

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN060820\
 Data File : VN061698.D
 Acq On : 8 Jun 2020 16:08
 Operator : JC/MD
 Sample : L2890-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CHRT-24245

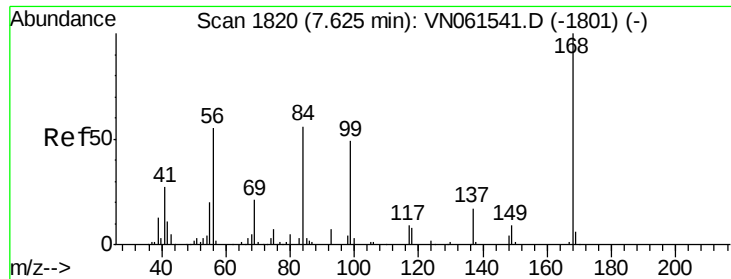
Quant Time: Jun 09 03:12:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	300156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	509496	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	513348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	230604	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	168868	47.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.44%	
35) Dibromofluoromethane	7.55	113	142935	55.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.60%	
50) Toluene-d8	10.06	98	615741	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
62) 4-Bromofluorobenzene	12.38	95	220461	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	76401	73.13	ug/l	95
18) Methyl Acetate	4.28	43	1297	0.40	ug/l #	87
20) Methylene Chloride	4.50	84	11899	1.99	ug/l	96
25) 2-Butanone	6.78	43	2238	1.32	ug/l	94
29) Tetrahydrofuran	7.17	42	989	0.88	ug/l #	73
31) Cyclohexane	7.62	56	5447	1.08	ug/l #	21
36) 1,1-Dichloropropene	7.63	75	20147	4.47	ug/l #	48
37) Ethyl Acetate	6.88	43	851	0.23	ug/l #	66
38) Carbon Tetrachloride	7.62	117	29371	6.75	ug/l #	16
41) Methacrylonitrile	7.17	41	577	0.35	ug/l #	21
43) Isopropyl Acetate	8.12	43	23764	3.64	ug/l #	90
48) Methyl methacrylate	9.14	41	1906	0.65	ug/l #	9
51) 4-Methyl-2-Pentanone	9.95	43	8341	2.26	ug/l #	83
54) cis-1,3-Dichloropropene	9.87	75	21242	3.65	ug/l #	64
59) 2-Hexanone	10.74	43	10566	3.99	ug/l #	57
71) Bromoform	12.38	173	1740	0.57	ug/l #	1
74) N-amyl acetate	12.01	43	2287	0.43	ug/l #	39
76) 1,2,3-Trichloropropane	12.37	75	104152	24.84	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	104152	63.52	ug/l #	15

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

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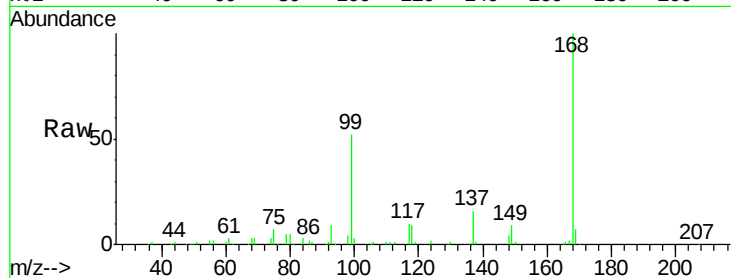
CHRT-24245

Tgt Ion:168 Resp: 300156

Ion Ratio Lower Upper

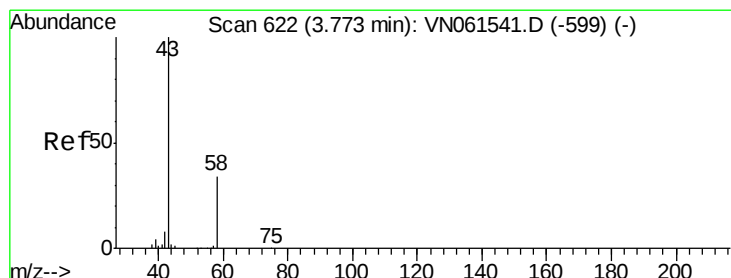
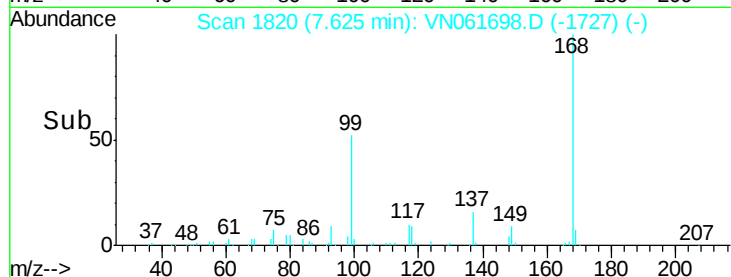
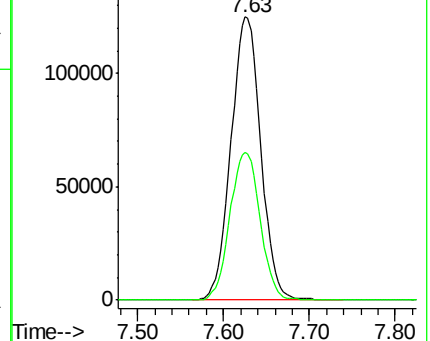
168 100

99 52.2 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 73.13 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061698.D

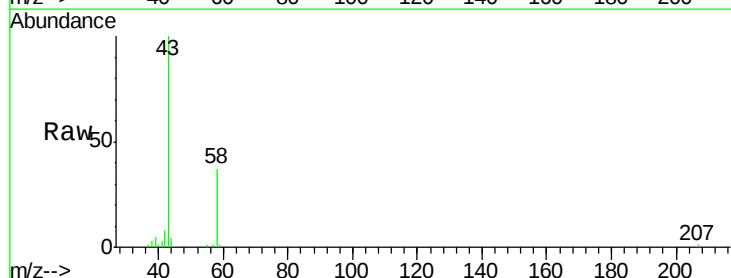
Acq: 8 Jun 2020 16:08

Tgt Ion: 43 Resp: 76401

Ion Ratio Lower Upper

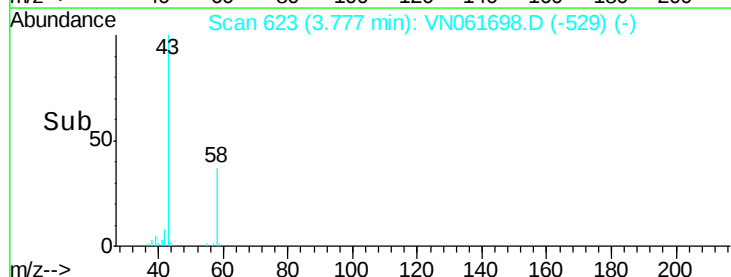
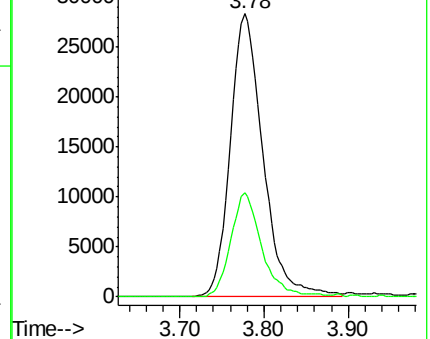
43 100

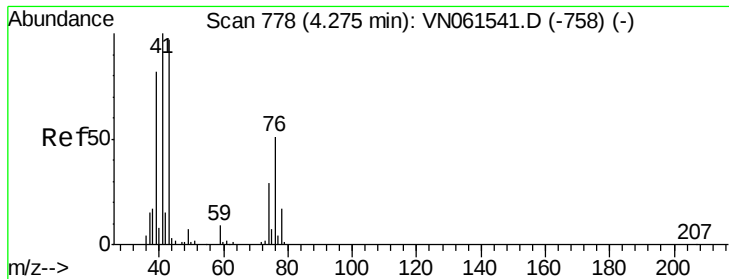
58 36.9 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

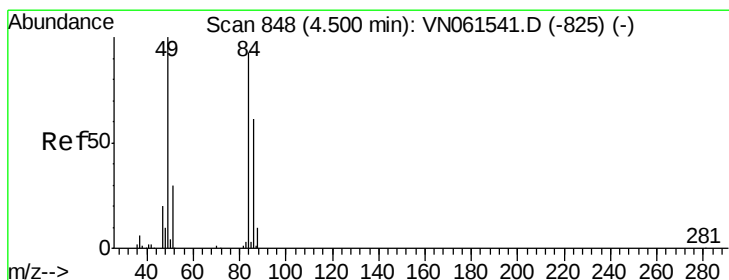
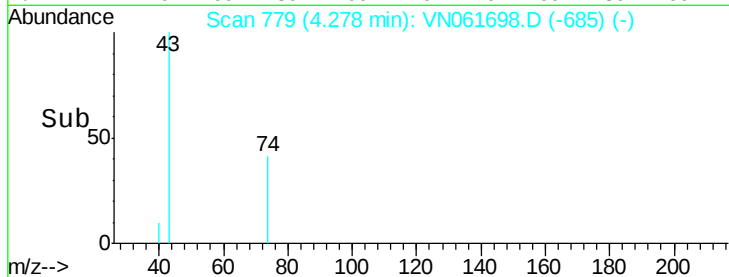
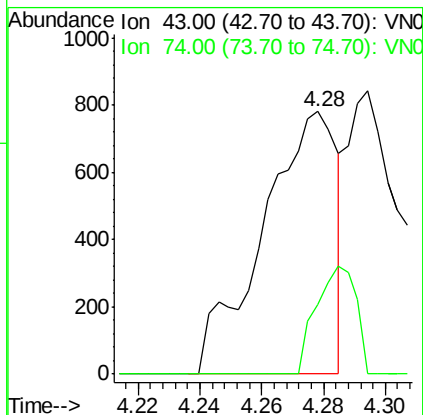
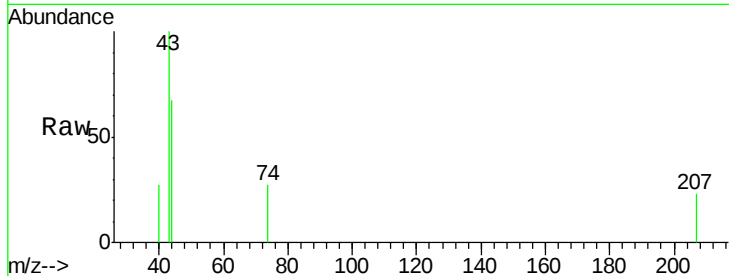




#18
Methyl Acetate
Concen: 0.40 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061698.D
Acq: 8 Jun 2020 16:08

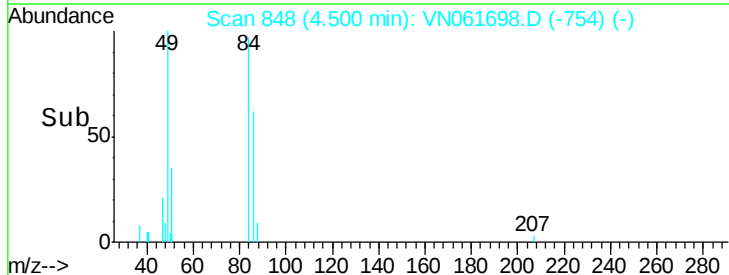
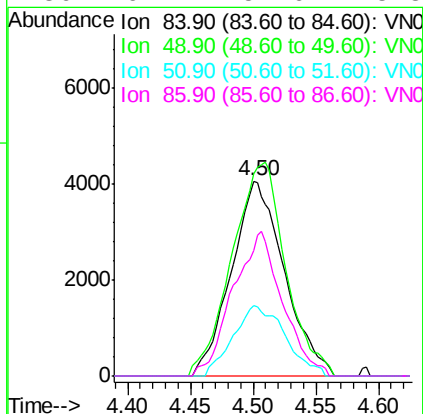
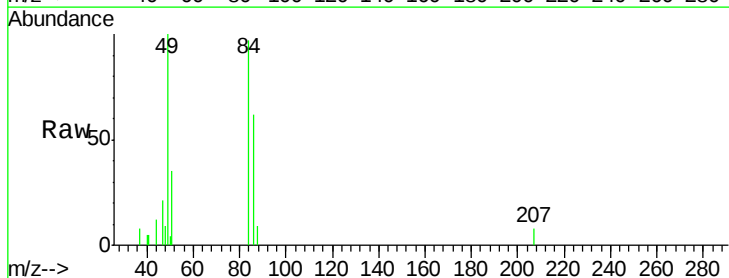
Instrument :
MSVOA_N
ClientSampleId :
CHRT-24245

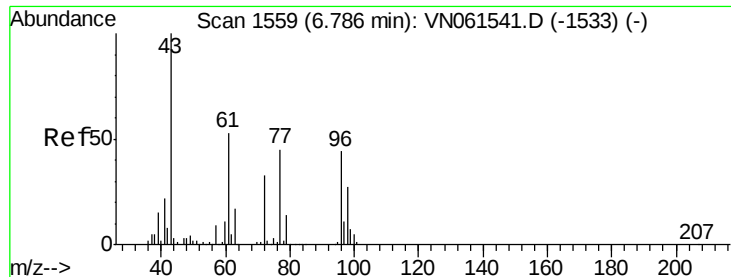
Tgt Ion: 43 Resp: 1297
Ion Ratio Lower Upper
43 100
74 22.0 23.2 34.8#



#20
Methylene Chloride
Concen: 1.99 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN061698.D
Acq: 8 Jun 2020 16:08

Tgt Ion: 84 Resp: 11899
Ion Ratio Lower Upper
84 100
49 103.4 85.8 128.8
51 36.4 26.2 39.2
86 64.2 52.6 78.8

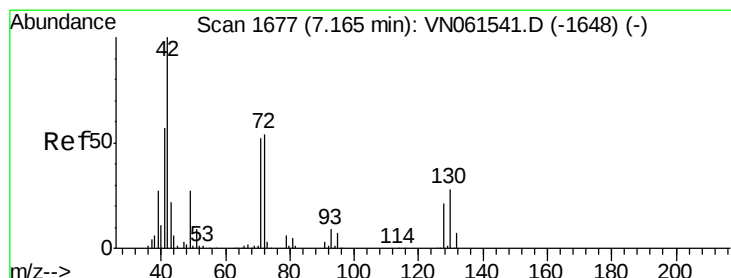
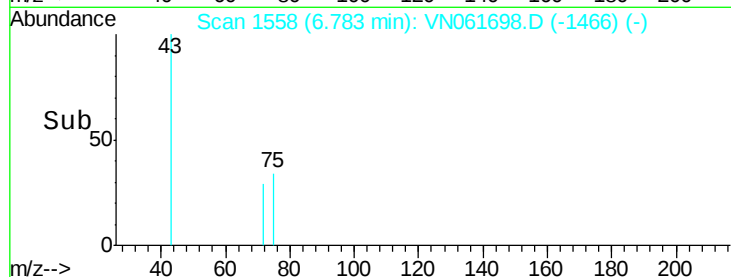
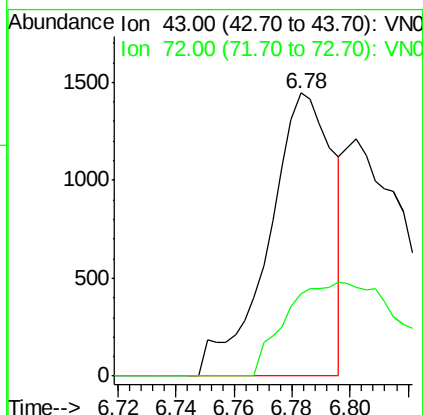
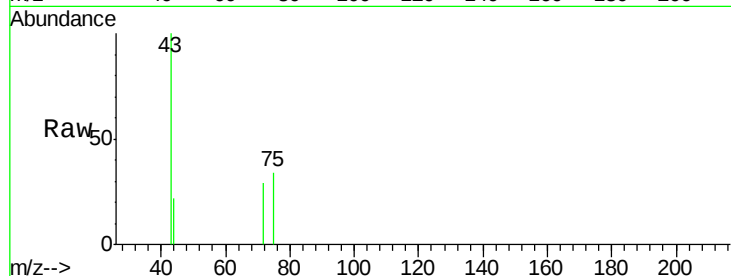




#25
2-Butanone
Concen: 1.32 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VN061698.D
Acq: 8 Jun 2020 16:08

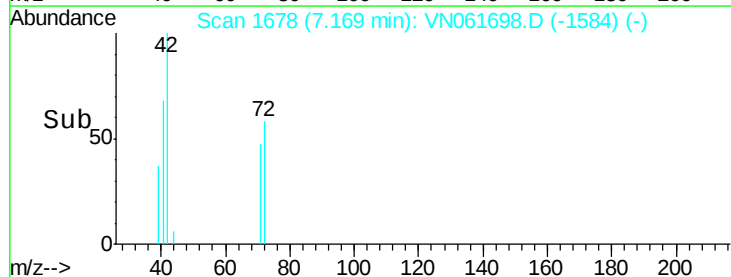
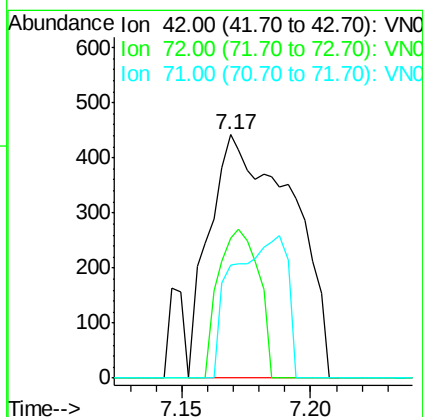
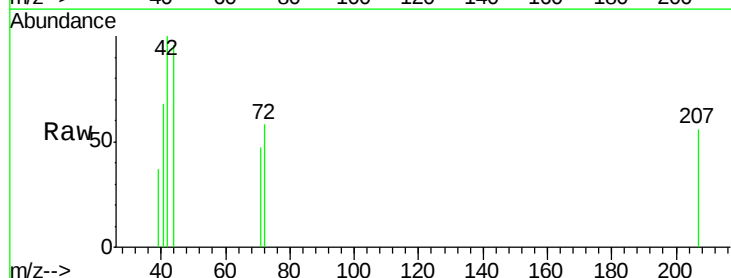
Instrument :
MSVOA_N
ClientSampleId :
CHRT-24245

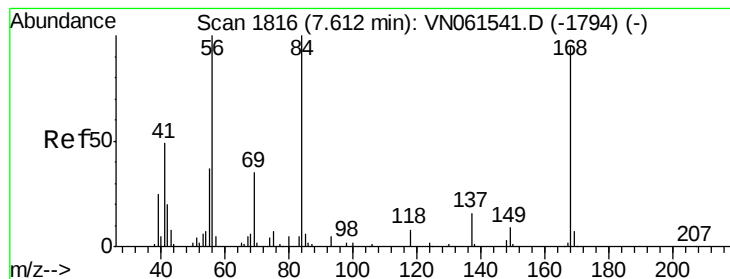
Tgt Ion: 43 Resp: 2238
Ion Ratio Lower Upper
43 100
72 29.1 26.0 39.0



#29
Tetrahydrofuran
Concen: 0.88 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN061698.D
Acq: 8 Jun 2020 16:08

Tgt Ion: 42 Resp: 989
Ion Ratio Lower Upper
42 100
72 29.6 43.6 65.4#
71 38.4 41.2 61.8#





#31

Cyclohexane

Concen: 1.08 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN061698.D

Acq: 8 Jun 2020 16:08

Instrument :

MSVOA_N

ClientSampleId :

CHRT-24245

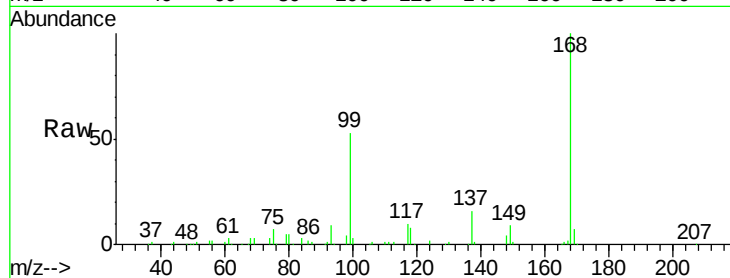
Tgt Ion: 56 Resp: 5447

Ion Ratio Lower Upper

56 100

69 159.4 27.8 41.8#

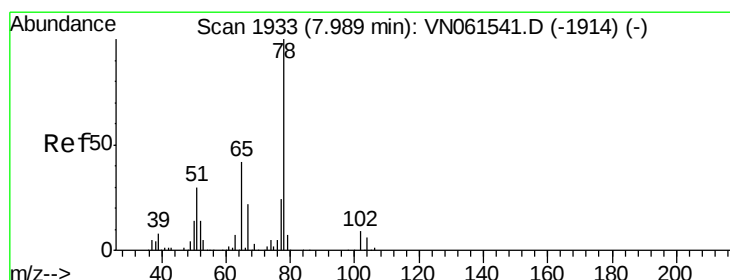
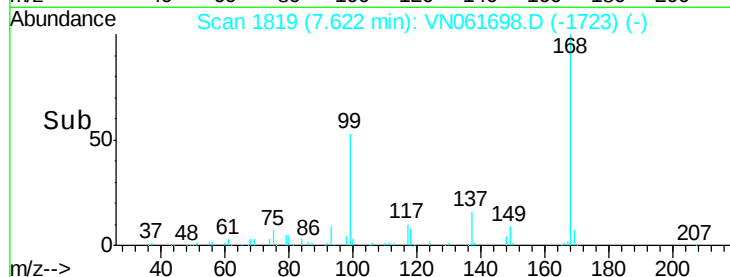
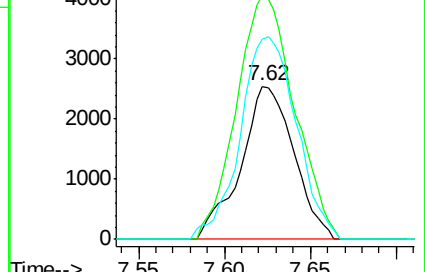
84 131.3 79.9 119.9#



Abundance Ion 56.00 (55.70 to 56.70): VN061698.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN061698.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN061698.D (-1723) (-)



#33

1,2-Dichloroethane-d4

Concen: 47.22 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061698.D

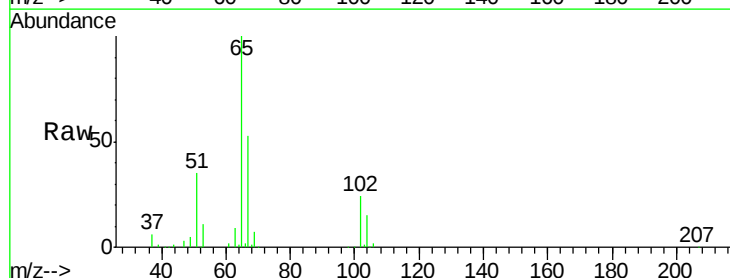
Acq: 8 Jun 2020 16:08

Tgt Ion: 65 Resp: 168868

Ion Ratio Lower Upper

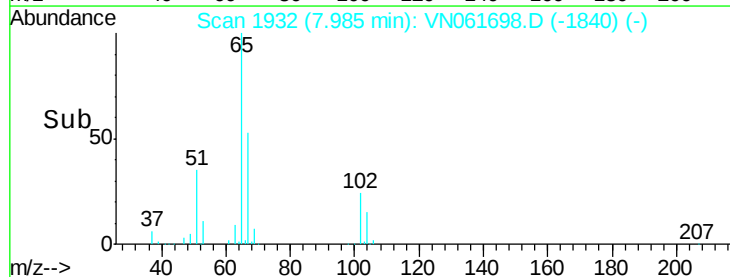
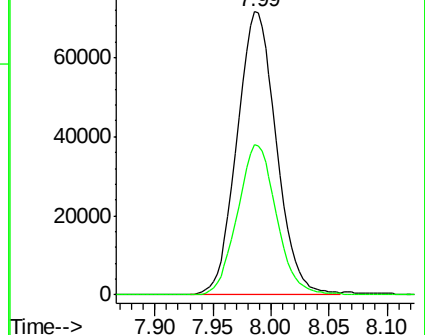
65 100

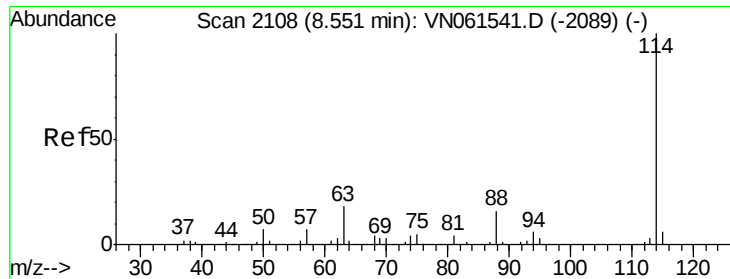
67 52.6 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VN061698.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN061698.D (-1840) (-)

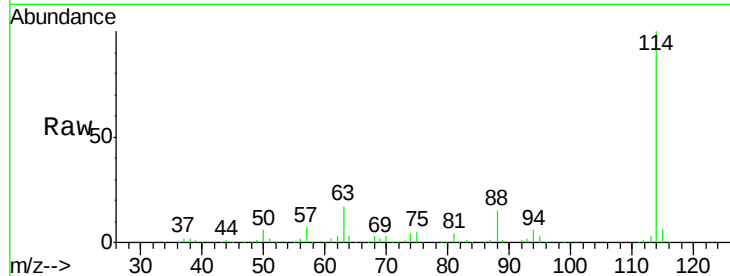




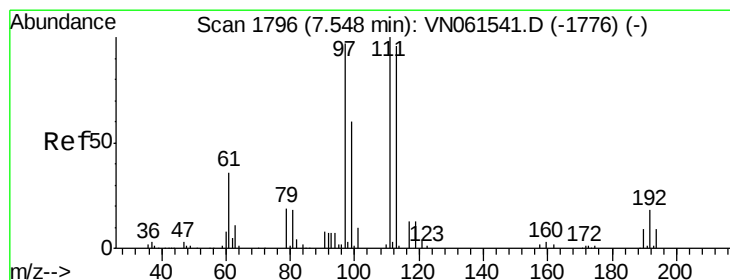
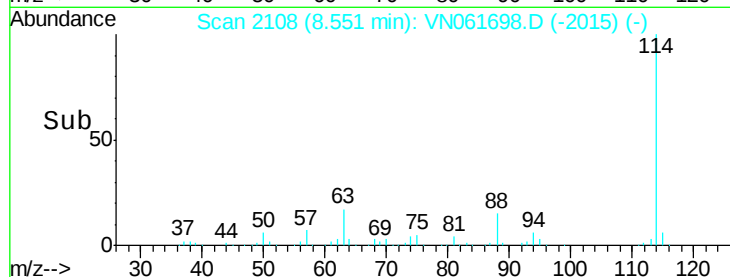
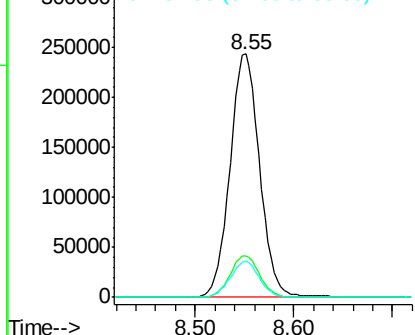
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061698.D
 Acq: 8 Jun 2020 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 CHRT-24245

Tgt Ion:114 Resp: 509496
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 35.8
 88 14.8 0.0 31.0

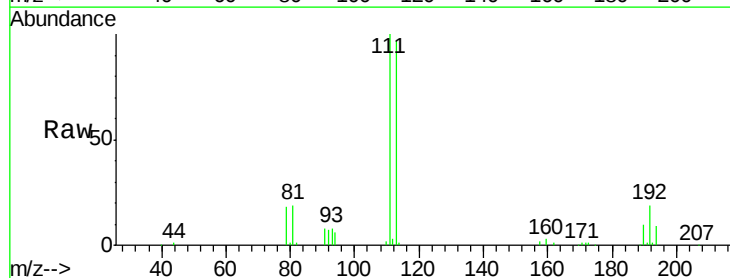


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

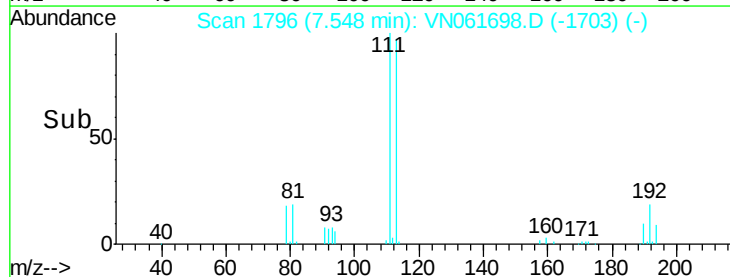
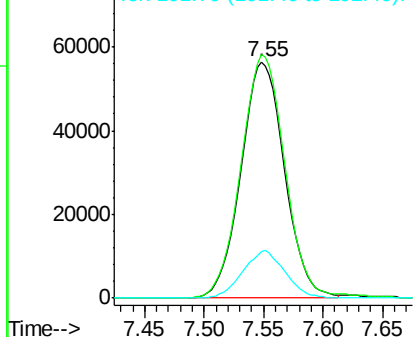


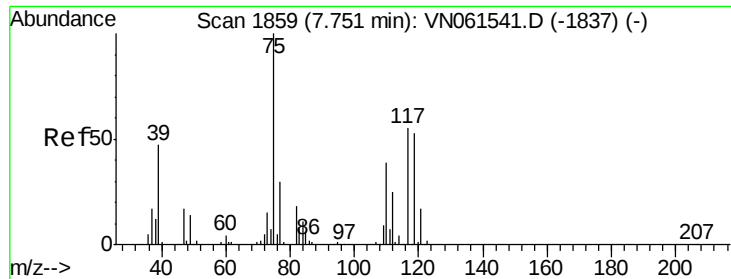
#35
 Dibromofluoromethane
 Concen: 55.30 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061698.D
 Acq: 8 Jun 2020 16:08

Tgt Ion:113 Resp: 142935
 Ion Ratio Lower Upper
 113 100
 111 103.4 83.4 125.0
 192 19.5 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

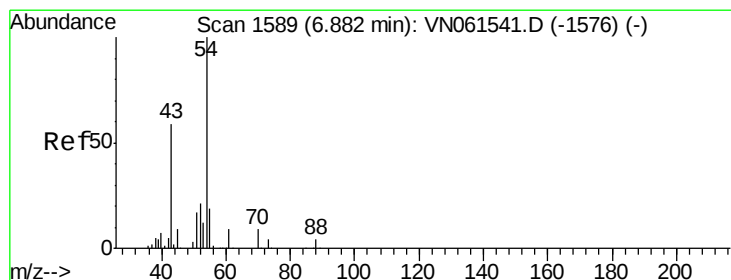
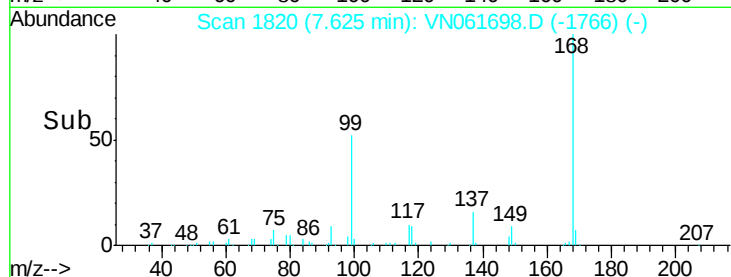
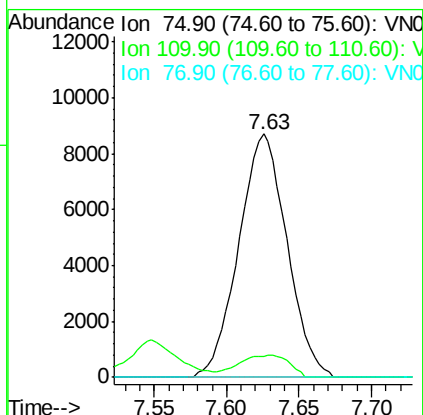
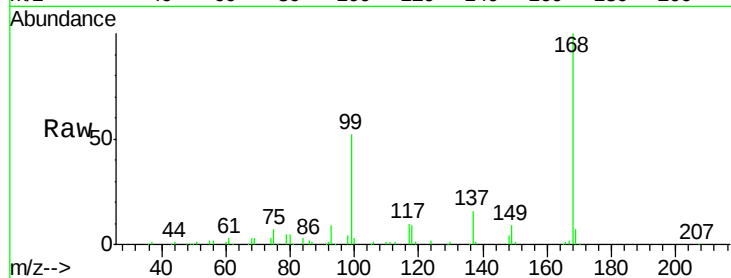




#36
 1,1-Dichloropropene
 Concen: 4.47 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061698.D
 Acq: 8 Jun 2020 16:08

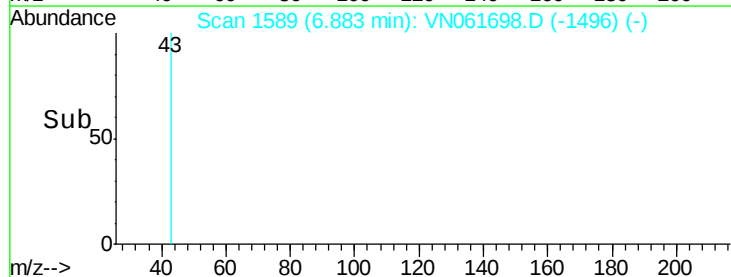
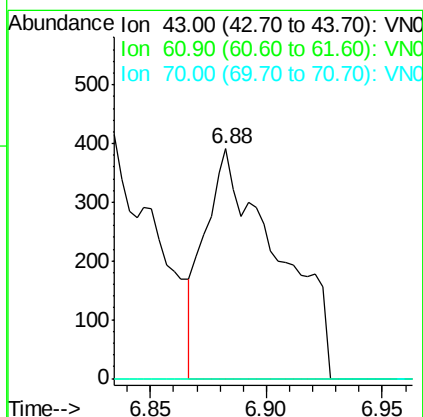
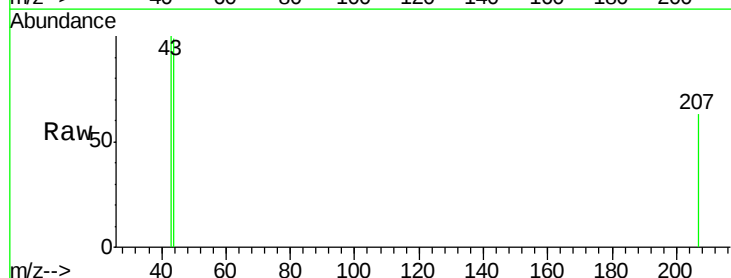
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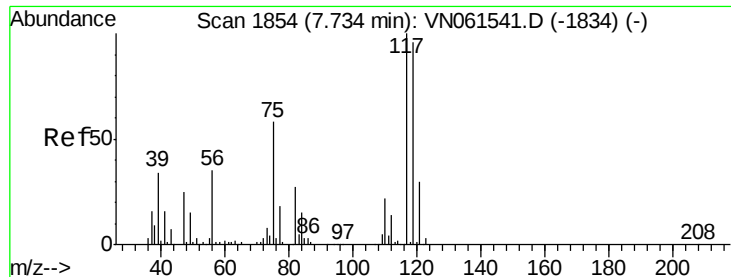
Tgt Ion: 75 Resp: 20147
 Ion Ratio Lower Upper
 75 100
 110 9.6 19.5 58.5#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 0.23 ug/l
 RT: 6.88 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VN061698.D
 Acq: 8 Jun 2020 16:08

Tgt Ion: 43 Resp: 851
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.2 18.4#
 70 0.0 9.4 14.2#

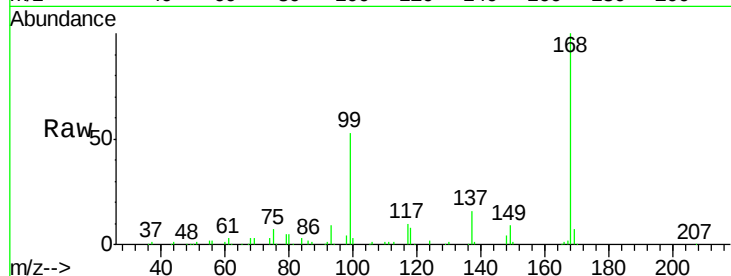




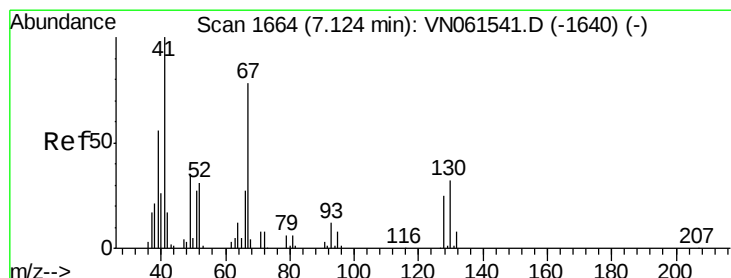
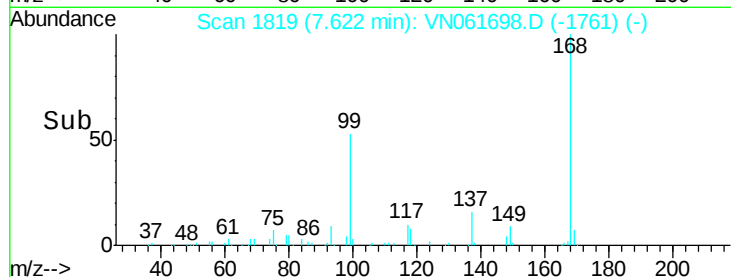
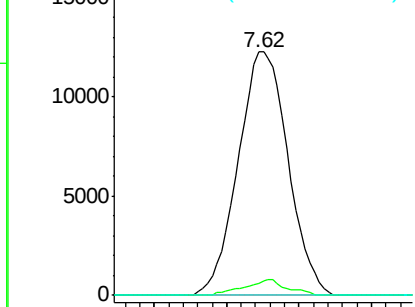
#38
Carbon Tetrachloride
Concen: 6.75 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. -0.11 min
Lab File: VN061698.D
Acq: 8 Jun 2020 16:08

Instrument :
MSVOA_N
ClientSampleId :
CHRT-24245

Tgt Ion: 117 Resp: 29371
Ion Ratio Lower Upper
117 100
119 4.8 76.5 114.7#
121 0.0 24.1 36.1#

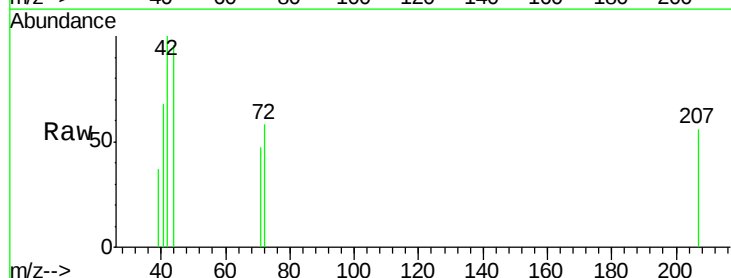


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

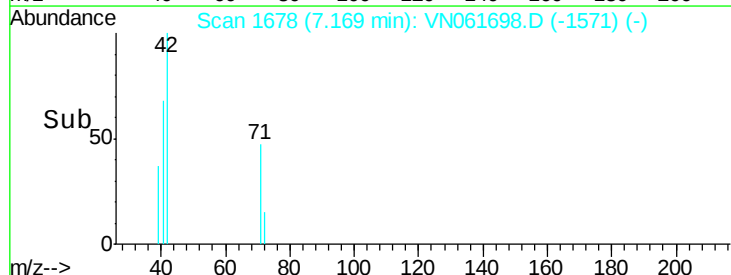
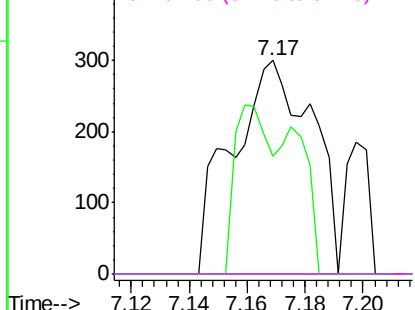


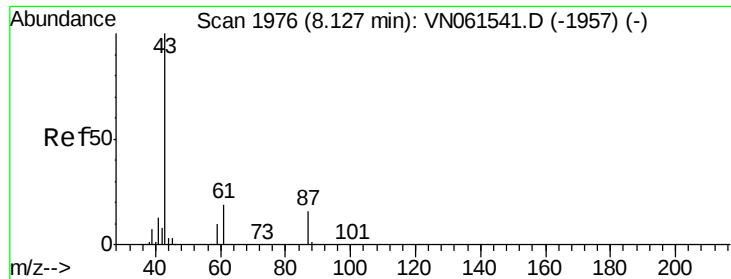
#41
Methacrylonitrile
Concen: 0.35 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.05 min
Lab File: VN061698.D
Acq: 8 Jun 2020 16:08

Tgt Ion: 41 Resp: 577
Ion Ratio Lower Upper
41 100
39 34.5 53.8 80.6#
67 0.0 91.1 136.7#
52 0.0 36.0 54.0#



Abundance Ion 41.00 (40.70 to 41.70): V
Ion 39.00 (38.70 to 39.70): V
Ion 67.00 (66.70 to 67.70): V
Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 3.64 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN061698.D

Acq: 8 Jun 2020 16:08

Instrument :

MSVOA_N

ClientSampled :

CHRT-24245

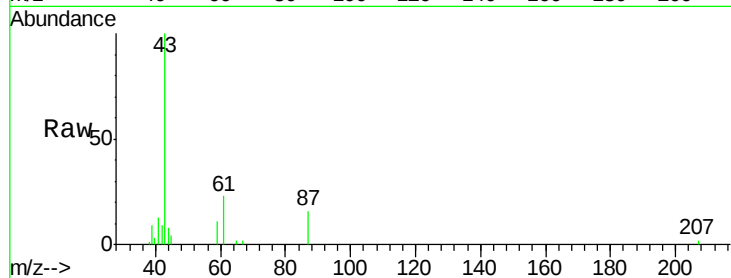
Tgt Ion: 43 Resp: 23764

Ion Ratio Lower Upper

43 100

61 21.8 23.6 35.4#

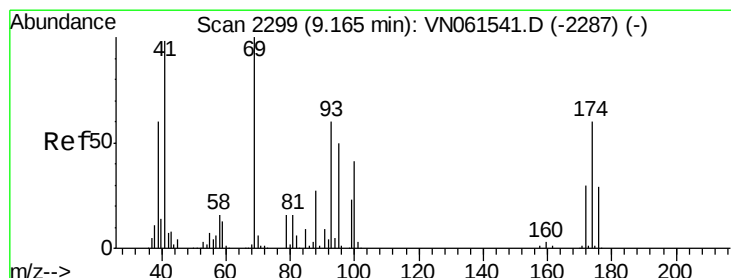
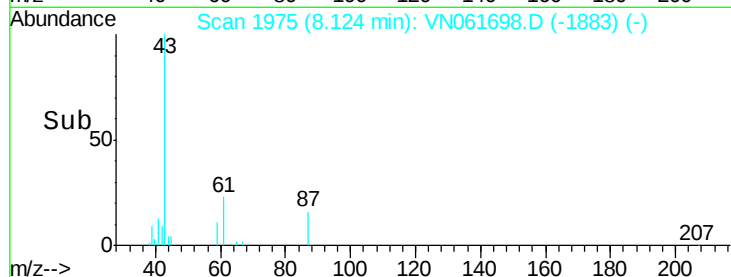
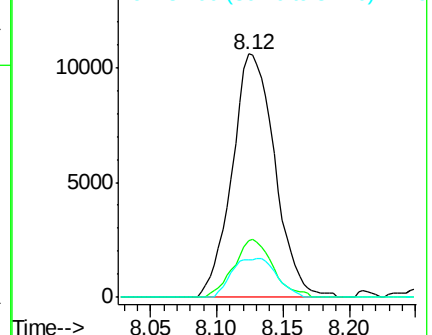
87 16.6 13.0 19.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 0.65 ug/l

RT: 9.14 min Scan# 2292

Delta R.T. -0.02 min

Lab File: VN061698.D

Acq: 8 Jun 2020 16:08

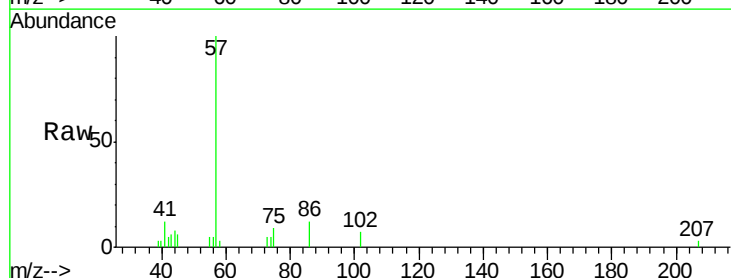
Tgt Ion: 41 Resp: 1906

Ion Ratio Lower Upper

41 100

69 0.0 83.9 125.9#

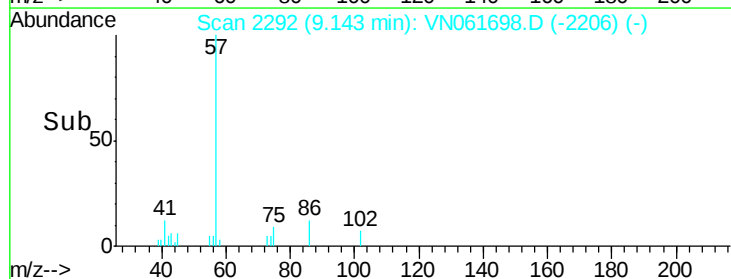
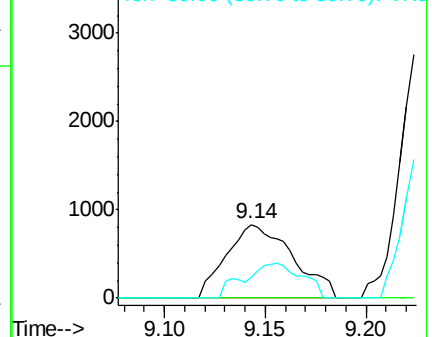
39 8.2 52.1 78.1#

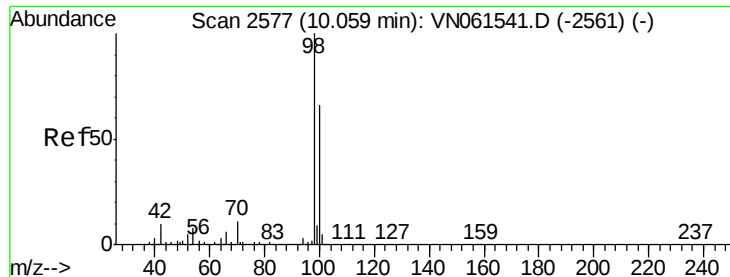


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 51.41 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061698.D

Acq: 8 Jun 2020 16:08

Instrument :

MSVOA_N

ClientSampleId :

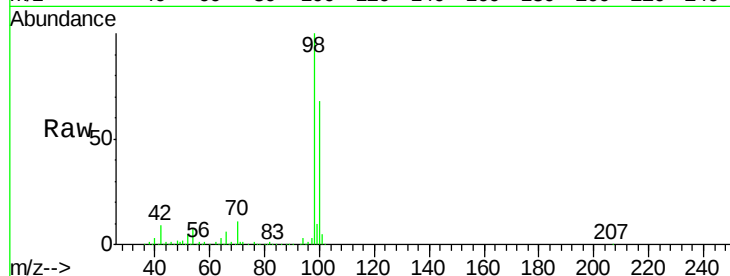
CHRT-24245

Tgt Ion: 98 Resp: 615741

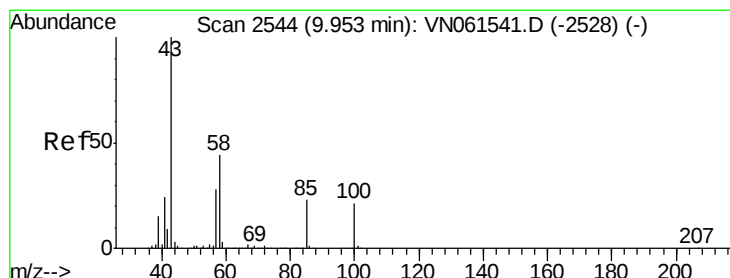
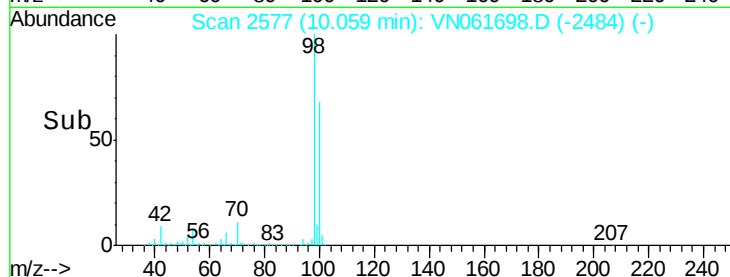
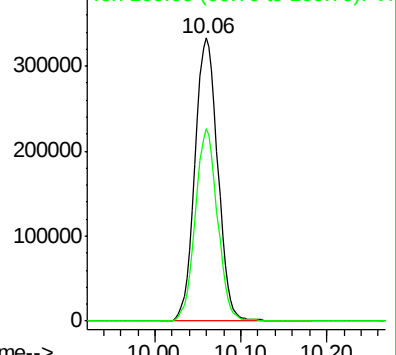
Ion Ratio Lower Upper

98 100

100 65.9 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN061541.D (-2561) (-)



#51

4-Methyl-2-Pentanone

Concen: 2.26 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN061698.D

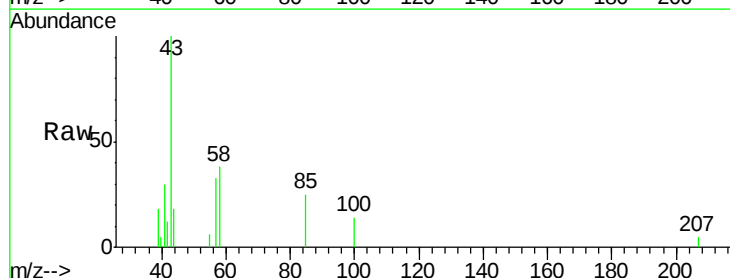
Acq: 8 Jun 2020 16:08

Tgt Ion: 43 Resp: 8341

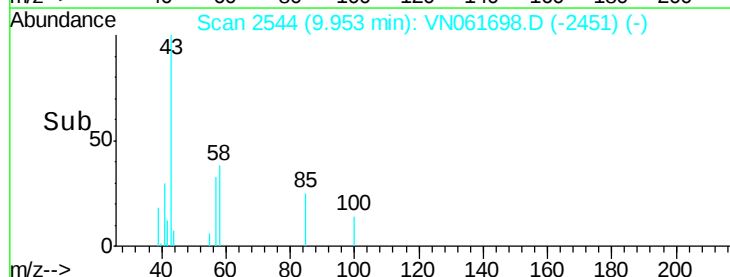
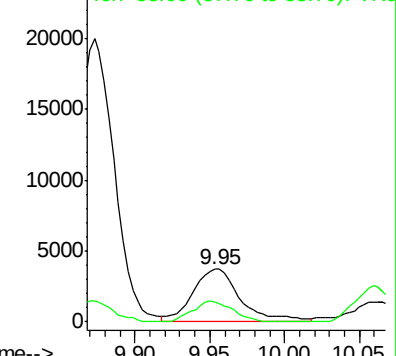
Ion Ratio Lower Upper

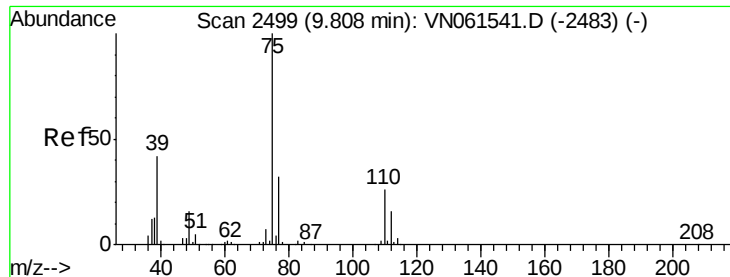
43 100

58 32.6 35.0 52.6#



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-2528) (-)

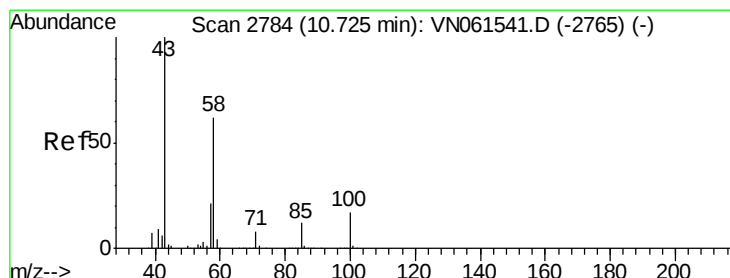
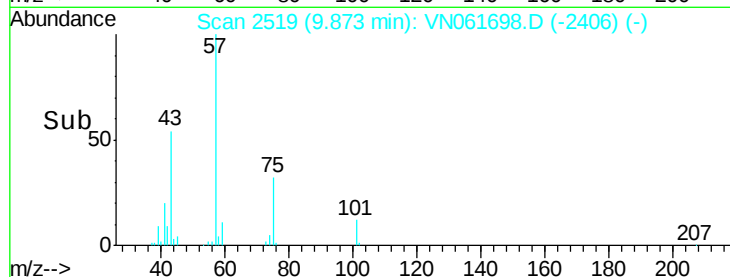
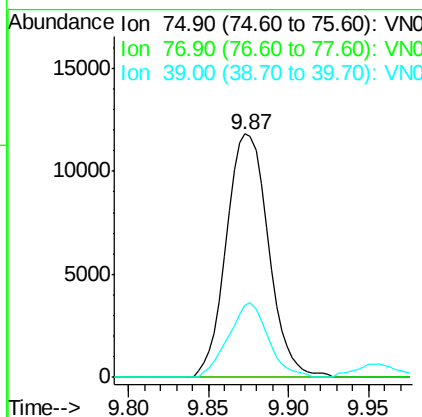
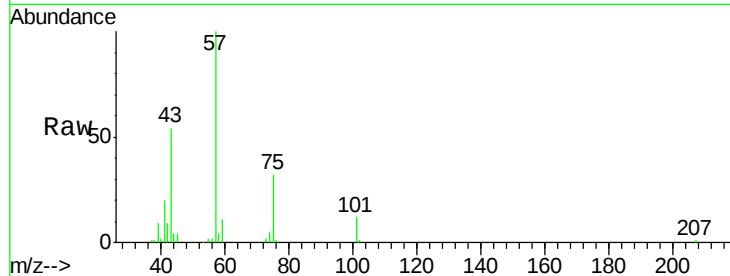




#54
 cis-1,3-Dichloropropene
 Concen: 3.65 ug/l
 RT: 9.87 min Scan# 2519
 Delta R.T. 0.06 min
 Lab File: VN061698.D
 Acq: 8 Jun 2020 16:08

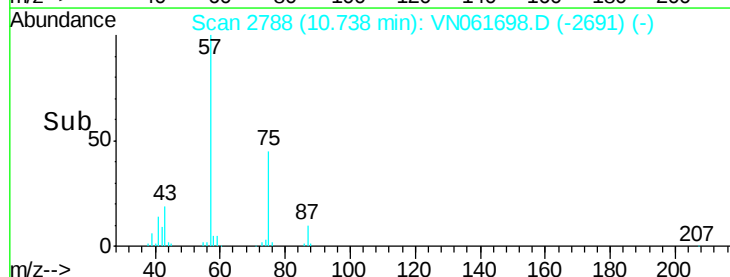
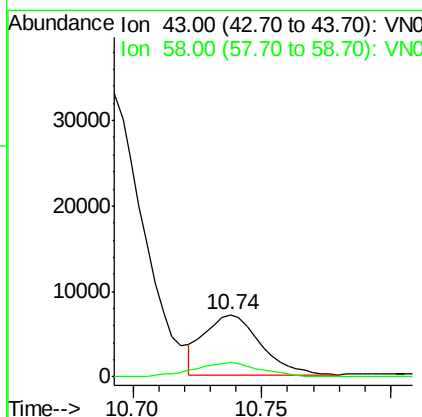
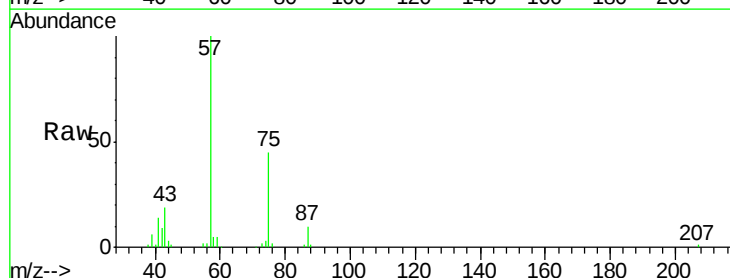
Instrument :
 MSVOA_N
 ClientSampled :
 CHRT-24245

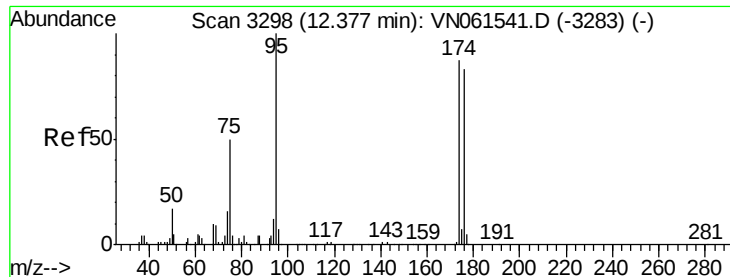
Tgt Ion: 75 Resp: 21242
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#
 39 29.7 33.8 50.6#



#59
 2-Hexanone
 Concen: 3.99 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.01 min
 Lab File: VN061698.D
 Acq: 8 Jun 2020 16:08

Tgt Ion: 43 Resp: 10566
 Ion Ratio Lower Upper
 43 100
 58 28.4 30.7 92.1#

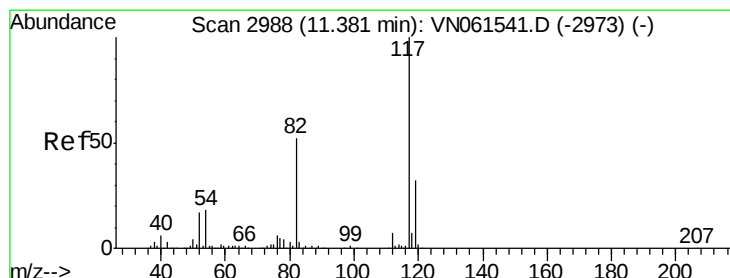
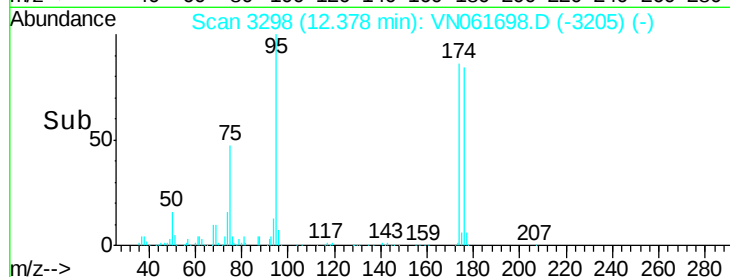
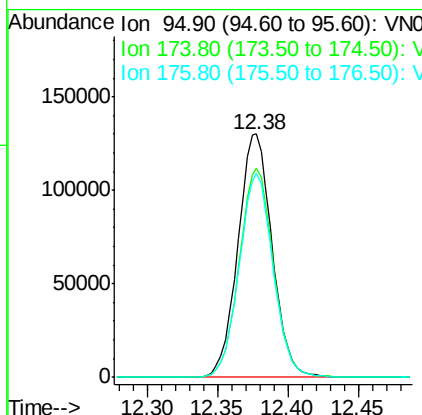
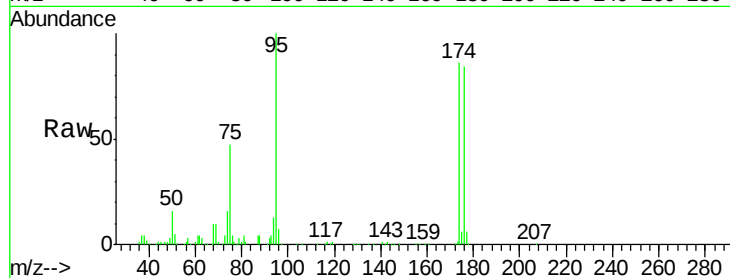




#62
4-Bromofluorobenzene
Concen: 50.45 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061698.D
Acq: 8 Jun 2020 16:08

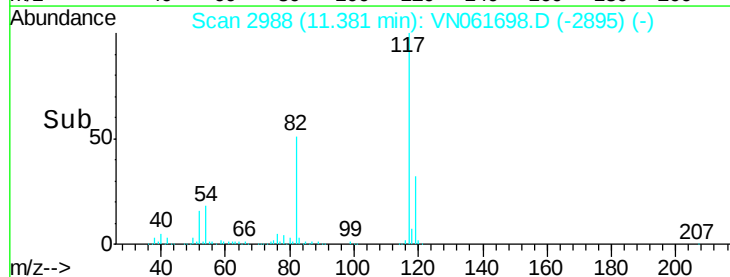
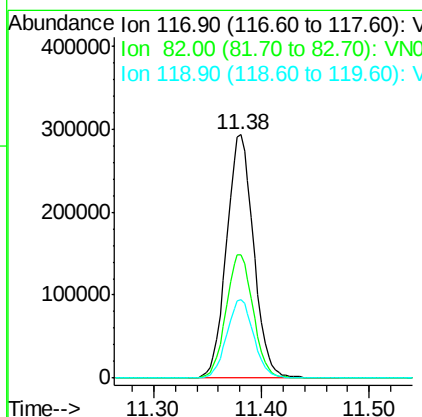
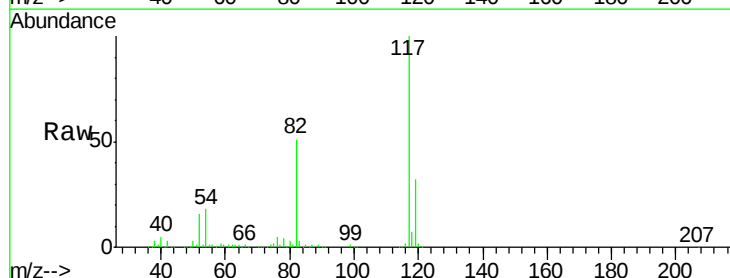
Instrument :
MSVOA_N
ClientSampled :
CHRT-24245

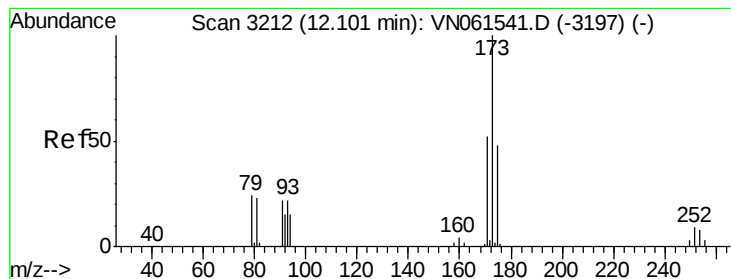
Tgt Ion: 95 Resp: 220461
Ion Ratio Lower Upper
95 100
174 86.1 0.0 172.8
176 83.4 0.0 164.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061698.D
Acq: 8 Jun 2020 16:08

Tgt Ion: 117 Resp: 513348
Ion Ratio Lower Upper
117 100
82 50.7 41.5 62.3
119 32.3 25.6 38.4





#71

Bromoform

Concen: 0.57 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN061698.D

Acq: 8 Jun 2020 16:08

Instrument :

MSVOA_N

ClientSampled :

CHRT-24245

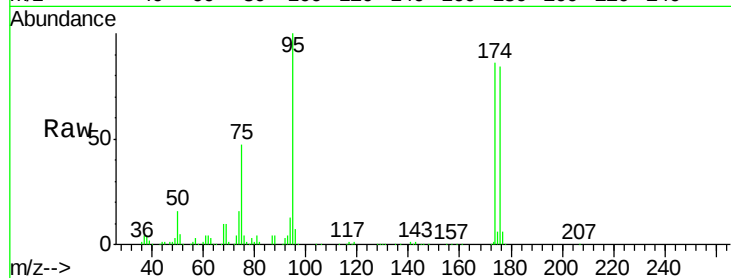
Tgt Ion:173 Resp: 1740

Ion Ratio Lower Upper

173 100

175 663.4 24.4 73.2#

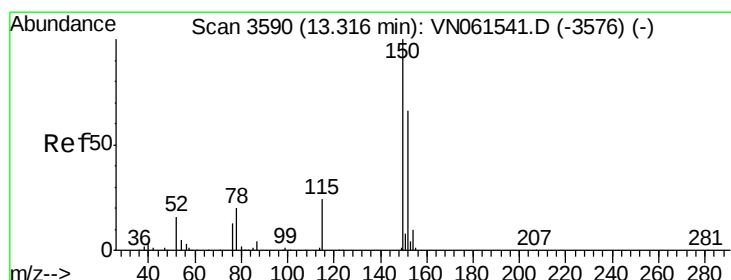
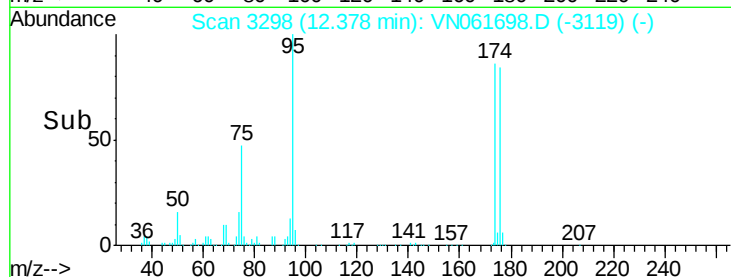
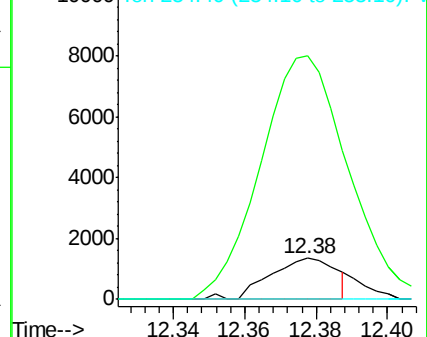
254 0.0 0.0 0.0



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: VN061698.D

Acq: 8 Jun 2020 16:08

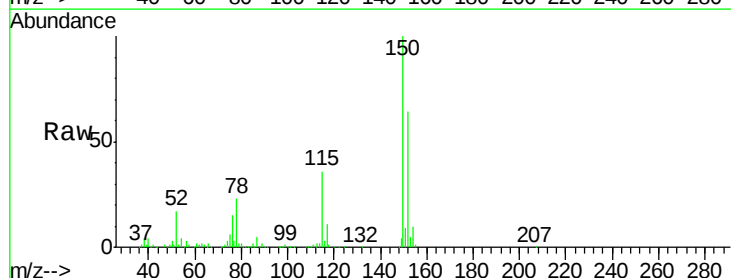
Tgt Ion:152 Resp: 230604

Ion Ratio Lower Upper

152 100

115 56.9 28.0 84.0

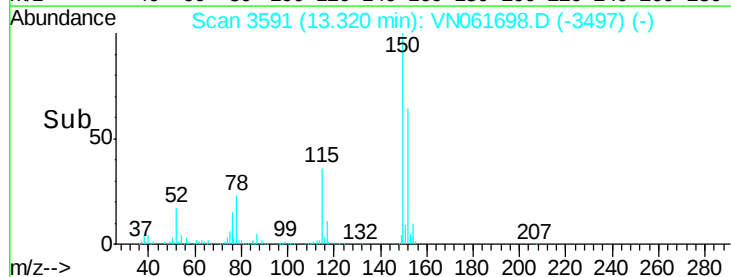
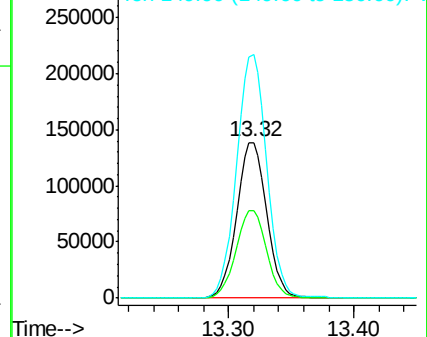
150 157.2 0.0 344.0

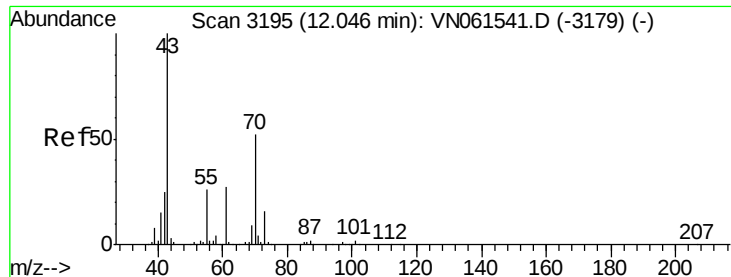


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amyI acetate

Concen: 0.43 ug/l

RT: 12.01 min Scan# 3185

Delta R.T. -0.03 min

Lab File: VN061698.D

Acq: 8 Jun 2020 16:08

Instrument :

MSVOA_N

ClientSampleId :

CHRT-24245

Tgt Ion: 43 Resp: 2287

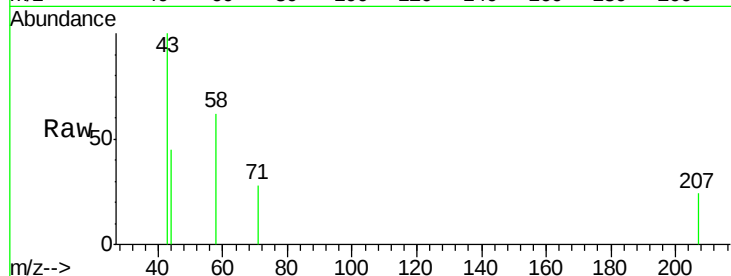
Ion Ratio Lower Upper

43 100

70 0.0 40.5 60.7#

55 2.9 20.6 31.0#

61 0.0 21.8 32.6#

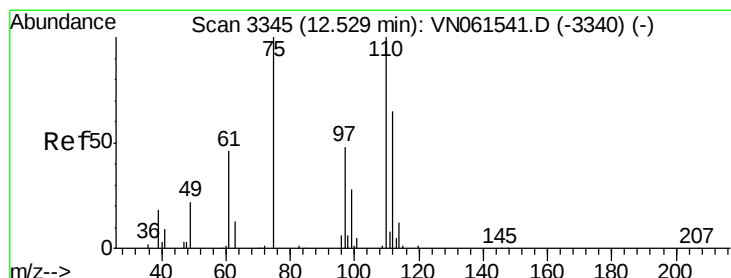
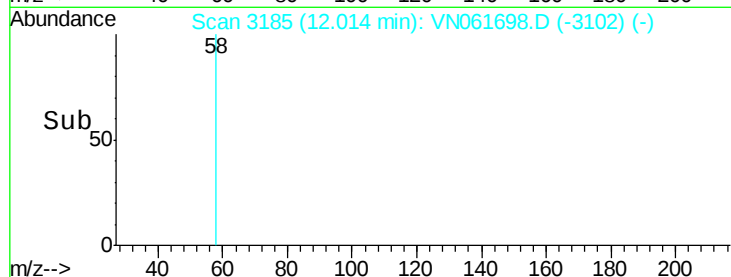
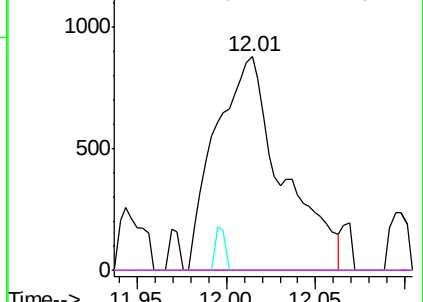


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 24.84 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN061698.D

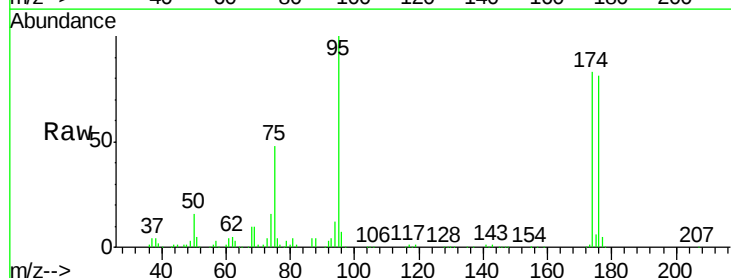
Acq: 8 Jun 2020 16:08

Tgt Ion: 75 Resp: 104152

Ion Ratio Lower Upper

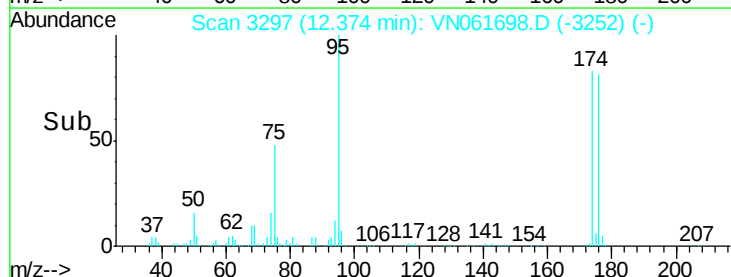
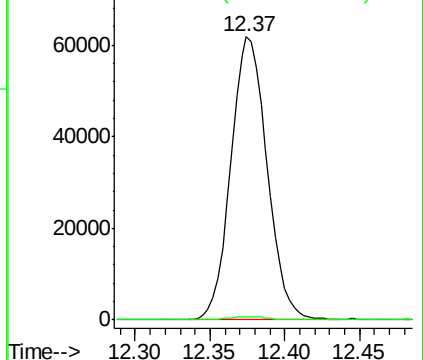
75 100

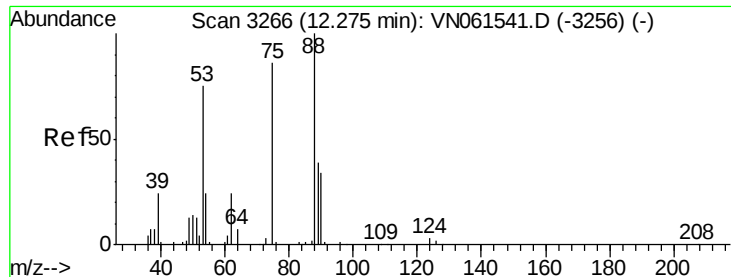
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.52 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. 0.10 min
 Lab File: VN061698.D
 Acq: 8 Jun 2020 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 CHRT-24245

Tgt Ion: 75 Resp: 104152
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.8 101.8#
 89 0.0 37.1 55.7#

