

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN060820\
 Data File : VN061702.D
 Acq On : 8 Jun 2020 17:41
 Operator : JC/MD
 Sample : L2939-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PHC-326FB-010

Quant Time: Jun 09 03:13:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	306741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	530040	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	539639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	241072	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	173963	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
35) Dibromofluoromethane	7.55	113	150743	56.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.12%	
50) Toluene-d8	10.06	98	642691	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
62) 4-Bromofluorobenzene	12.38	95	233294	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	

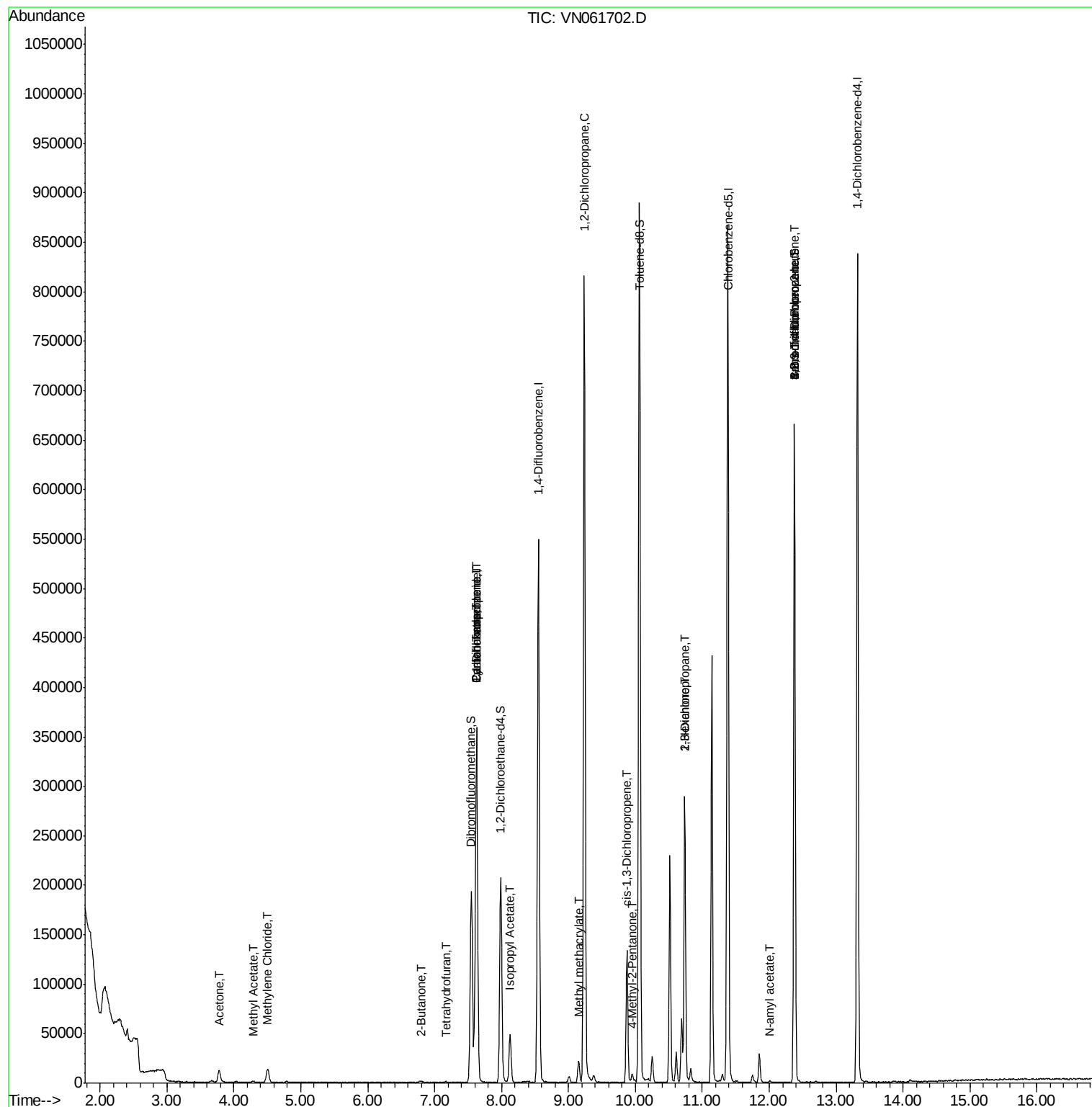
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	20314	14.32	ug/l	92
18) Methyl Acetate	4.29	43	2718	0.82	ug/l #	71
20) Methylene Chloride	4.50	84	11438	1.77	ug/l	95
25) 2-Butanone	6.81	43	2818	1.63	ug/l #	74
29) Tetrahydrofuran	7.17	42	689	0.60	ug/l #	78
31) Cyclohexane	7.62	56	5121	0.99	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	20877	4.45	ug/l #	49
38) Carbon Tetrachloride	7.63	117	28263	6.24	ug/l #	16
43) Isopropyl Acetate	8.13	43	54146	7.96	ug/l #	91
45) 1,2-Dichloropropane	9.24	63	930	0.27	ug/l #	44
48) Methyl methacrylate	9.15	41	2581	0.84	ug/l #	5
51) 4-Methyl-2-Pentanone	9.95	43	4952	1.29	ug/l #	86
54) cis-1,3-Dichloropropene	9.87	75	27624	4.57	ug/l #	62
57) 1,3-Dichloropropane	10.73	76	3393	0.56	ug/l #	42
59) 2-Hexanone	10.74	43	35462	12.89	ug/l #	48
71) Bromoform	12.37	173	1923	0.60	ug/l #	1
74) N-amyl acetate	12.01	43	1624	0.29	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	111407	25.41	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	111407	64.99	ug/l #	15

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061702.D

Acq: 8 Jun 2020 17:41

Instrument :

MSVOA_N

ClientSampleId :

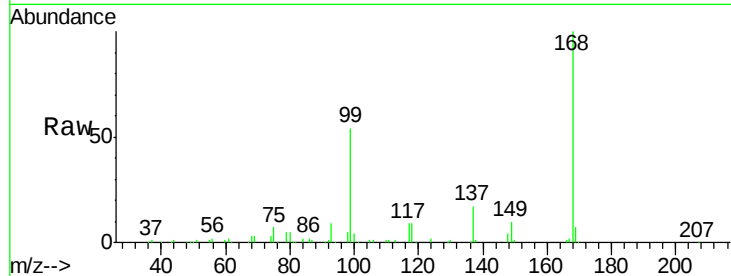
PHC-326FB-010

Tgt Ion:168 Resp: 306741

Ion Ratio Lower Upper

168 100

99 53.6 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

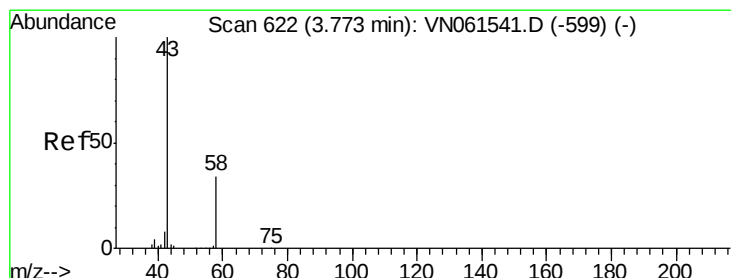
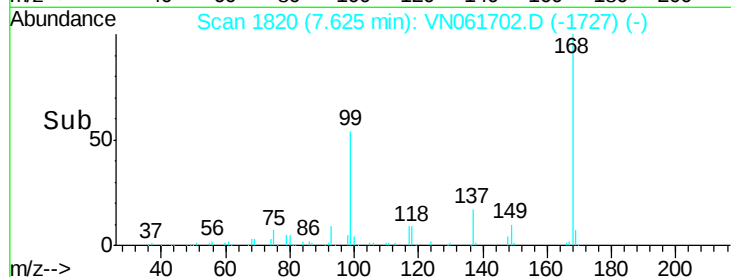
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 14.32 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN061702.D

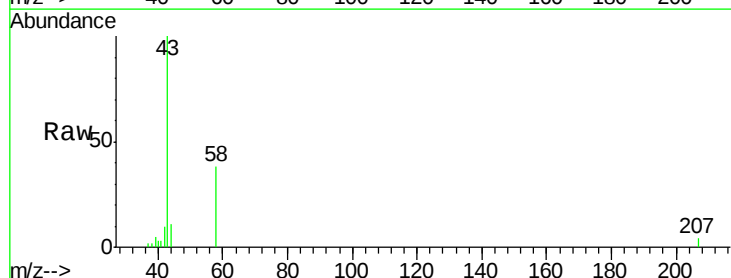
Acq: 8 Jun 2020 17:41

Tgt Ion: 43 Resp: 20314

Ion Ratio Lower Upper

43 100

58 38.5 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.78

8000

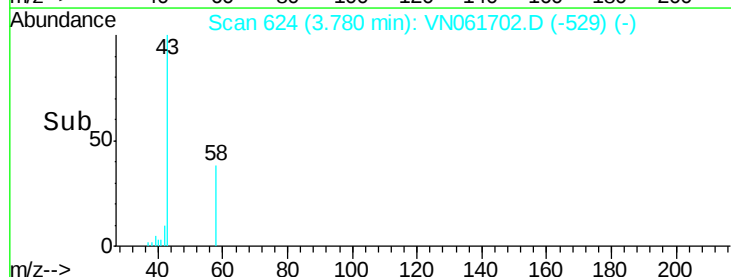
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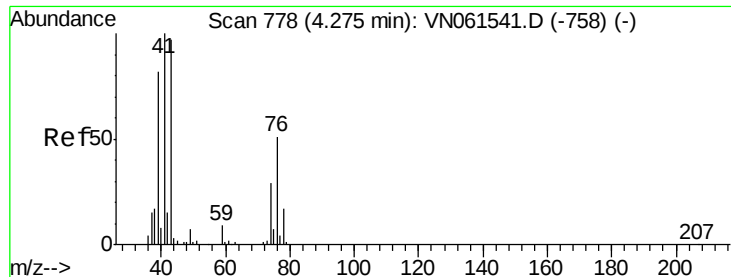
4000

2000

0

Time--> 3.70 3.80 3.90

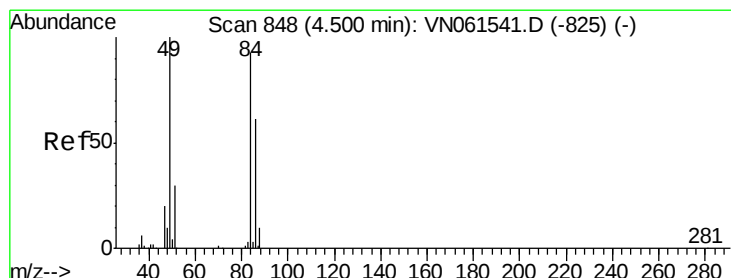
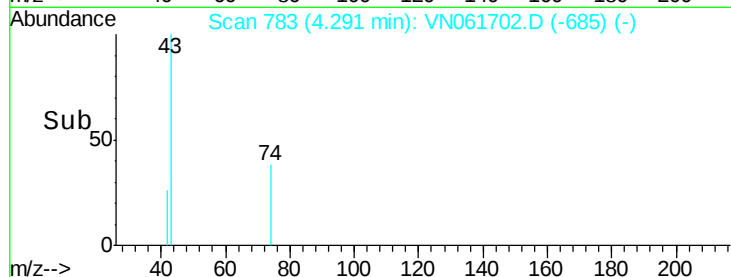
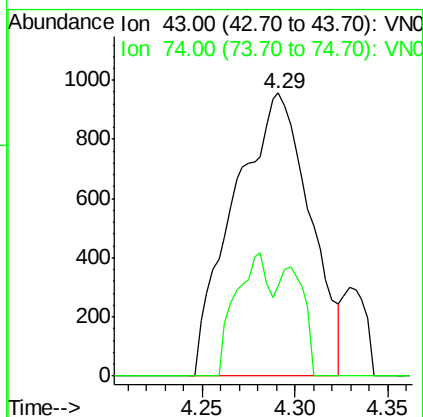
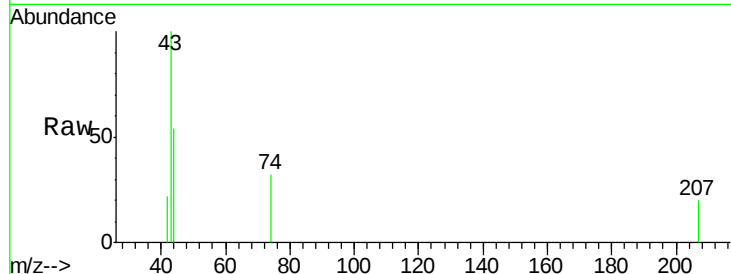




#18
Methyl Acetate
Concen: 0.82 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.02 min
Lab File: VN061702.D
Acq: 8 Jun 2020 17:41

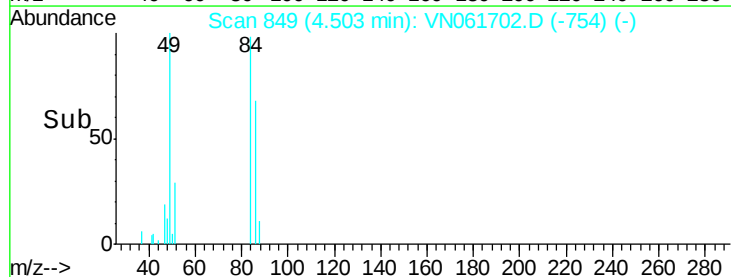
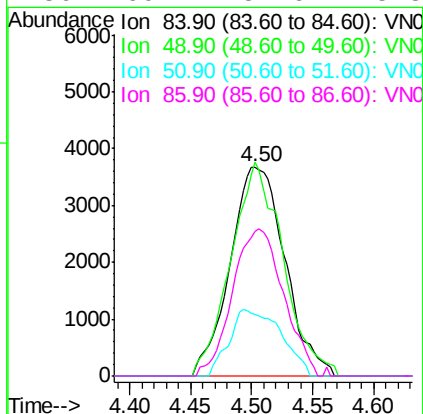
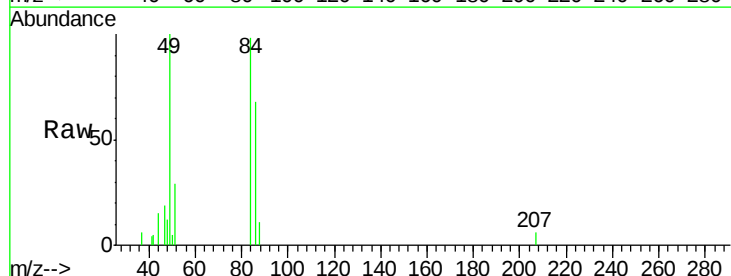
Instrument :
MSVOA_N
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PHC-326FB-010

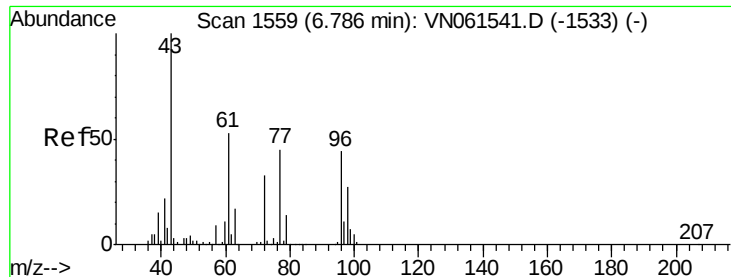
Tgt Ion: 43 Resp: 2718
Ion Ratio Lower Upper
43 100
74 13.5 23.2 34.8#



#20
Methylene Chloride
Concen: 1.77 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061702.D
Acq: 8 Jun 2020 17:41

Tgt Ion: 84 Resp: 11438
Ion Ratio Lower Upper
84 100
49 102.3 85.8 128.8
51 29.2 26.2 39.2
86 69.4 52.6 78.8

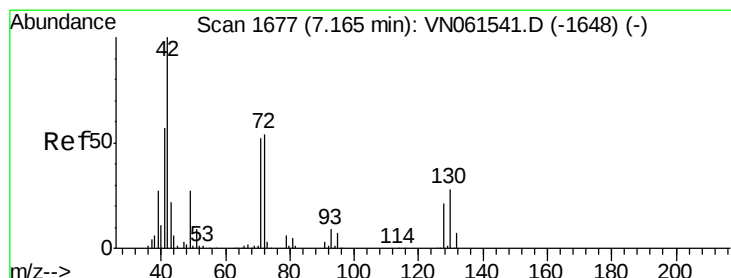
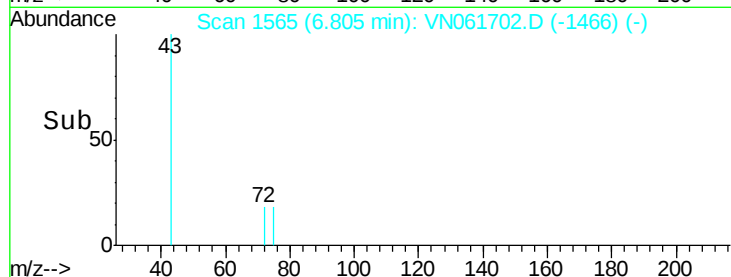
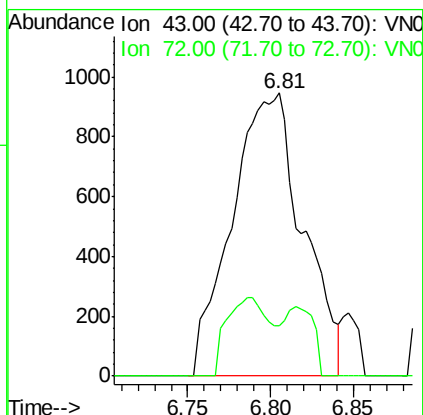
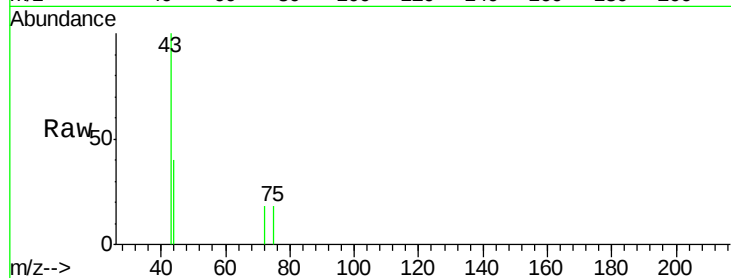




#25
2-Butanone
Concen: 1.63 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.02 min
Lab File: VN061702.D
Acq: 8 Jun 2020 17:41

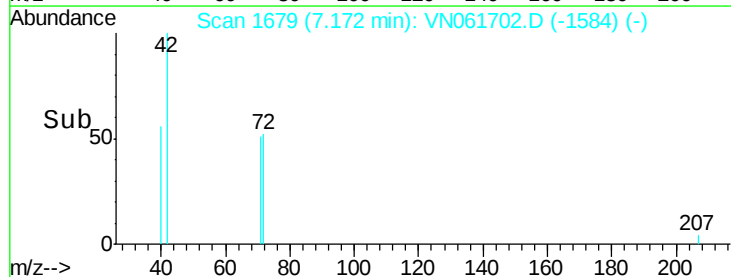
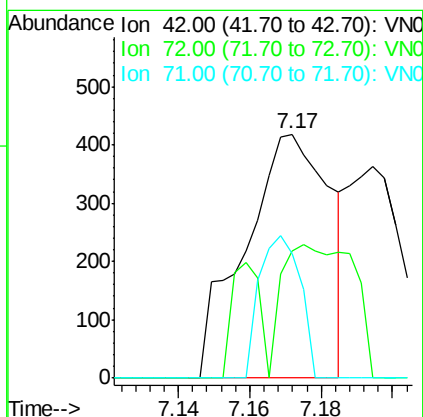
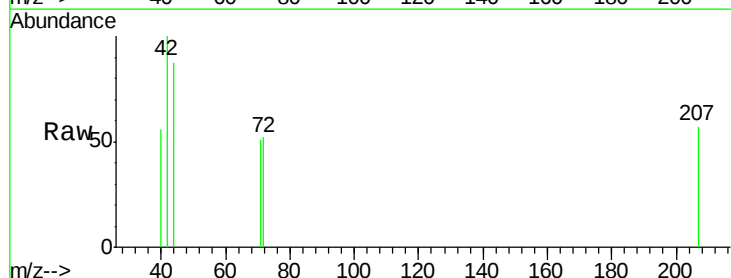
Instrument :
MSVOA_N
ClientSampleId :
PHC-326FB-010

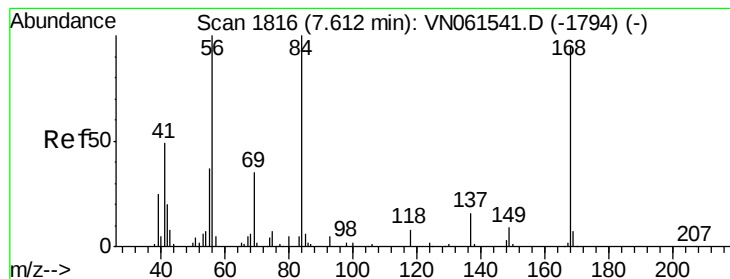
Tgt Ion: 43 Resp: 2818
Ion Ratio Lower Upper
43 100
72 17.8 26.0 39.0#



#29
Tetrahydrofuran
Concen: 0.60 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.01 min
Lab File: VN061702.D
Acq: 8 Jun 2020 17:41

Tgt Ion: 42 Resp: 689
Ion Ratio Lower Upper
42 100
72 46.2 43.6 65.4
71 28.0 41.2 61.8#





#31

Cyclohexane

Concen: 0.99 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN061702.D

Acq: 8 Jun 2020 17:41

Instrument :

MSVOA_N

ClientSampleId :

PHC-326FB-010

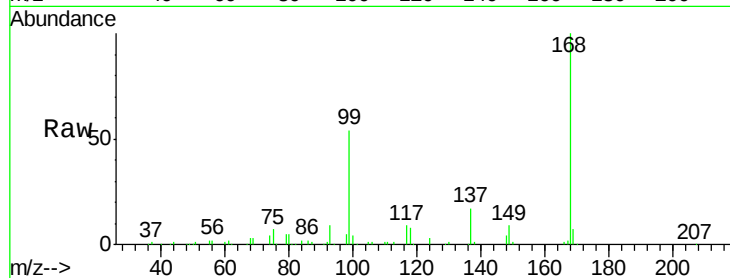
Tgt Ion: 56 Resp: 5121

Ion Ratio Lower Upper

56 100

69 205.4 27.8 41.8#

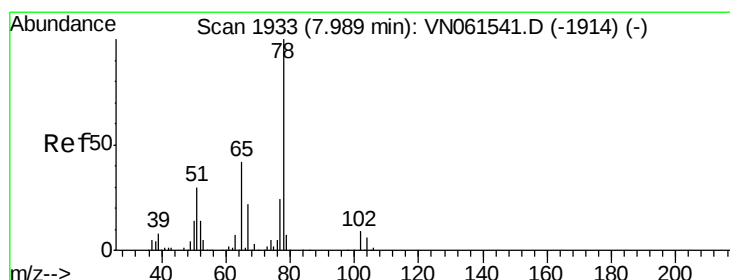
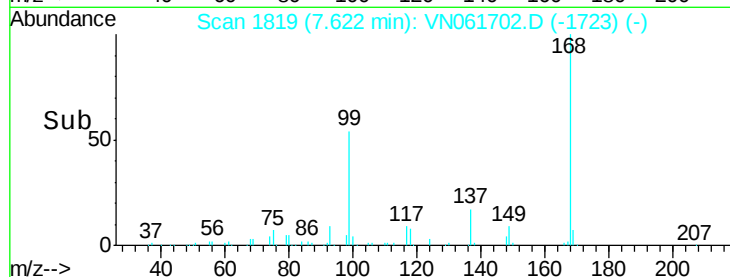
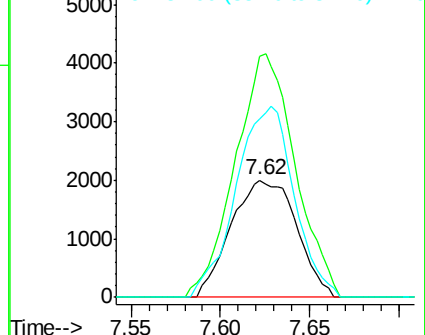
84 152.6 79.9 119.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 47.60 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061702.D

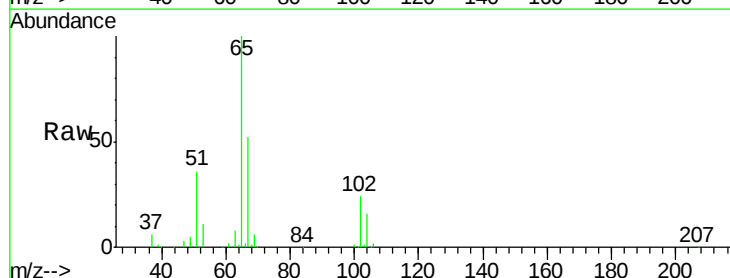
Acq: 8 Jun 2020 17:41

Tgt Ion: 65 Resp: 173963

Ion Ratio Lower Upper

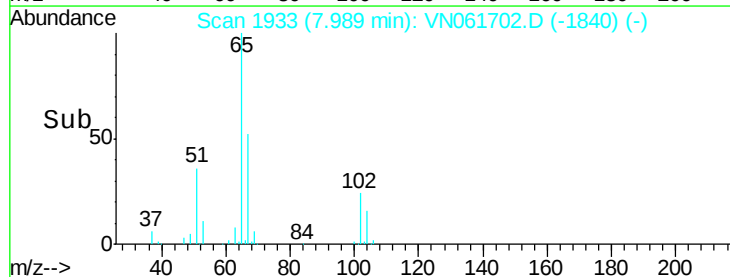
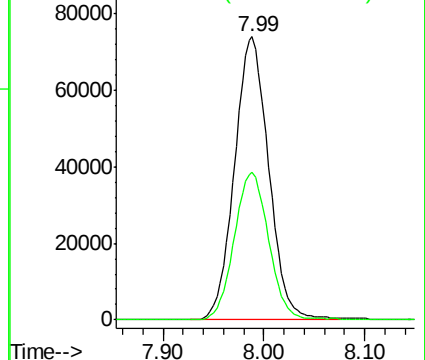
65 100

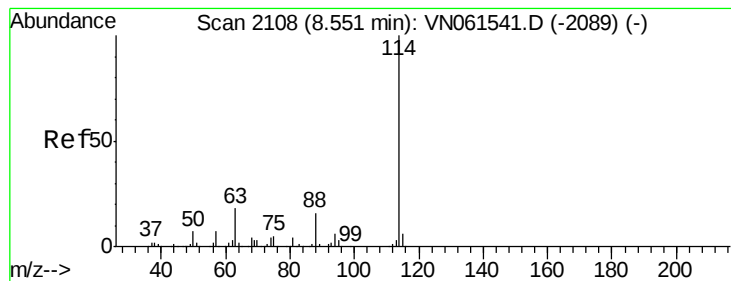
67 52.4 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN061702.D

Acq: 8 Jun 2020 17:41

Instrument :

MSVOA_N

ClientSampleId :

PHC-326FB-010

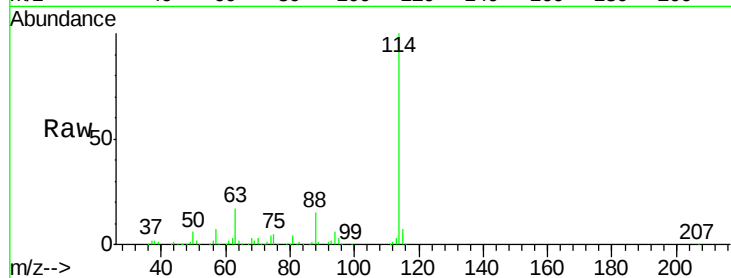
Tgt Ion:114 Resp: 530040

Ion Ratio Lower Upper

114 100

63 16.8 0.0 35.8

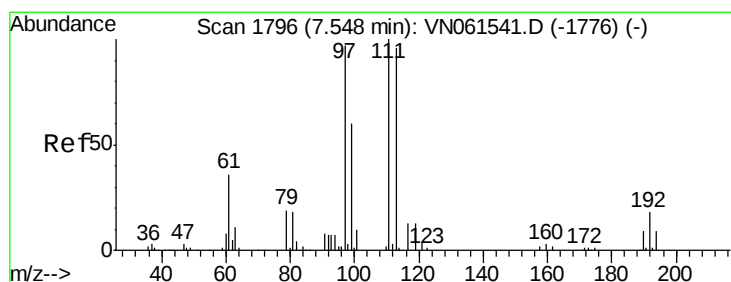
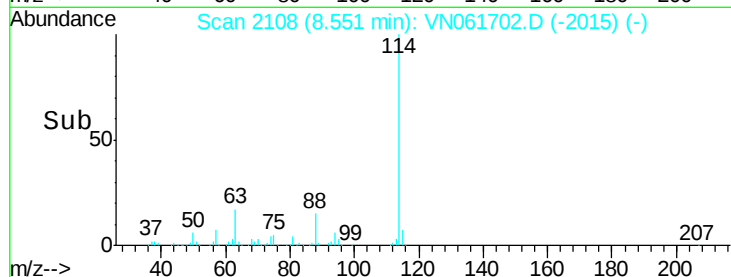
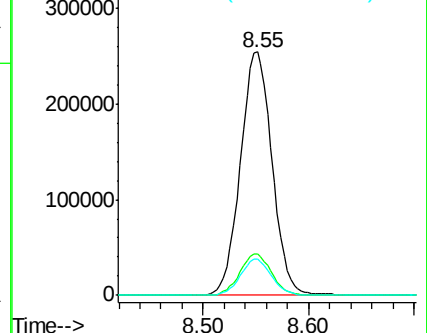
88 14.9 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 56.06 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN061702.D

Acq: 8 Jun 2020 17:41

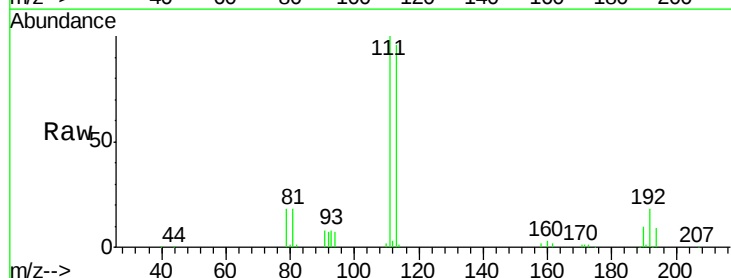
Tgt Ion:113 Resp: 150743

Ion Ratio Lower Upper

113 100

111 101.1 83.4 125.0

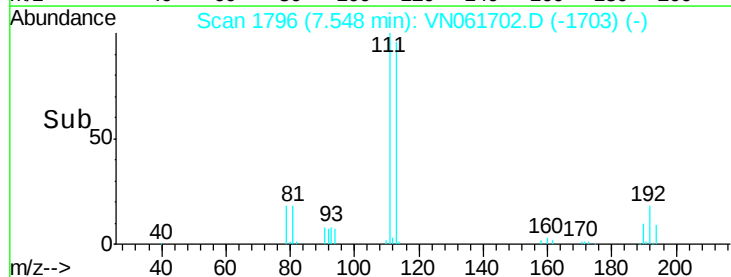
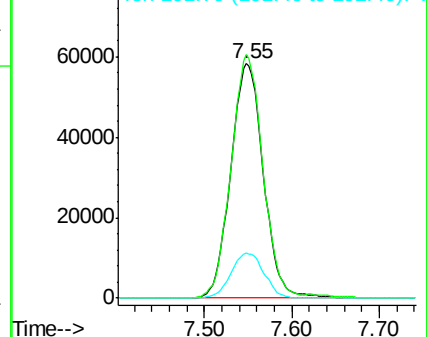
192 19.3 15.4 23.2

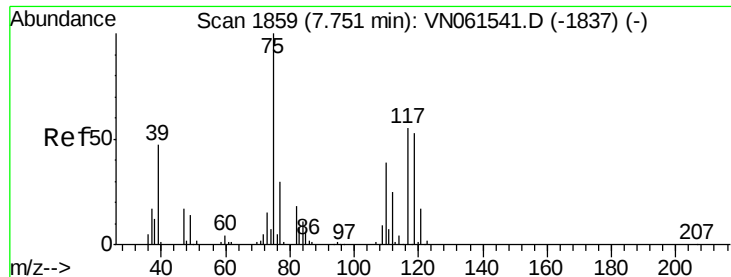


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

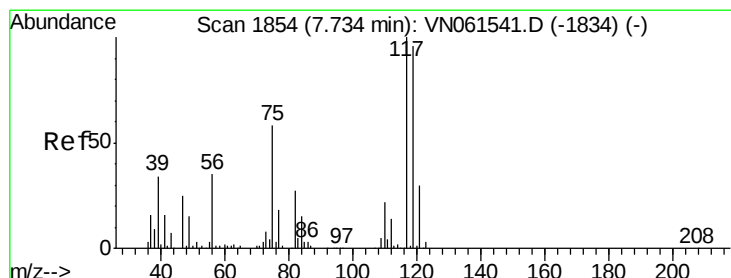
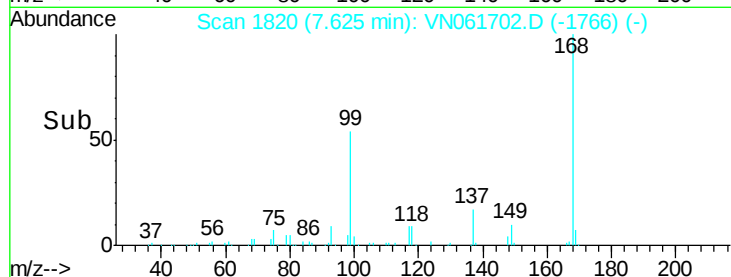
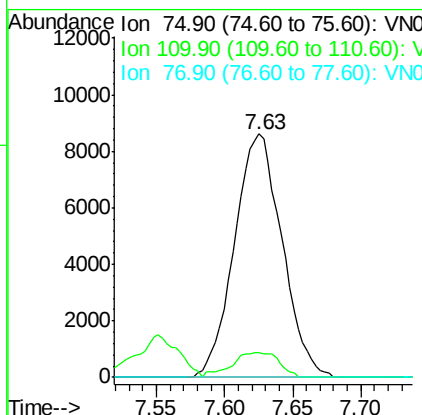
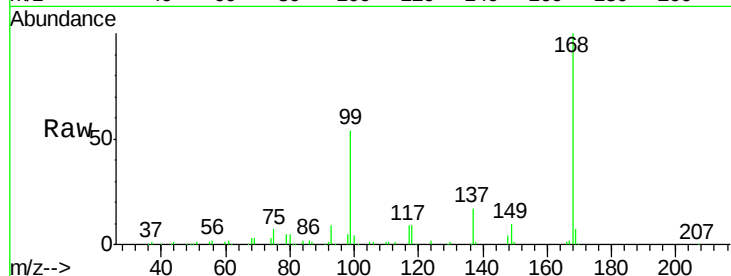




#36
 1,1-Dichloropropene
 Concen: 4.45 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061702.D
 Acq: 8 Jun 2020 17:41

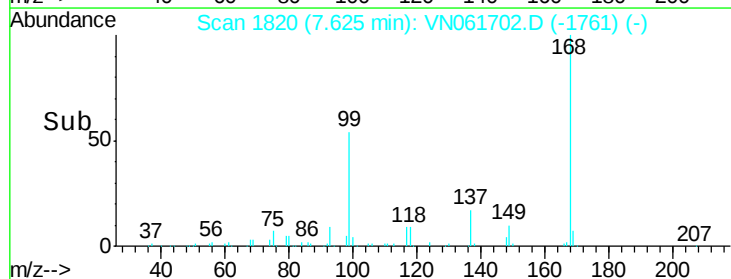
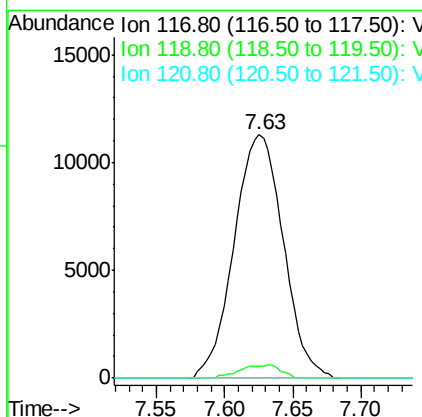
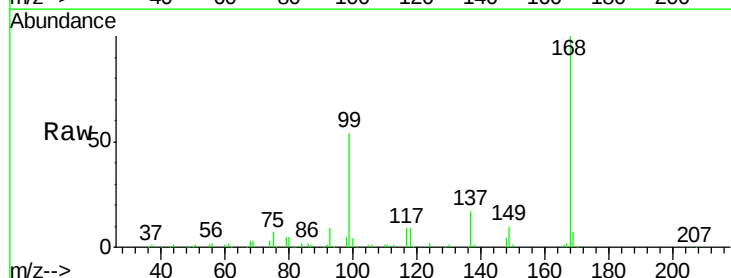
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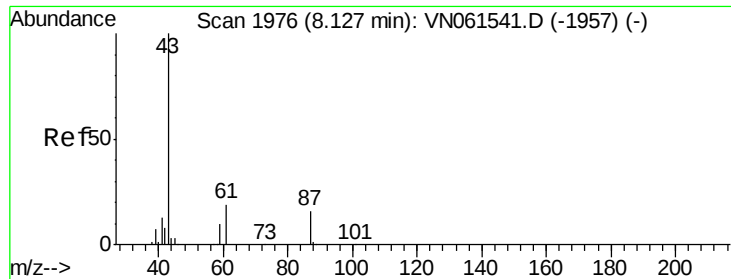
Tgt Ion: 75 Resp: 20877
 Ion Ratio Lower Upper
 75 100
 110 10.1 19.5 58.5#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.24 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN061702.D
 Acq: 8 Jun 2020 17:41

Tgt Ion: 117 Resp: 28263
 Ion Ratio Lower Upper
 117 100
 119 5.0 76.5 114.7#
 121 0.0 24.1 36.1#





#43

Isopropyl Acetate

Concen: 7.96 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061702.D

Acq: 8 Jun 2020 17:41

Instrument :

MSVOA_N

ClientSampleId :

PHC-326FB-010

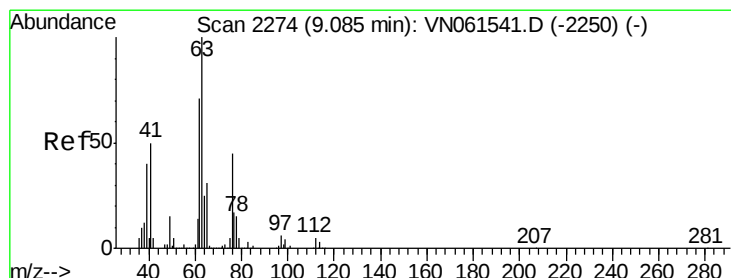
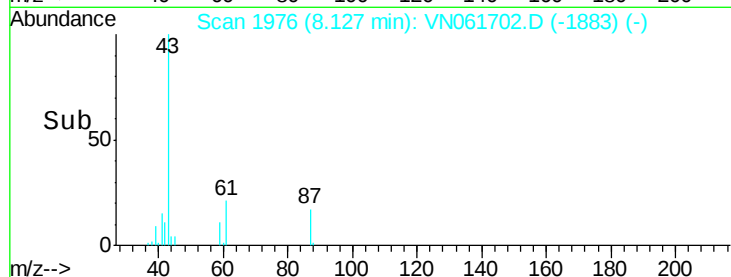
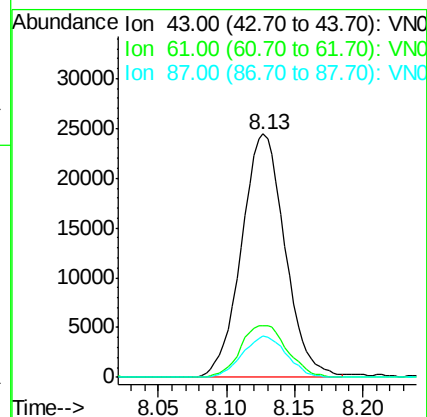
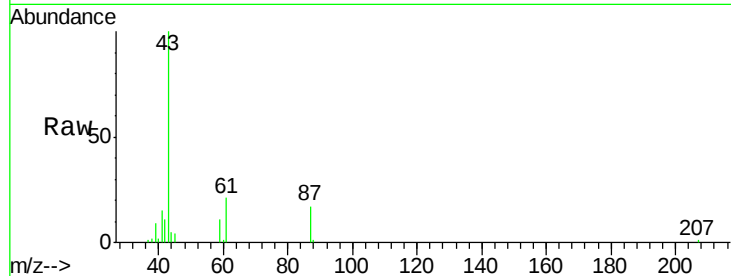
Tgt Ion: 43 Resp: 54146

Ion Ratio Lower Upper

43 100

61 22.8 23.6 35.4#

87 17.0 13.0 19.6



#45

1,2-Dichloropropane

Concen: 0.27 ug/l

RT: 9.24 min Scan# 2323

Delta R.T. 0.16 min

Lab File: VN061702.D

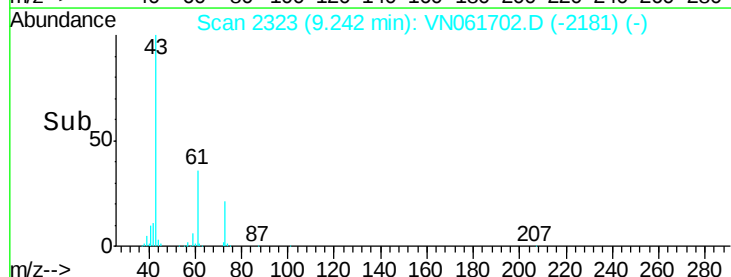
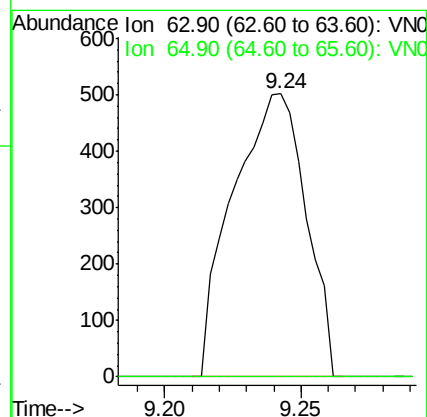
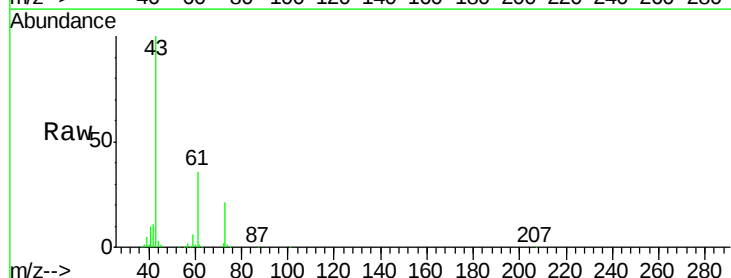
Acq: 8 Jun 2020 17:41

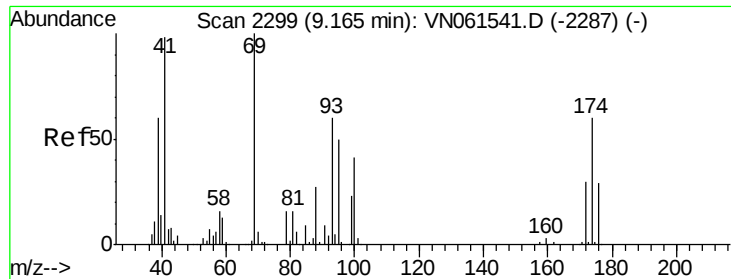
Tgt Ion: 63 Resp: 930

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#

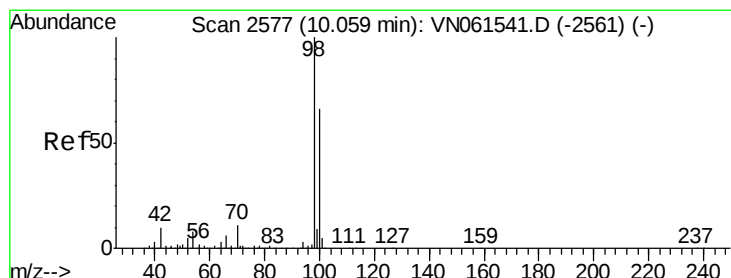
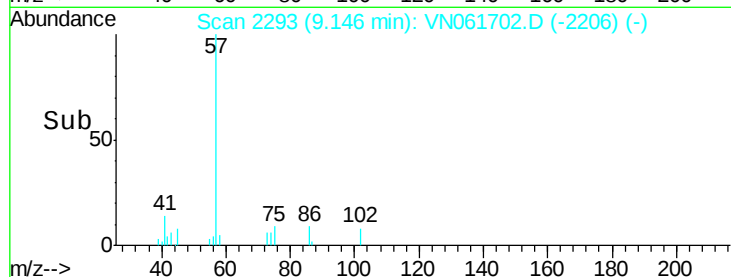
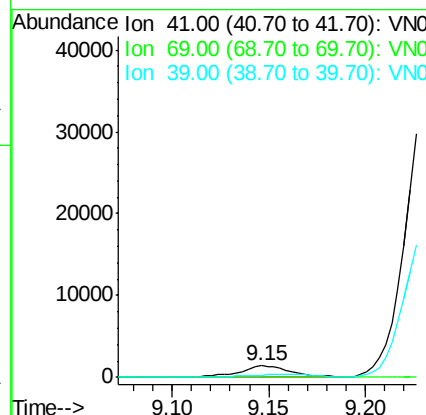
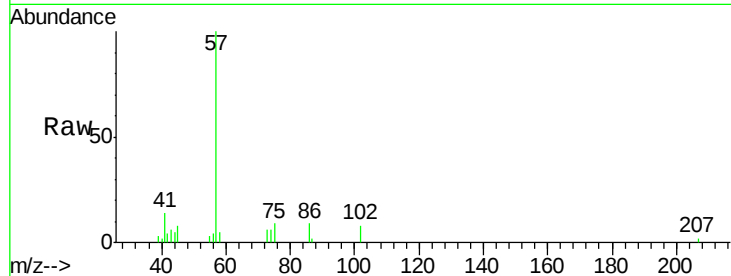




#48
Methyl methacrylate
Concen: 0.84 ug/l
RT: 9.15 min Scan# 2293
Delta R.T. -0.02 min
Lab File: VN061702.D
Acq: 8 Jun 2020 17:41

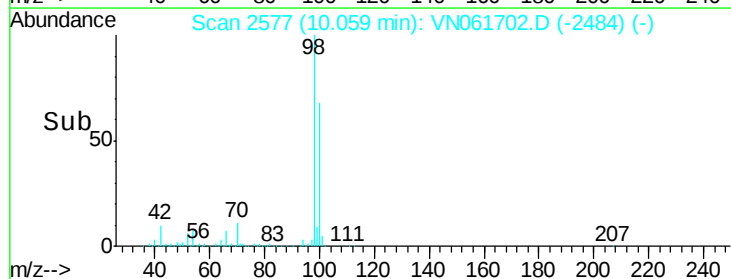
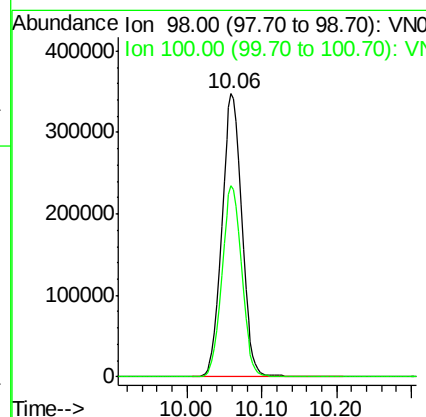
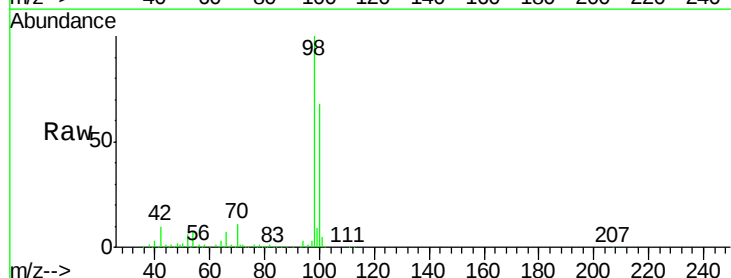
Instrument :
MSVOA_N
ClientSampleId :
PHC-326FB-010

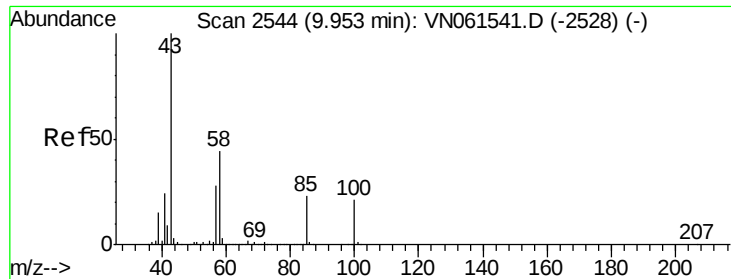
Tgt Ion: 41 Resp: 2581
Ion Ratio Lower Upper
41 100
69 0.0 83.9 125.9#
39 0.0 52.1 78.1#



#50
Toluene-d8
Concen: 51.58 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061702.D
Acq: 8 Jun 2020 17:41

Tgt Ion: 98 Resp: 642691
Ion Ratio Lower Upper
98 100
100 66.7 52.8 79.2

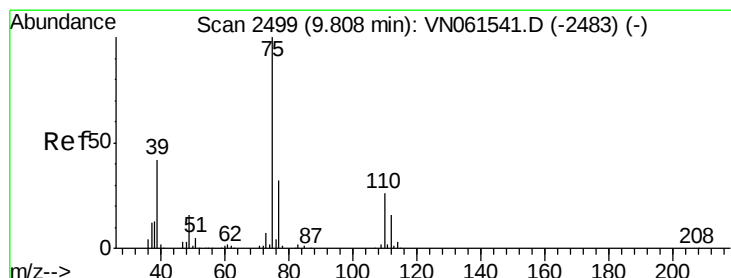
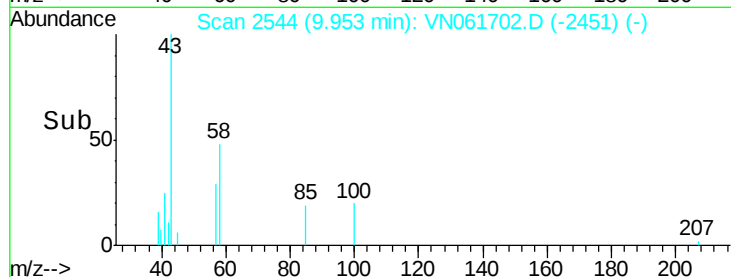
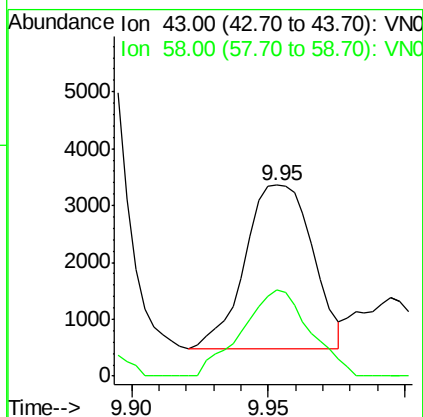
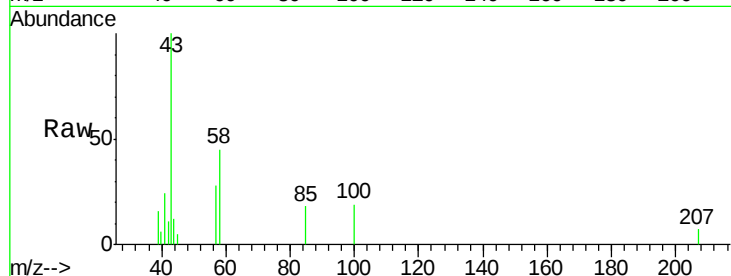




#51
 4-Methyl-2-Pentanone
 Concen: 1.29 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN061702.D
 Acq: 8 Jun 2020 17:41

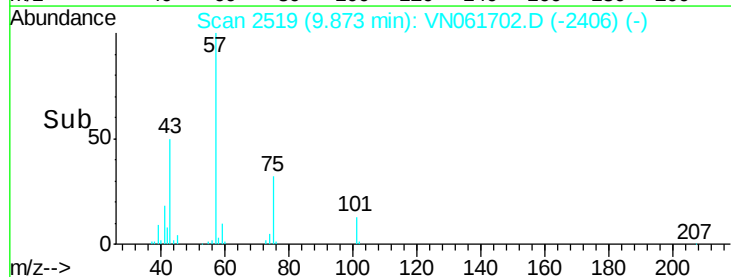
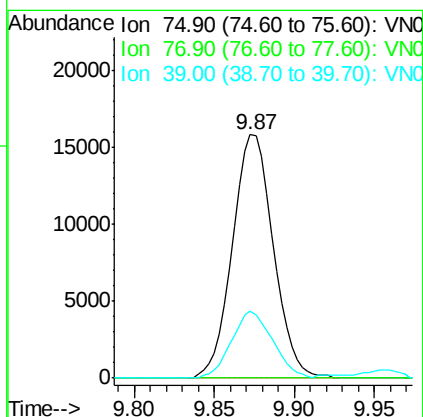
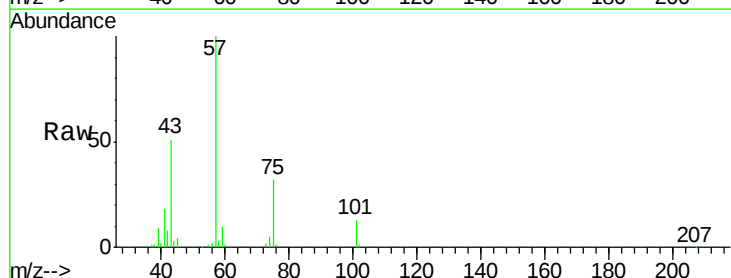
Instrument :
 MSVOA_N
 ClientSampleId :
 PHC-326FB-010

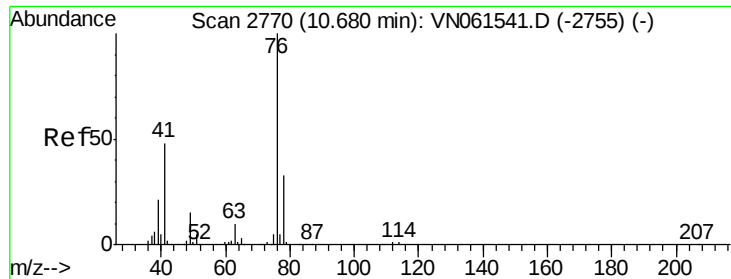
Tgt Ion: 43 Resp: 4952
 Ion Ratio Lower Upper
 43 100
 58 53.1 35.0 52.6#



#54
 cis-1,3-Dichloropropene
 Concen: 4.57 ug/l
 RT: 9.87 min Scan# 2519
 Delta R.T. 0.06 min
 Lab File: VN061702.D
 Acq: 8 Jun 2020 17:41

Tgt Ion: 75 Resp: 27624
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#
 39 27.7 33.8 50.6#

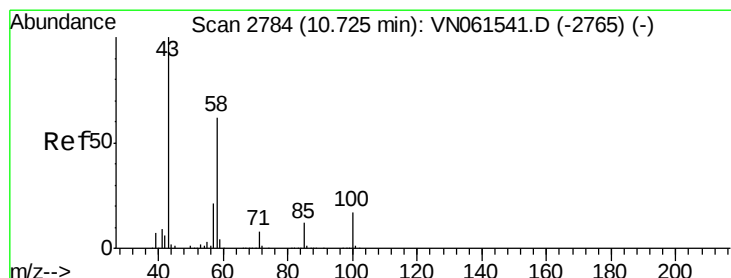
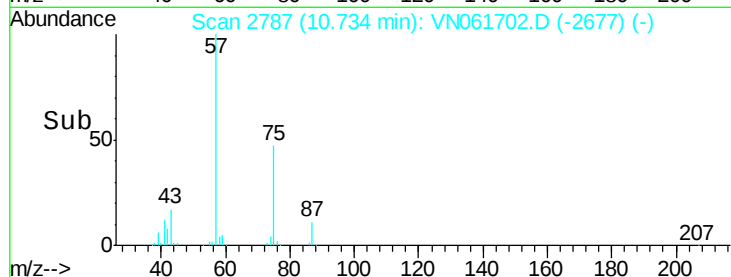
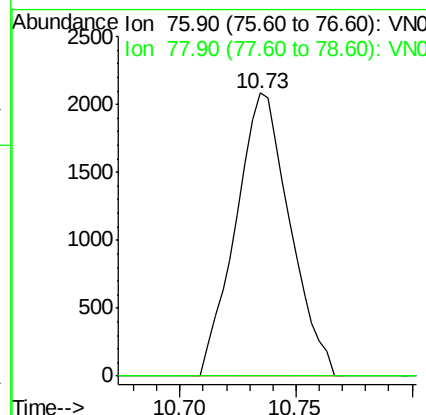
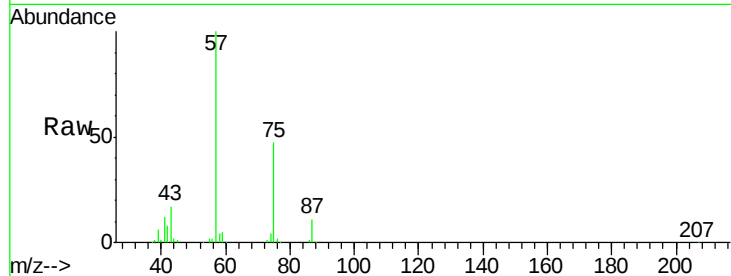




#57
 1,3-Dichloropropane
 Concen: 0.56 ug/l
 RT: 10.73 min Scan# 2787
 Delta R.T. 0.05 min
 Lab File: VN061702.D
 Acq: 8 Jun 2020 17:41

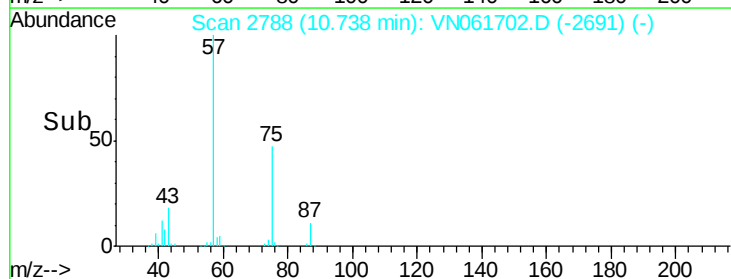
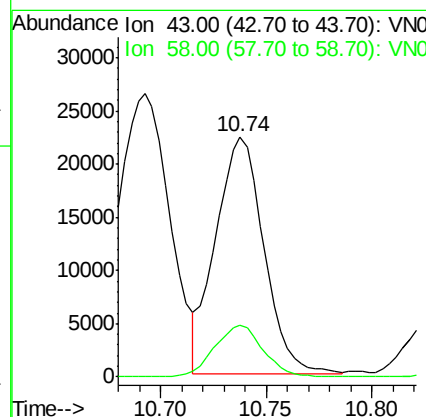
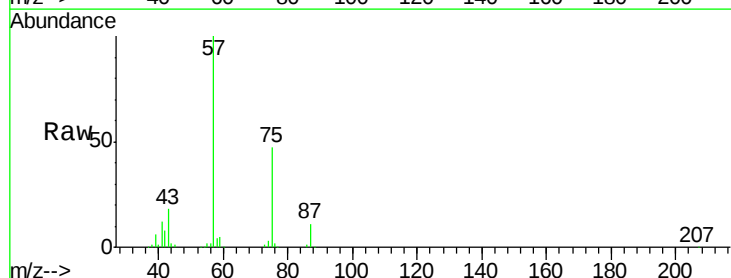
Instrument :
 MSVOA_N
 ClientSampleId :
 PHC-326FB-010

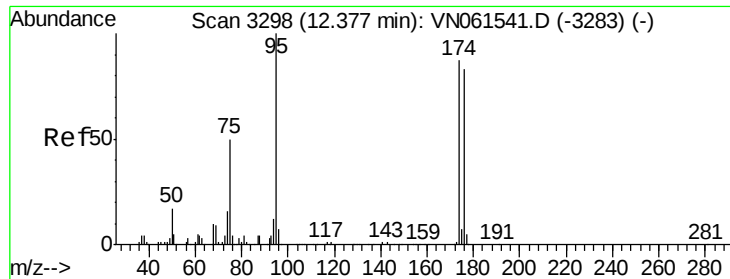
Tgt Ion: 76 Resp: 3393
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#



#59
 2-Hexanone
 Concen: 12.89 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.01 min
 Lab File: VN061702.D
 Acq: 8 Jun 2020 17:41

Tgt Ion: 43 Resp: 35462
 Ion Ratio Lower Upper
 43 100
 58 21.9 30.7 92.1#

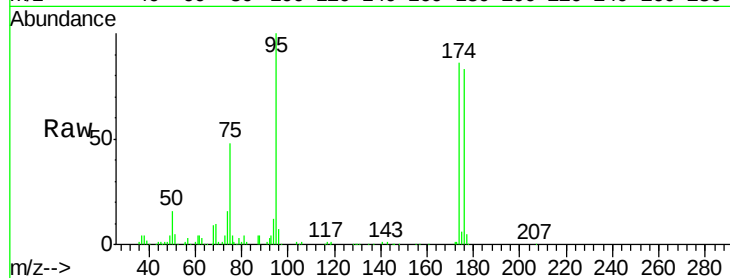




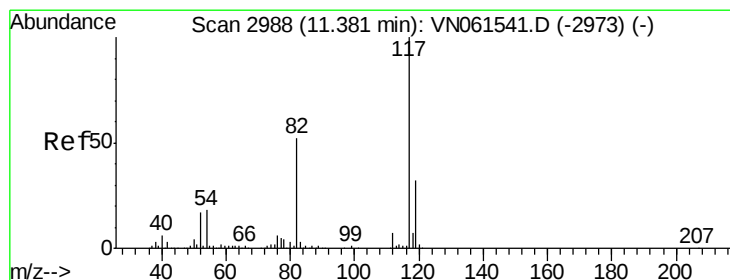
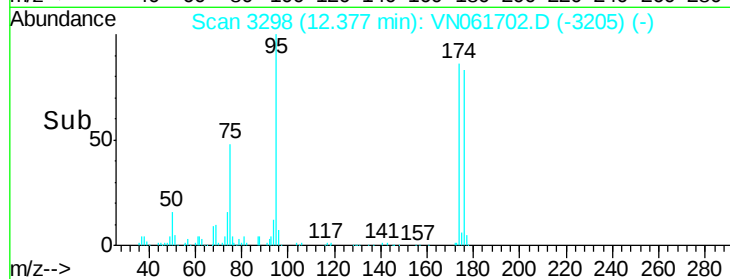
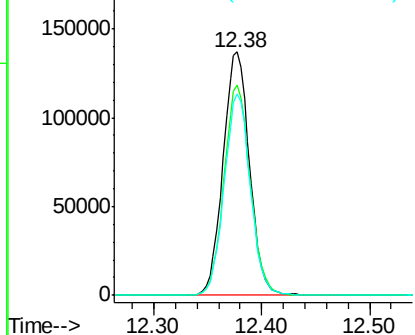
#62
4-Bromofluorobenzene
Concen: 51.32 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061702.D
Acq: 8 Jun 2020 17:41

Instrument :
MSVOA_N
ClientSampled :
PHC-326FB-010

Tgt Ion: 95 Resp: 233294
Ion Ratio Lower Upper
95 100
174 85.8 0.0 172.8
176 81.9 0.0 164.8

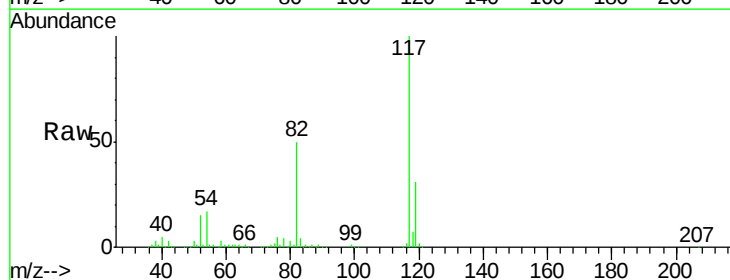


Abundance Ion 94.90 (94.60 to 95.60): VN061541.D (-3283) (-)
Ion 173.80 (173.50 to 174.50): VN061541.D (-3283) (-)
Ion 175.80 (175.50 to 176.50): VN061541.D (-3283) (-)

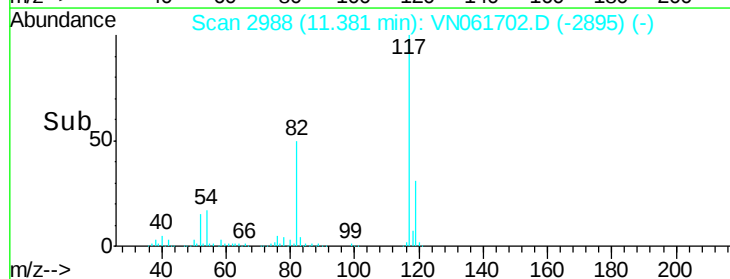
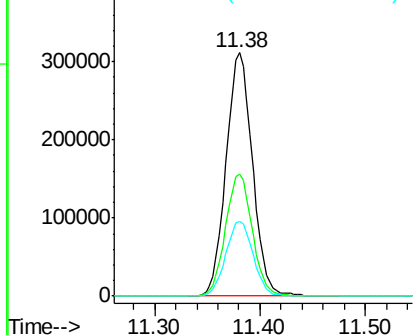


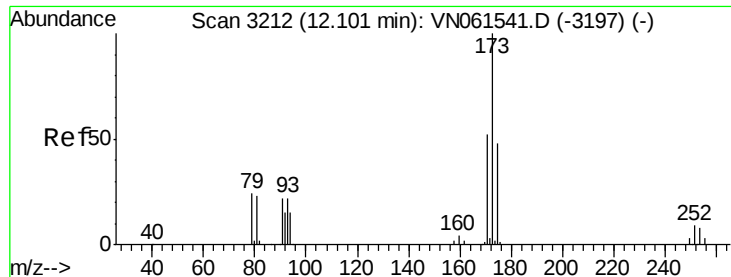
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061702.D
Acq: 8 Jun 2020 17:41

Tgt Ion: 117 Resp: 539639
Ion Ratio Lower Upper
117 100
82 50.3 41.5 62.3
119 30.8 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): VN061541.D (-2973) (-)
Ion 82.00 (81.70 to 82.70): VN061541.D (-2973) (-)
Ion 118.90 (118.60 to 119.60): VN061541.D (-2973) (-)





#71

Bromoform

Concen: 0.60 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN061702.D

Acq: 8 Jun 2020 17:41

Instrument :

MSVOA_N

ClientSampleId :

PHC-326FB-010

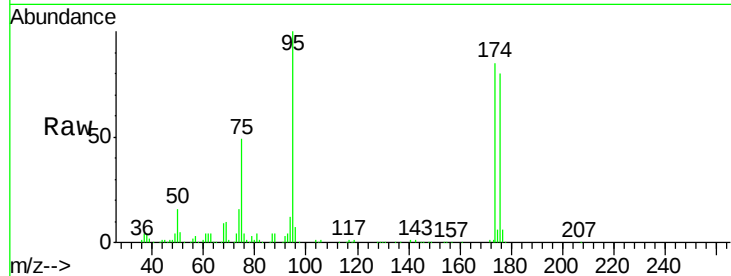
Tgt Ion:173 Resp: 1923

Ion Ratio Lower Upper

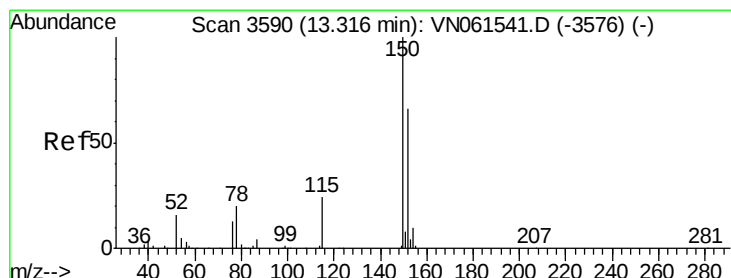
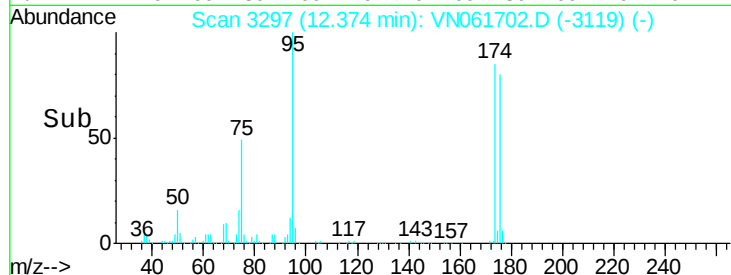
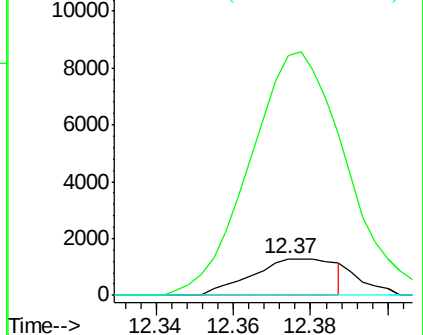
173 100

175 648.0 24.4 73.2#

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061702.D

Acq: 8 Jun 2020 17:41

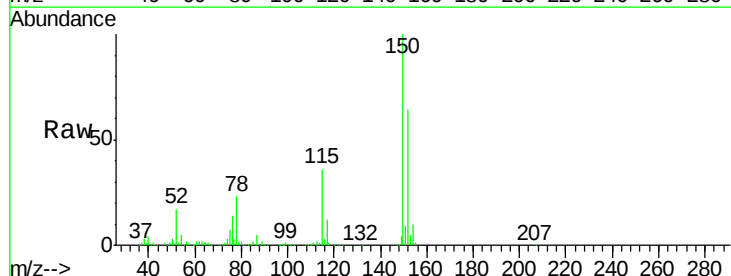
Tgt Ion:152 Resp: 241072

Ion Ratio Lower Upper

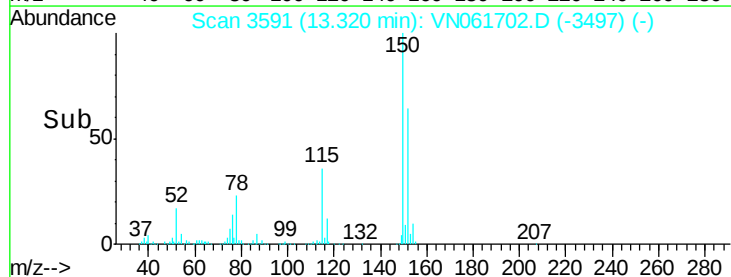
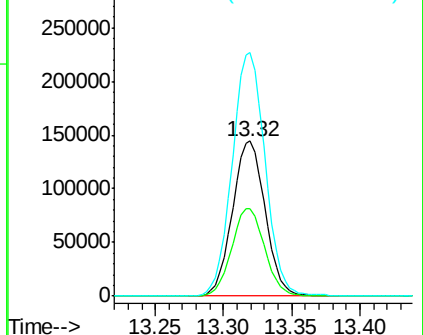
152 100

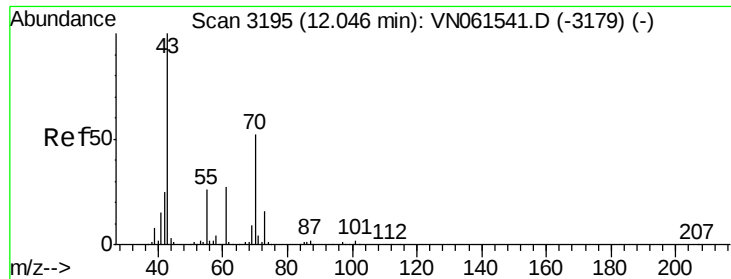
115 57.0 28.0 84.0

150 158.0 0.0 344.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

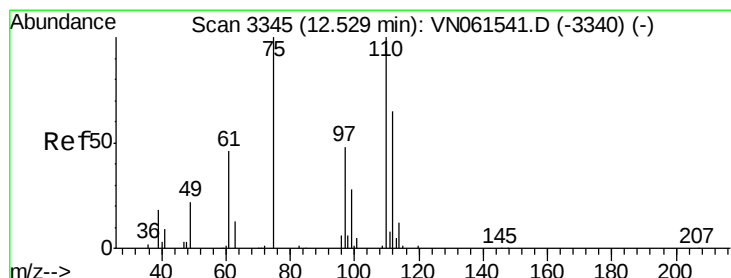
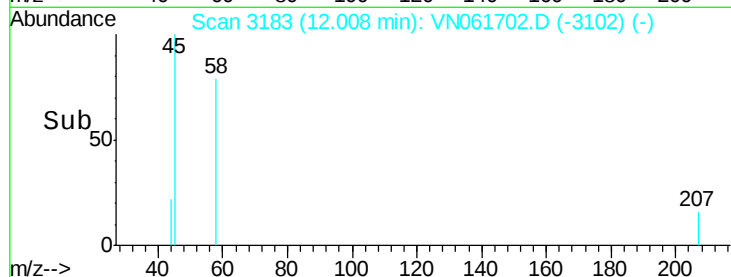
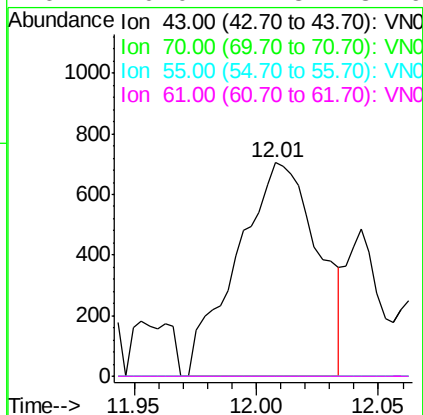
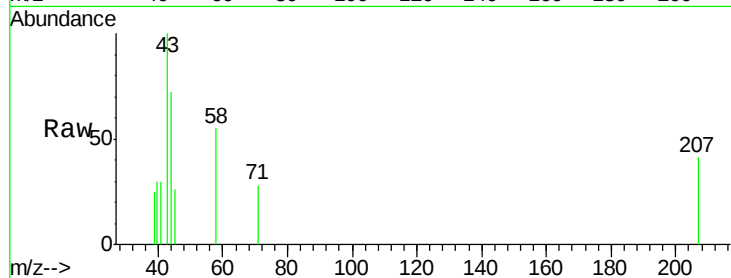




#74
N-ethyl acetate
Concen: 0.29 ug/l
RT: 12.01 min Scan# 3183
Delta R.T. -0.04 min
Lab File: VN061702.D
Acq: 8 Jun 2020 17:41

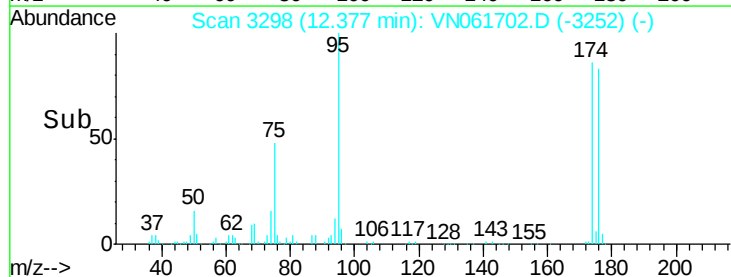
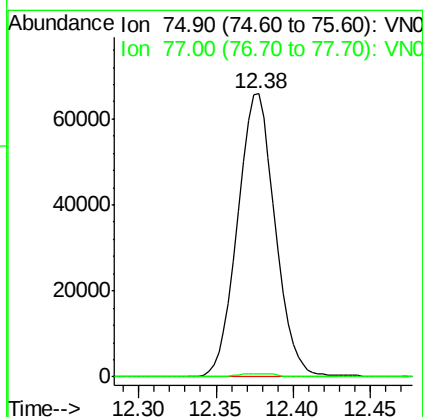
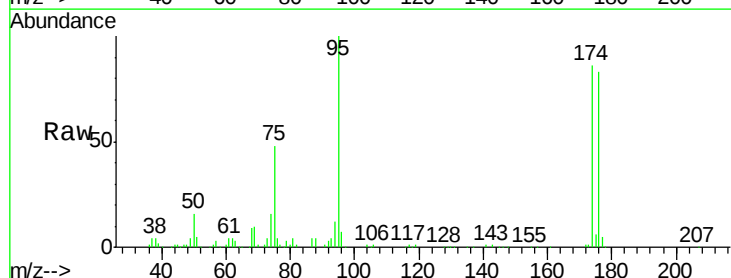
Instrument :
MSVOA_N
ClientSampled :
PHC-326FB-010

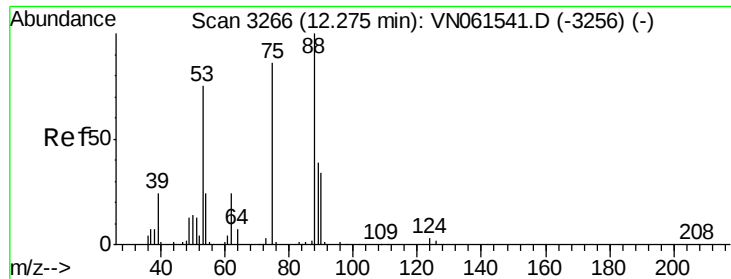
Tgt Ion: 43 Resp: 1624
Ion Ratio Lower Upper
43 100
70 0.0 40.5 60.7#
55 0.0 20.6 31.0#
61 0.0 21.8 32.6#



#76
1,2,3-Trichloropropane
Concen: 25.41 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.15 min
Lab File: VN061702.D
Acq: 8 Jun 2020 17:41

Tgt Ion: 75 Resp: 111407
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 64.99 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061702.D

Acq: 8 Jun 2020 17:41

Instrument :

MSVOA_N

ClientSampleId :

PHC-326FB-010

Tgt Ion: 75 Resp: 111407

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

89 0.0 37.1 55.7#

