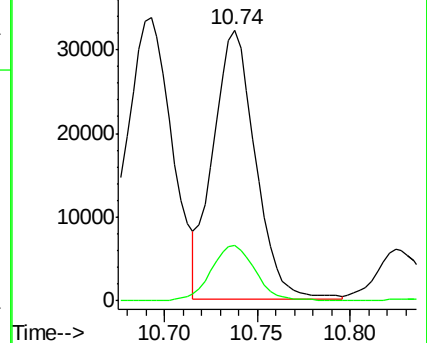
43 100

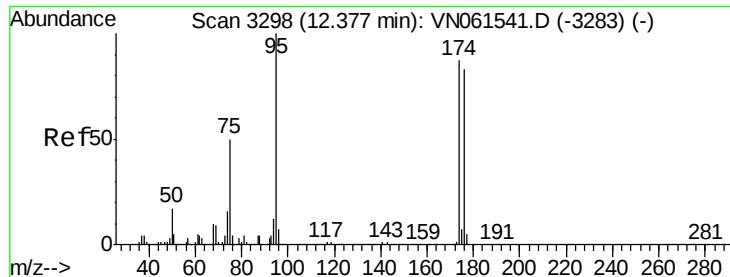
58 21.7 30.7 92.1#



Abundance Ion 43.00 (42.70 to 43.70): VN061710.D (-2691) (-)

Ion 58.00 (57.70 to 58.70): VN061710.D (-2691) (-)





#62

4-Bromofluorobenzene

Concen: 52.03 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061710.D

Acq: 8 Jun 2020 20:49

Instrument :

MSVOA_N

ClientSampleId :

CHRT-25606

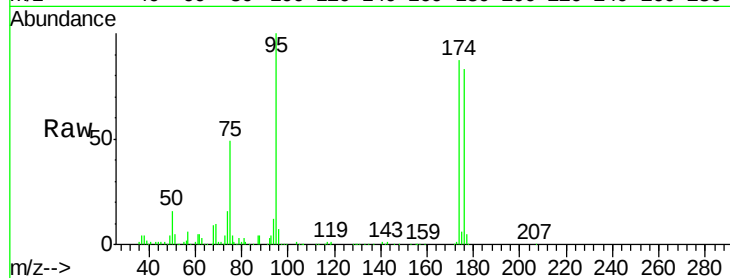
Tgt Ion: 95 Resp: 229169

Ion Ratio Lower Upper

95 100

174 86.4 0.0 172.8

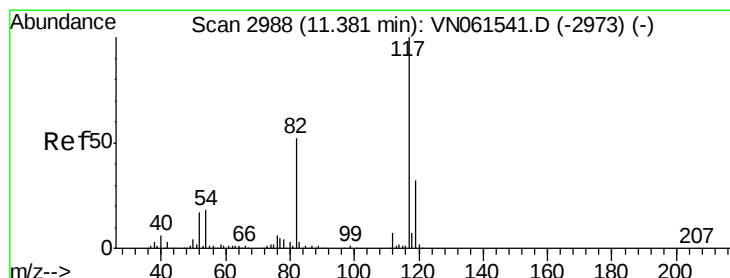
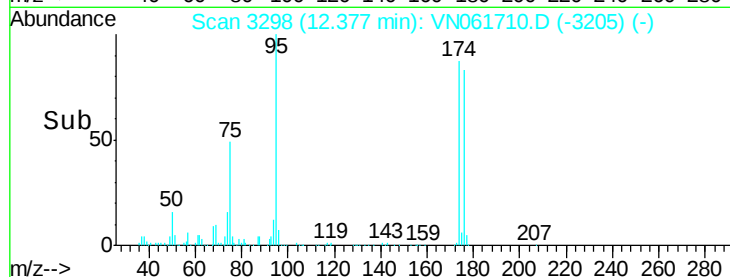
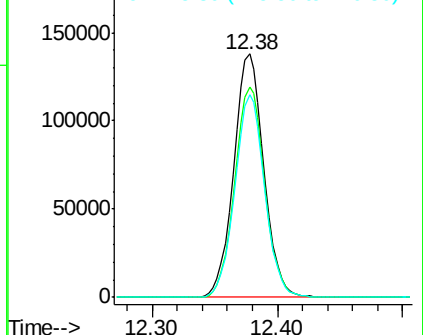
176 82.5 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN061710.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN061710.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN061710.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN061710.D

Acq: 8 Jun 2020 20:49

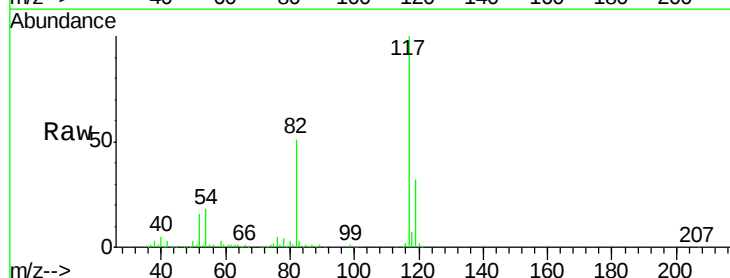
Tgt Ion: 117 Resp: 521385

Ion Ratio Lower Upper

117 100

82 50.9 41.5 62.3

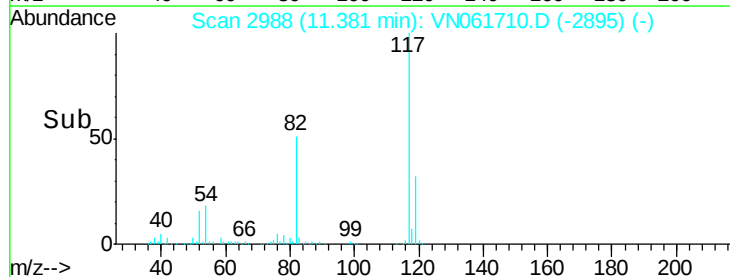
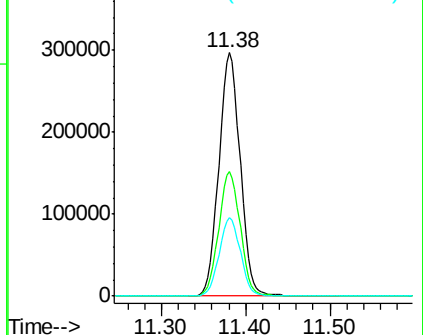
119 32.0 25.6 38.4

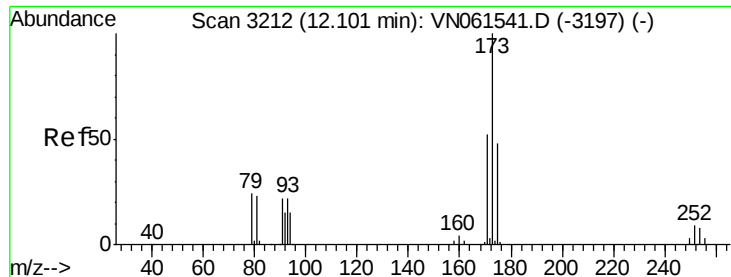


Abundance Ion 116.90 (116.60 to 117.60): VN061710.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN061710.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN061710.D (-2895) (-)





#71

Bromoform

Concen: 0.67 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN061710.D

Acq: 8 Jun 2020 20:49

Instrument :

MSVOA_N

ClientSampleId :

CHRT-25606

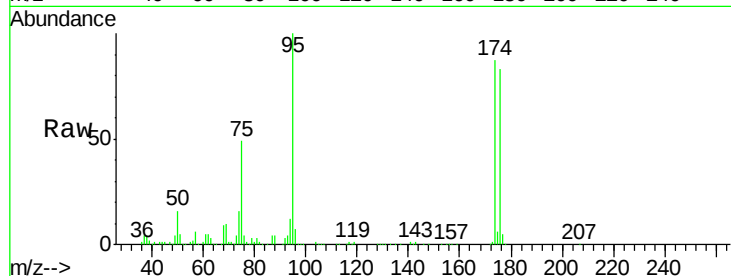
Tgt Ion:173 Resp: 2086

Ion Ratio Lower Upper

173 100

175 602.2 24.4 73.2#

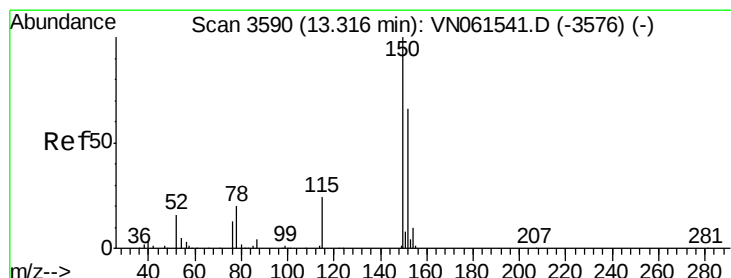
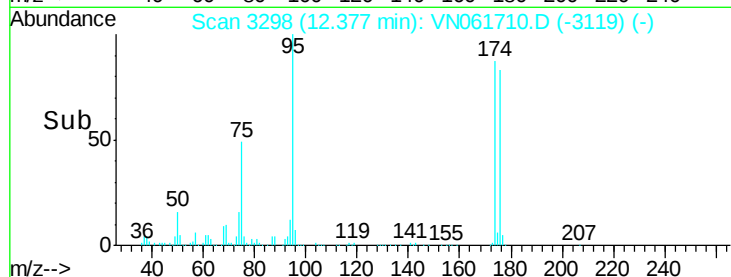
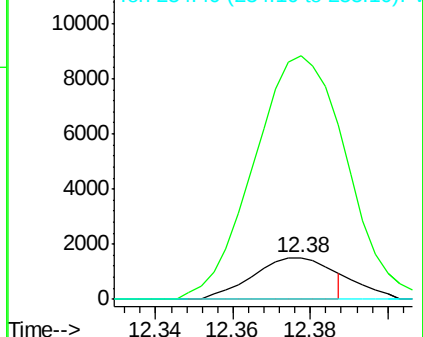
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061710.D

Acq: 8 Jun 2020 20:49

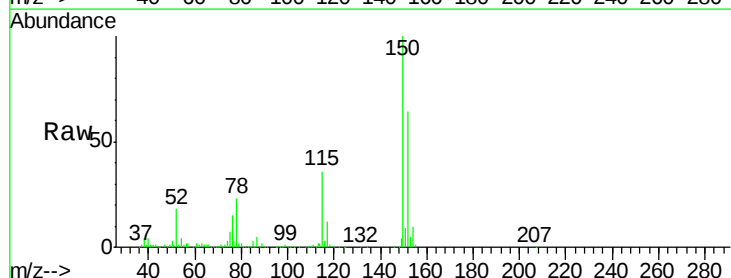
Tgt Ion:152 Resp: 248714

Ion Ratio Lower Upper

152 100

115 56.9 28.0 84.0

150 157.9 0.0 344.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

