

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072120\
 Data File : VN062583.D
 Acq On : 21 Jul 2020 20:04
 Operator : JC/MD
 Sample : L3352-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HS-01

Quant Time: Jul 22 05:08:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	171194	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	308107	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	297935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	104115	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	136951	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
35) Dibromofluoromethane	7.55	113	99411	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
50) Toluene-d8	10.06	98	404022	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	12.38	95	139299	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	

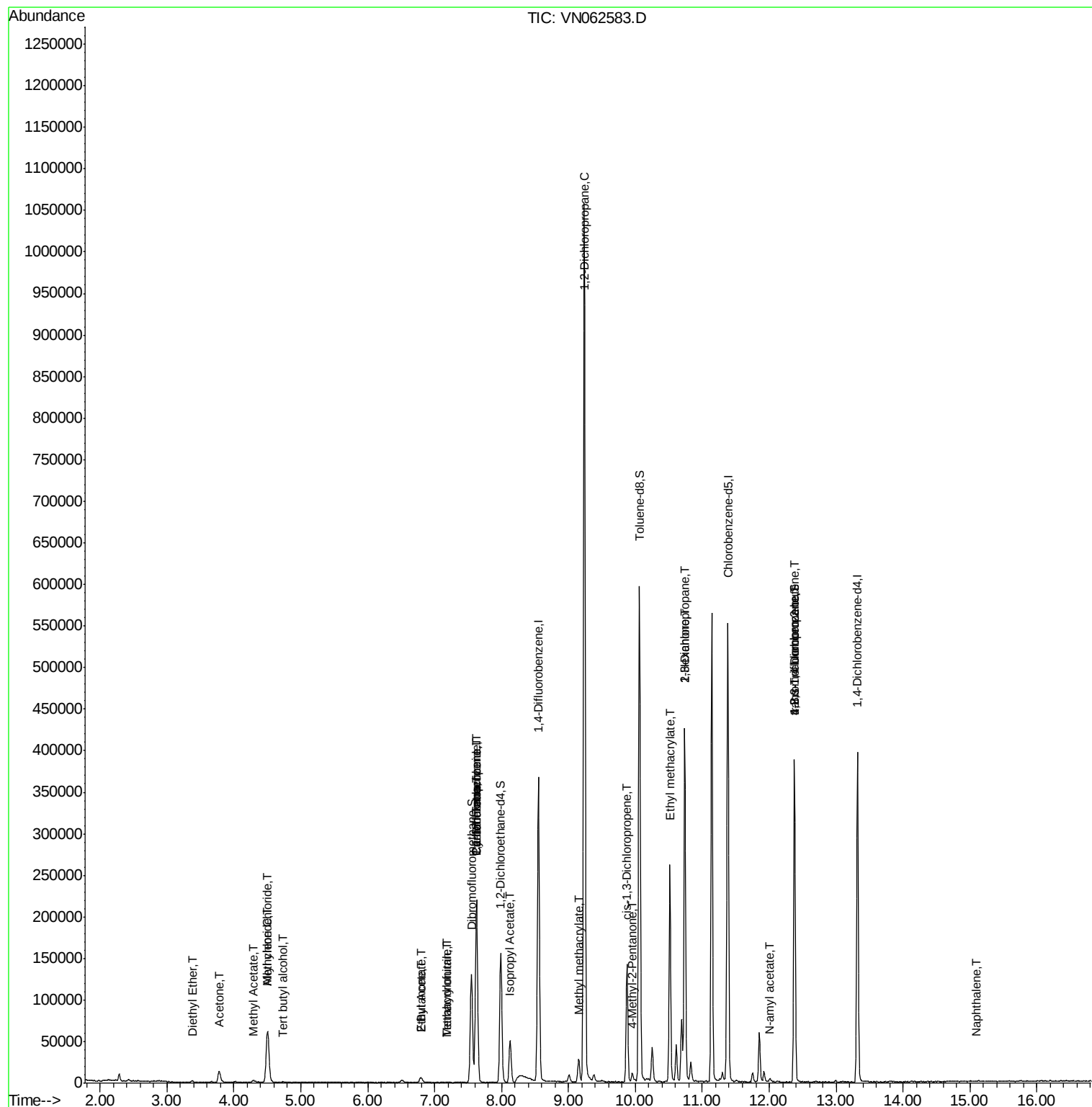
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.38	74	866	0.657	ug/l	93
11) Tert butyl alcohol	4.73	59	1081	2.555	ug/l #	73
14) Allyl chloride	4.50	41	1923	0.485	ug/l #	28
16) Acetone	3.78	43	24224	24.206	ug/l	98
18) Methyl Acetate	4.29	43	4526	1.786	ug/l #	63
20) Methylene Chloride	4.50	84	45272	18.862	ug/l	96
25) 2-Butanone	6.80	43	11177	7.333	ug/l	94
29) Tetrahydrofuran	7.18	42	1029	0.998	ug/l #	38
31) Cyclohexane	7.62	56	4227	1.079	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	15067	4.588	ug/l #	50
37) Ethyl Acetate	6.80	43	11177	3.157	ug/l #	69
38) Carbon Tetrachloride	7.63	117	17764	5.627	ug/l #	17
41) Methacrylonitrile	7.18	41	407	0.268	ug/l #	20
43) Isopropyl Acetate	8.13	43	62495	10.951	ug/l #	91
45) 1,2-Dichloropropane	9.24	63	1080	0.387	ug/l #	44
48) Methyl methacrylate	9.14	41	4239	1.563	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	7859	2.302	ug/l	91
54) cis-1,3-Dichloropropene	9.88	75	23832	5.708	ug/l #	64
56) Ethyl methacrylate	10.52	69	1242	2.067	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	3727	0.908	ug/l #	42
59) 2-Hexanone	10.74	43	66639	27.895	ug/l #	58
74) N-amyl acetate	12.01	43	3328	0.905	ug/l #	50
76) 1,2,3-Trichloropropane	12.38	75	73842	27.864	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	73842	77.567	ug/l #	12
95) Naphthalene	15.10	128	100	3.781	ug/l #	69

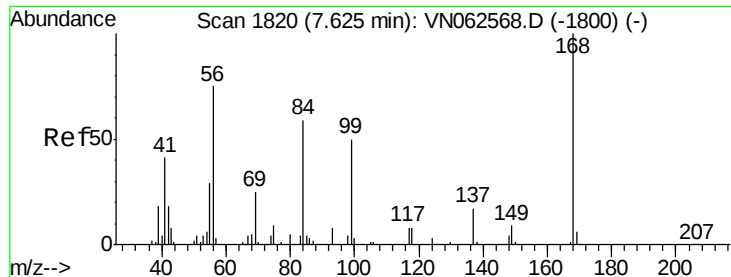
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072120\
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Quant Time: Jul 22 05:08:33 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062583.D

Acq: 21 Jul 2020 20:04

Instrument :

MSVOA_N

ClientSampled :

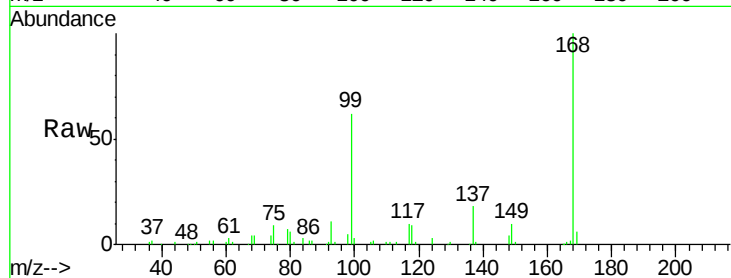
HS-01

Tot Ion:168 Resp: 171194

Ion Ratio Lower Upper

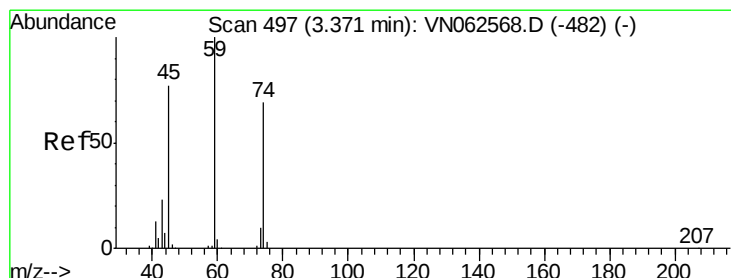
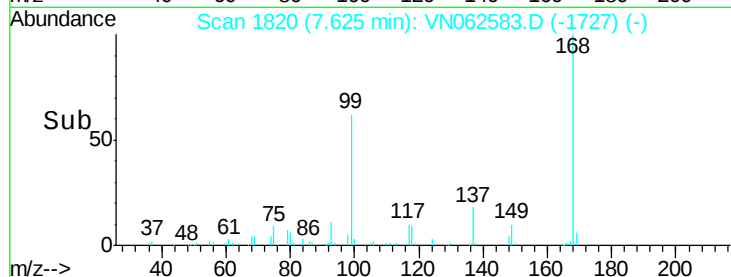
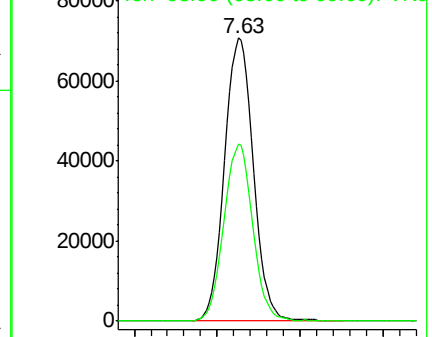
168 100

99 62.5 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#8

Diethyl Ether

Concen: 0.657 ug/l

RT: 3.38 min Scan# 499

Delta R.T. 0.01 min

Lab File: VN062583.D

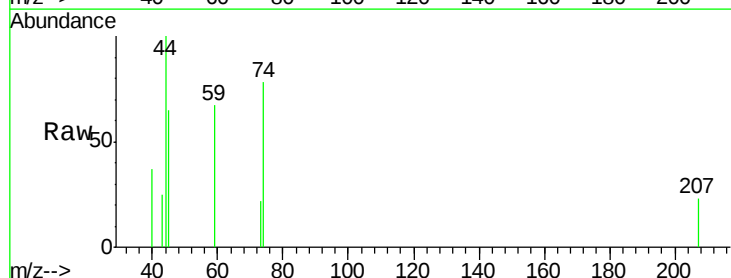
Acq: 21 Jul 2020 20:04

Tgt Ion: 74 Resp: 866

Ion Ratio Lower Upper

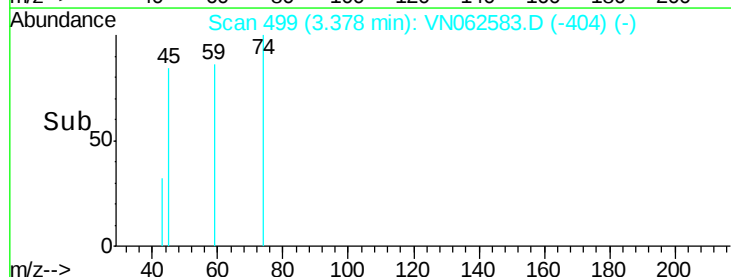
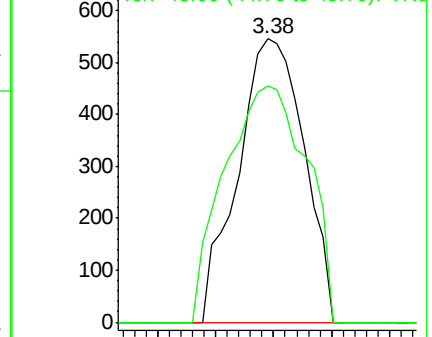
74 100

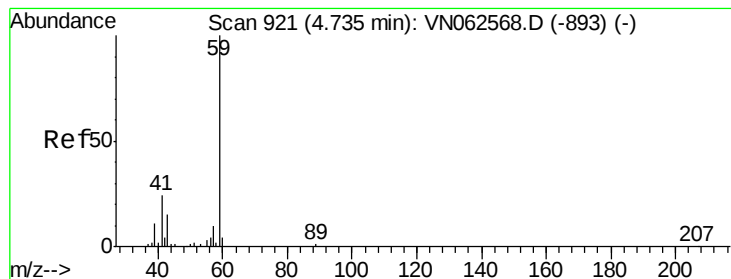
45 103.6 55.3 165.8



Abundance Ion 74.00 (73.70 to 74.70): VN

Ion 45.00 (44.70 to 45.70): VN



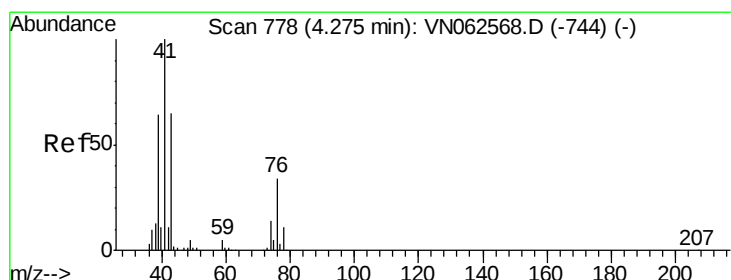
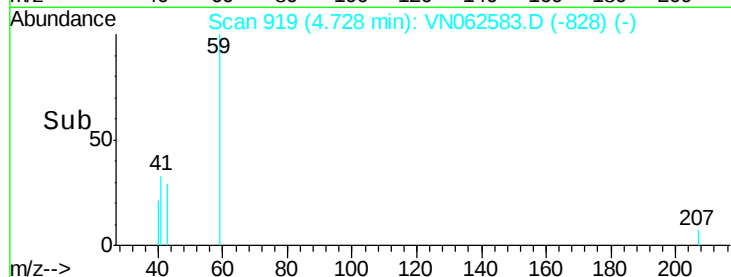
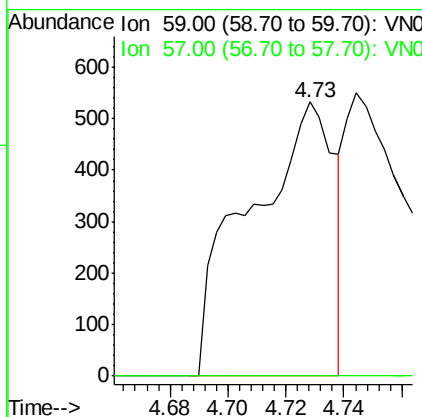
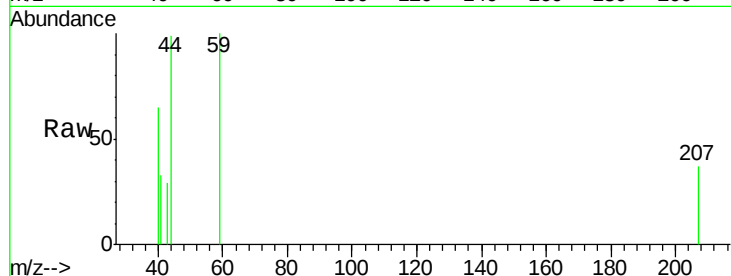


#11

Tert butyl alcohol
 Concen: 2.555 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VN062583.D
 Acq: 21 Jul 2020 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 HS-01

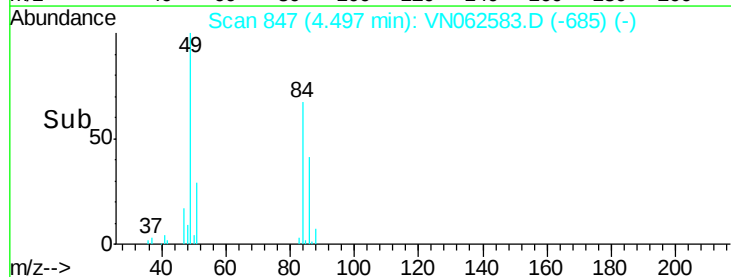
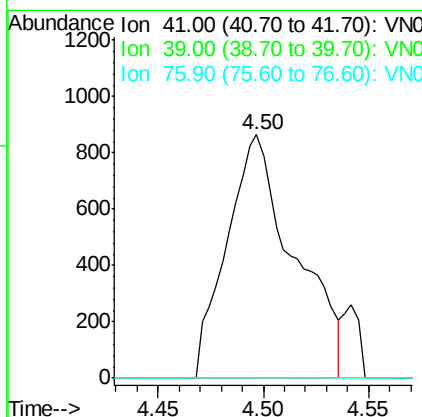
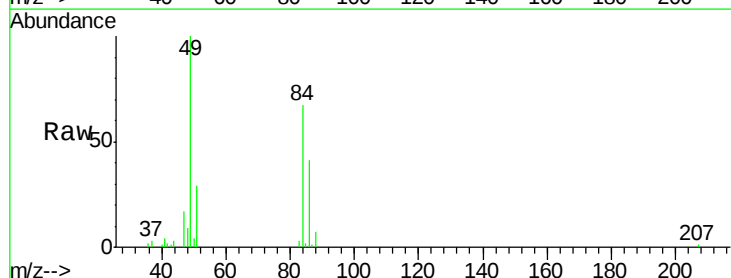
Tot Ion: 59 Resp: 1081
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

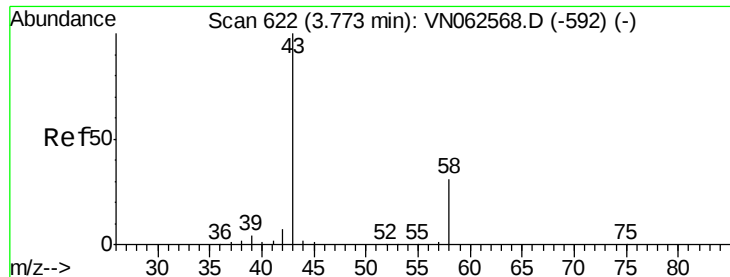


#14

Allyl chloride
 Concen: 0.485 ug/l
 RT: 4.50 min Scan# 847
 Delta R.T. 0.22 min
 Lab File: VN062583.D
 Acq: 21 Jul 2020 20:04

Tgt Ion: 41 Resp: 1923
 Ion Ratio Lower Upper
 41 100
 39 0.0 49.0 73.4#
 76 0.0 24.0 36.0#





#16

Acetone

Concen: 24.206 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062583.D

Acq: 21 Jul 2020 20:04

Instrument :

MSVOA_N

ClientSampleId :

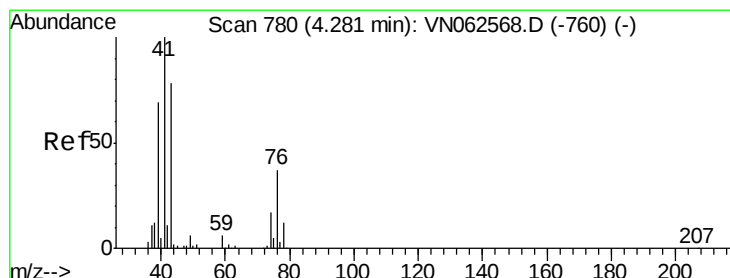
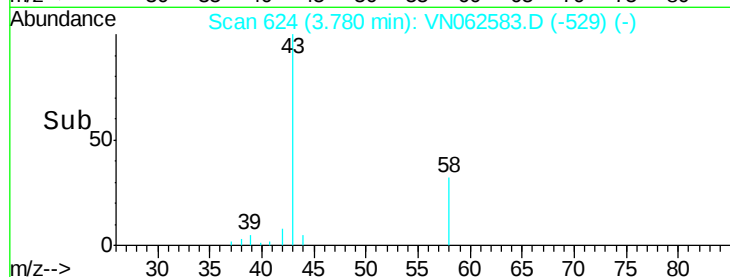
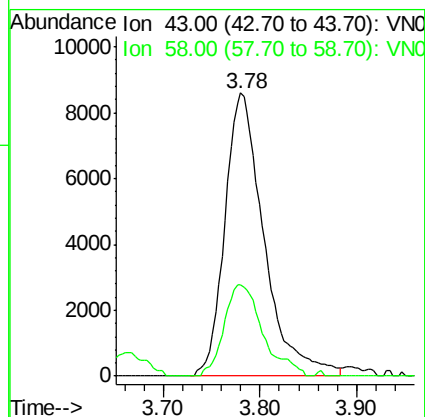
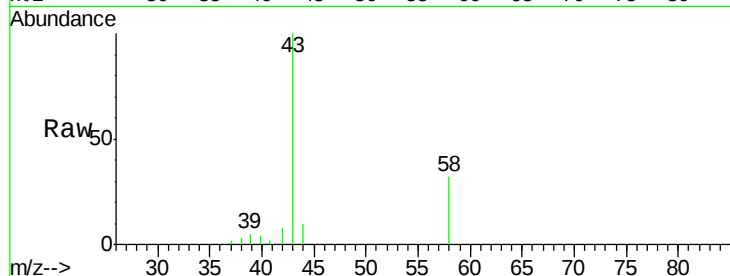
HS-01

Tot Ion: 43 Resp: 24224

Ion Ratio Lower Upper

43 100

58 32.1 24.6 37.0



#18

Methyl Acetate

Concen: 1.786 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.01 min

Lab File: VN062583.D

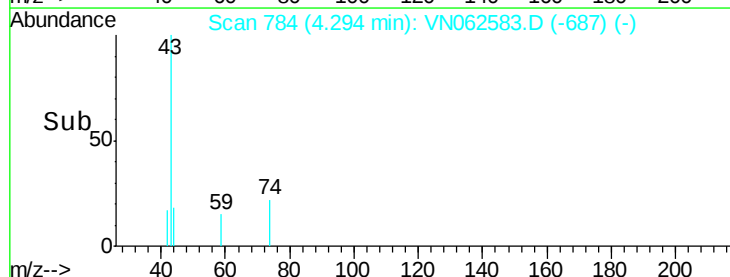
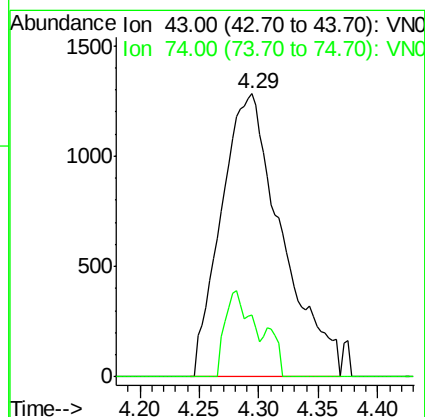
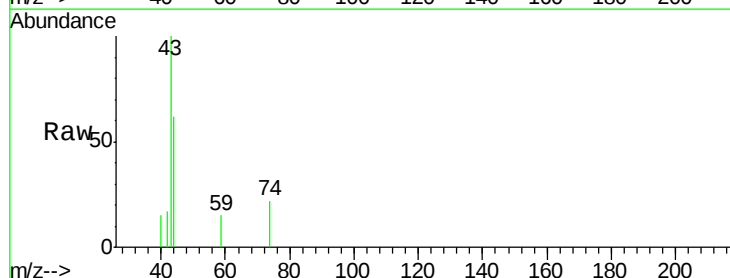
Acq: 21 Jul 2020 20:04

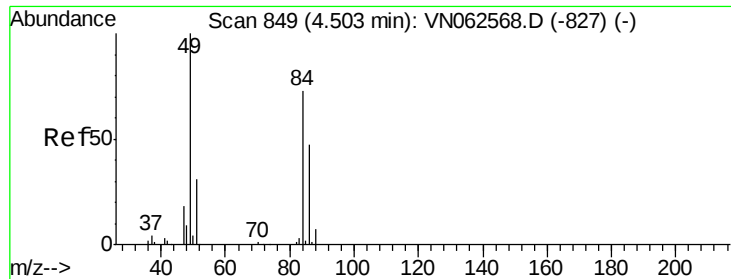
Tgt Ion: 43 Resp: 4526

Ion Ratio Lower Upper

43 100

74 3.4 16.6 24.8#



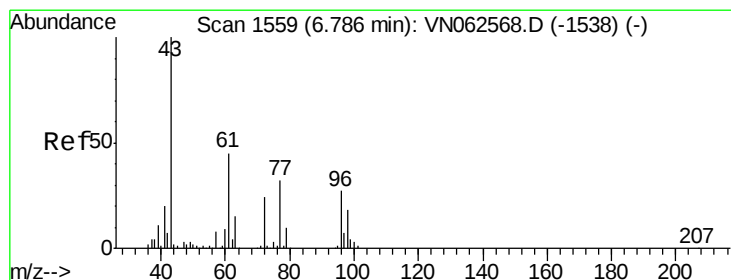
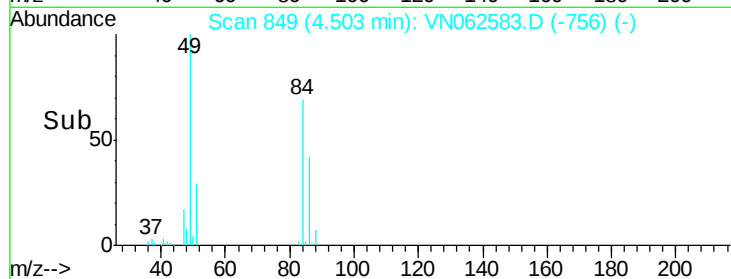
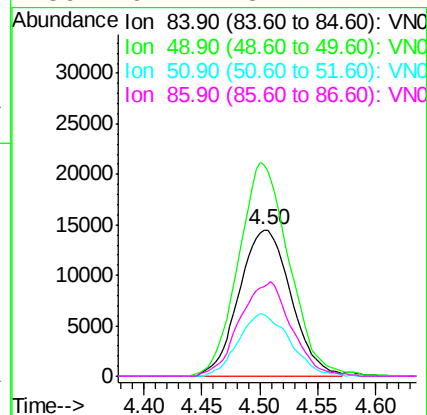
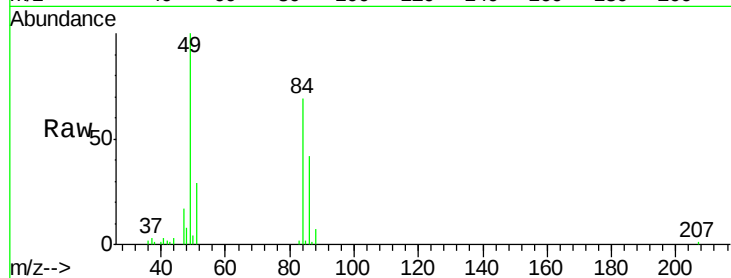


#20
Methvlene Chloride
Concen: 18.862 ug/l
RT: 4.50 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN062583.D
Acq: 21 Jul 2020 20:04

Instrument :
MSVOA_N
ClientSampled :
HS-01

Tot Ion: 84 Resp: 45272

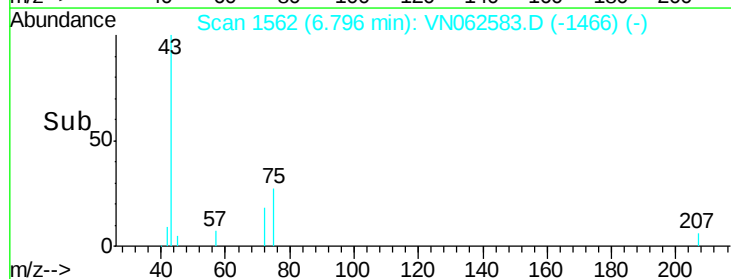
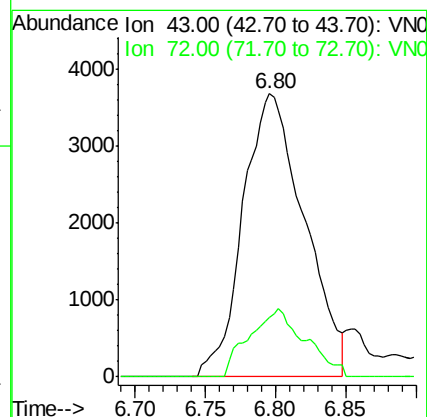
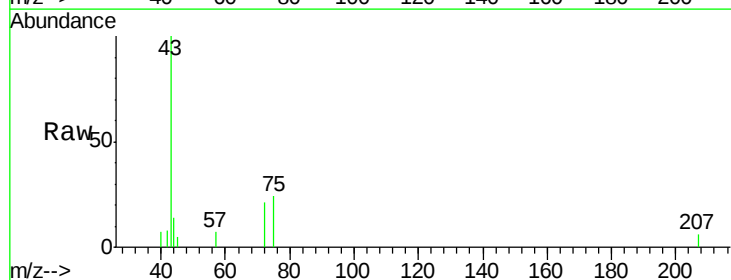
Ion	Ratio	Lower	Upper
84	100		
49	143.5	109.4	164.0
51	42.4	33.6	50.4
86	61.2	51.4	77.2

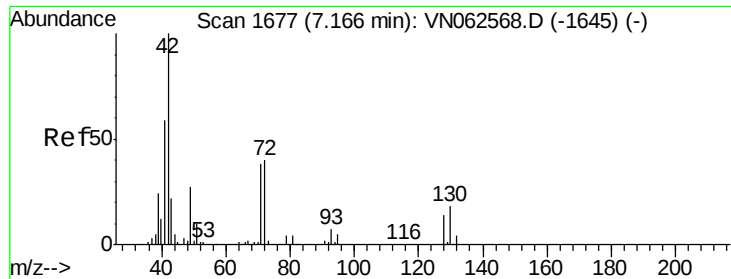


#25
2-Butanone
Concen: 7.333 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VN062583.D
Acq: 21 Jul 2020 20:04

Tgt Ion: 43 Resp: 11177

Ion	Ratio	Lower	Upper
43	100		
72	20.9	19.0	28.6





#29

Tetrahydrofuran

Concen: 0.998 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.01 min

Lab File: VN062583.D

Acq: 21 Jul 2020 20:04

Instrument :

MSVOA_N

ClientSampled :

HS-01

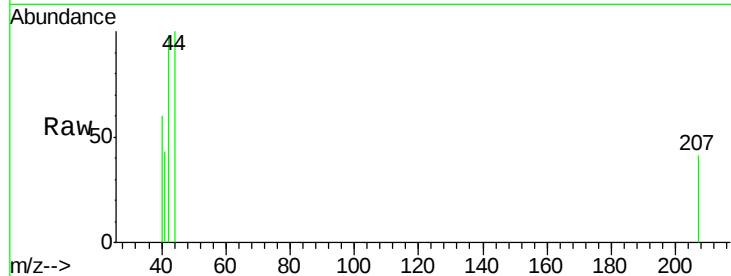
Tot Ion: 42 Resp: 1029

Ion Ratio Lower Upper

42 100

72 0.0 30.7 46.1#

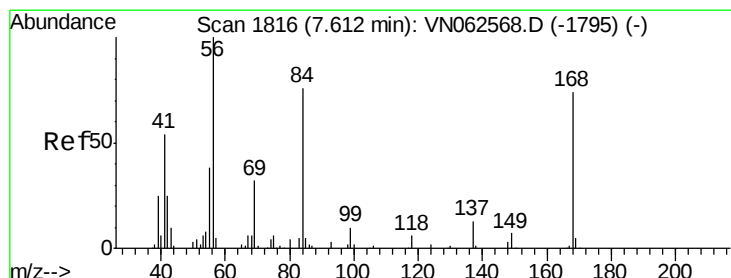
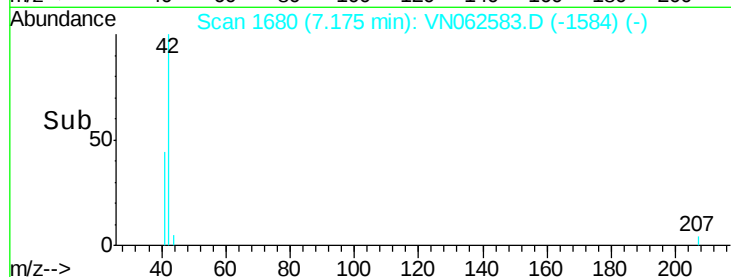
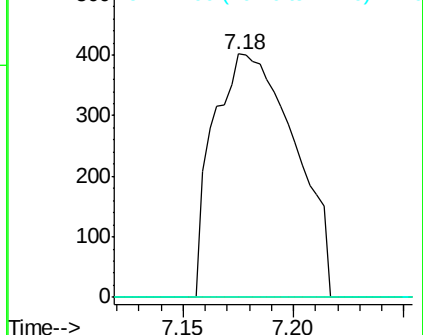
71 0.0 29.1 43.7#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.079 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. 0.01 min

Lab File: VN062583.D

Acq: 21 Jul 2020 20:04

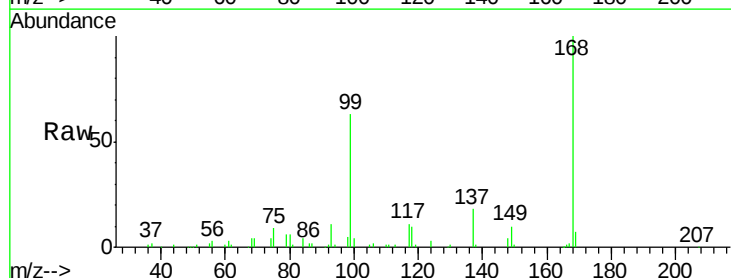
Tgt Ion: 56 Resp: 4227

Ion Ratio Lower Upper

56 100

69 175.9 25.3 37.9#

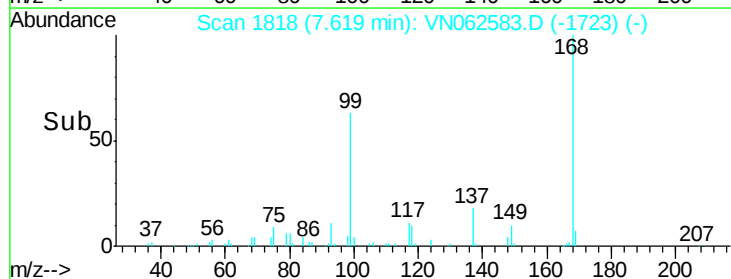
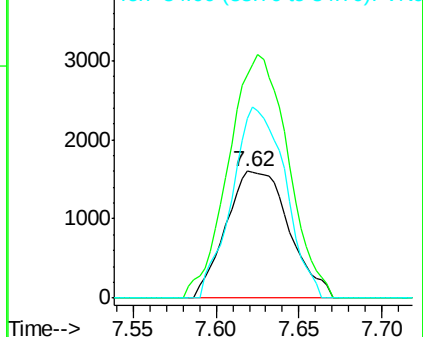
84 142.0 61.0 91.4#

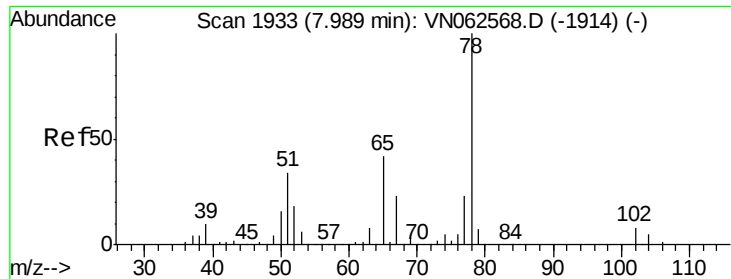


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

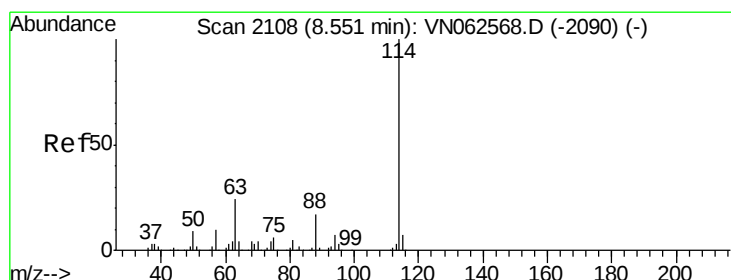
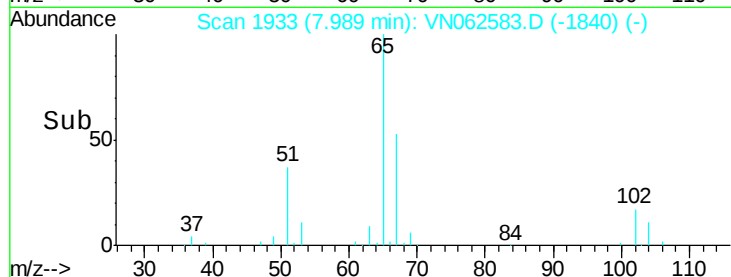
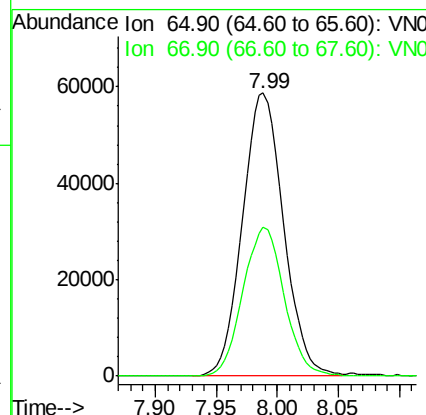
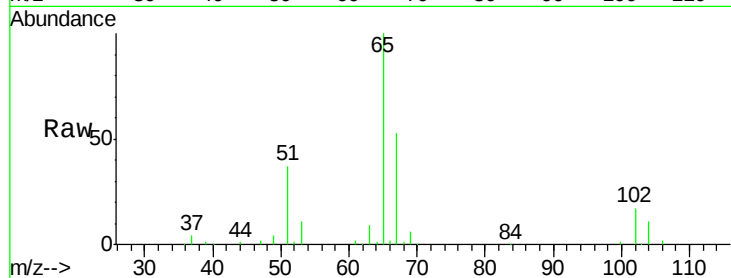




#33
 1,2-Dichloroethane-d4
 Concen: 51.497 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062583.D
 Acq: 21 Jul 2020 20:04

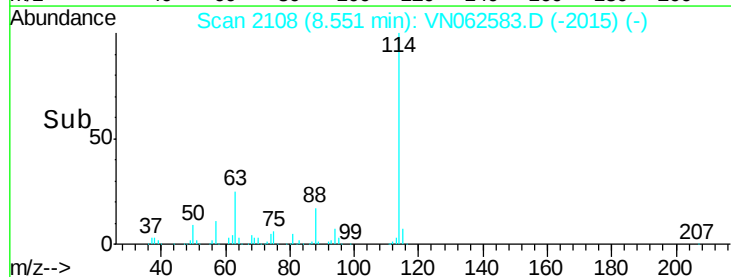
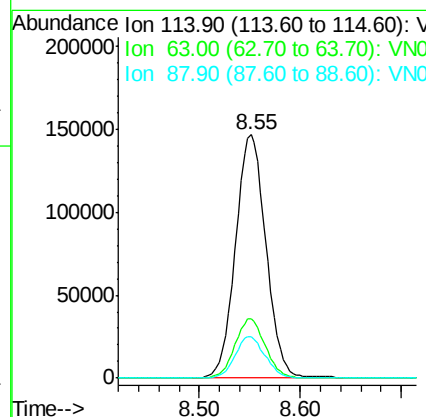
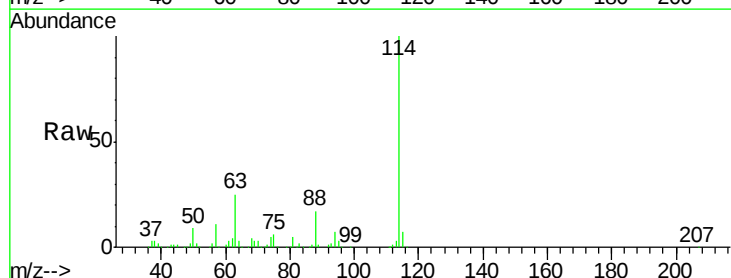
Instrument :
 MSVOA_N
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 HS-01

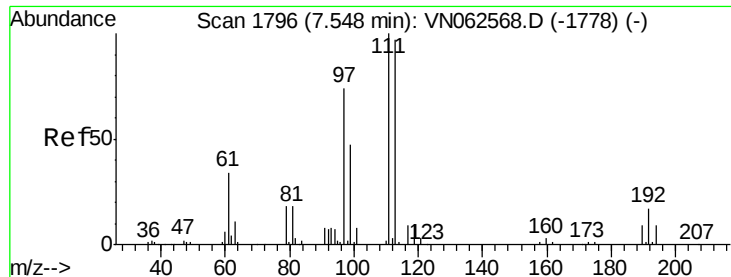
Tot Ion: 65 Resp: 136951
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062583.D
 Acq: 21 Jul 2020 20:04

Tgt Ion: 114 Resp: 308107
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 48.4
 88 17.2 0.0 33.8

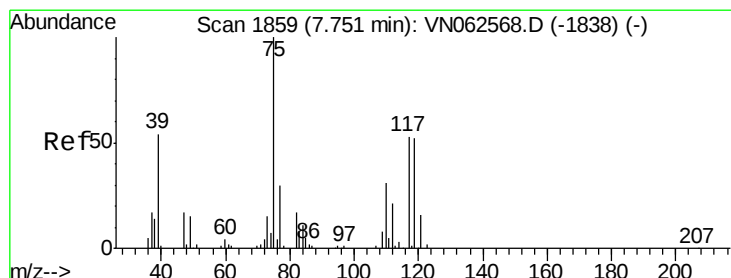
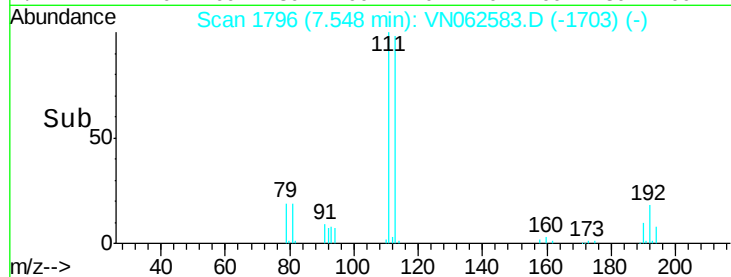
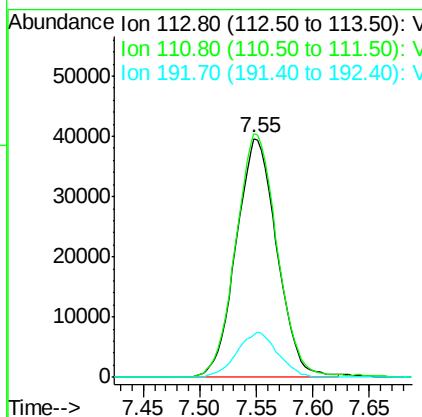
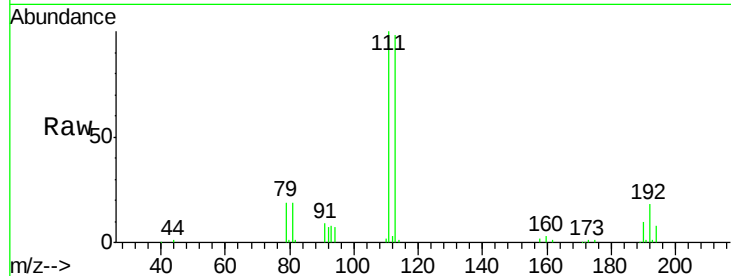




#35
 Dibromofluoromethane
 Concen: 49.120 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062583.D
 Acq: 21 Jul 2020 20:04

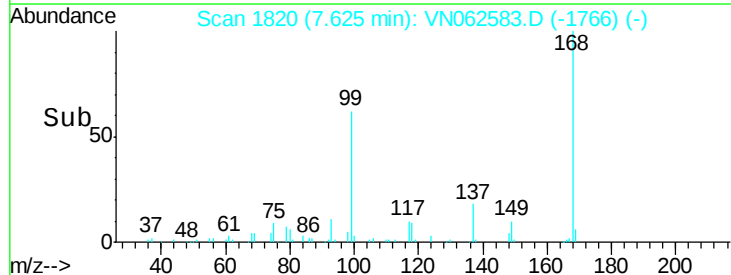
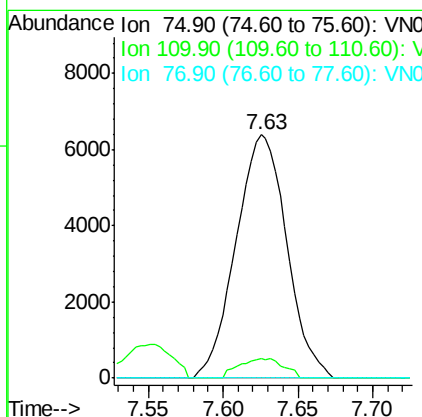
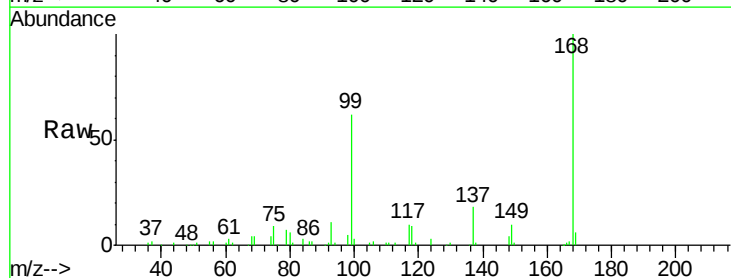
Instrument :
 MSVOA_N
 ClientSampled :
 HS-01

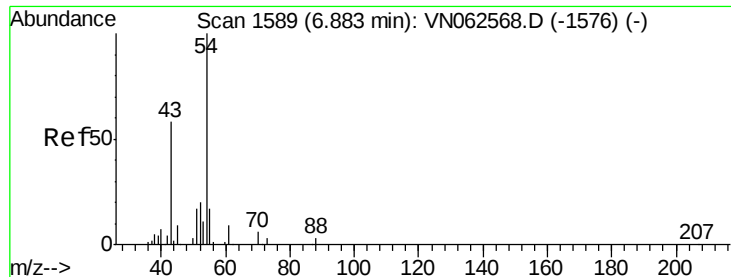
Tot Ion:113 Resp: 99411
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.7 124.1
 192 18.8 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 4.588 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062583.D
 Acq: 21 Jul 2020 20:04

Tgt Ion: 75 Resp: 15067
 Ion Ratio Lower Upper
 75 100
 110 7.0 16.0 48.0#
 77 0.0 24.6 36.8#

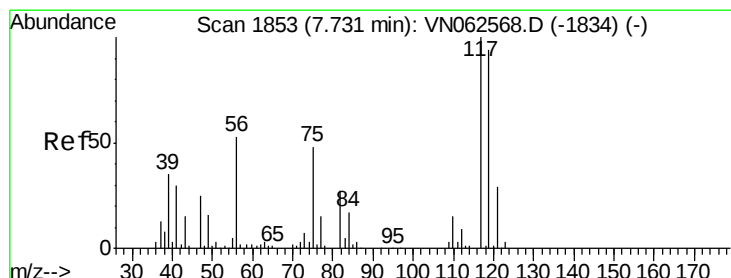
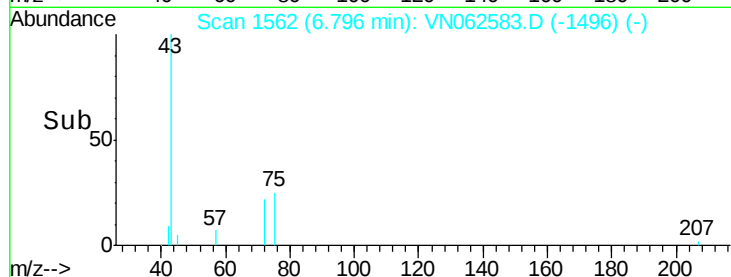
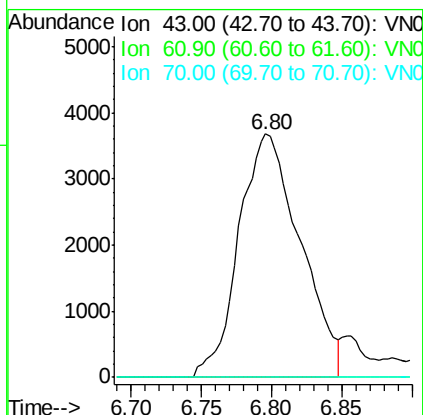
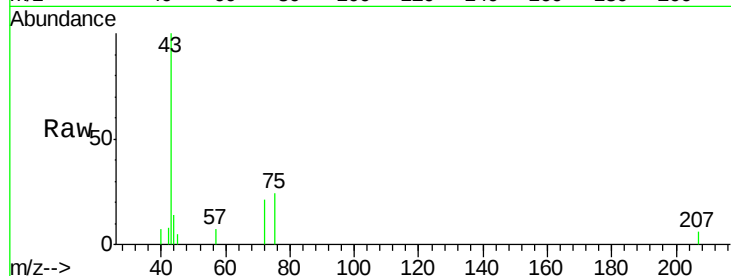




#37
Ethyl Acetate
Concen: 3.157 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.09 min
Lab File: VN062583.D
Acq: 21 Jul 2020 20:04

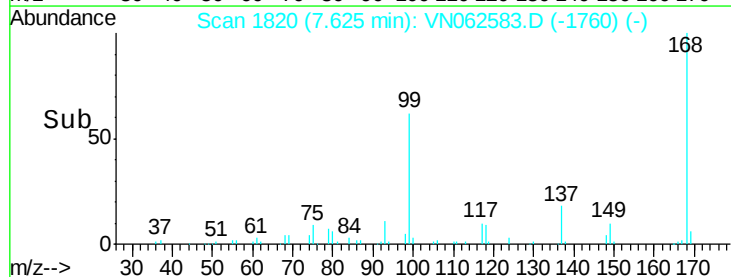
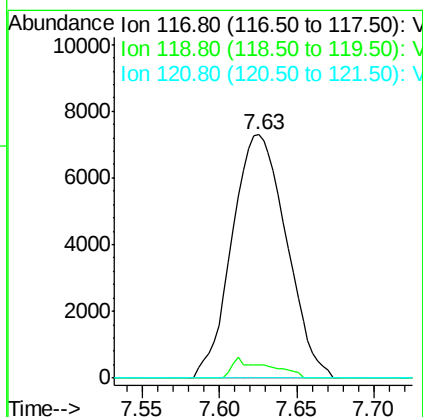
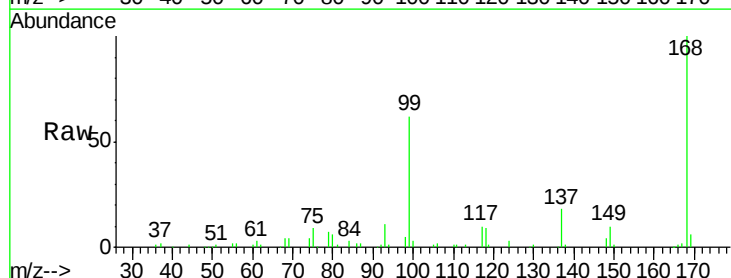
Instrument :
MSVOA_N
ClientSampleId :
HS-01

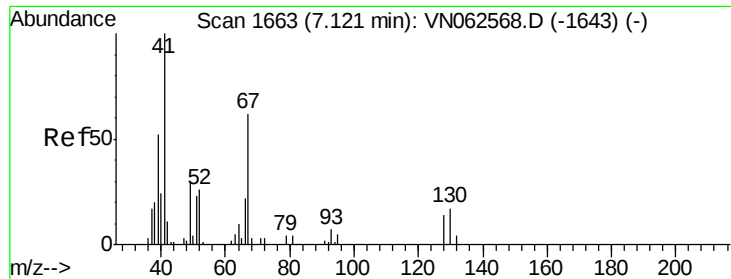
Tot Ion: 43 Resp: 11177
Ion Ratio Lower Upper
43 100
61 0.0 11.3 16.9#
70 0.0 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 5.627 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN062583.D
Acq: 21 Jul 2020 20:04

Tgt Ion: 117 Resp: 17764
Ion Ratio Lower Upper
117 100
119 5.5 74.8 112.2#
121 0.0 23.0 34.6#

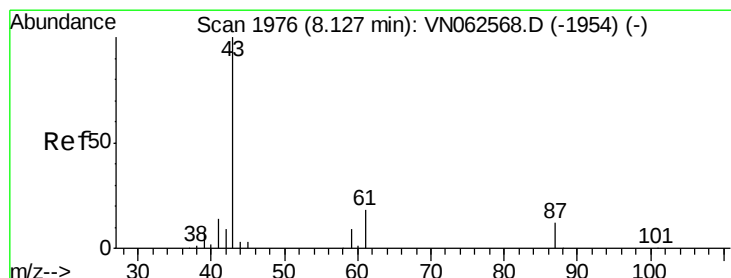
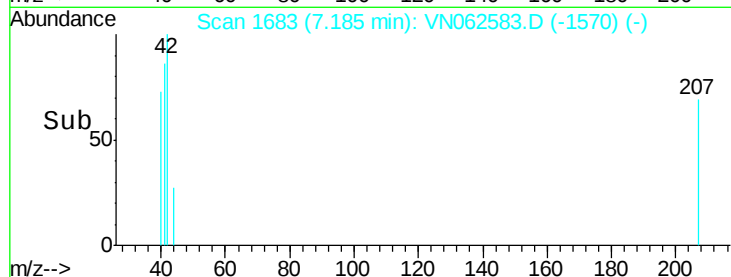
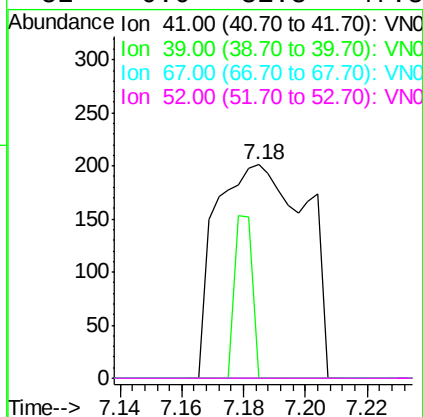
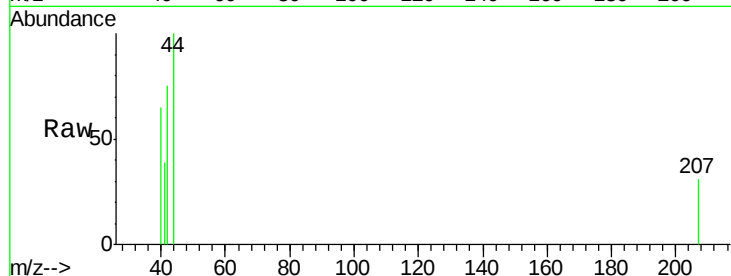




#41
Methacrylonitrile
Concen: 0.268 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.06 min
Lab File: VN062583.D
Acq: 21 Jul 2020 20:04

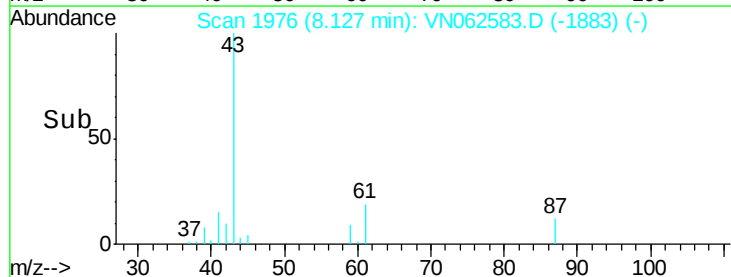
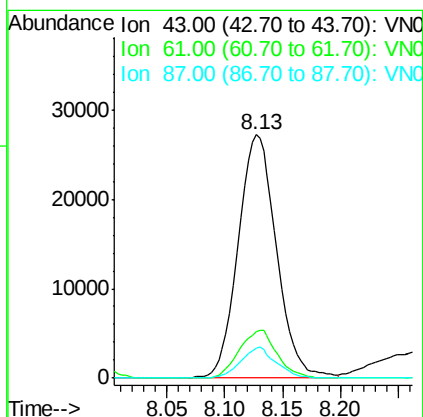
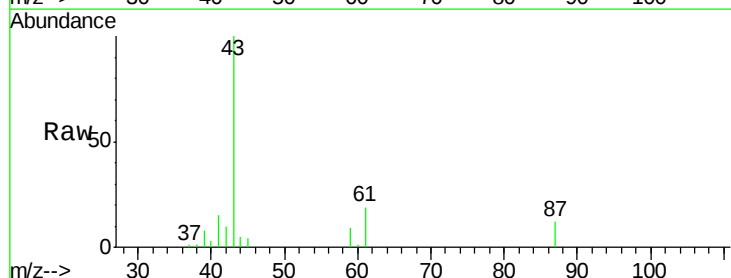
Instrument :
MSVOA_N
ClientSampled :
HS-01

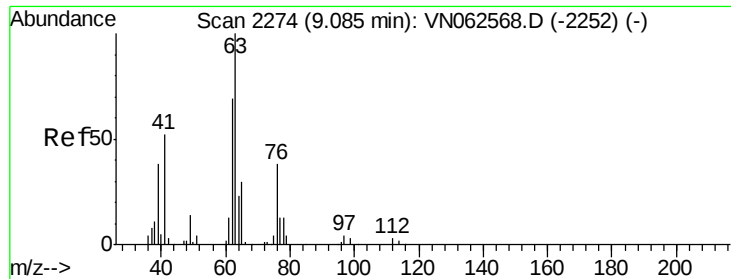
Tot Ion: 41 Resp: 407
Ion Ratio Lower Upper
41 100
39 14.5 55.8 83.6#
67 0.0 72.5 108.7#
52 0.0 31.8 47.8#



#43
Isopropyl Acetate
Concen: 10.951 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062583.D
Acq: 21 Jul 2020 20:04

Tgt Ion: 43 Resp: 62495
Ion Ratio Lower Upper
43 100
61 19.4 20.8 31.2#
87 11.5 9.2 13.8





#45

1,2-Dichloropropane

Concen: 0.387 ug/l

RT: 9.24 min Scan# 2321

Delta R.T. 0.15 min

Lab File: VN062583.D

Acq: 21 Jul 2020 20:04

Instrument :

MSVOA_N

ClientSampleId :

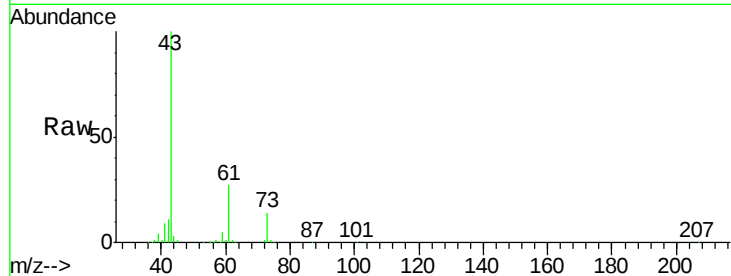
HS-01

Tot Ion: 63 Resp: 1080

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.24

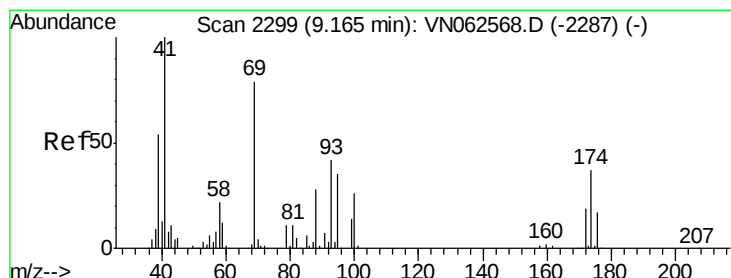
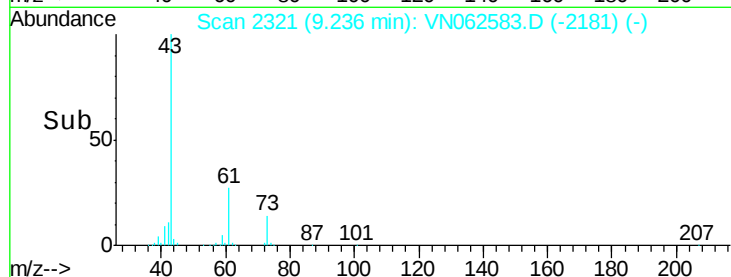
600

400

200

0

Time-->



#48

Methyl methacrylate

Concen: 1.563 ug/l

RT: 9.14 min Scan# 2292

Delta R.T. -0.02 min

Lab File: VN062583.D

Acq: 21 Jul 2020 20:04

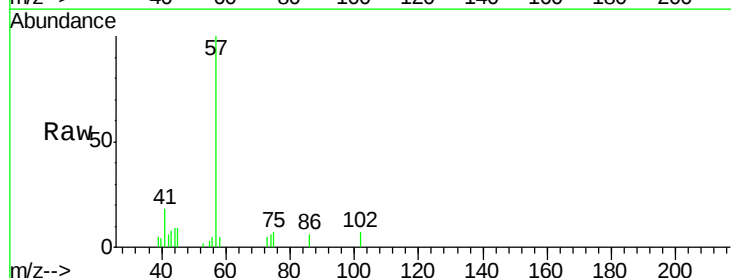
Tgt Ion: 41 Resp: 4239

Ion Ratio Lower Upper

41 100

69 0.0 64.4 96.6#

39 0.0 43.5 65.3#



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

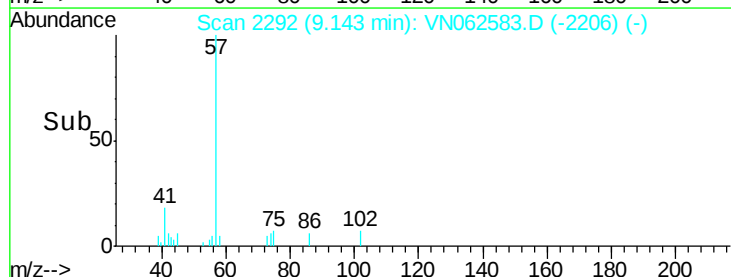
60000

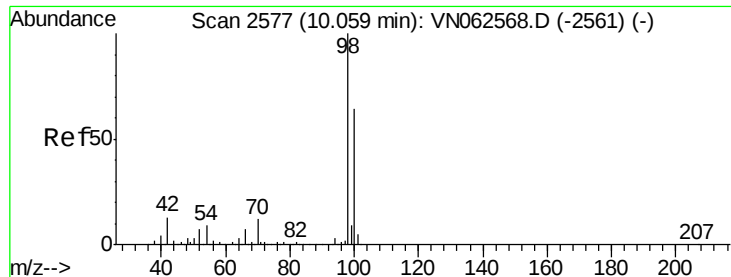
40000

20000

0

Time-->





#50

Toluene-d8

Concen: 50.034 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062583.D

Acq: 21 Jul 2020 20:04

Instrument :

MSVOA_N

ClientSampled :

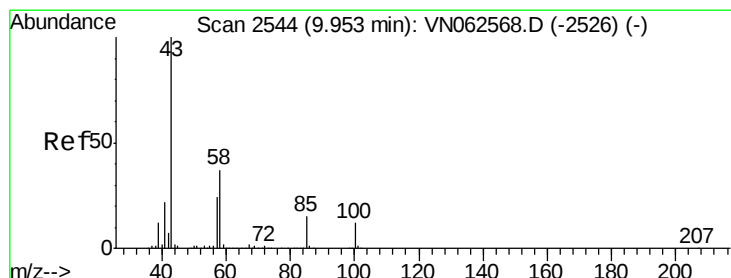
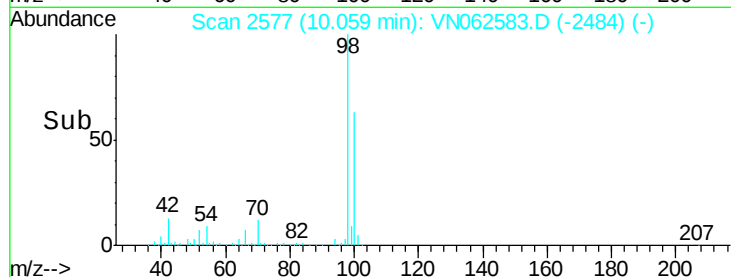
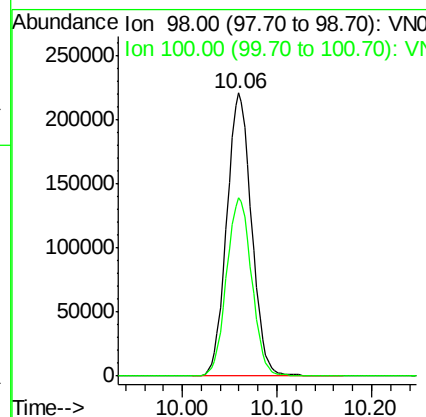
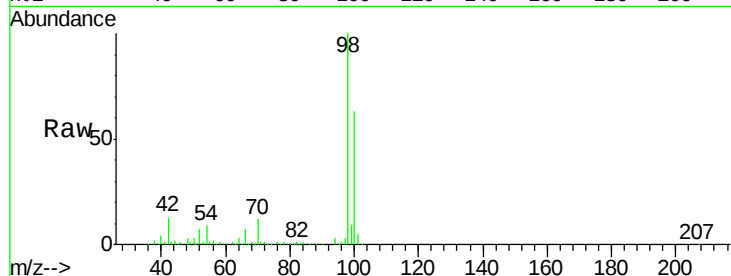
HS-01

Tot Ion: 98 Resp: 404022

Ion Ratio Lower Upper

98 100

100 63.9 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 2.302 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062583.D

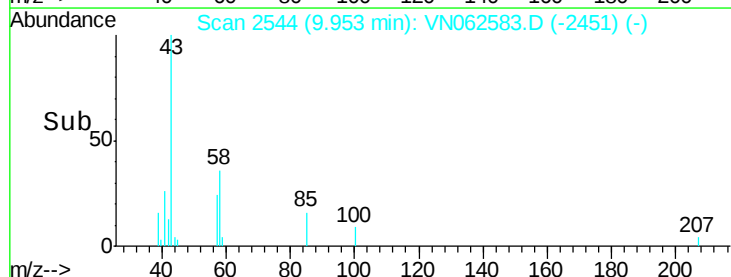
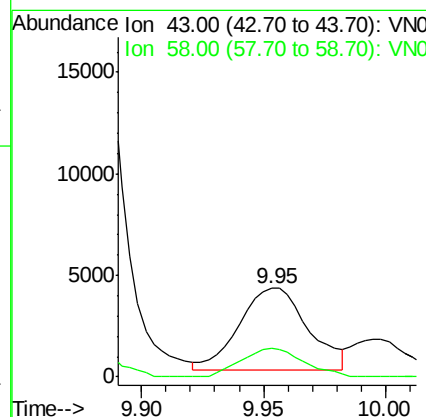
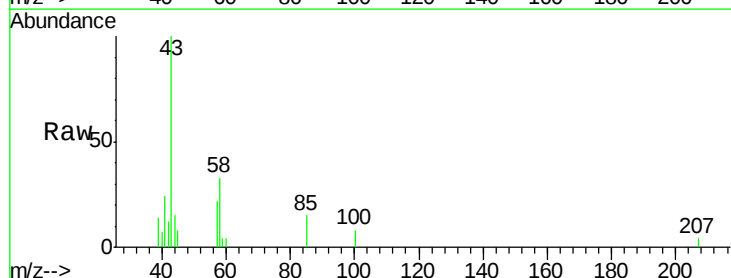
Acq: 21 Jul 2020 20:04

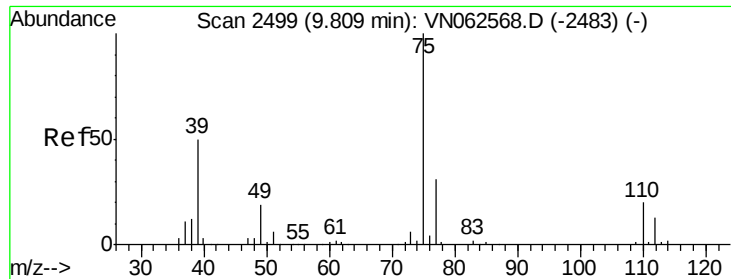
Tgt Ion: 43 Resp: 7859

Ion Ratio Lower Upper

43 100

58 32.0 29.8 44.6

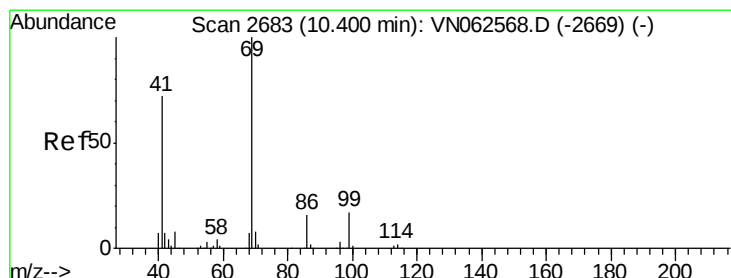
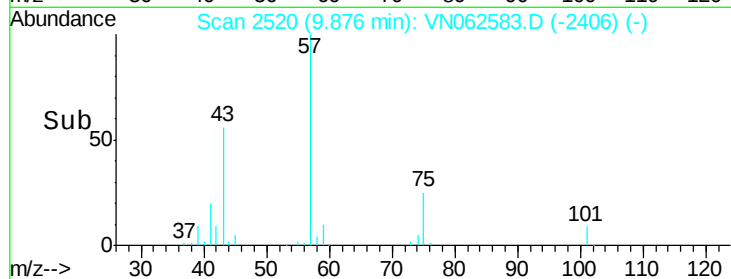
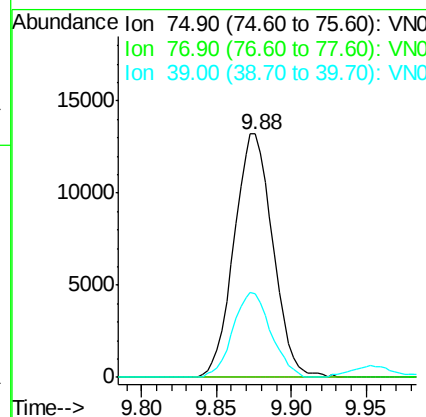
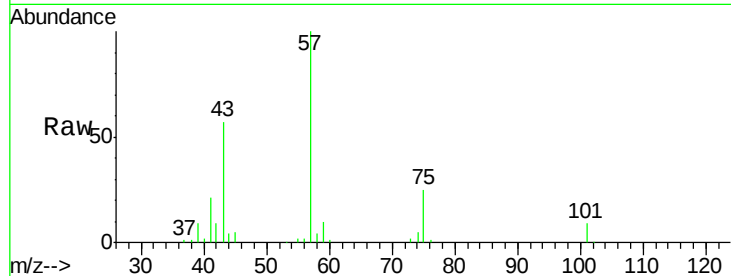




#54
 cis-1,3-Dichloropropene
 Concen: 5.708 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN062583.D
 Acq: 21 Jul 2020 20:04

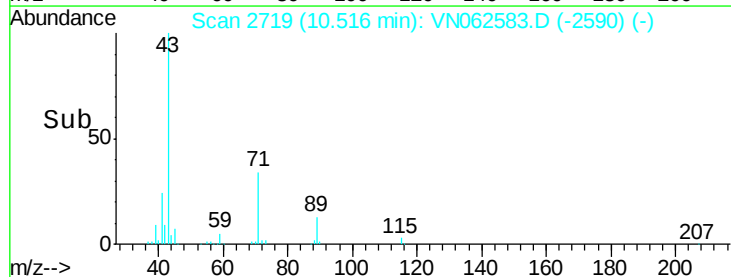
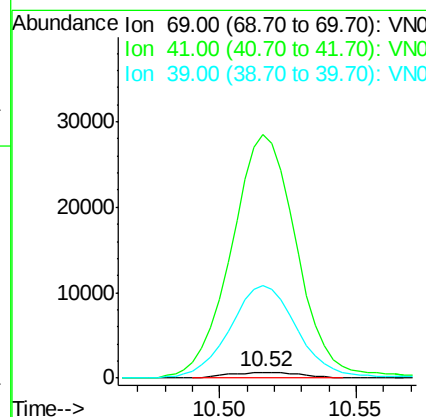
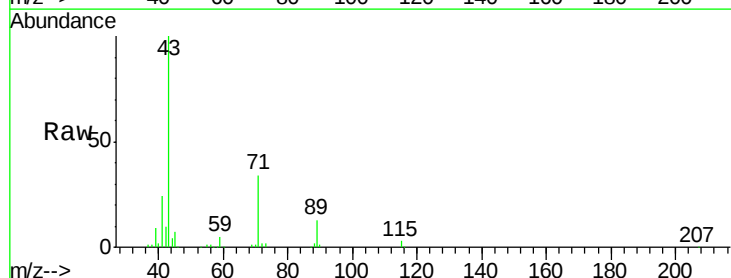
Instrument :
 MSVOA_N
 ClientSampleId :
 HS-01

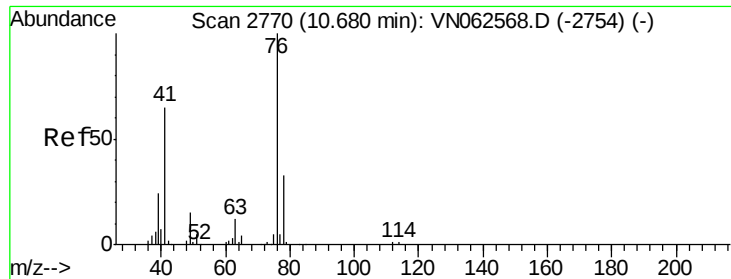
Tot Ion: 75 Resp: 23832
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 34.3 39.8 59.8#



#56
 Ethyl methacrylate
 Concen: 2.067 ug/l
 RT: 10.52 min Scan# 2719
 Delta R.T. 0.12 min
 Lab File: VN062583.D
 Acq: 21 Jul 2020 20:04

Tgt Ion: 69 Resp: 1242
 Ion Ratio Lower Upper
 69 100
 41 3829.9 57.2 85.8#
 39 1512.9 28.6 43.0#

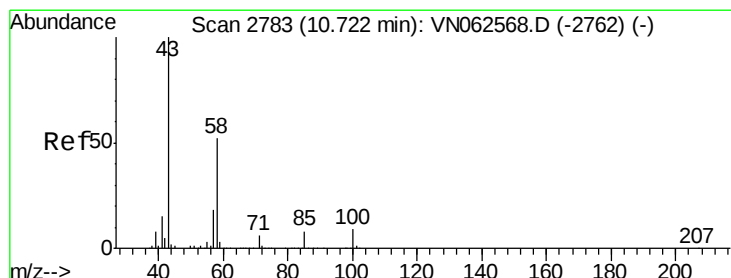
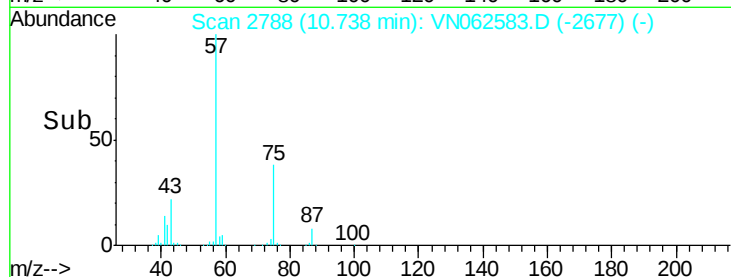
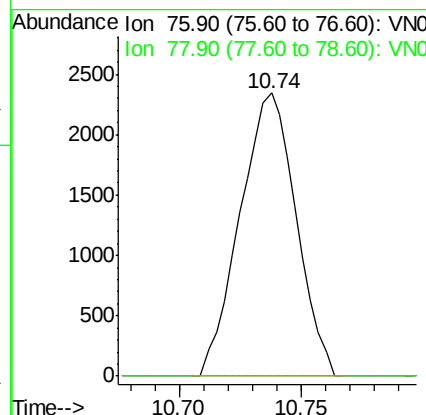
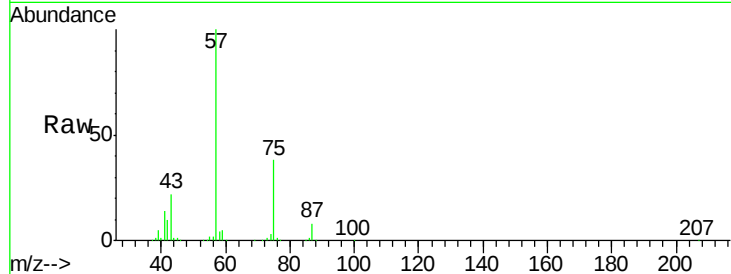




#57
 1,3-Dichloropropane
 Concen: 0.908 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.06 min
 Lab File: VN062583.D
 Acq: 21 Jul 2020 20:04

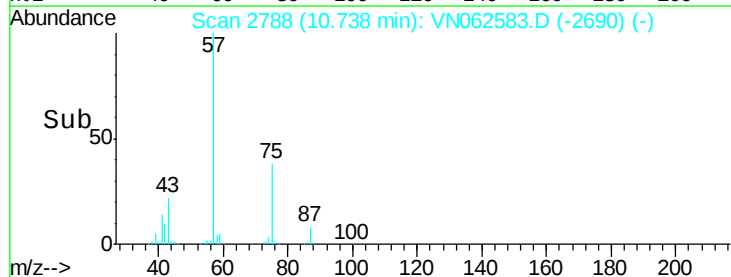
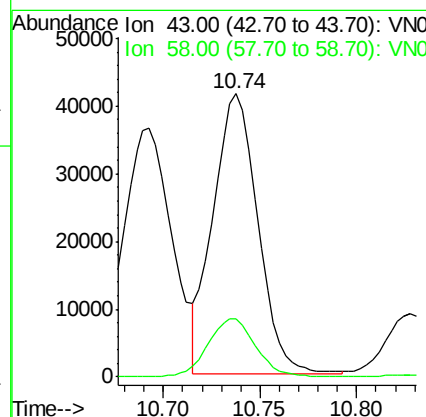
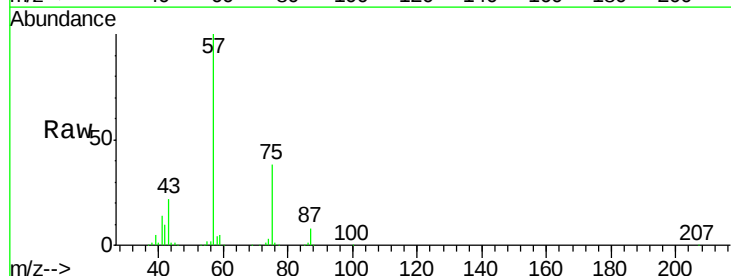
Instrument :
 MSVOA_N
 ClientSampled :
 HS-01

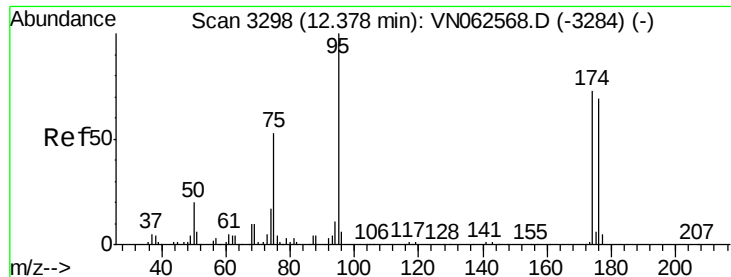
Tot Ion: 76 Resp: 3727
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#



#59
 2-Hexanone
 Concen: 27.895 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.02 min
 Lab File: VN062583.D
 Acq: 21 Jul 2020 20:04

Tgt Ion: 43 Resp: 66639
 Ion Ratio Lower Upper
 43 100
 58 22.1 26.0 78.0#





#62

4-Bromofluorobenzene

Concen: 47.180 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062583.D

Acq: 21 Jul 2020 20:04

Instrument :

MSVOA_N

ClientSampleId :

HS-01

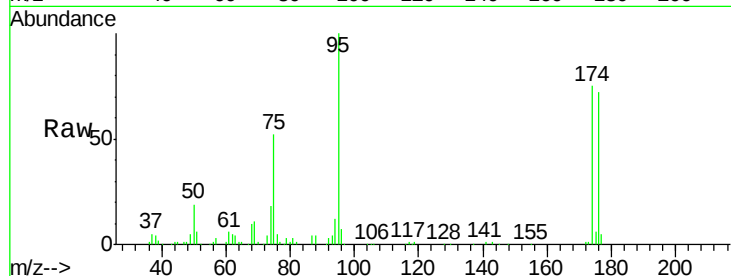
Tot Ion: 95 Resp: 139299

Ion Ratio Lower Upper

95 100

174 72.8 0.0 144.6

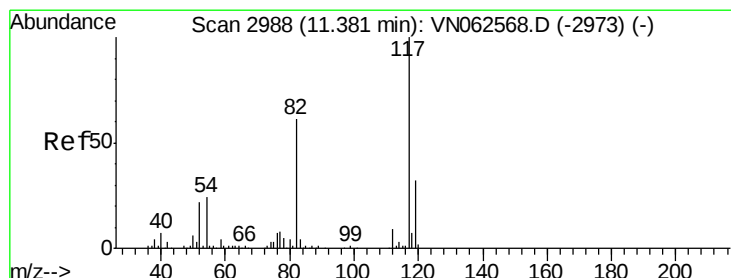
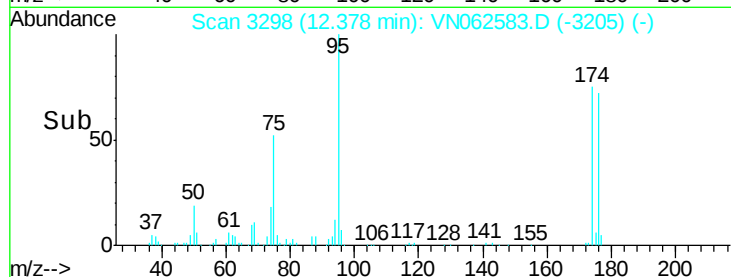
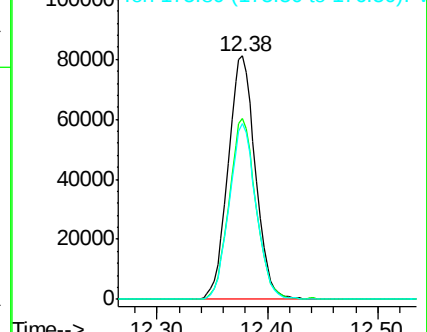
176 70.8 0.0 139.4



Abundance Ion 94.90 (94.60 to 95.60): VN062583.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062583.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062583.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062583.D

Acq: 21 Jul 2020 20:04

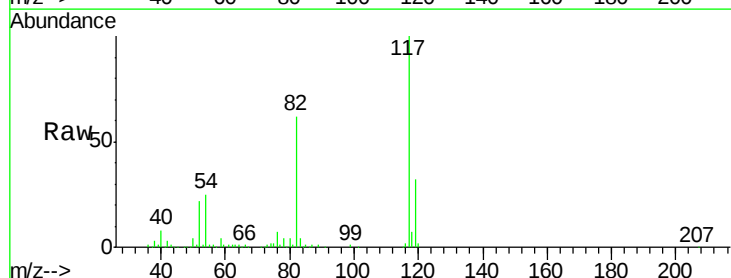
Tgt Ion: 117 Resp: 297935

Ion Ratio Lower Upper

117 100

82 61.7 49.0 73.6

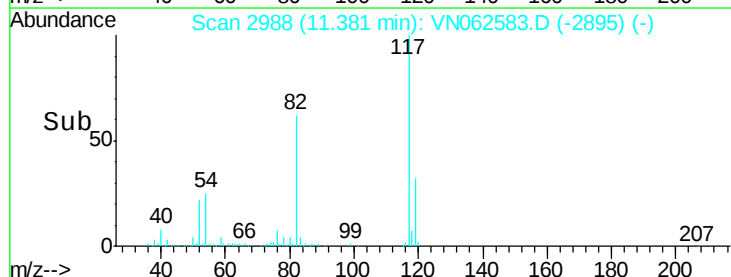
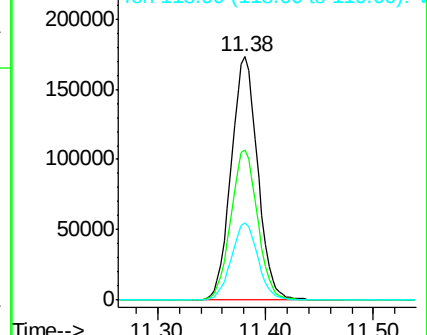
119 31.7 25.4 38.2

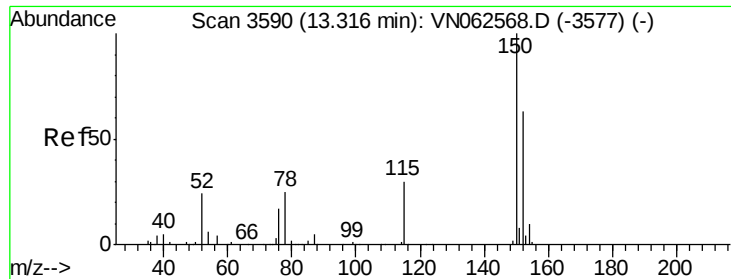


Abundance Ion 116.90 (116.60 to 117.60): VN062583.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062583.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062583.D (-2895) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062583.D

Acq: 21 Jul 2020 20:04

Instrument :

MSVOA_N

ClientSampleId :

HS-01

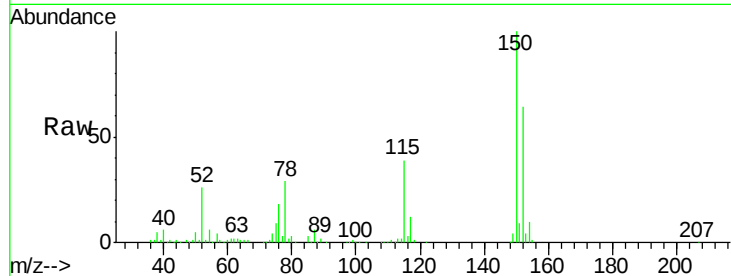
Tot Ion:152 Resp: 104115

Ion Ratio Lower Upper

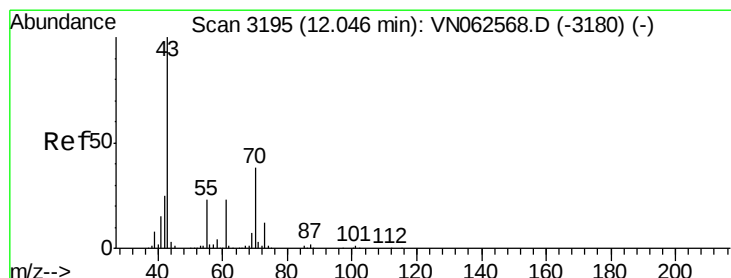
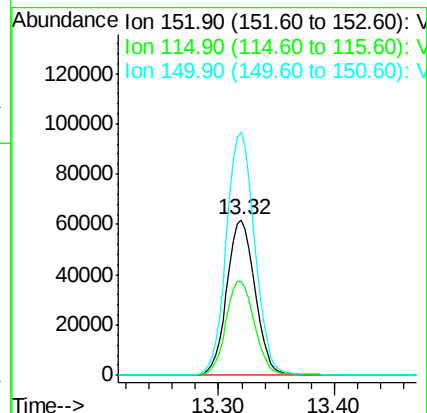
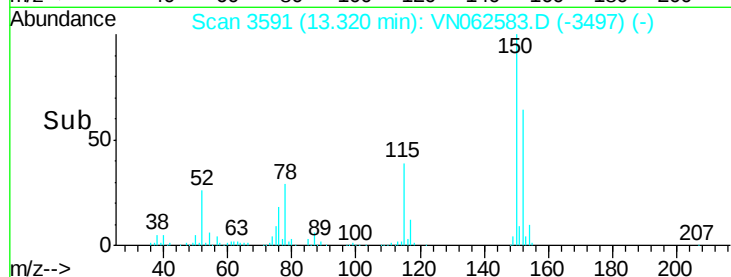
152 100

115 61.7 31.8 95.4

150 158.0 0.0 351.4



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-ethyl acetate

Concen: 0.905 ug/l

RT: 12.01 min Scan# 3183

Delta R.T. -0.04 min

Lab File: VN062583.D

Acq: 21 Jul 2020 20:04

Tgt Ion: 43 Resp: 3328

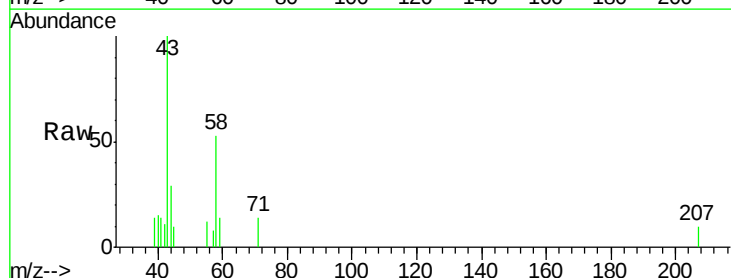
Ion Ratio Lower Upper

43 100

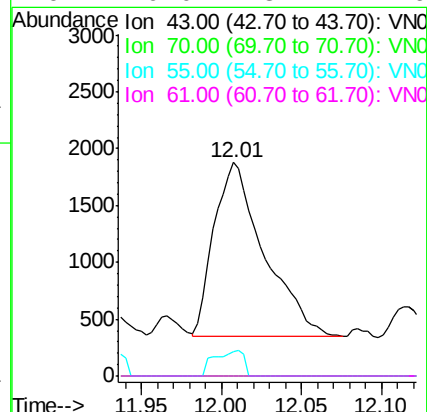
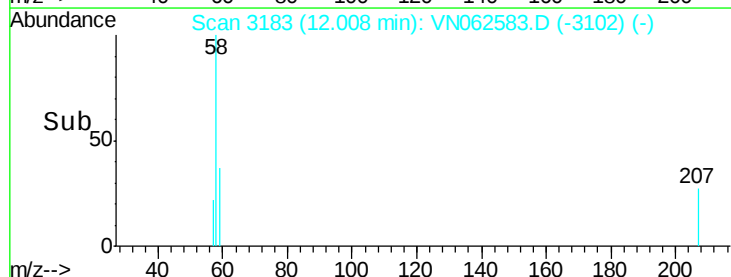
70 0.0 30.5 45.7#

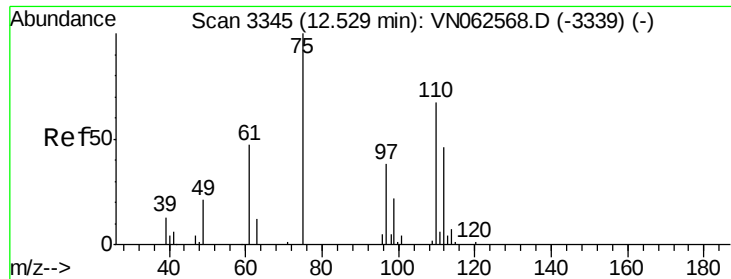
55 8.6 19.0 28.6#

61 0.0 18.4 27.6#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 70.00 (69.70 to 70.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 27.864 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062583.D

Acq: 21 Jul 2020 20:04

Instrument :

MSVOA_N

ClientSampled :

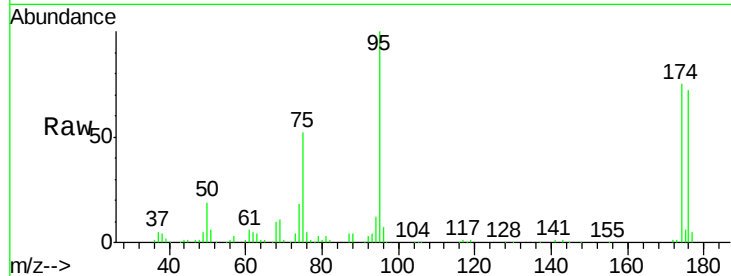
HS-01

Tot Ion: 75 Resp: 73842

Ion Ratio Lower Upper

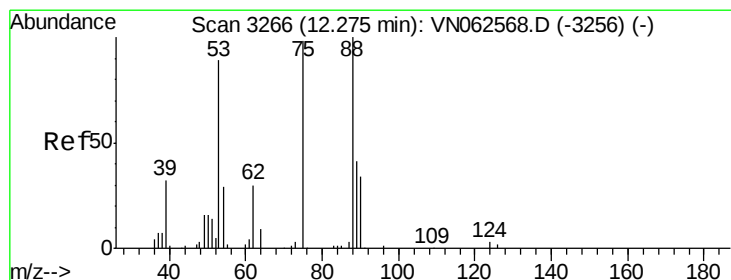
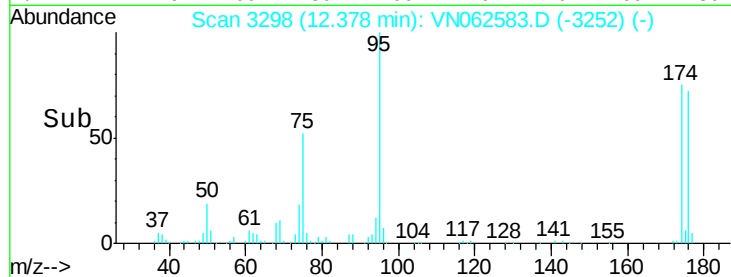
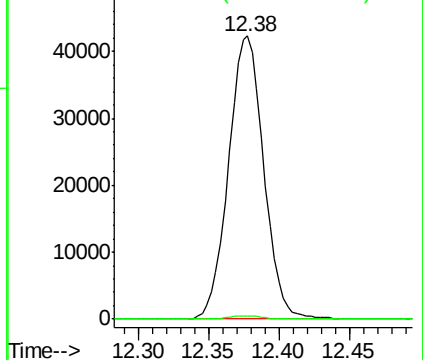
75 100

77 1.1 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: 77.567 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062583.D

Acq: 21 Jul 2020 20:04

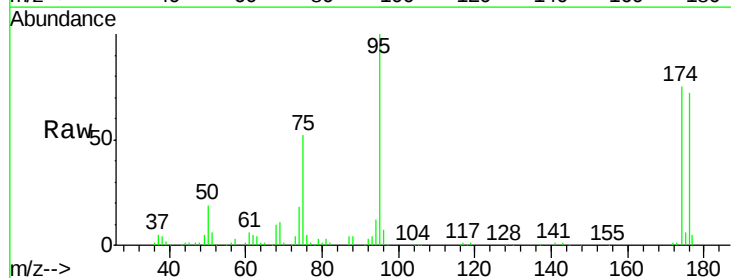
Tgt Ion: 75 Resp: 73842

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

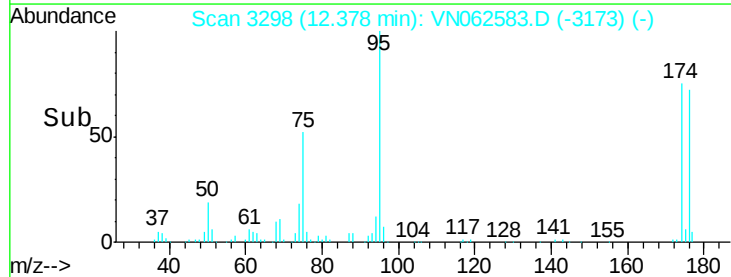
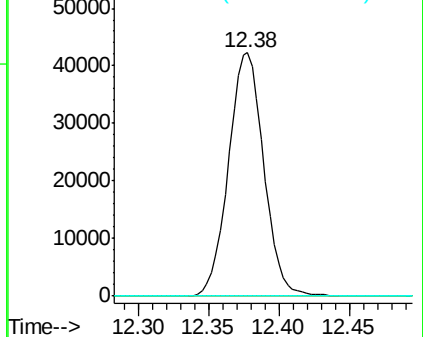
89 0.0 34.5 51.7#

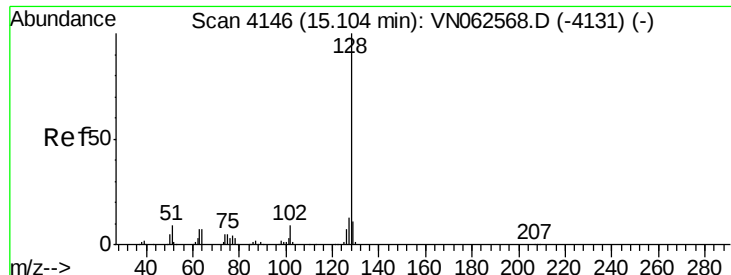


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#95

Naphthalene

Concen: 3.781 ug/l

RT: 15.10 min Scan# 4145

Delta R.T. -0.00 min

Lab File: VN062583.D

Acq: 21 Jul 2020 20:04

Instrument :

MSVOA_N

ClientSampleId :

HS-01

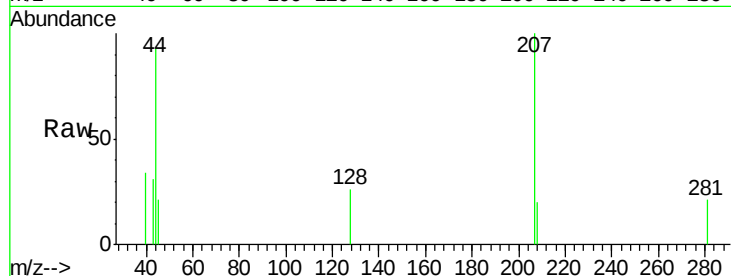
Tot Ion:128 Resp: 100

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

