

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063020\
 Data File : VN062235.D
 Acq On : 30 Jun 2020 13:25
 Operator : JC/MD
 Sample : L3152-03 10X
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-COMP

Quant Time: Jul 01 03:34:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	195242	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	375509	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	359541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	131605	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	150603	54.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.94%	
35) Dibromofluoromethane	7.55	113	122651	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
50) Toluene-d8	10.06	98	477375	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.38	95	155864	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	

Target Compounds

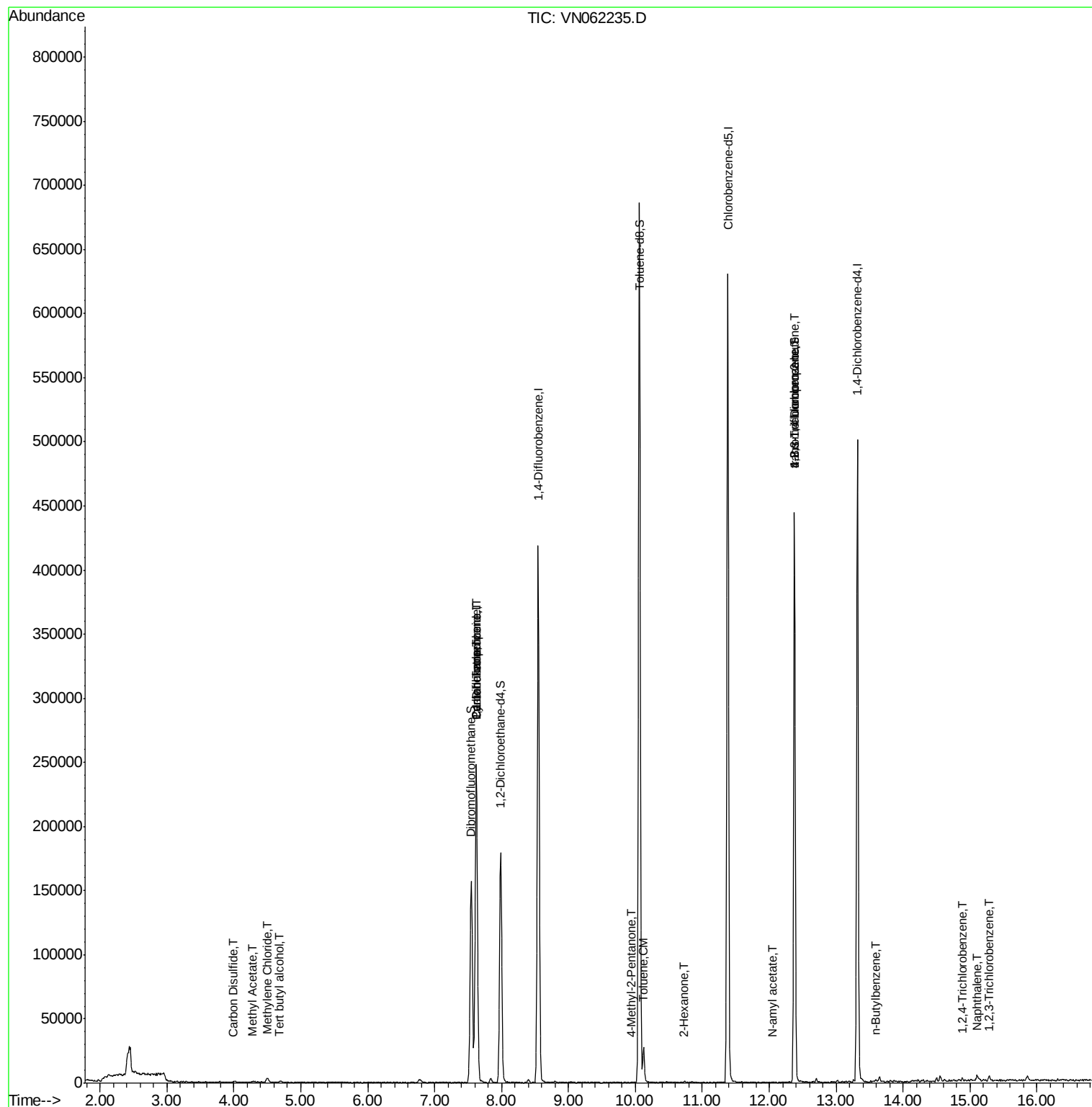
					Qvalue	
3) Chloromethane	2.04	50	422	Below Cal	#	41
11) Tert butyl alcohol	4.69	59	614	1.561	ug/l #	72
16) Acetone	3.78	43	604	Below Cal	#	61
17) Carbon Disulfide	4.00	76	1444	0.275	ug/l #	75
18) Methyl Acetate	4.28	43	1045	0.480	ug/l #	59
20) Methylene Chloride	4.49	84	2174	0.650	ug/l	92
31) Cyclohexane	7.62	56	5082	1.343	ug/l #	7
36) 1,1-Dichloropropene	7.62	75	17286	4.580	ug/l #	49
38) Carbon Tetrachloride	7.63	117	20681	5.812	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	616	0.207	ug/l #	33
52) Toluene	10.12	92	10636	1.515	ug/l	99
59) 2-Hexanone	10.73	43	1047	0.487	ug/l	63
74) N-amyl acetate	12.04	43	171	3.386	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	79763	25.746	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	79763	75.188	ug/l #	13
89) n-Butylbenzene	13.60	91	1372	0.202	ug/l	84
93) 1,2,4-Trichlorobenzene	14.89	180	889	0.473	ug/l	82
95) Naphthalene	15.11	128	4191	4.610	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.28	180	1099	0.571	ug/l	71

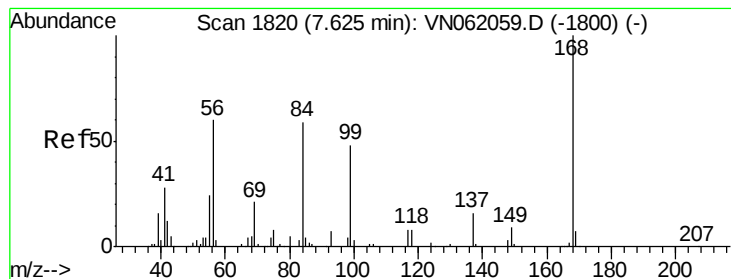
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 01 03:34:06 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 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: VN062235.D

Acq: 30 Jun 2020 13:25

Instrument :

MSVOA_N

ClientSampleId :

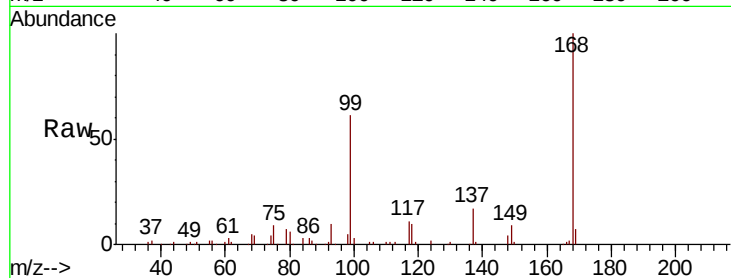
DRUM-COMP

Tot Ion:168 Resp: 195242

Ion Ratio Lower Upper

168 100

99 60.8 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): VN062235.D (-1727) (-)

Ion 98.90 (98.60 to 99.60): VN062235.D (-1727) (-)

7.63

80000

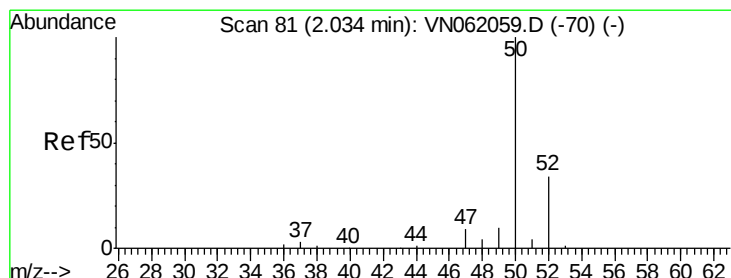
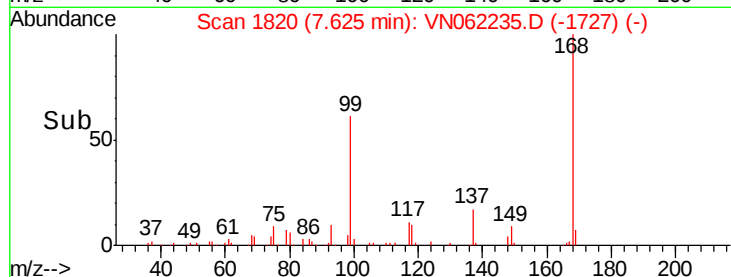
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 83

Delta R.T. 0.01 min

Lab File: VN062235.D

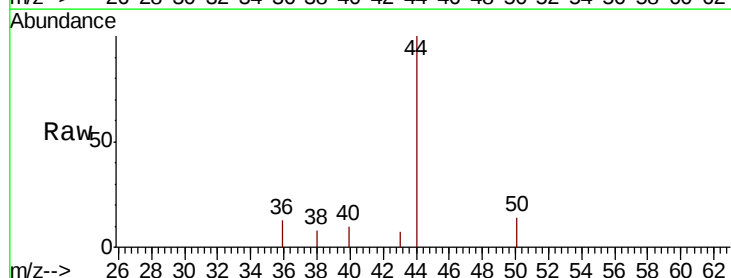
Acq: 30 Jun 2020 13:25

Tgt Ion: 50 Resp: 422

Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN062235.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN062235.D (-1) (-)

2.04

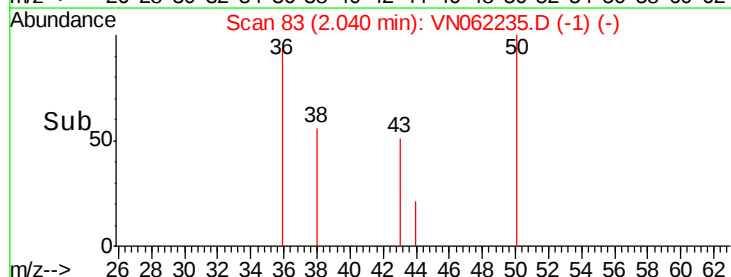
300

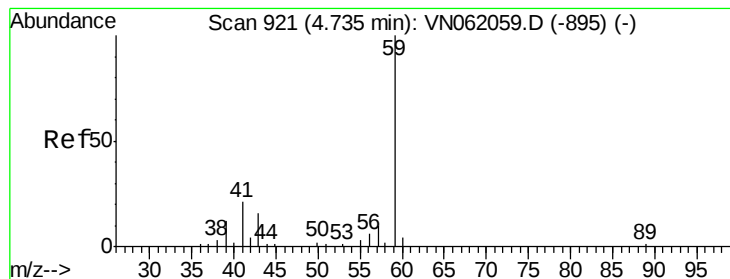
200

100

0

Time--> 2.00 2.02 2.04 2.06



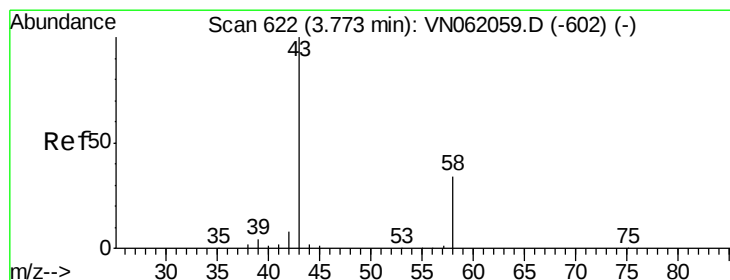
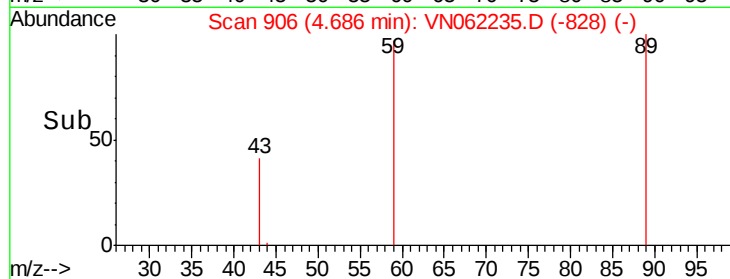
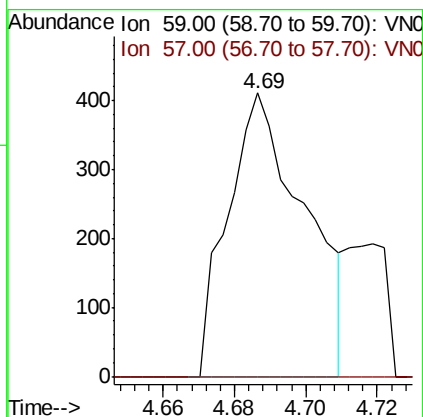
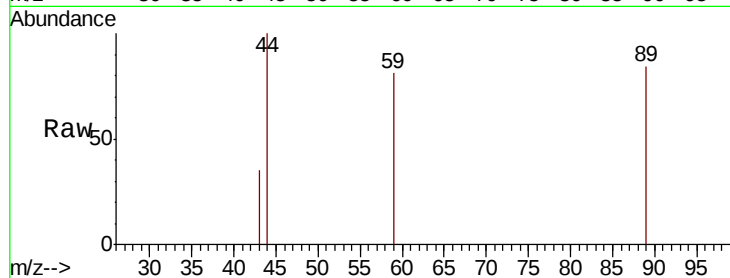


#11

Tert butyl alcohol
 Concen: 1.561 ug/l
 RT: 4.69 min Scan# 906
 Delta R.T. -0.05 min
 Lab File: VN062235.D
 Acq: 30 Jun 2020 13:25

Instrument :
 MSVOA_N
 ClientSampled :
 DRUM-COMP

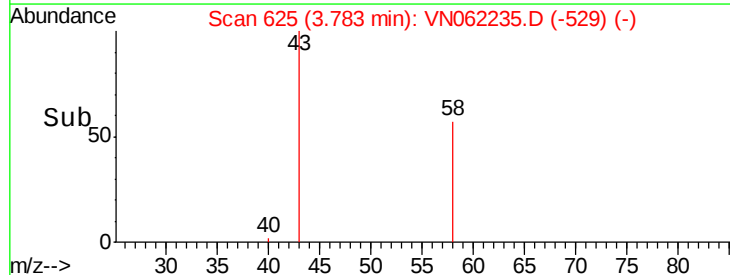
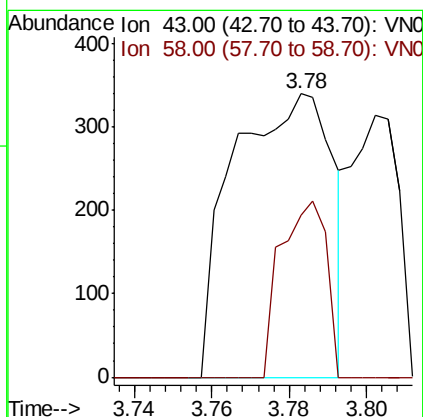
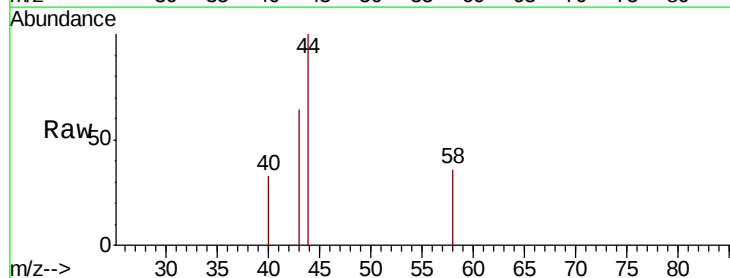
Tot Ion: 59 Resp: 614
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

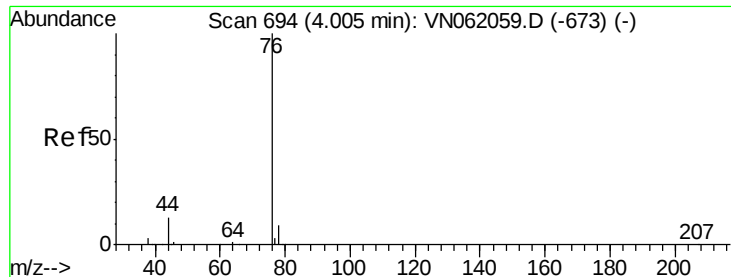


#16

Acetone
 Concen: Below Cal
 RT: 3.78 min Scan# 625
 Delta R.T. 0.01 min
 Lab File: VN062235.D
 Acq: 30 Jun 2020 13:25

Tgt Ion: 43 Resp: 604
 Ion Ratio Lower Upper
 43 100
 58 57.1 27.5 41.3#





#17

Carbon Disulfide

Concen: 0.275 ug/l

RT: 4.00 min Scan# 692

Delta R.T. -0.01 min

Lab File: VN062235.D

Acq: 30 Jun 2020 13:25

Instrument :

MSVOA_N

ClientSampleId :

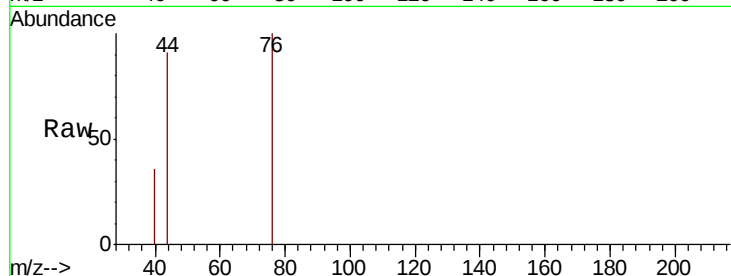
DRUM-COMP

Tot Ion: 76 Resp: 1444

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.00

600

500

400

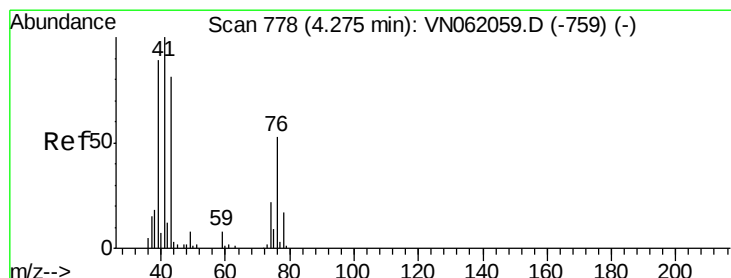
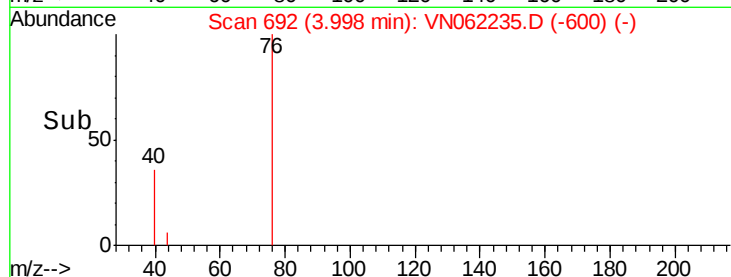
300

200

100

0

Time--> 3.95 4.00 4.05



#18

Methyl Acetate

Concen: 0.480 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.01 min

Lab File: VN062235.D

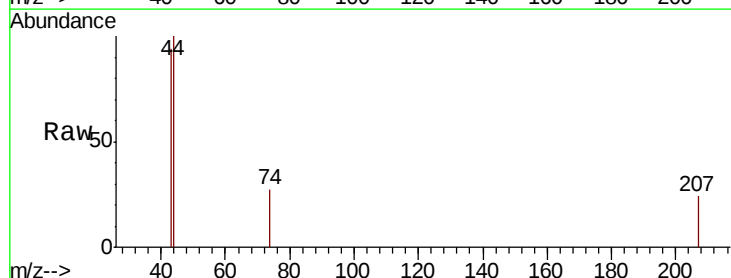
Acq: 30 Jun 2020 13:25

Tgt Ion: 43 Resp: 1045

Ion Ratio Lower Upper

43 100

74 6.7 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.28

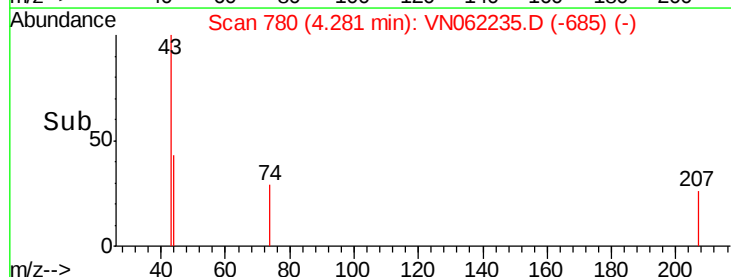
600

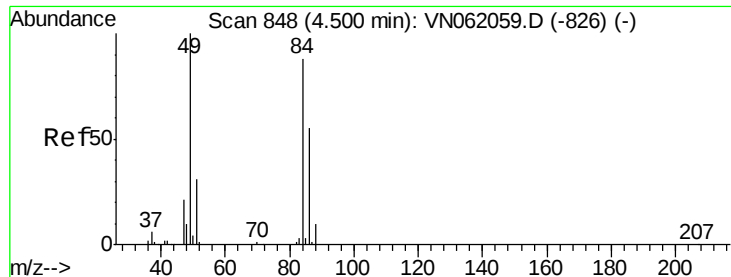
400

200

0

Time--> 4.24 4.26 4.28 4.30

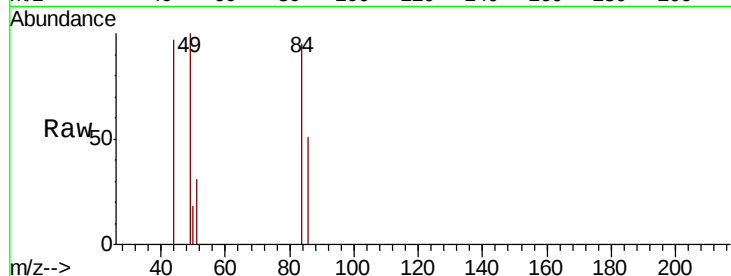




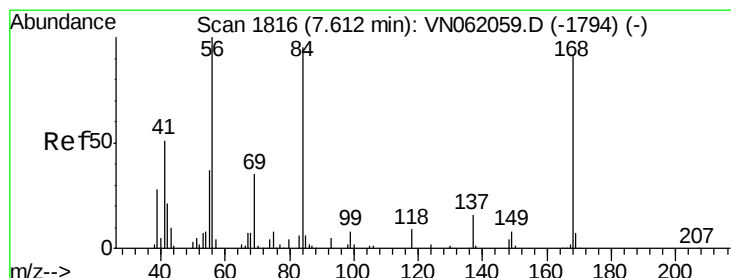
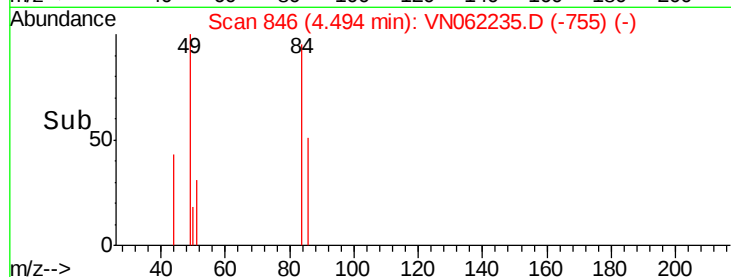
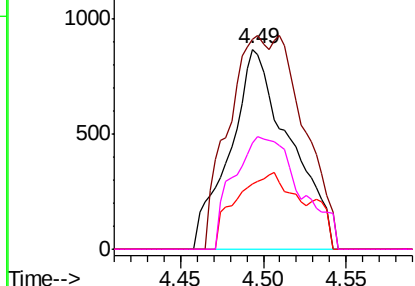
#20
Methvlene Chloride
Concen: 0.650 ug/l
RT: 4.49 min Scan# 846
Delta R.T. -0.01 min
Lab File: VN062235.D
Acq: 30 Jun 2020 13:25

Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP

Tot Ion:	84	Resp:	2174
Ion	Ratio	Lower	Upper
84	100		
49	105.2	90.6	136.0
51	32.5	27.8	41.8
86	53.2	50.1	75.1

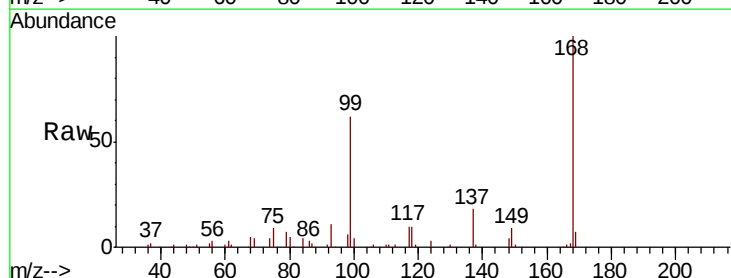


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

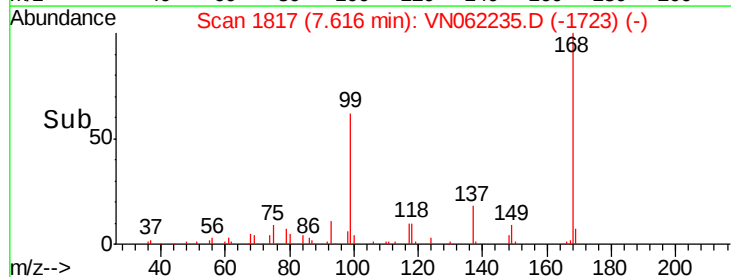
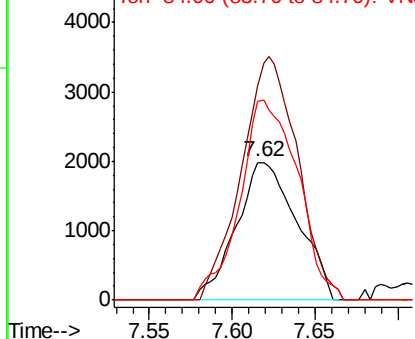


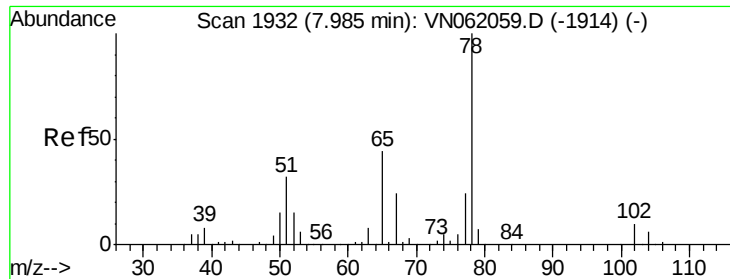
#31
Cyclohexane
Concen: 1.343 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN062235.D
Acq: 30 Jun 2020 13:25

Tgt Ion:	56	Resp:	5082
Ion	Ratio	Lower	Upper
56	100		
69	155.6	28.0	42.0#
84	144.7	76.1	114.1#



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

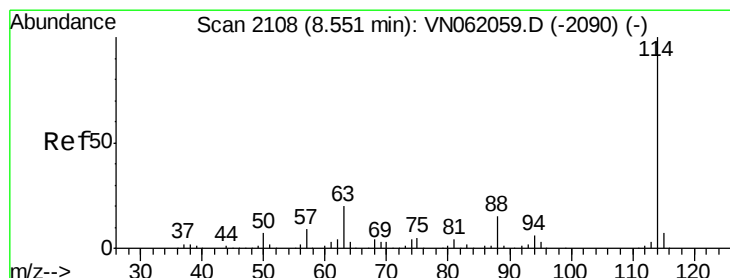
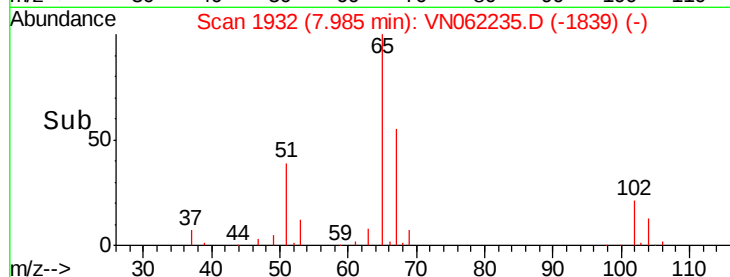
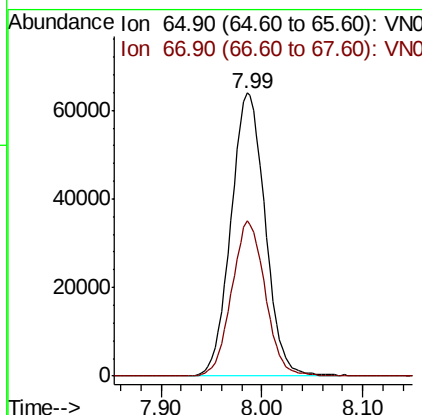
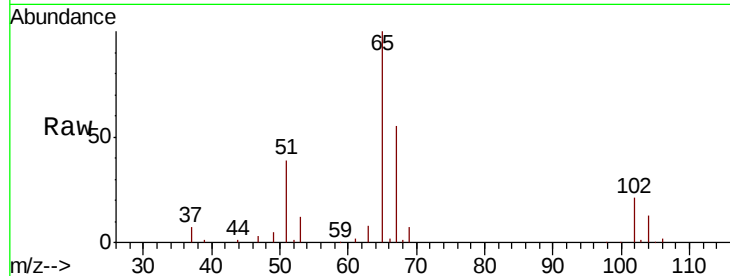




#33
 1,2-Dichloroethane-d4
 Concen: 54.967 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062235.D
 Acq: 30 Jun 2020 13:25

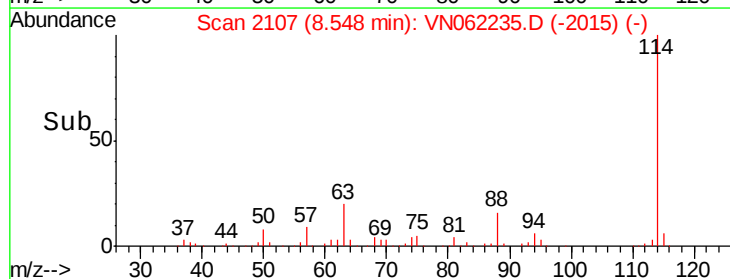
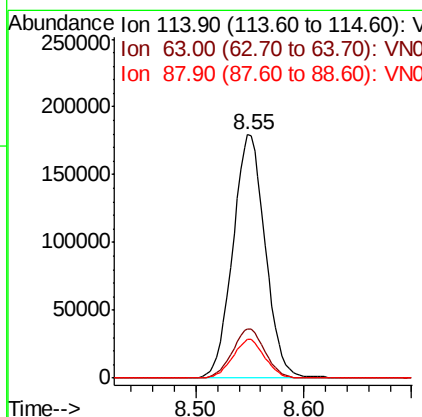
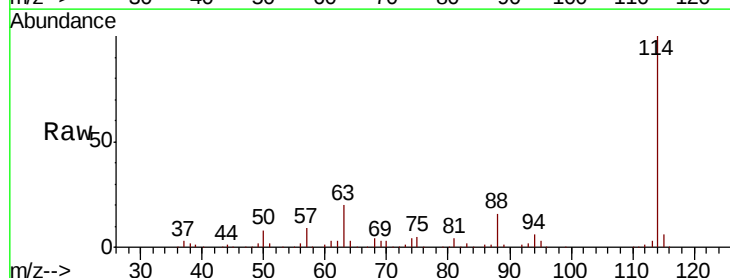
Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-COMP

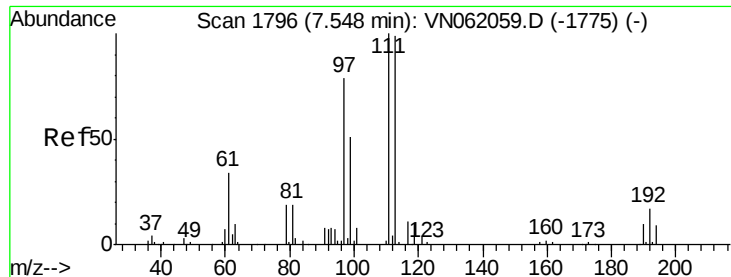
Tot Ion: 65 Resp: 150603
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062235.D
 Acq: 30 Jun 2020 13:25

Tgt Ion: 114 Resp: 375509
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.2
 88 15.9 0.0 30.8

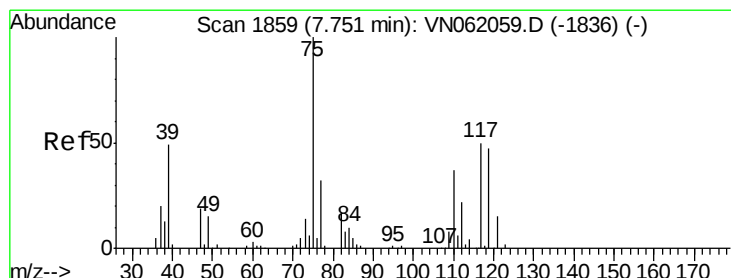
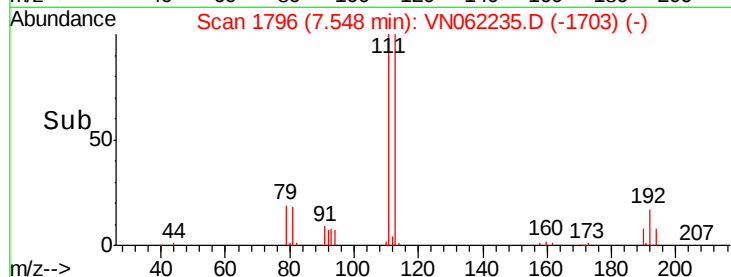
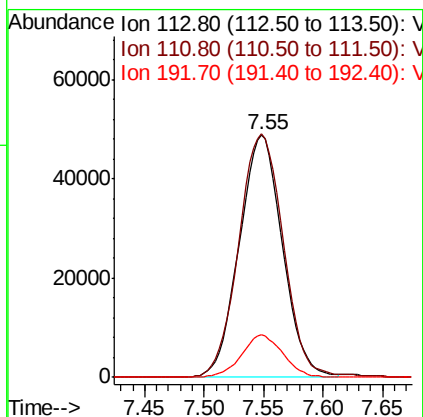
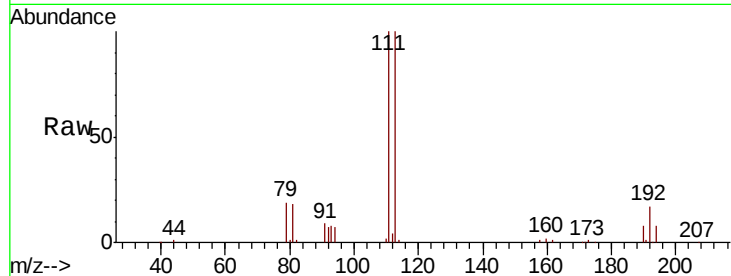




#35
 Dibromofluoromethane
 Concen: 50.912 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062235.D
 Acq: 30 Jun 2020 13:25

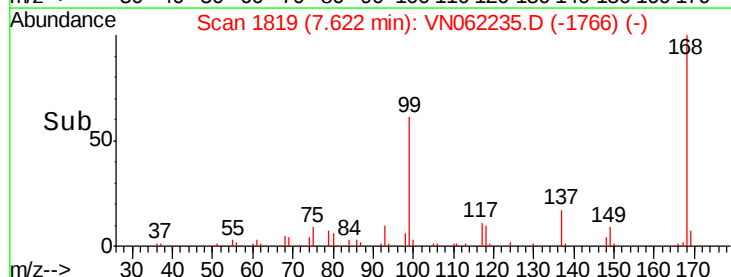
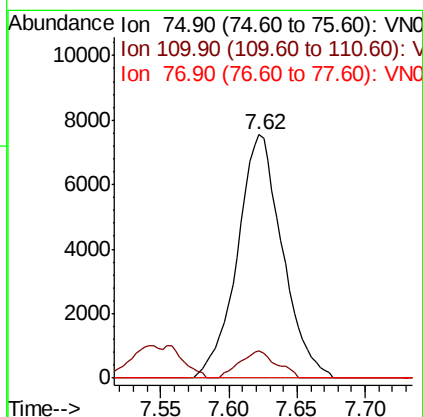
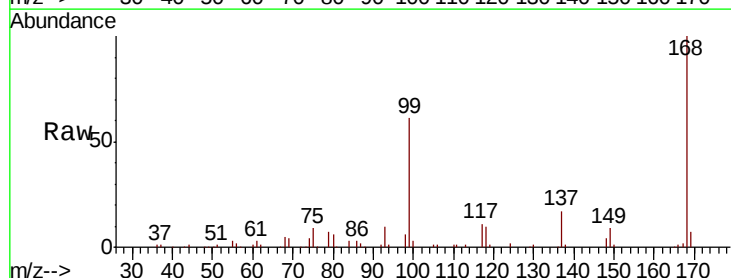
Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-COMP

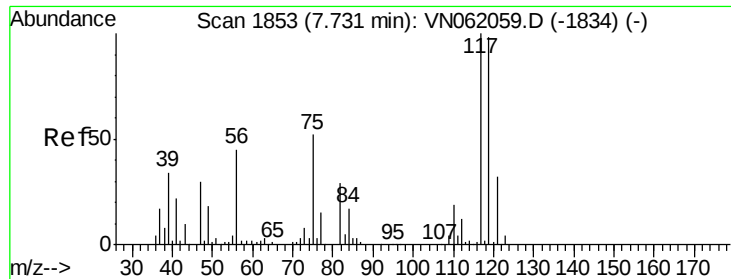
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.2	123.4
192	16.9	14.0	21.0



#36
 1,1-Dichloropropene
 Concen: 4.580 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062235.D
 Acq: 30 Jun 2020 13:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	17.9	53.8#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.812 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062235.D

Acq: 30 Jun 2020 13:25

Instrument :

MSVOA_N

ClientSampleId :

DRUM-COMP

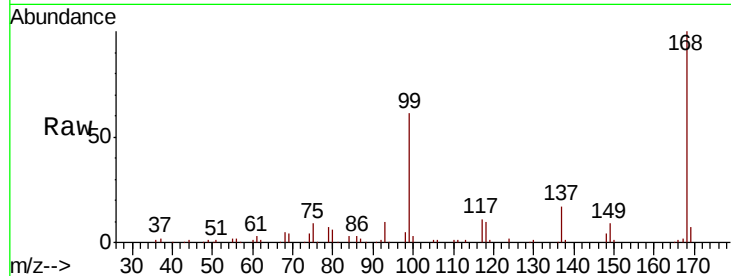
Tot Ion:117 Resp: 20681

Ion Ratio Lower Upper

117 100

119 4.7 78.2 117.2#

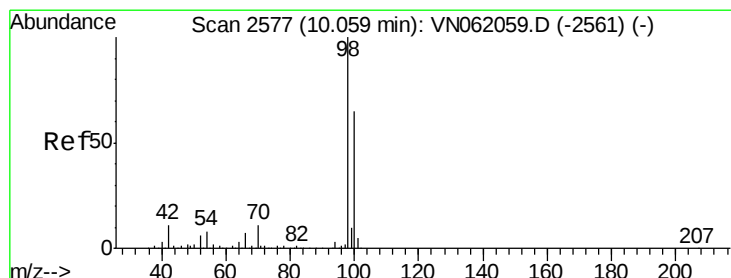
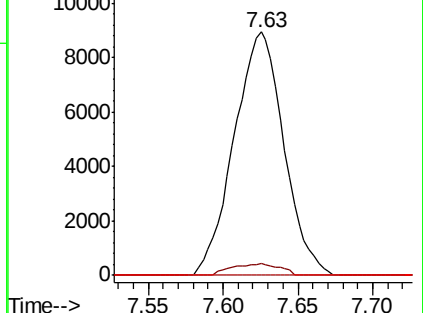
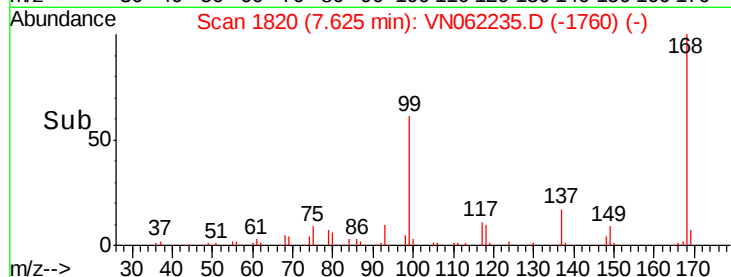
121 0.0 25.8 38.6#



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



#50

Toluene-d8

Concen: 49.572 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062235.D

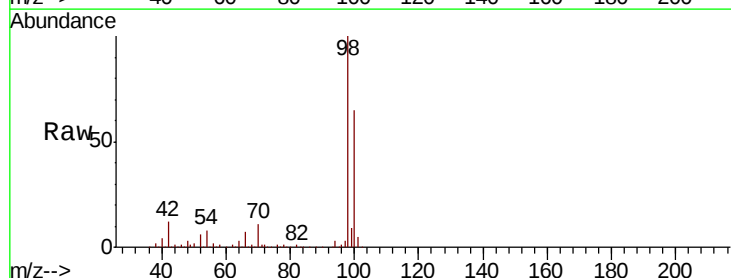
Acq: 30 Jun 2020 13:25

Tgt Ion: 98 Resp: 477375

Ion Ratio Lower Upper

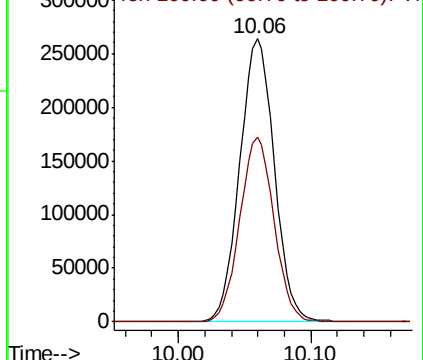
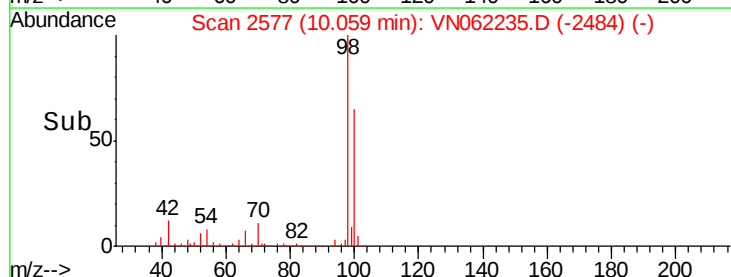
98 100

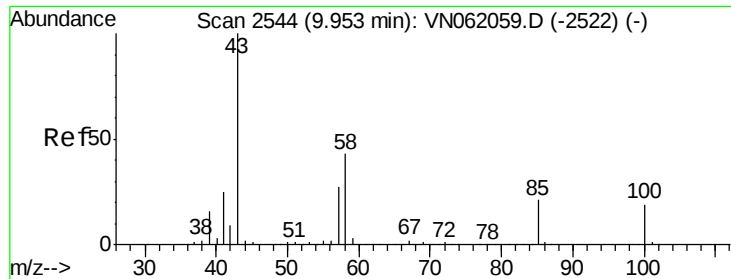
100 65.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

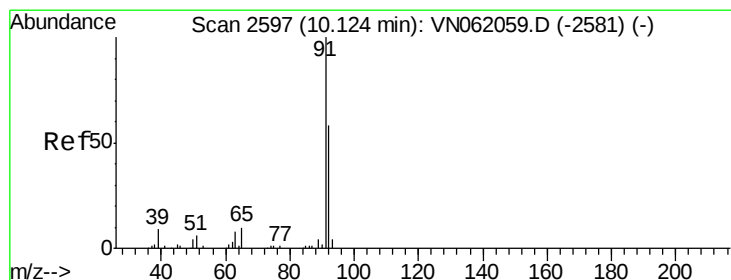
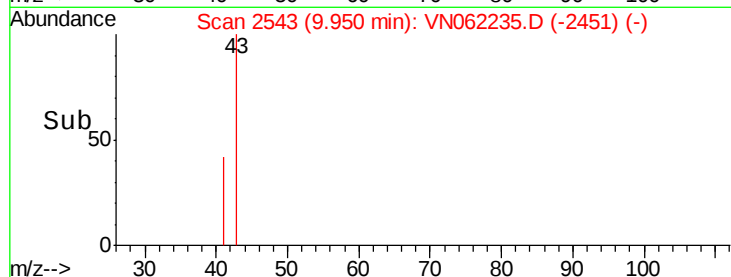
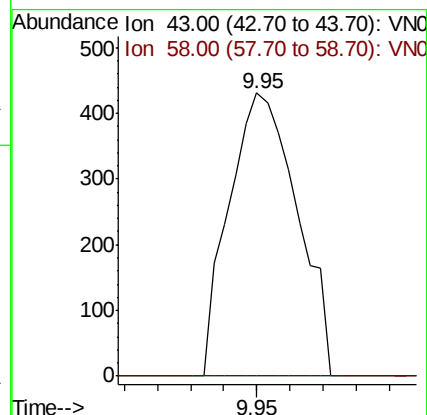
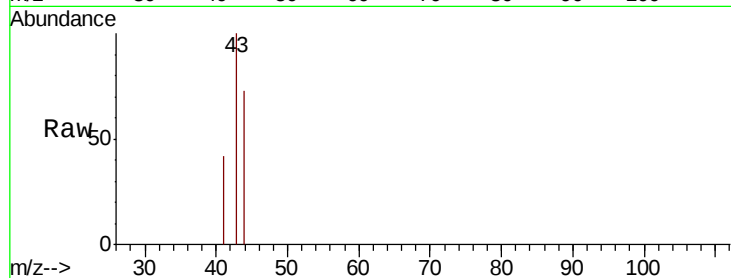




#51
4-Methyl-2-Pentanone
Concen: 0.207 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN062235.D
Acq: 30 Jun 2020 13:25

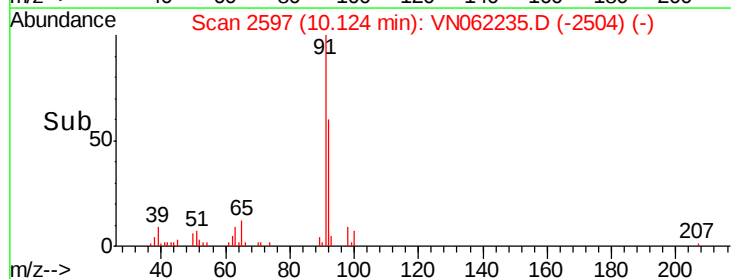
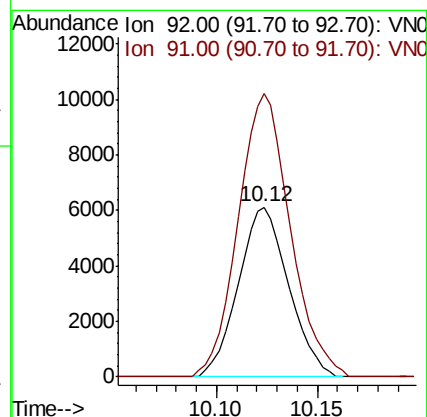
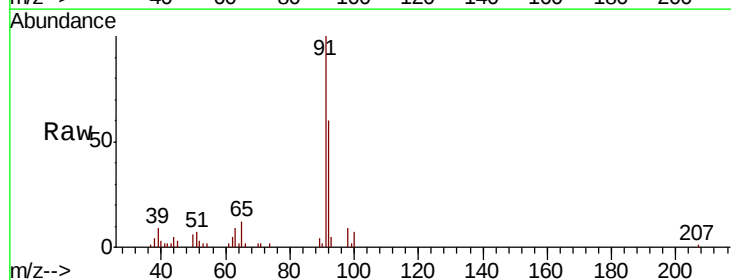
Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP

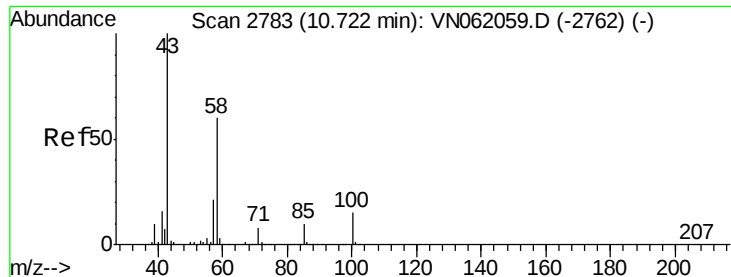
Tot Ion: 43 Resp: 616
Ion Ratio Lower Upper
43 100
58 0.0 34.2 51.2#



#52
Toluene
Concen: 1.515 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062235.D
Acq: 30 Jun 2020 13:25

Tgt Ion: 92 Resp: 10636
Ion Ratio Lower Upper
92 100
91 173.1 137.4 206.0

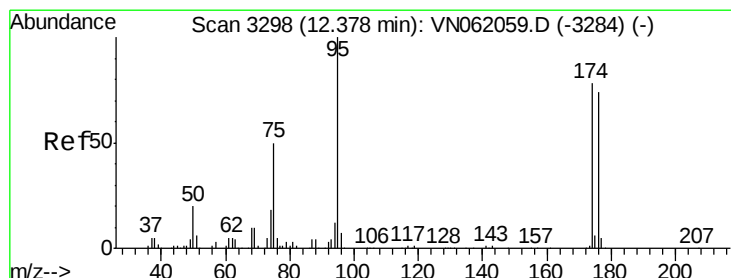
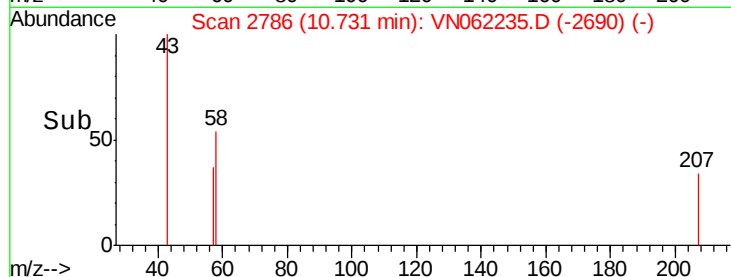
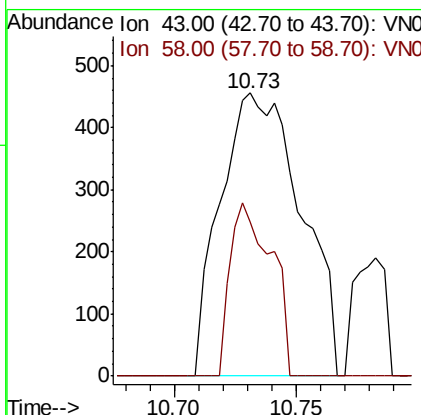
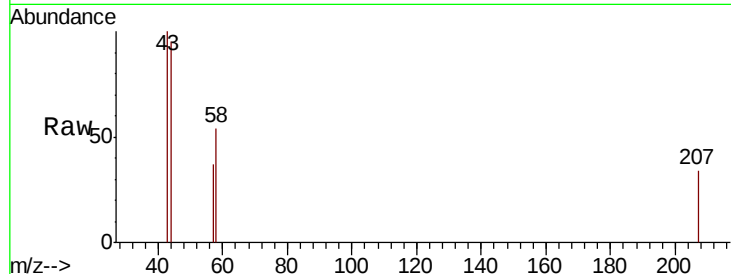




#59
2-Hexanone
Concen: 0.487 ug/l
RT: 10.73 min Scan# 2786
Delta R.T. 0.01 min
Lab File: VN062235.D
Acq: 30 Jun 2020 13:25

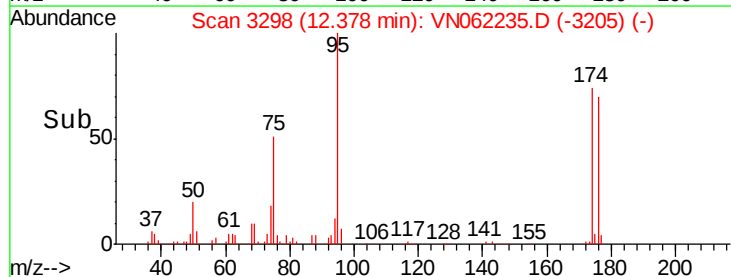
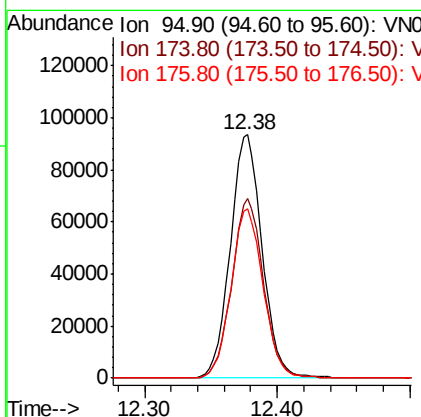
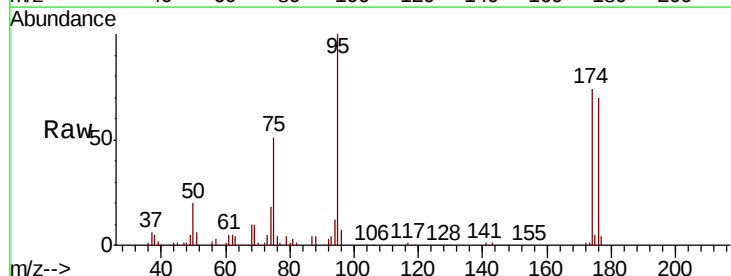
Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP

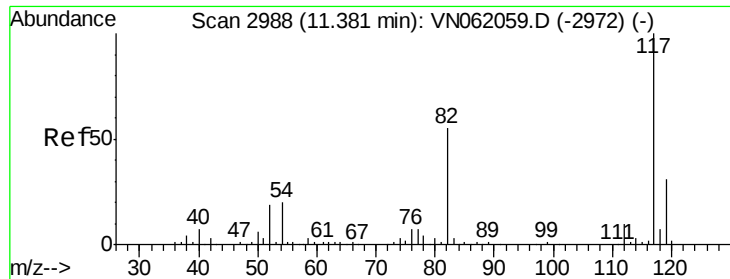
Tot Ion: 43 Resp: 1047
Ion Ratio Lower Upper
43 100
58 31.2 29.5 88.5



#62
4-Bromofluorobenzene
Concen: 47.906 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062235.D
Acq: 30 Jun 2020 13:25

Tgt Ion: 95 Resp: 155864
Ion Ratio Lower Upper
95 100
174 73.6 0.0 154.8
176 70.5 0.0 147.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062235.D

Acq: 30 Jun 2020 13:25

Instrument :

MSVOA_N

ClientSampled :

DRUM-COMP

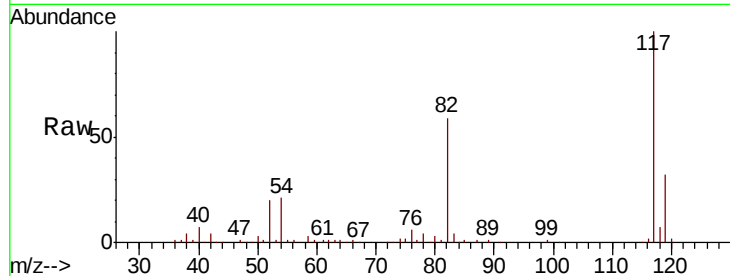
Tot Ion:117 Resp: 359541

Ion Ratio Lower Upper

117 100

82 58.8 43.8 65.8

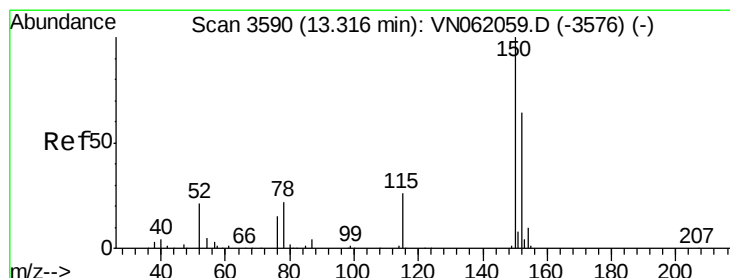
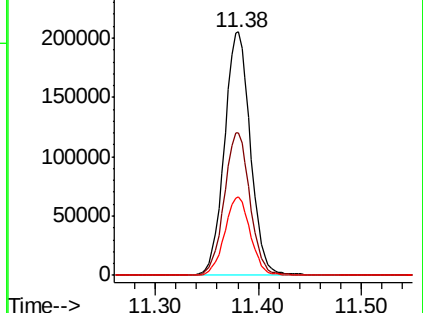
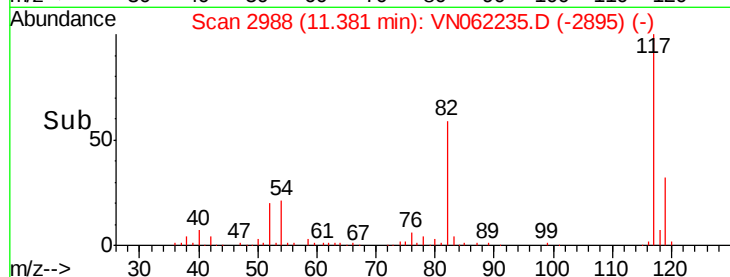
119 32.3 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062235.D

Acq: 30 Jun 2020 13:25

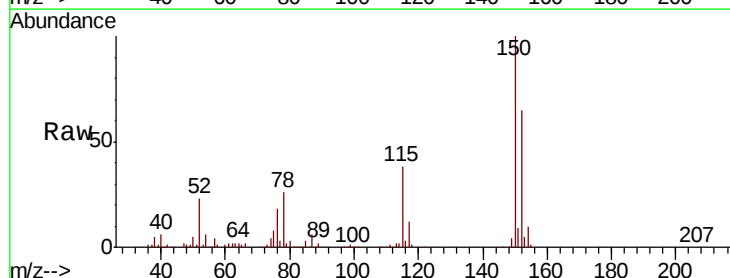
Tgt Ion:152 Resp: 131605

Ion Ratio Lower Upper

152 100

115 61.3 29.5 88.5

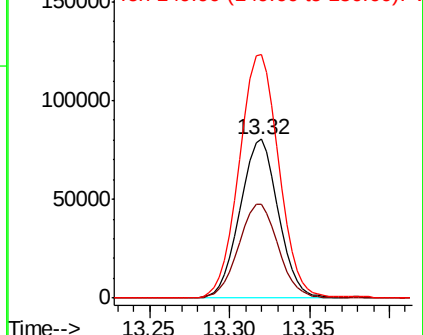
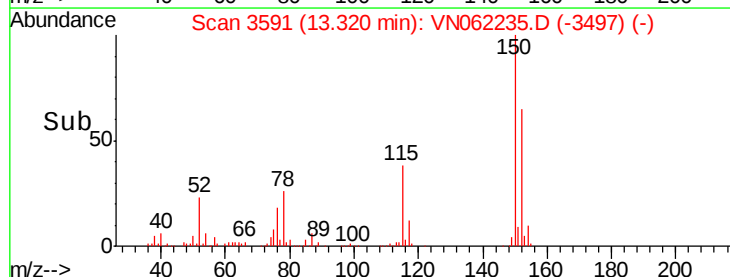
150 159.1 0.0 351.4

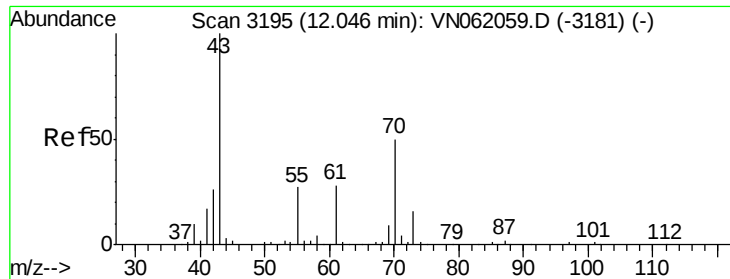


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 3.386 ug/l

RT: 12.04 min Scan# 3193

Delta R.T. -0.01 min

Lab File: VN062235.D

Acq: 30 Jun 2020 13:25

Instrument :

MSVOA_N

ClientSampleId :

DRUM-COMP

Tot Ion: 43 Resp: 171

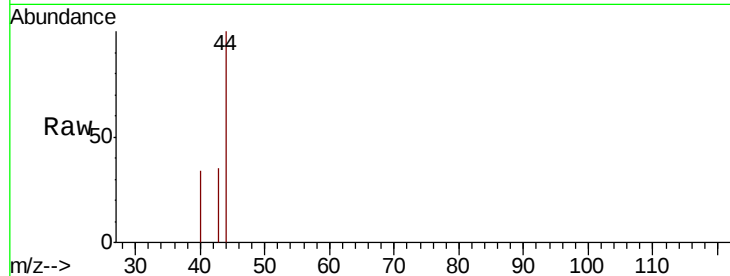
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#

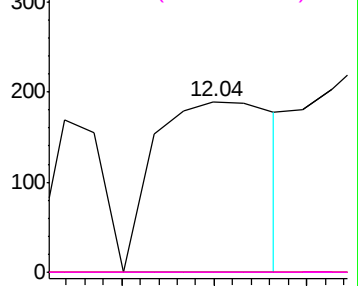


Abundance Ion 43.00 (42.70 to 43.70): VN0

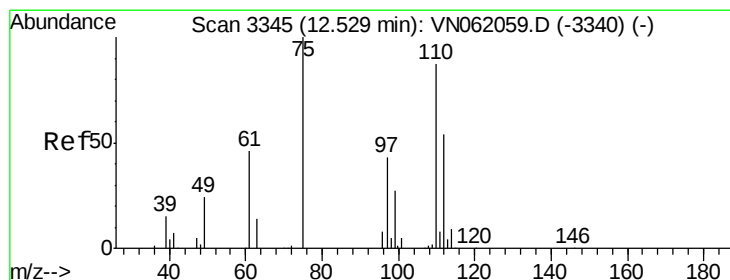
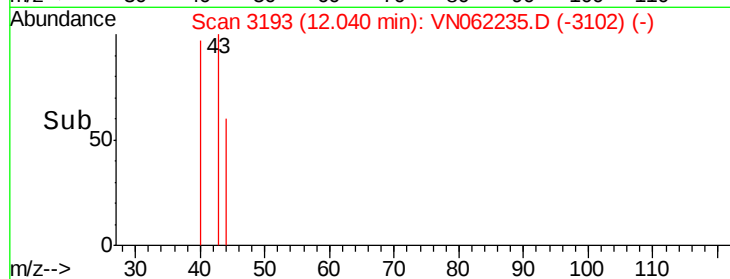
Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



Time-->



#76

1,2,3-Trichloropropane

Concen: 25.746 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062235.D

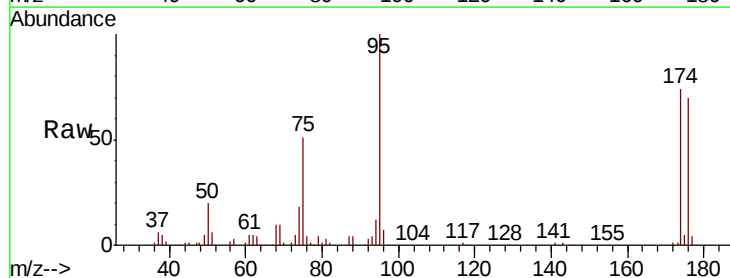
Acq: 30 Jun 2020 13:25

Tgt Ion: 75 Resp: 79763

Ion Ratio Lower Upper

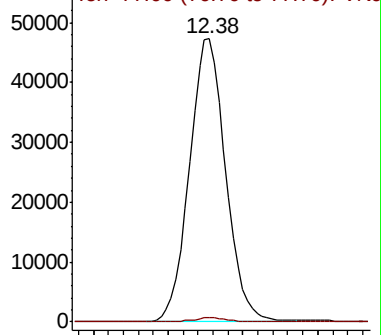
75 100

77 1.3 0.0 0.0#

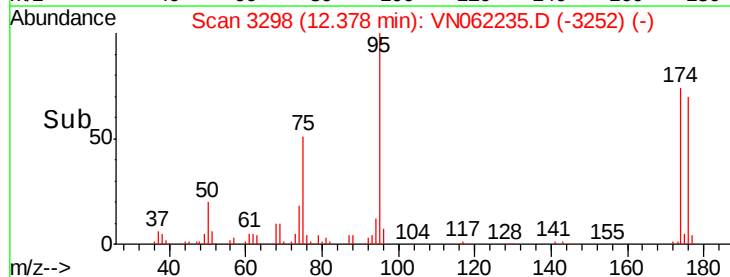


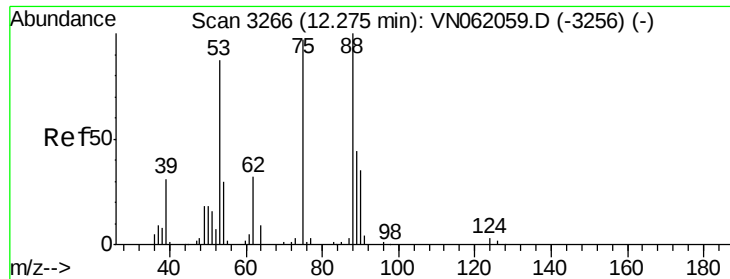
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time-->

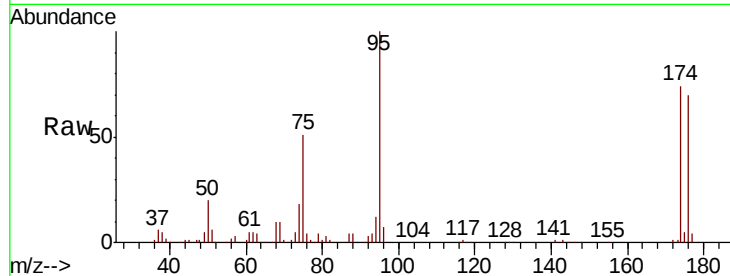




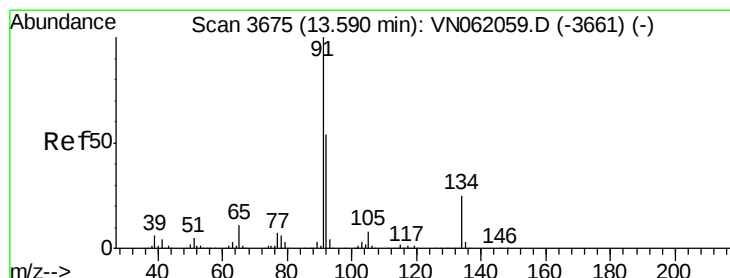
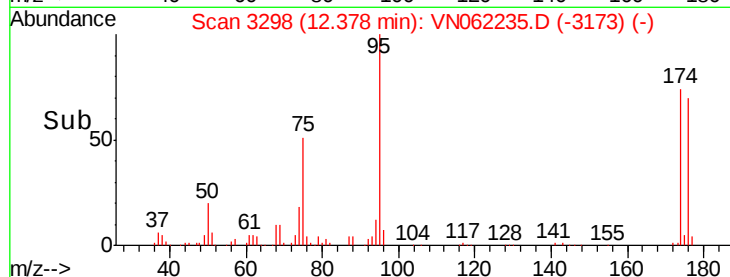
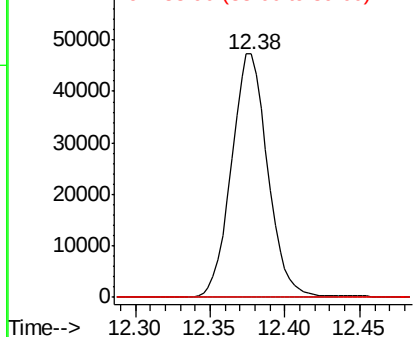
#81
trans-1,4-Dichloro-2-butene
Concen: 75.188 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.10 min
Lab File: VN062235.D
Acq: 30 Jun 2020 13:25

Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP

Tot Ion: 75 Resp: 79763
Ion Ratio Lower Upper
75 100
53 0.0 72.0 108.0#
89 0.0 36.9 55.3#

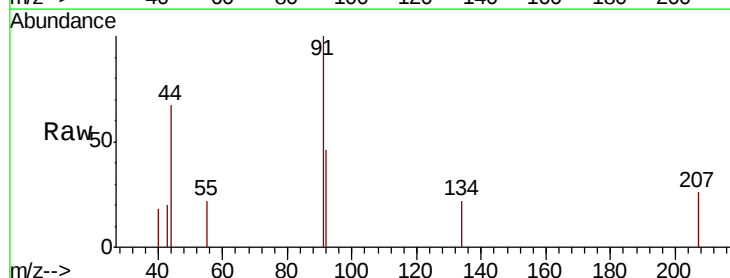


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

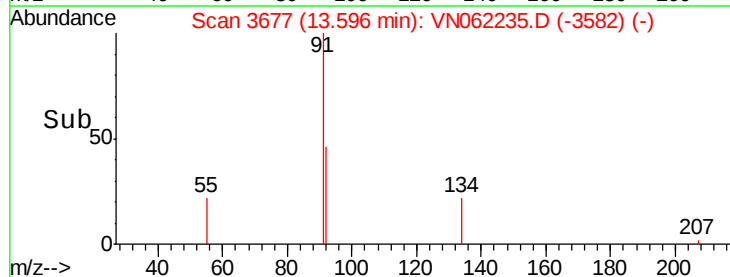
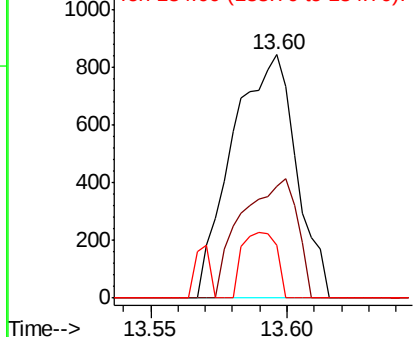


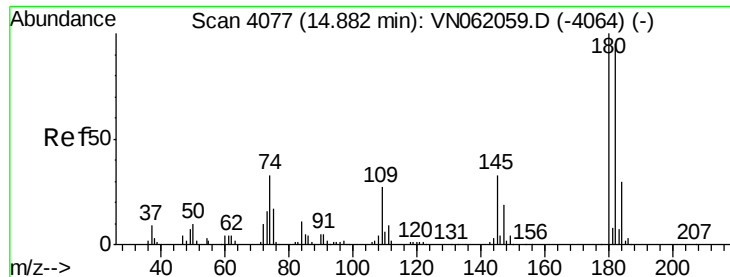
#89
n-Butylbenzene
Concen: 0.202 ug/l
RT: 13.60 min Scan# 3677
Delta R.T. 0.01 min
Lab File: VN062235.D
Acq: 30 Jun 2020 13:25

Tgt Ion: 91 Resp: 1372
Ion Ratio Lower Upper
91 100
92 42.7 26.6 79.7
134 14.4 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

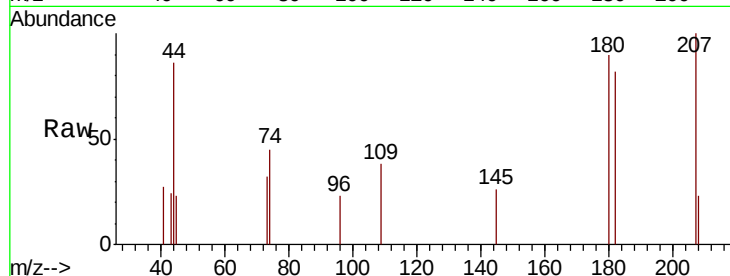




#93
 1,2,4-Trichlorobenzene
 Concen: 0.473 ug/l
 RT: 14.89 min Scan# 4079
 Delta R.T. 0.01 min
 Lab File: VN062235.D
 Acq: 30 Jun 2020 13:25

Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-COMP

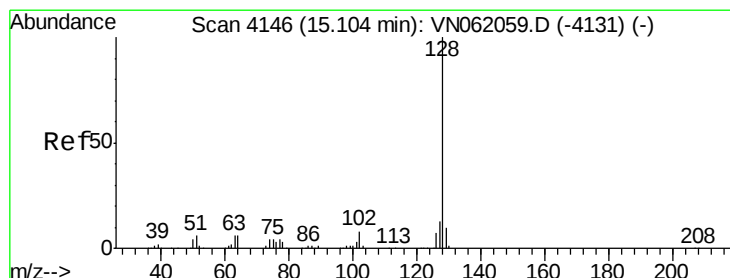
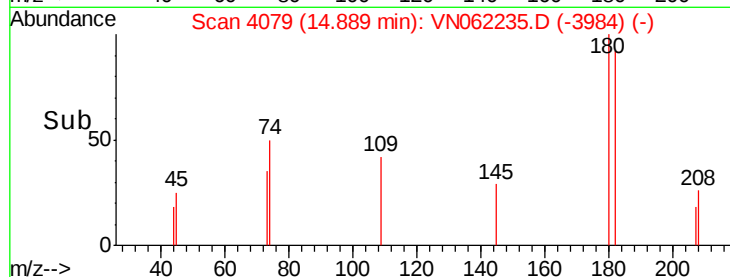
Tot Ion:180 Resp: 889
 Ion Ratio Lower Upper
 180 100
 182 80.4 48.0 144.2
 145 18.3 16.0 48.0



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

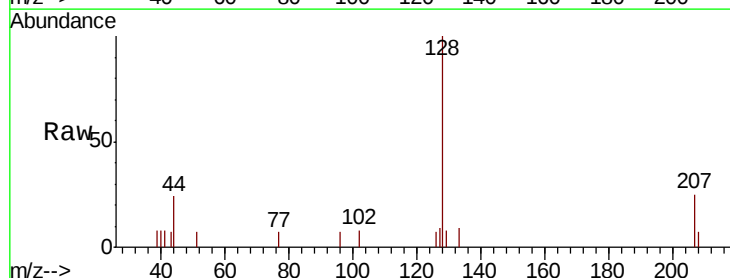
14.89

Time-->



#95
 Naphthalene
 Concen: 4.610 ug/l
 RT: 15.11 min Scan# 4147
 Delta R.T. 0.00 min
 Lab File: VN062235.D
 Acq: 30 Jun 2020 13:25

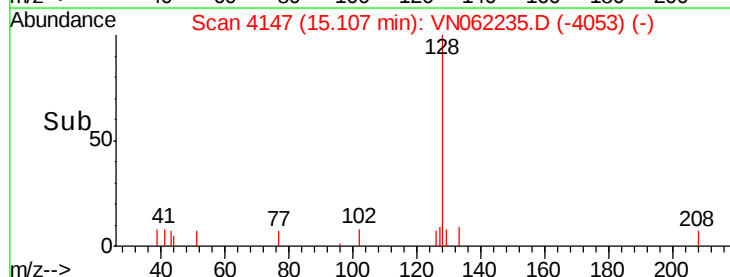
Tgt Ion:128 Resp: 4191
 Ion Ratio Lower Upper
 128 100
 127 4.7 10.5 15.7#
 129 5.5 8.6 13.0#

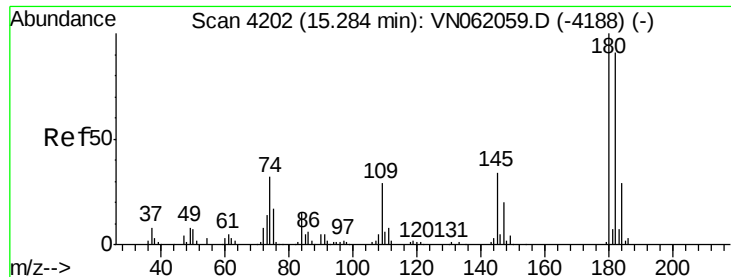


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

15.11

Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 0.571 ug/l
 RT: 15.28 min Scan# 4202
 Delta R.T. -0.00 min
 Lab File: VN062235.D
 Acq: 30 Jun 2020 13:25

Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-COMP

Tot Ion:180 Resp: 1099
 Ion Ratio Lower Upper
 180 100
 182 65.4 46.8 140.4
 145 16.9 16.4 49.2

