

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\
 Data File : VN062715.D
 Acq On : 1 Aug 2020 3:59
 Operator : JC/MD
 Sample : L3518-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-6

Quant Time: Aug 01 06:14:27 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	145021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	261913	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	270845	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	101024	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	128337	56.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.94%	
35) Dibromofluoromethane	7.55	113	89703	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
50) Toluene-d8	10.06	98	353586	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
62) 4-Bromofluorobenzene	12.38	95	132823	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	

Target Compounds

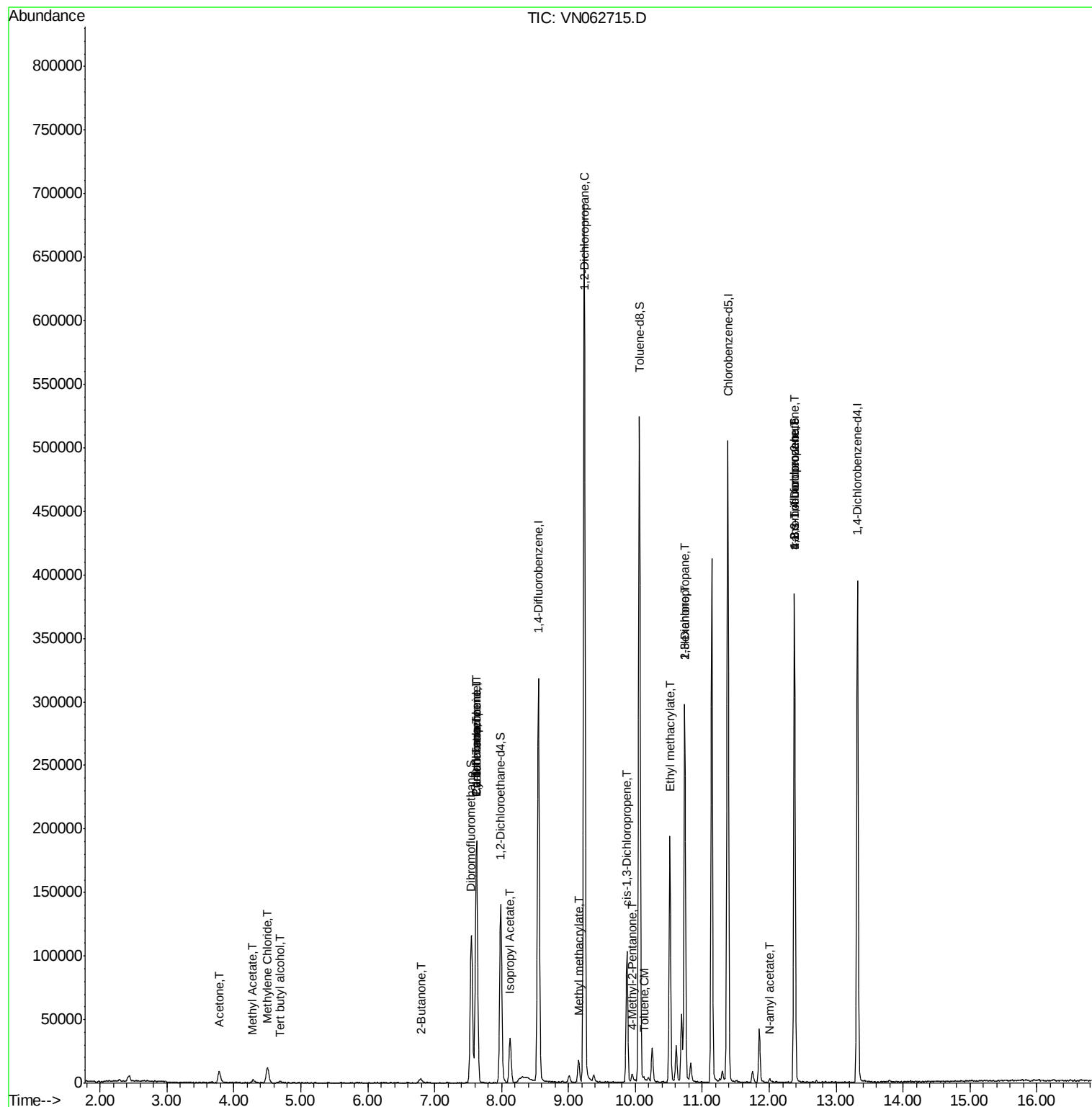
					Qvalue	
11) Tert butyl alcohol	4.70	59	680	1.897	ug/l #	73
16) Acetone	3.78	43	15817	18.657	ug/l	94
18) Methyl Acetate	4.28	43	4409	2.054	ug/l #	81
20) Methylene Chloride	4.50	84	9202	4.526	ug/l	90
25) 2-Butanone	6.79	43	3037	2.352	ug/l #	83
31) Cyclohexane	7.62	56	3451	1.040	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	12639	4.527	ug/l #	51
38) Carbon Tetrachloride	7.62	117	15943	5.941	ug/l #	18
43) Isopropyl Acetate	8.13	43	41658	8.587	ug/l #	89
45) 1,2-Dichloropropane	9.23	63	683	0.288	ug/l #	44
48) Methyl methacrylate	9.15	41	2709	1.175	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	4866	1.676	ug/l	99
52) Toluene	10.13	92	1789	0.365	ug/l	81
54) cis-1,3-Dichloropropene	9.88	75	17860	5.032	ug/l #	62
56) Ethyl methacrylate	10.52	69	846	2.008	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	2878	0.825	ug/l #	42
59) 2-Hexanone	10.74	43	44693	22.632	ug/l #	54
74) N-amyl acetate	12.01	43	1672	0.469	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	74612	29.016	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	74612	80.773	ug/l #	12

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

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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: VN062715.D

Acq: 1 Aug 2020 3:59

Instrument :

MSVOA_N

ClientSampled :

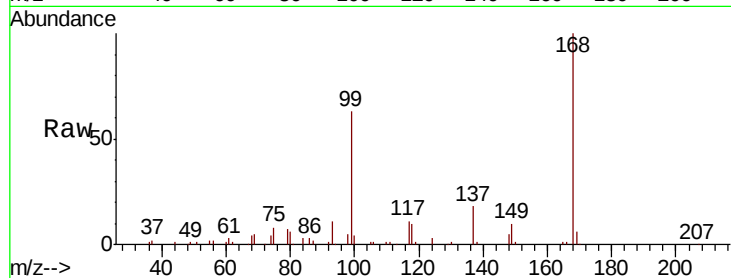
TP-6

Tot Ion:168 Resp: 145021

Ion Ratio Lower Upper

168 100

99 63.0 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

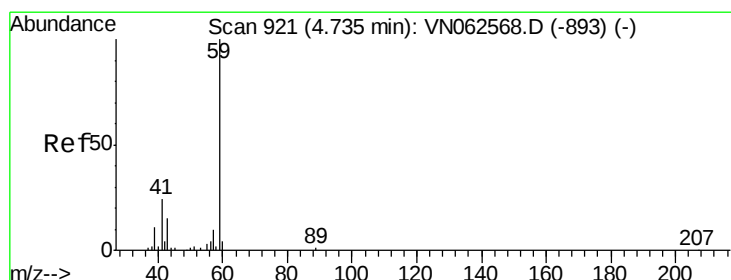
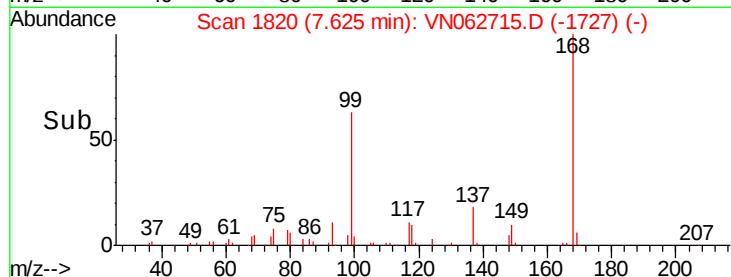
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 1.897 ug/l

RT: 4.70 min Scan# 909

Delta R.T. -0.04 min

Lab File: VN062715.D

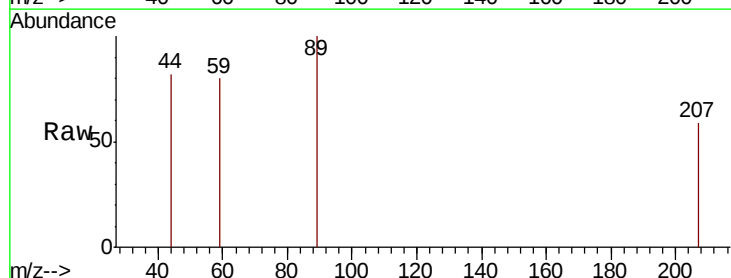
Acq: 1 Aug 2020 3:59

Tgt Ion: 59 Resp: 680

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.70

400

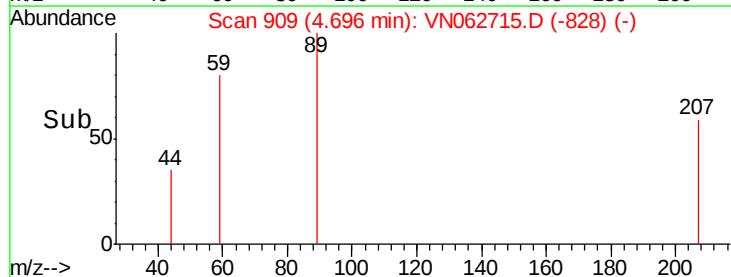
300

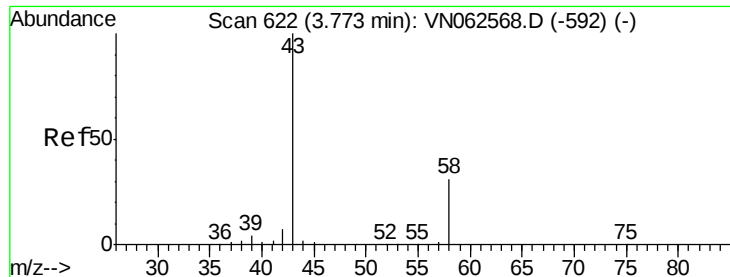
200

100

0

Time--> 4.66 4.68 4.70 4.72





#16

Acetone

Concen: 18.657 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062715.D

Acq: 1 Aug 2020 3:59

Instrument :

MSVOA_N

ClientSampled :

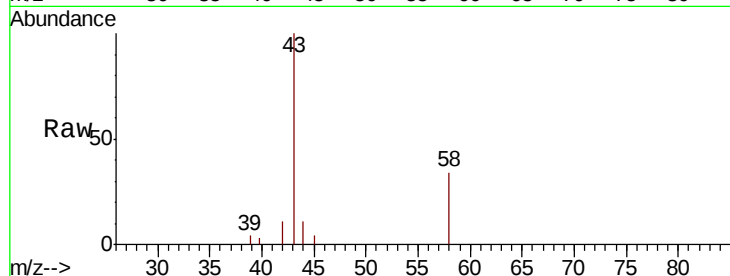
TP-6

Tot Ion: 43 Resp: 15817

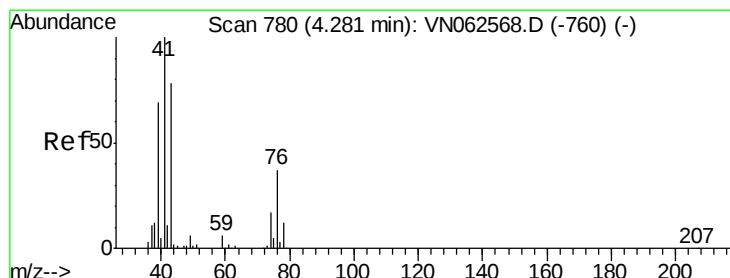
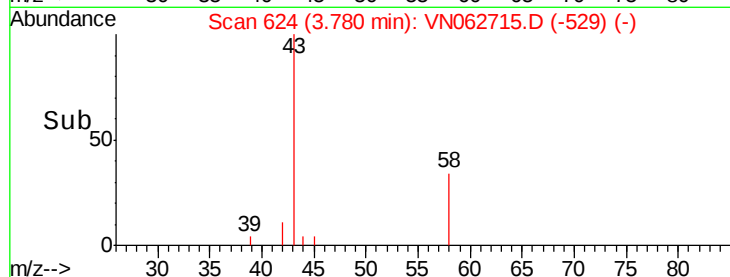
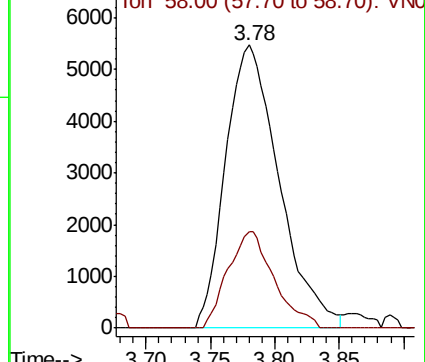
Ion Ratio Lower Upper

43 100

58 34.3 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN062715.D (-529) (-)



#18

Methyl Acetate

Concen: 2.054 ug/l

RT: 4.28 min Scan# 780

Delta R.T. -0.00 min

Lab File: VN062715.D

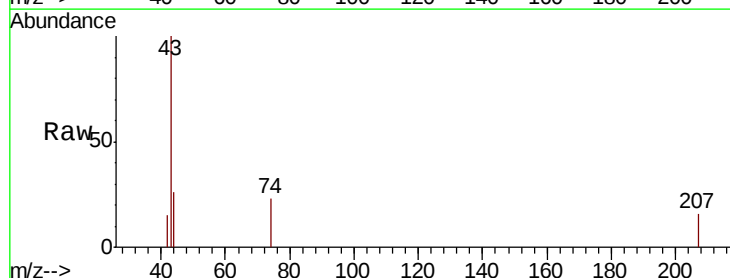
Acq: 1 Aug 2020 3:59

Tgt Ion: 43 Resp: 4409

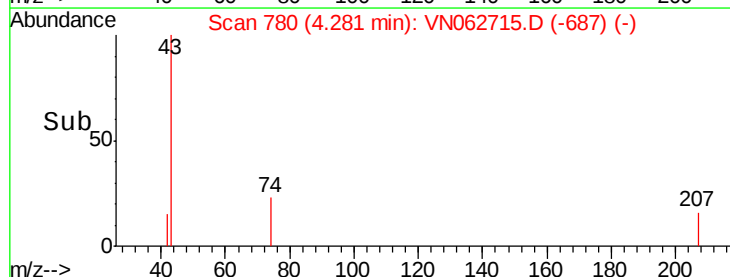
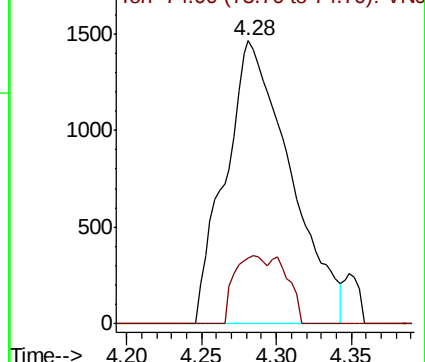
Ion Ratio Lower Upper

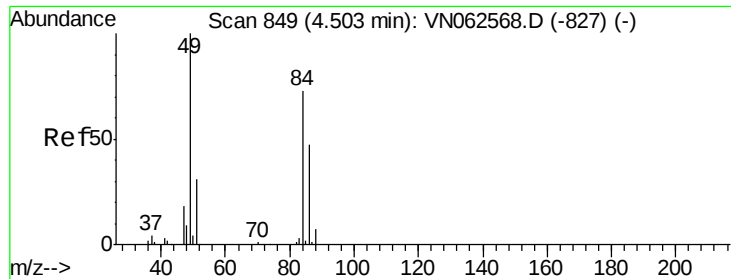
43 100

74 12.0 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VN062715.D (-687) (-)

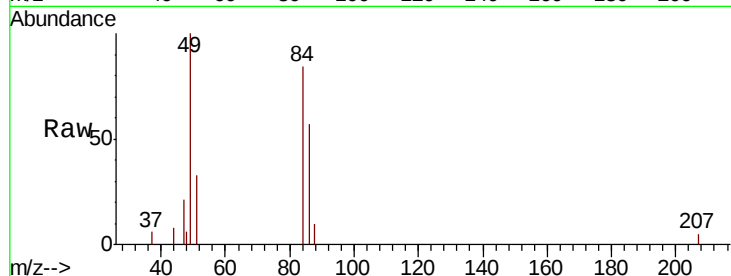




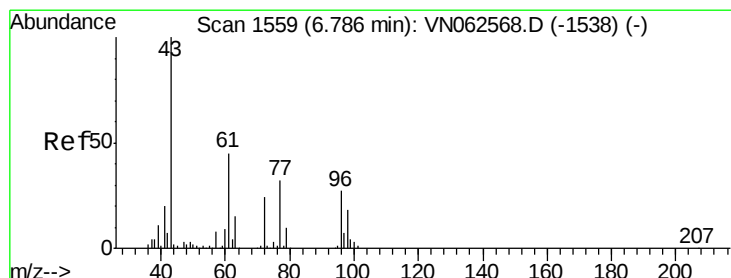
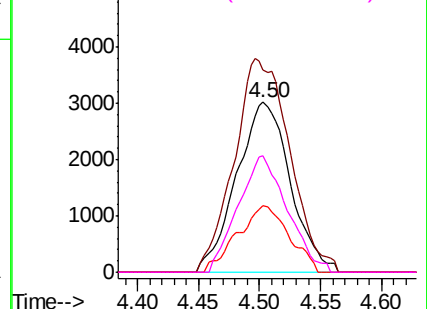
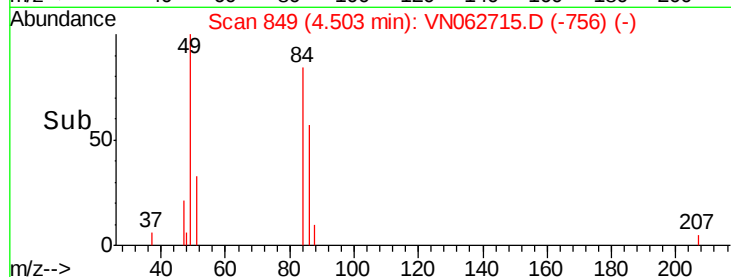
#20
Methvlene Chloride
Concen: 4.526 ug/l
RT: 4.50 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN062715.D
Acq: 1 Aug 2020 3:59

Instrument :
MSVOA_N
ClientSampled :
TP-6

Tot Ion: 84 Resp: 9202
Ion Ratio Lower Upper
84 100
49 118.8 109.4 164.0
51 39.4 33.6 50.4
86 68.2 51.4 77.2

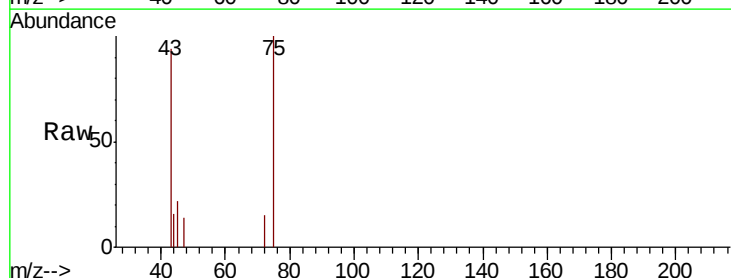


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

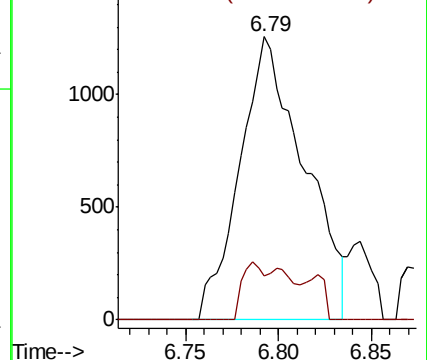
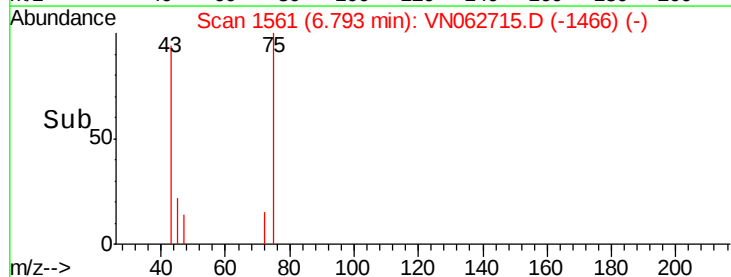


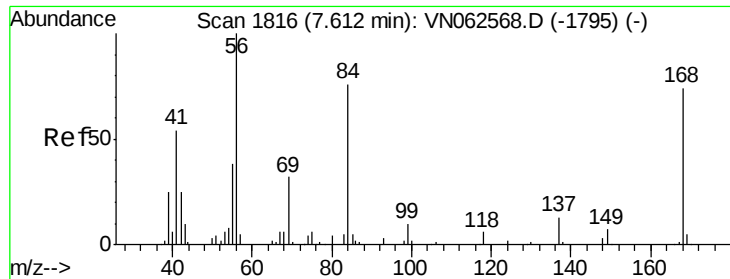
#25
2-Butanone
Concen: 2.352 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VN062715.D
Acq: 1 Aug 2020 3:59

Tgt Ion: 43 Resp: 3037
Ion Ratio Lower Upper
43 100
72 15.7 19.0 28.6#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 72.00 (71.70 to 72.70): VNO

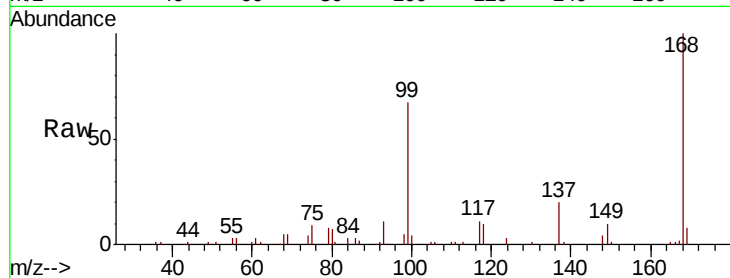




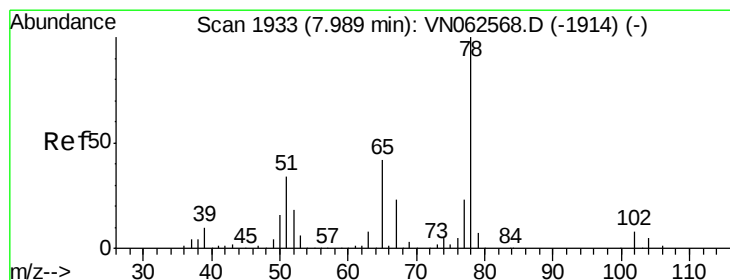
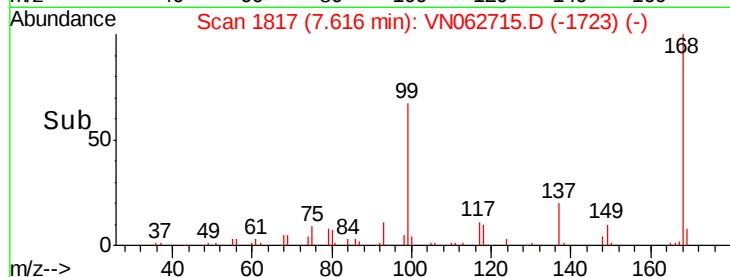
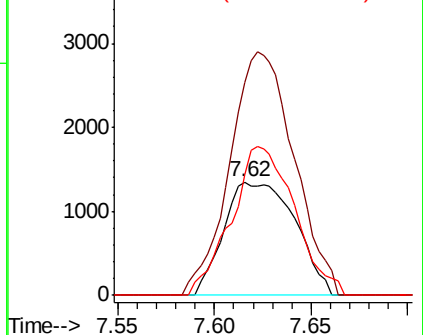
#31
Cyclohexane
Concen: 1.040 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN062715.D
Acq: 1 Aug 2020 3:59

Instrument :
MSVOA_N
ClientSampled :
TP-6

Tot Ion: 56 Resp: 3451
Ion Ratio Lower Upper
56 100
69 187.3 25.3 37.9#
84 107.0 61.0 91.4#

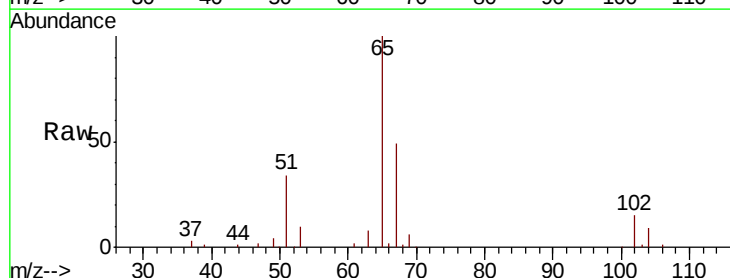


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

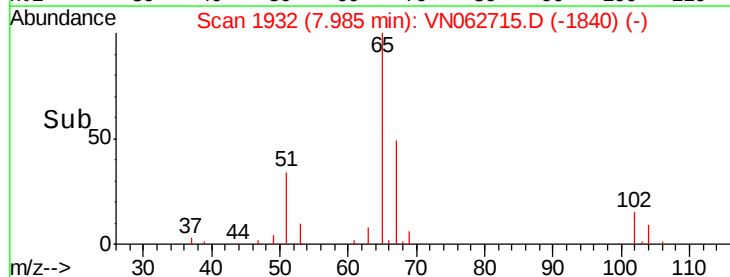
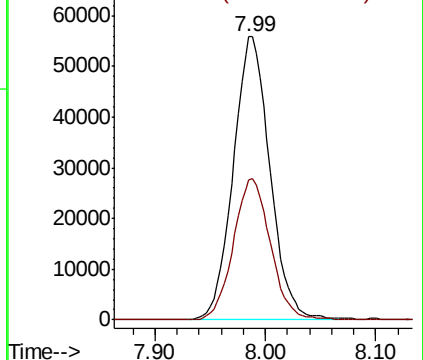


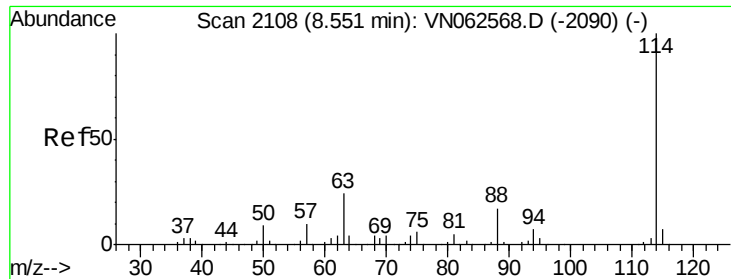
#33
1,2-Dichloroethane-d4
Concen: 56.967 ug/l
RT: 7.99 min Scan# 1932
Delta R.T. -0.00 min
Lab File: VN062715.D
Acq: 1 Aug 2020 3:59

Tgt Ion: 65 Resp: 128337
Ion Ratio Lower Upper
65 100
67 50.5 0.0 106.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

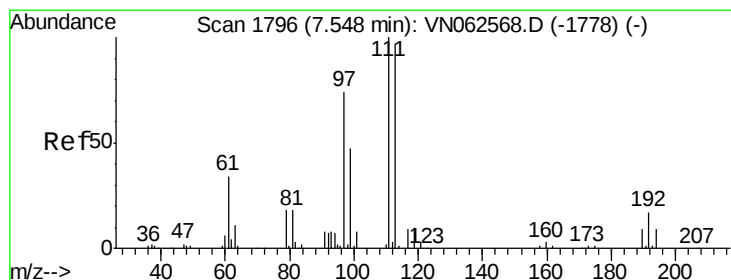
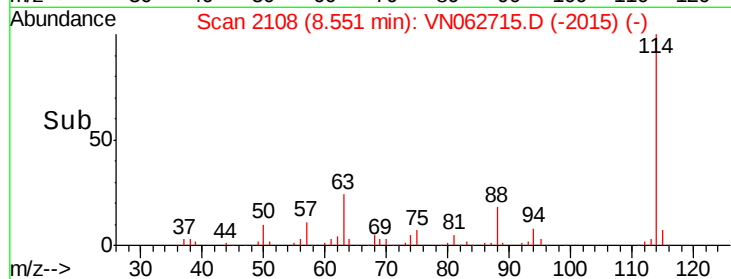
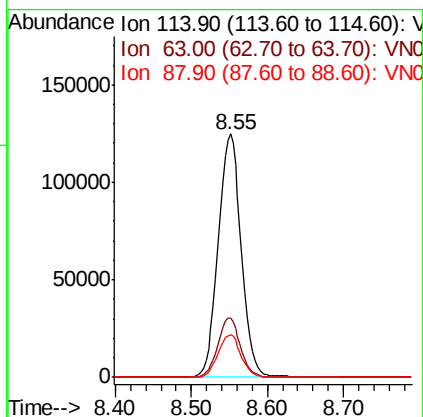
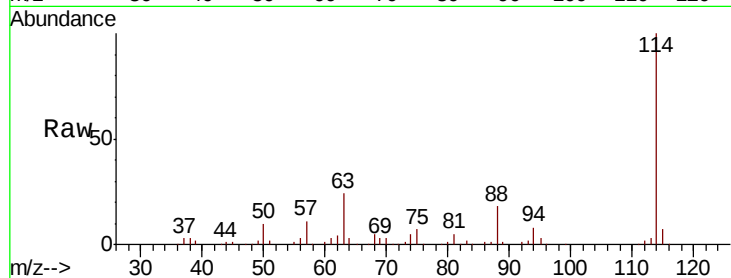




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062715.D
 Acq: 1 Aug 2020 3:59

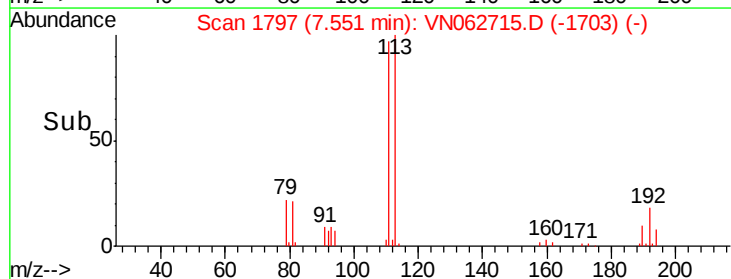
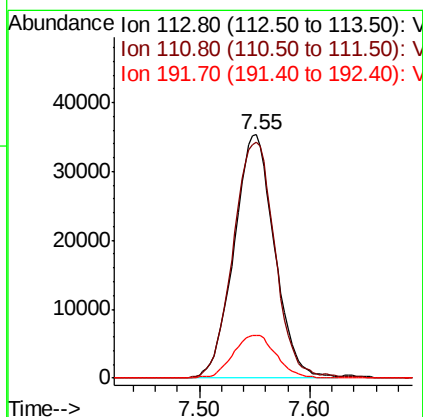
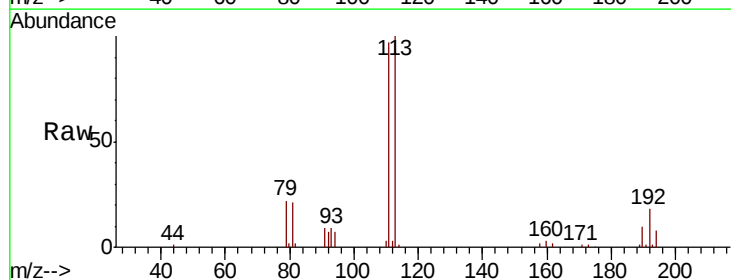
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-6

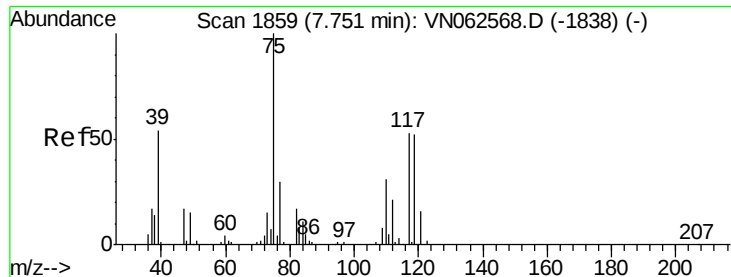
Tot Ion:114 Resp: 261913
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 48.4
 88 17.5 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 52.141 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062715.D
 Acq: 1 Aug 2020 3:59

Tgt Ion:113 Resp: 89703
 Ion Ratio Lower Upper
 113 100
 111 99.8 82.7 124.1
 192 18.7 14.8 22.2

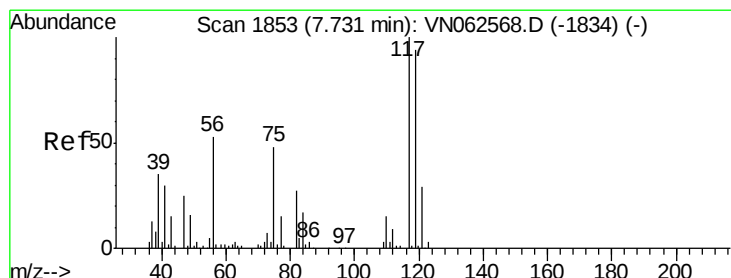
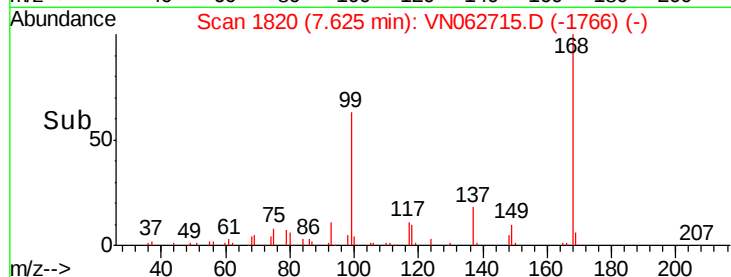
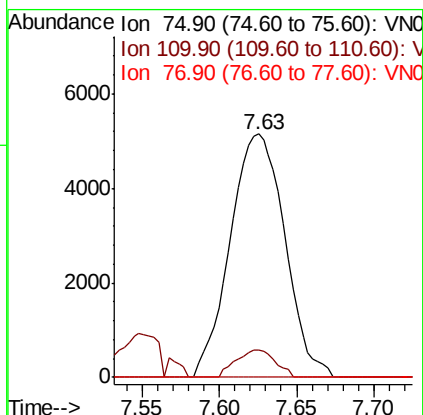
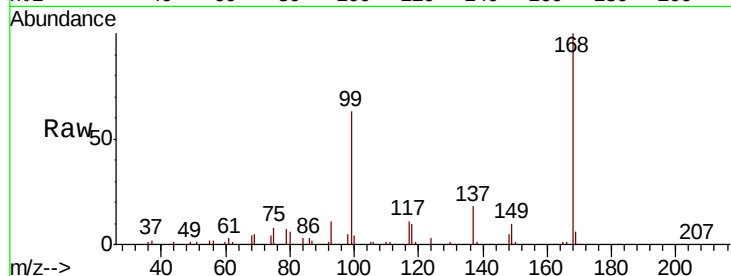




#36
 1,1-Dichloropropene
 Concen: 4.527 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062715.D
 Acq: 1 Aug 2020 3:59

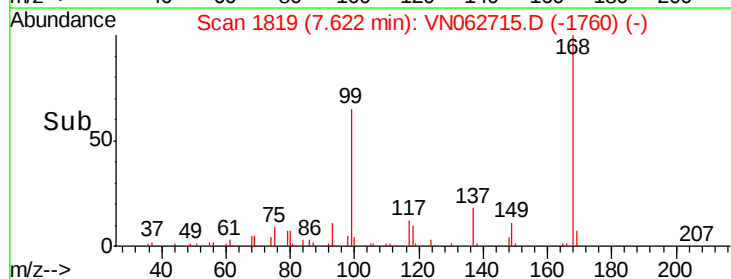
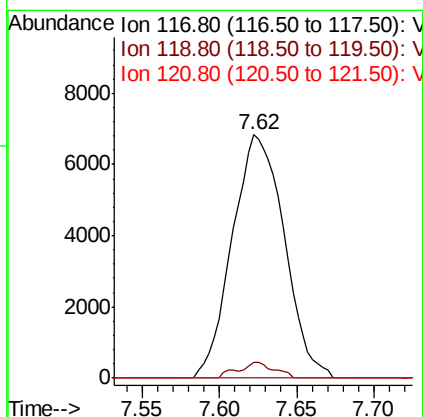
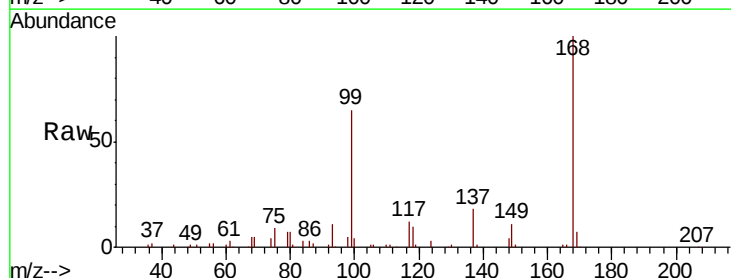
Instrument :
 MSVOA_N
 ClientSampled :
 TP-6

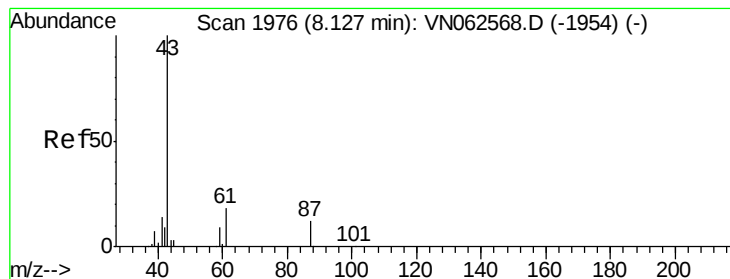
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	16.0	48.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.941 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.11 min
 Lab File: VN062715.D
 Acq: 1 Aug 2020 3:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.6	74.8	112.2#
121	0.0	23.0	34.6#





#43

Isopropyl Acetate

Concen: 8.587 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062715.D

Acq: 1 Aug 2020 3:59

Instrument :

MSVOA_N

ClientSampleId :

TP-6

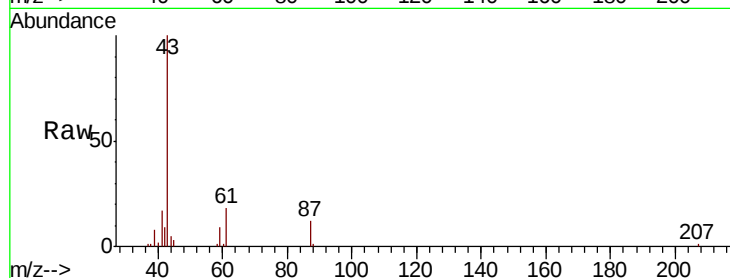
Tot Ion: 43 Resp: 41658

Ion Ratio Lower Upper

43 100

61 18.8 20.8 31.2#

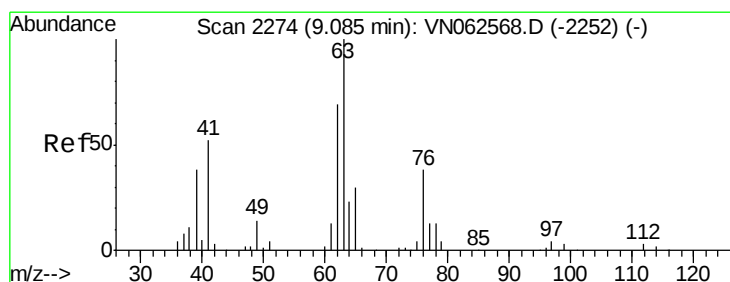
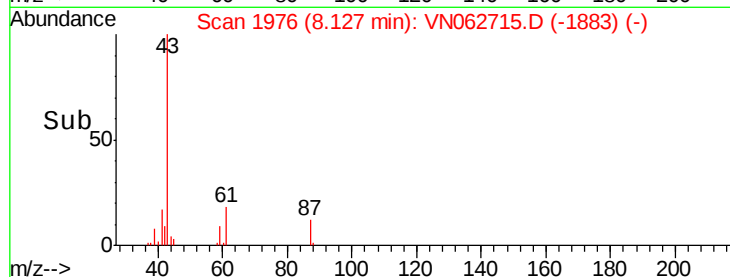
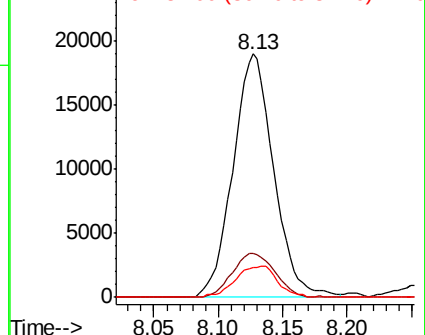
87 13.2 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VN062715.D (-1883) (-)

Ion 61.00 (60.70 to 61.70): VN062715.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN062715.D (-1883) (-)



#45

1,2-Dichloropropane

Concen: 0.288 ug/l

RT: 9.23 min Scan# 2319

Delta R.T. 0.14 min

Lab File: VN062715.D

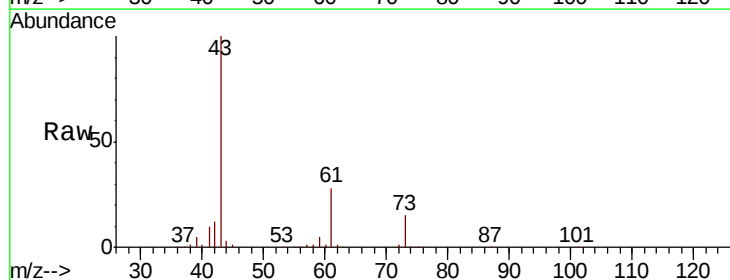
Acq: 1 Aug 2020 3:59

Tgt Ion: 63 Resp: 683

Ion Ratio Lower Upper

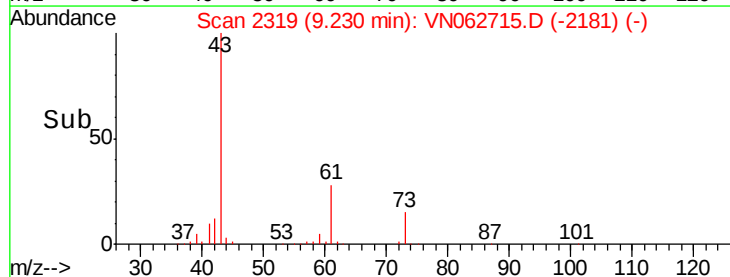
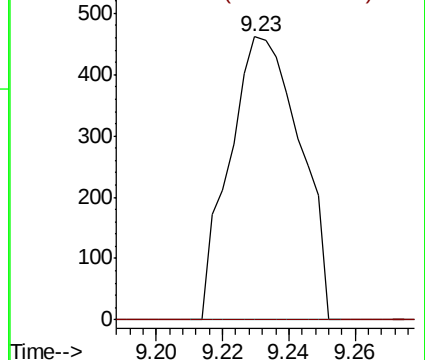
63 100

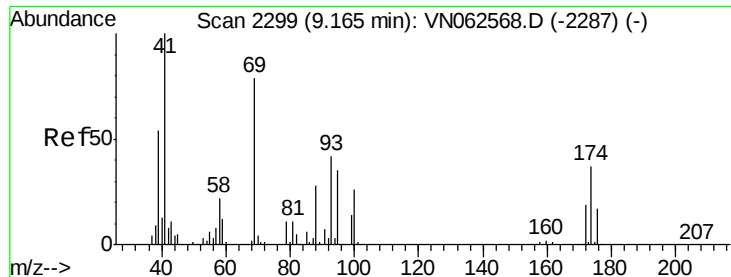
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN062715.D (-2181) (-)

Ion 64.90 (64.60 to 65.60): VN062715.D (-2181) (-)

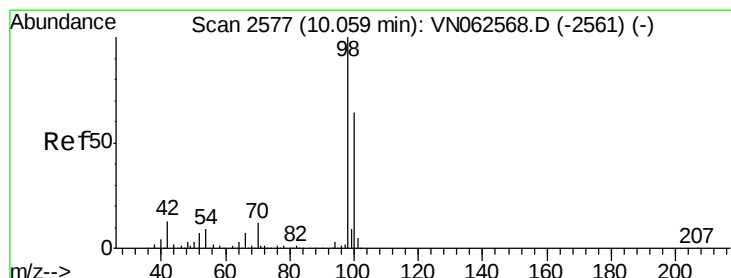
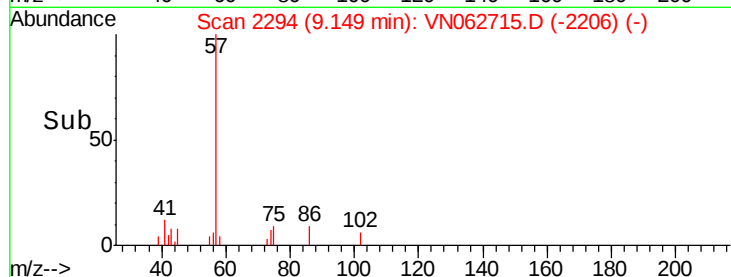
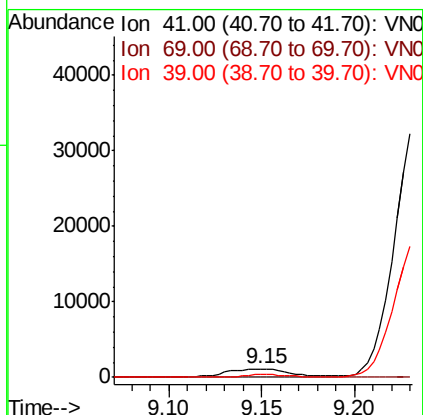
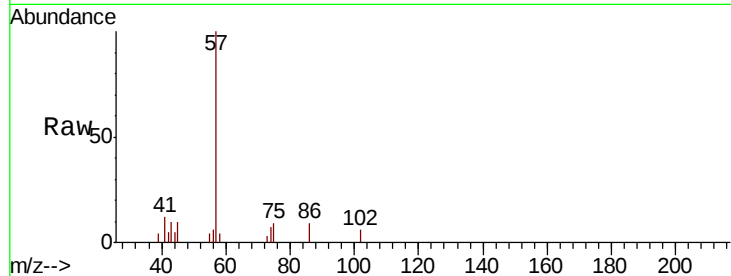




#48
Methvl methacrylate
Concen: 1.175 ug/l
RT: 9.15 min Scan# 2294
Delta R.T. -0.02 min
Lab File: VN062715.D
Acq: 1 Aug 2020 3:59

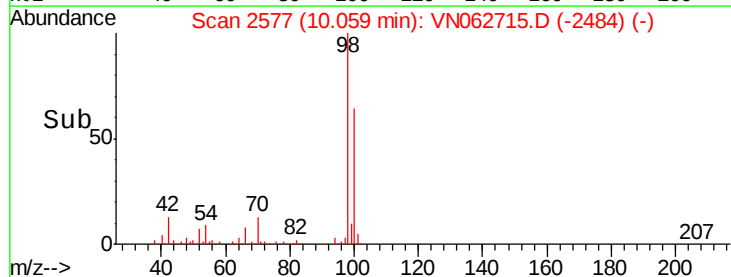
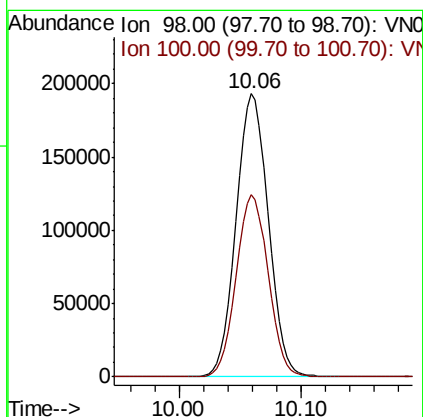
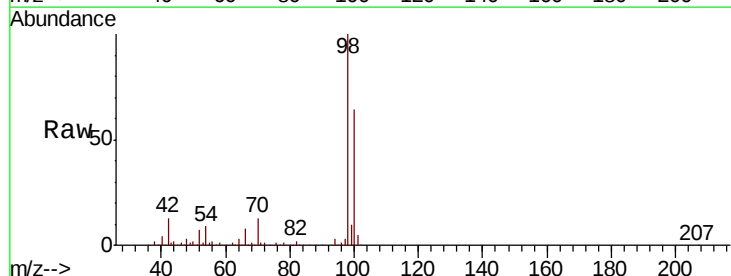
Instrument :
MSVOA_N
ClientSampled :
TP-6

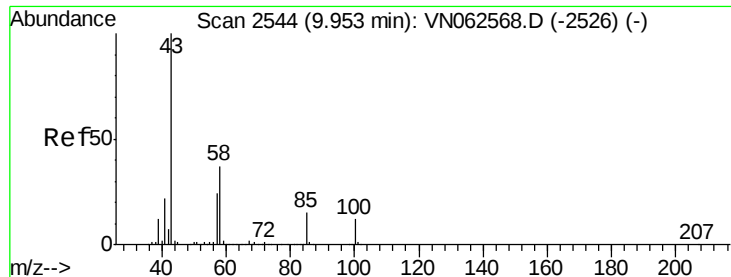
Tot Ion: 41 Resp: 2709
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 43.5 65.3#



#50
Toluene-d8
Concen: 51.511 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062715.D
Acq: 1 Aug 2020 3:59

Tgt Ion: 98 Resp: 353586
Ion Ratio Lower Upper
98 100
100 64.1 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 1.676 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062715.D

Acq: 1 Aug 2020 3:59

Instrument :

MSVOA_N

ClientSampled :

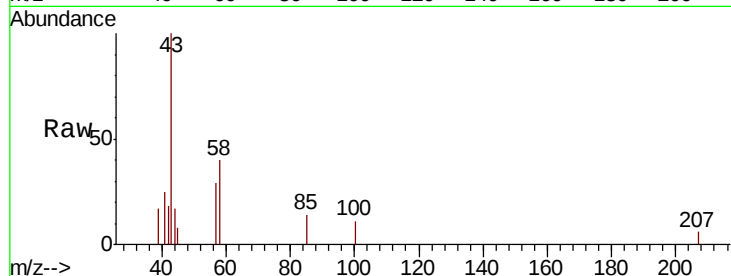
TP-6

Tot Ion: 43 Resp: 4866

Ion Ratio Lower Upper

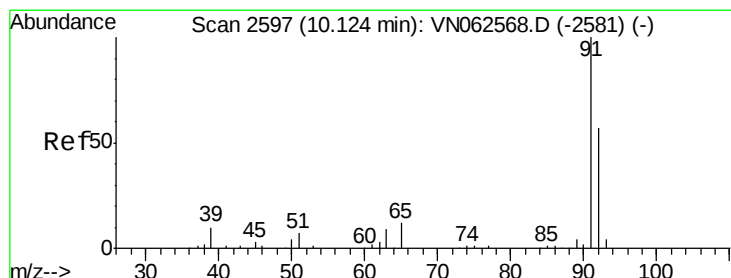
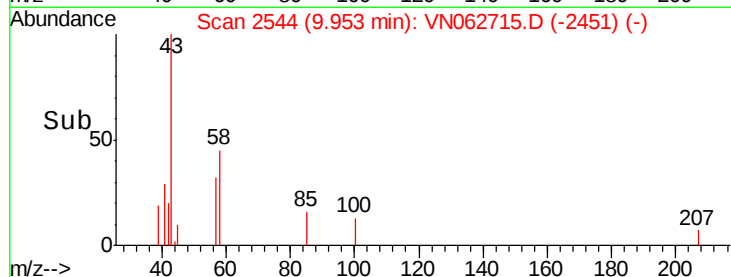
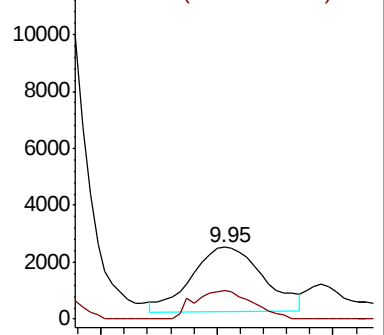
43 100

58 36.5 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN062568.D (-2526) (-)

Ion 58.00 (57.70 to 58.70): VN062568.D (-2526) (-)



#52

Toluene

Concen: 0.365 ug/l

RT: 10.13 min Scan# 2599

Delta R.T. 0.01 min

Lab File: VN062715.D

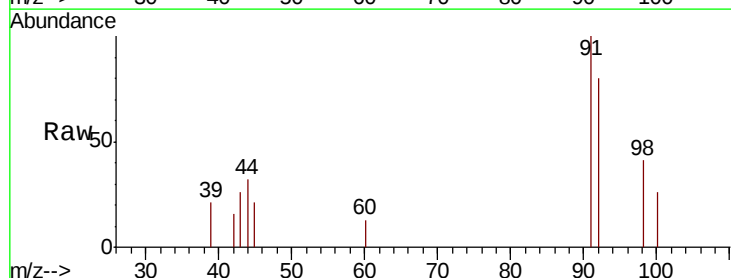
Acq: 1 Aug 2020 3:59

Tgt Ion: 92 Resp: 1789

Ion Ratio Lower Upper

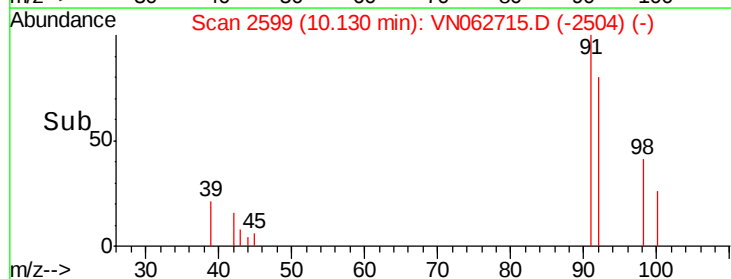
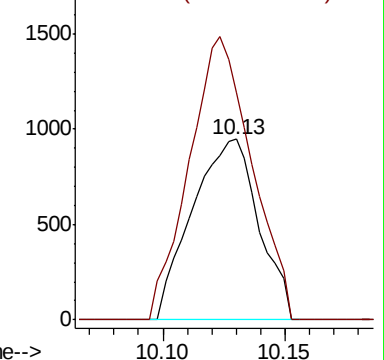
92 100

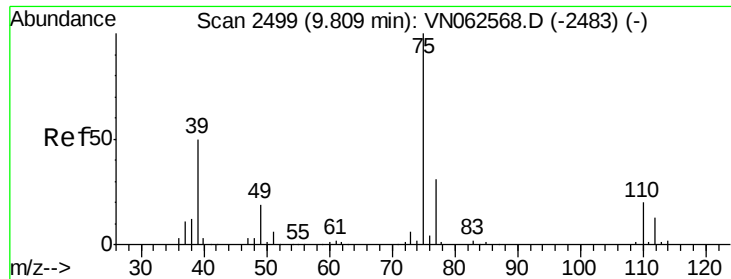
91 147.6 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN062568.D (-2581) (-)

Ion 91.00 (90.70 to 91.70): VN062568.D (-2581) (-)

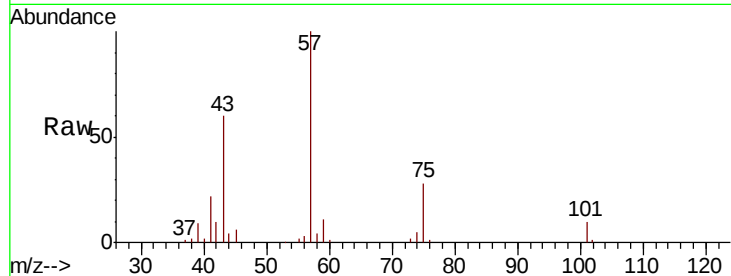




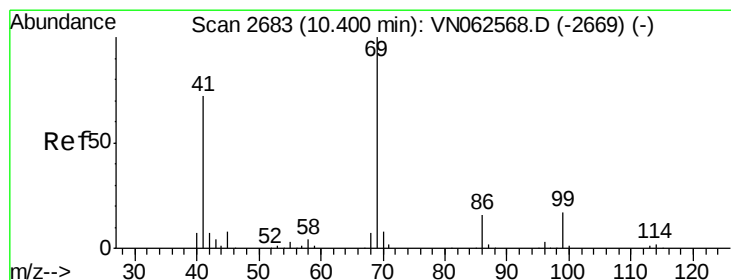
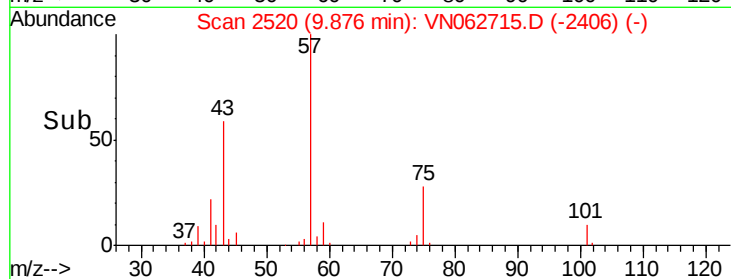
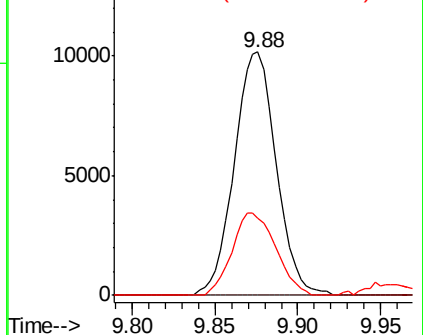
#54
 cis-1,3-Dichloropropene
 Concen: 5.032 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN062715.D
 Acq: 1 Aug 2020 3:59

Instrument :
 MSVOA_N
 ClientSampled :
 TP-6

Tot Ion: 75 Resp: 17860
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 31.7 39.8 59.8#

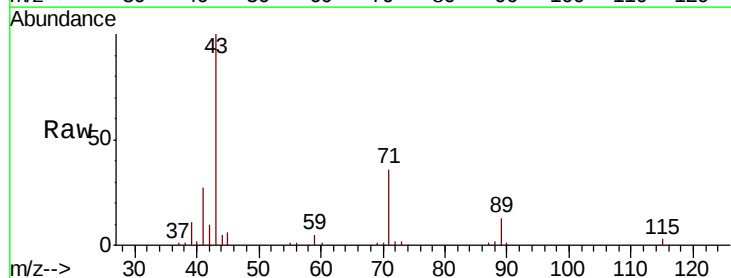


Abundance Ion 74.90 (74.60 to 75.60): VNC
 Ion 76.90 (76.60 to 77.60): VNC
 Ion 39.00 (38.70 to 39.70): VNC

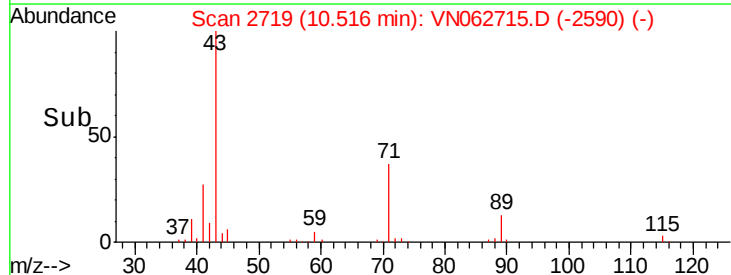
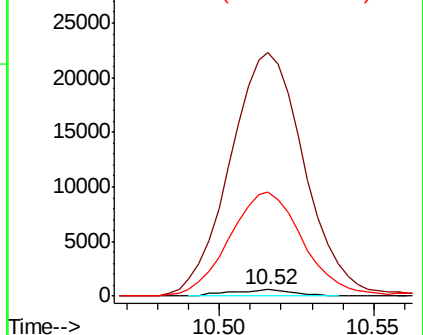


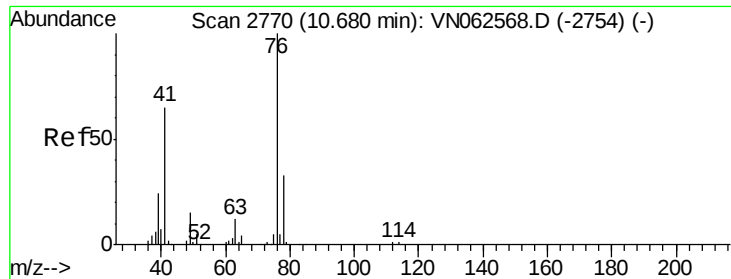
#56
 Ethyl methacrylate
 Concen: 2.008 ug/l
 RT: 10.52 min Scan# 2719
 Delta R.T. 0.12 min
 Lab File: VN062715.D
 Acq: 1 Aug 2020 3:59

Tgt Ion: 69 Resp: 846
 Ion Ratio Lower Upper
 69 100
 41 4438.3 57.2 85.8#
 39 1867.0 28.6 43.0#



Abundance Ion 69.00 (68.70 to 69.70): VNC
 Ion 41.00 (40.70 to 41.70): VNC
 Ion 39.00 (38.70 to 39.70): VNC

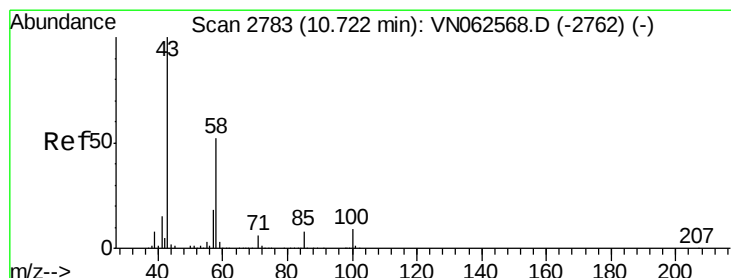
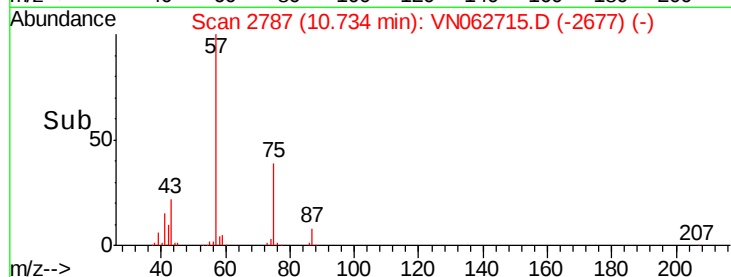
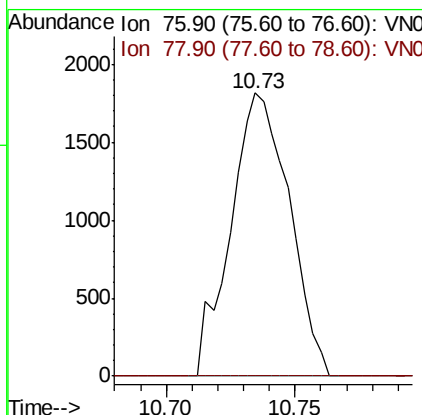
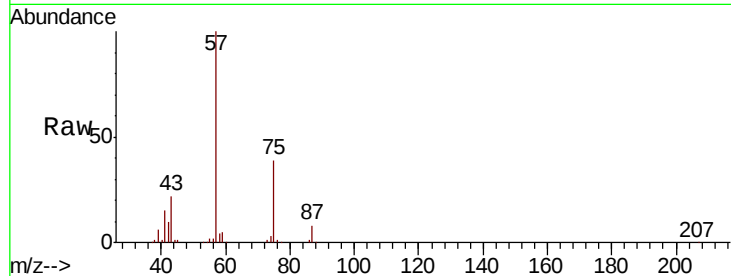




#57
 1,3-Dichloropropane
 Concen: 0.825 ug/l
 RT: 10.73 min Scan# 2787
 Delta R.T. 0.05 min
 Lab File: VN062715.D
 Acq: 1 Aug 2020 3:59

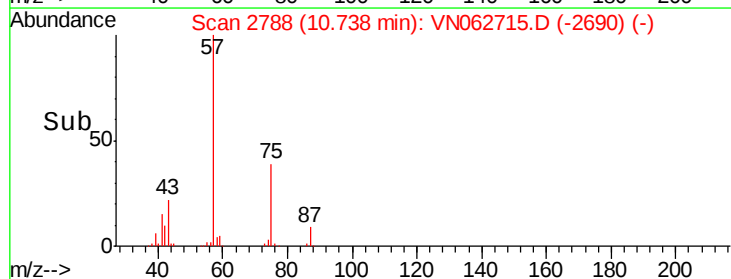
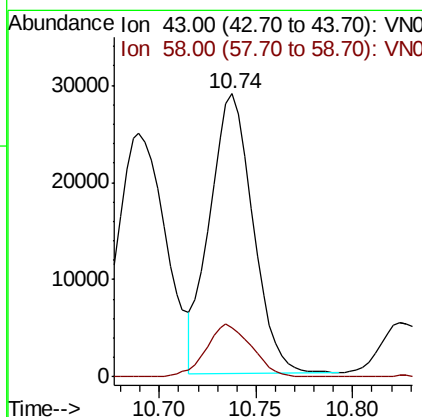
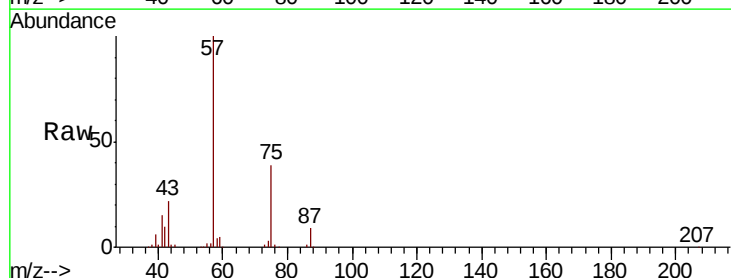
Instrument :
 MSVOA_N
 ClientSampled :
 TP-6

Tot Ion: 76 Resp: 2878
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#



#59
 2-Hexanone
 Concen: 22.632 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.02 min
 Lab File: VN062715.D
 Acq: 1 Aug 2020 3:59

Tgt Ion: 43 Resp: 44693
 Ion Ratio Lower Upper
 43 100
 58 19.8 26.0 78.0#





#62

4-Bromofluorobenzene

Concen: 52.920 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062715.D

Acq: 1 Aug 2020 3:59

Instrument :

MSVOA_N

ClientSampleId :

TP-6

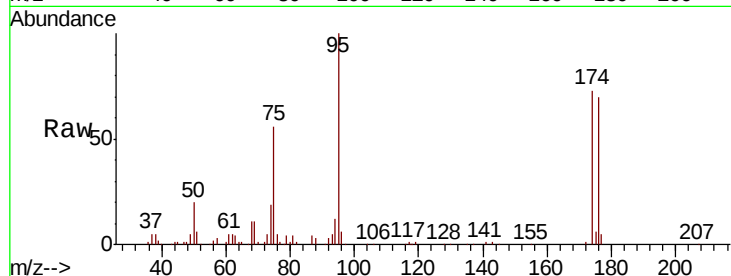
Tot Ion: 95 Resp: 132823

Ion Ratio Lower Upper

95 100

174 73.4 0.0 144.6

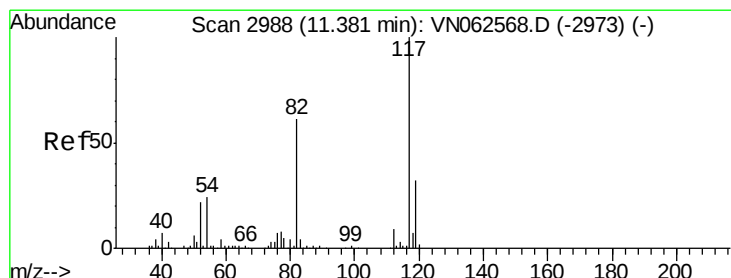
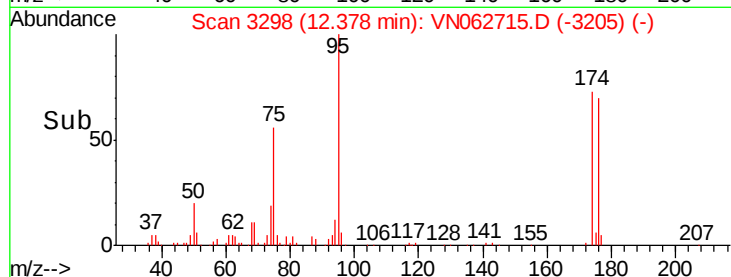
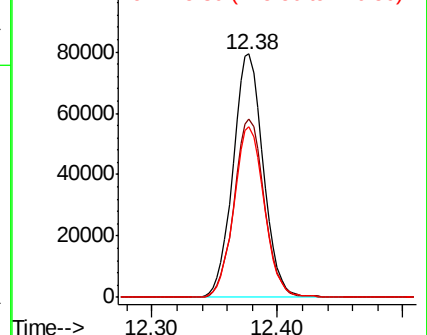
176 70.5 0.0 139.4



Abundance Ion 94.90 (94.60 to 95.60): VN062715.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062715.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062715.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062715.D

Acq: 1 Aug 2020 3:59

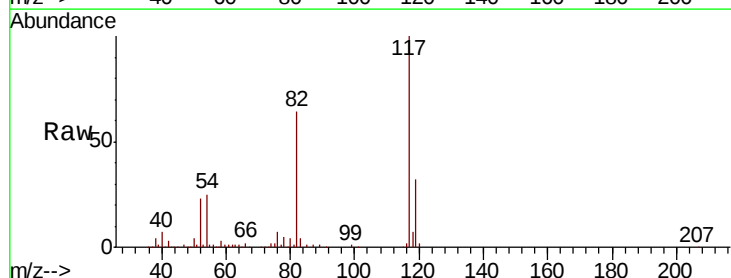
Tgt Ion: 117 Resp: 270845

Ion Ratio Lower Upper

117 100

82 63.7 49.0 73.6

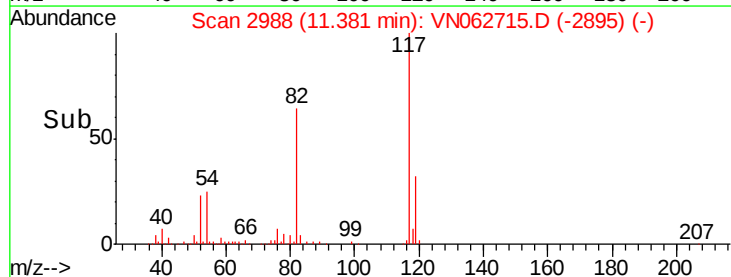
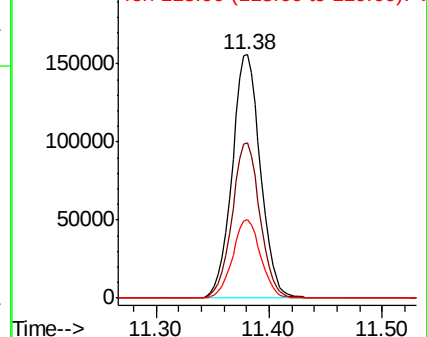
119 32.3 25.4 38.2

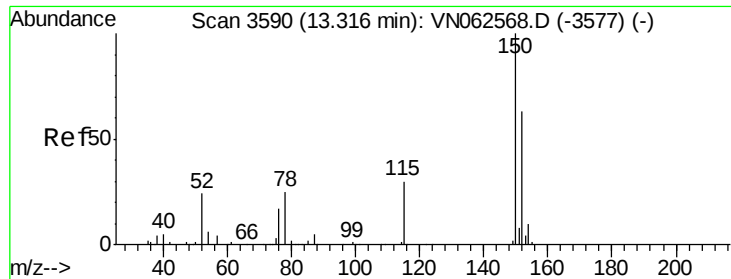


Abundance Ion 116.90 (116.60 to 117.60): VN062715.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062715.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062715.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: VN062715.D

Acq: 1 Aug 2020 3:59

Instrument :

MSVOA_N

ClientSampleId :

TP-6

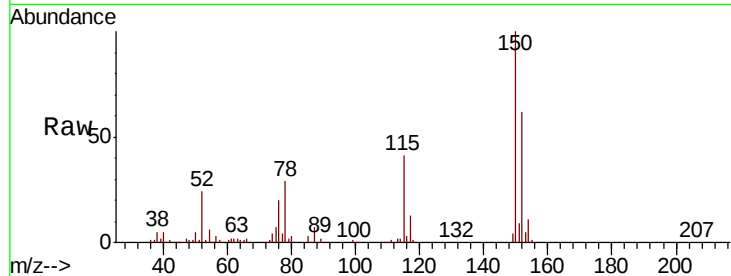
Tot Ion:152 Resp: 101024

Ion Ratio Lower Upper

152 100

115 64.5 31.8 95.4

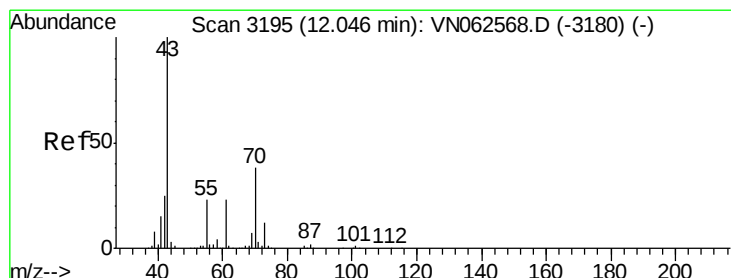
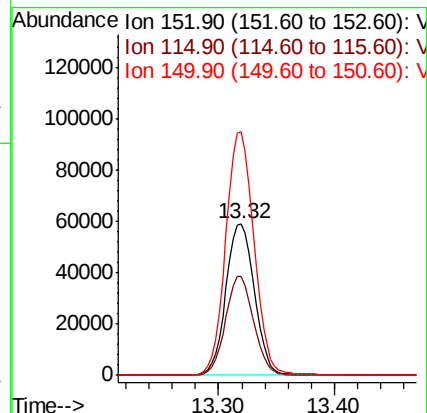
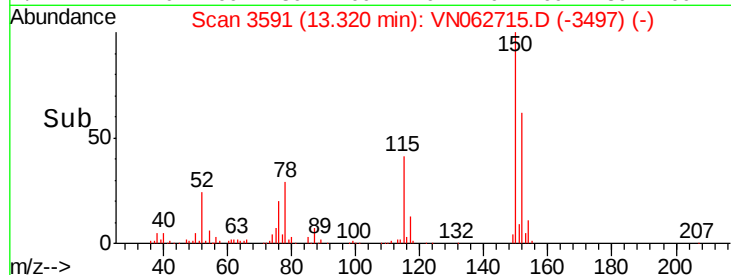
150 159.2 0.0 351.4



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: 0.469 ug/l

RT: 12.01 min Scan# 3183

Delta R.T. -0.04 min

Lab File: VN062715.D

Acq: 1 Aug 2020 3:59

Tgt Ion: 43 Resp: 1672

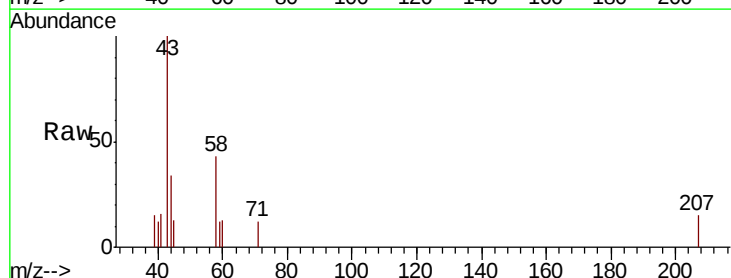
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 0.0 19.0 28.6#

61 0.0 18.4 27.6#

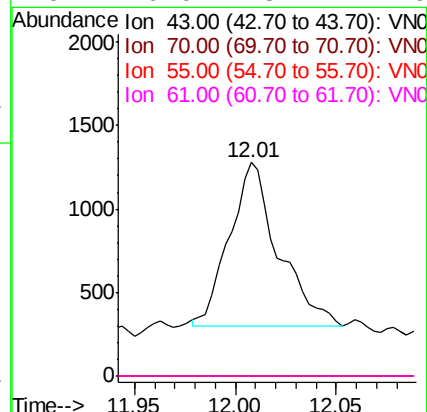
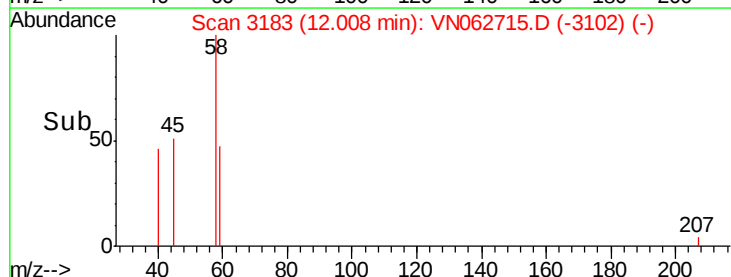


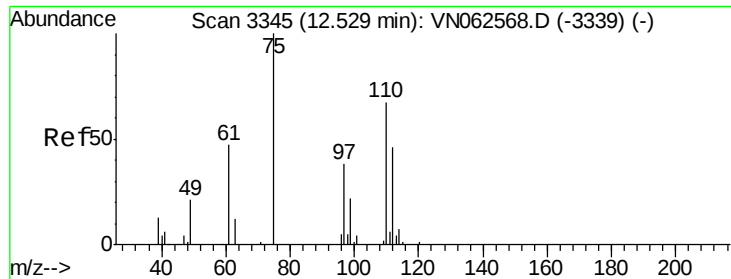
Abundance Ion 43.00 (42.70 to 43.70): VNO

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

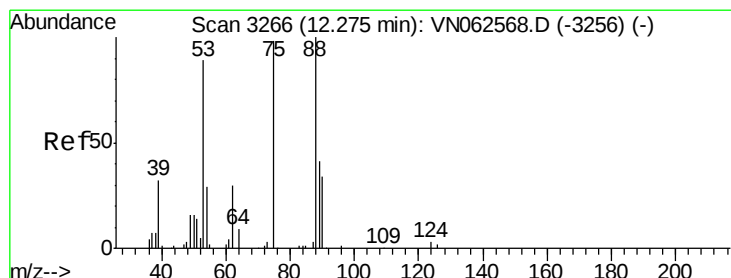
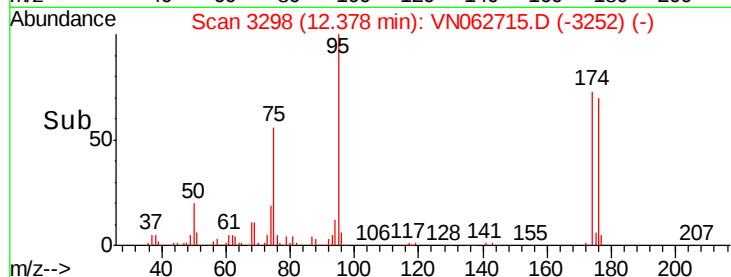
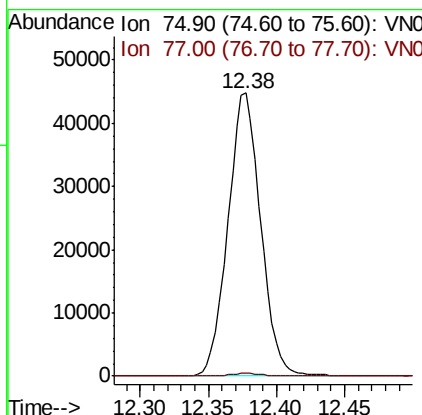
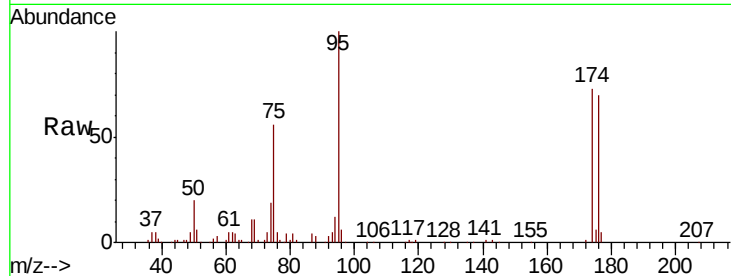




#76
 1,2,3-Trichloropropane
 Concen: 29.016 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062715.D
 Acq: 1 Aug 2020 3:59

Instrument :
 MSVOA_N
 ClientSampled :
 TP-6

Tot Ion: 75 Resp: 74612
 Ion Ratio Lower Upper
 75 100
 77 0.8 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.773 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062715.D
 Acq: 1 Aug 2020 3:59

Tgt Ion: 75 Resp: 74612
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 34.5 51.7#

