

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032420\
 Data File : VN060678.D
 Acq On : 24 Mar 2020 17:30
 Operator : JC/MD
 Sample : PB127757ZHE#11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 25 03:56:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	207131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	343238	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	324130	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147364	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	133289	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	
35) Dibromofluoromethane	7.56	113	101102	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
50) Toluene-d8	10.08	98	424934	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.40	95	157873	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	

Target Compounds

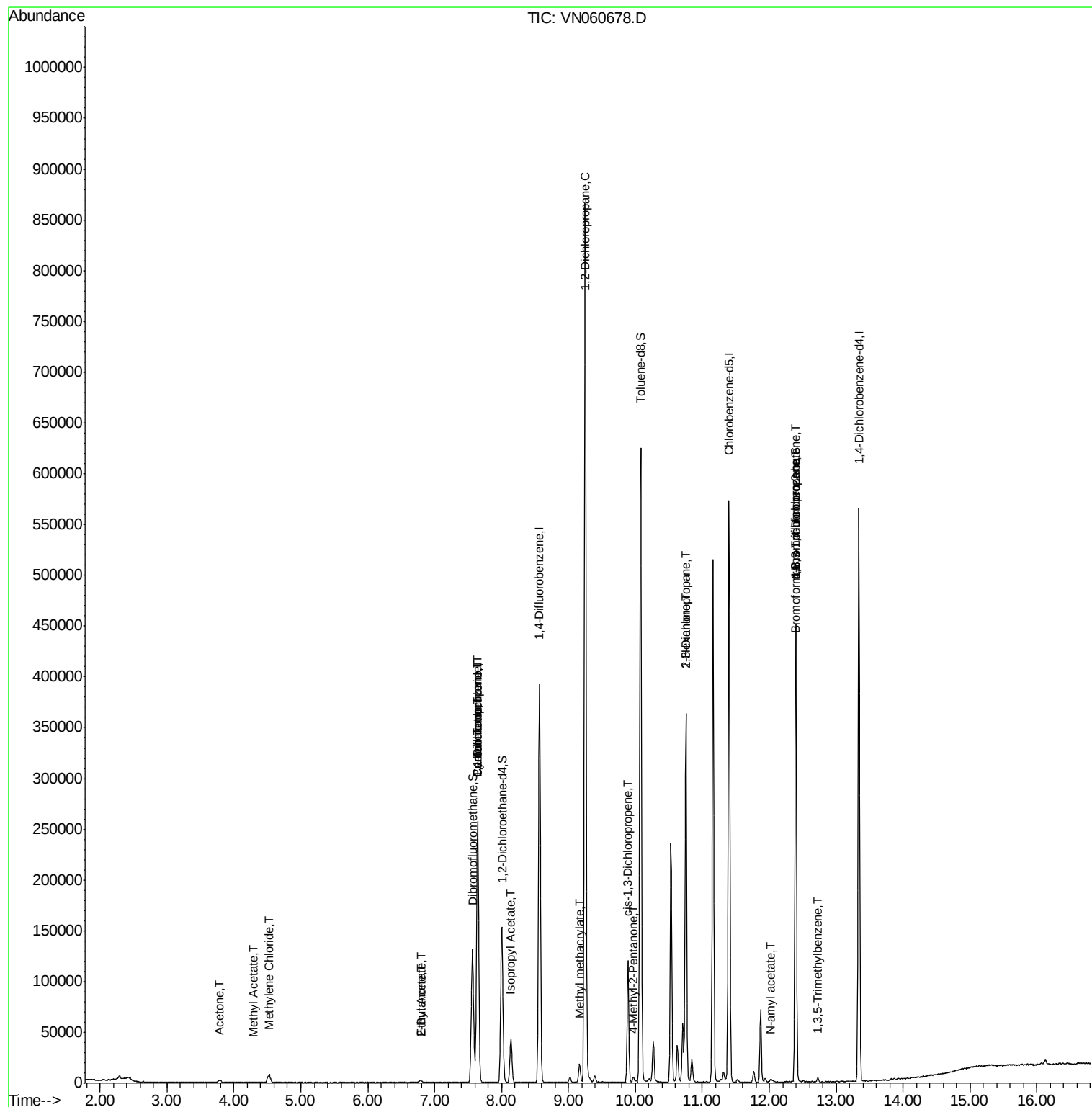
					Qvalue	
16) Acetone	3.79	43	4857	4.822	ug/l	98
18) Methyl Acetate	4.29	43	1644	0.580	ug/l #	58
20) Methylene Chloride	4.52	84	5985	2.416	ug/l	93
25) 2-Butanone	6.81	43	2384	1.463	ug/l	96
31) Cyclohexane	7.64	56	4345	0.949	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	16615	4.999	ug/l #	50
37) Ethyl Acetate	6.81	43	2384	0.664	ug/l #	70
38) Carbon Tetrachloride	7.64	117	19611	6.584	ug/l #	17
43) Isopropyl Acetate	8.14	43	52156	8.806	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	944	0.357	ug/l #	43
48) Methyl methacrylate	9.16	41	2907	1.102	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	3802	1.128	ug/l	90
54) cis-1,3-Dichloropropene	9.89	75	21426	5.112	ug/l #	62
57) 1,3-Dichloropropane	10.75	76	3504	0.866	ug/l #	42
59) 2-Hexanone	10.75	43	53988	22.238	ug/l #	52
71) Bromoform	12.38	173	85	1.723	ug/l #	1
74) N-amyl acetate	12.02	43	3486	0.682	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	80673	25.370	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2526	0.269	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	80673	65.159	ug/l #	13

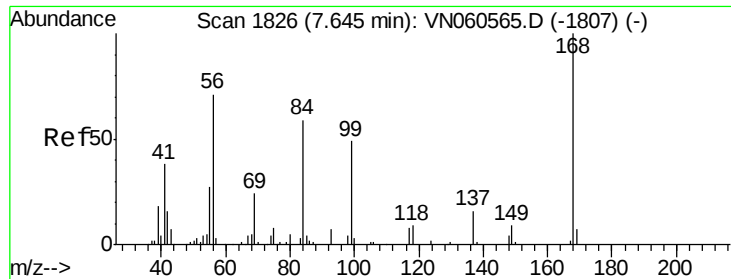
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060678.D

Acq: 24 Mar 2020 17:30

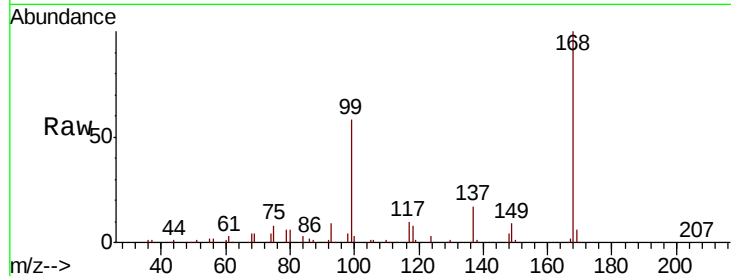
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 207131

Ion Ratio Lower Upper

168 100

99 57.5 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060565.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN060565.D (-1807) (-)

7.64

100000

80000

60000

40000

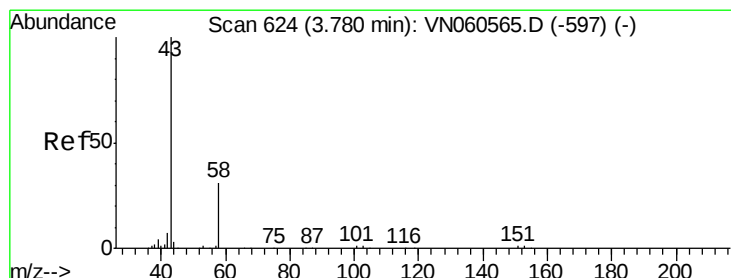
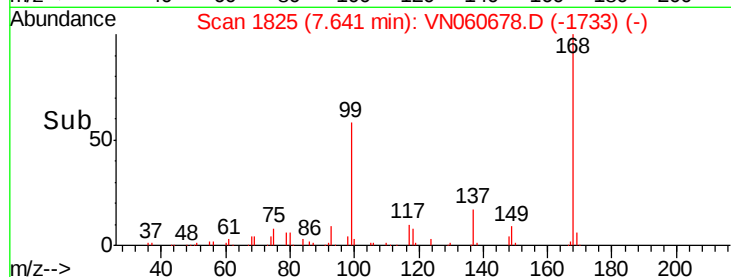
20000

0

7.60

7.70

Time-->



#16

Acetone

Concen: 4.822 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060678.D

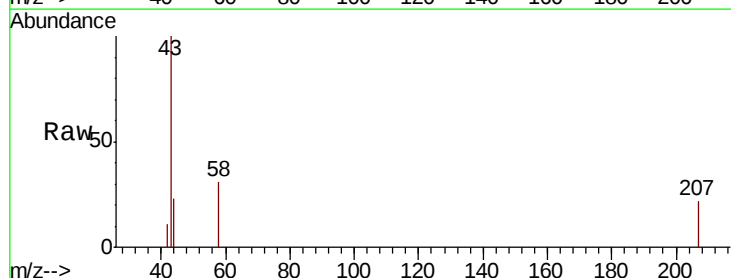
Acq: 24 Mar 2020 17:30

Tgt Ion: 43 Resp: 4857

Ion Ratio Lower Upper

43 100

58 30.5 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-597) (-)

3.79

1500

1000

500

0

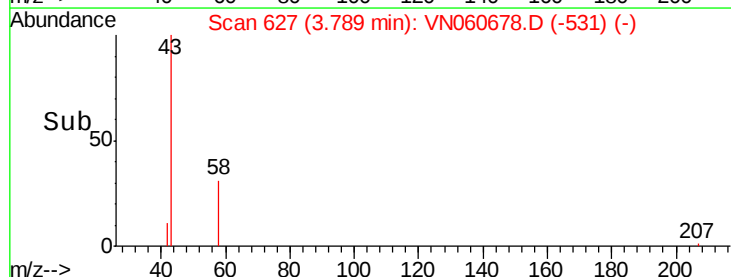
3.70

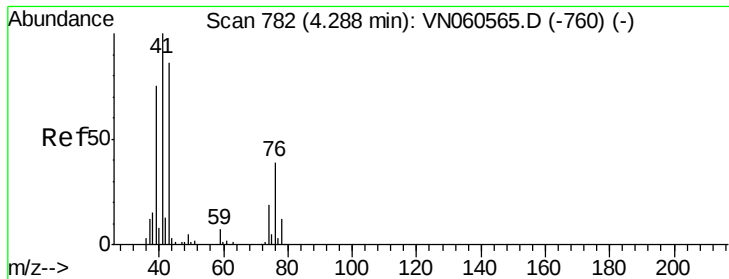
3.75

3.80

3.85

Time-->

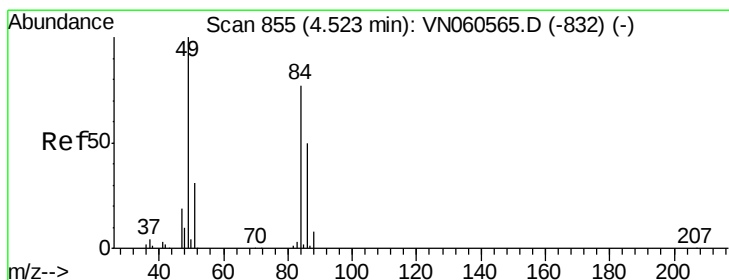
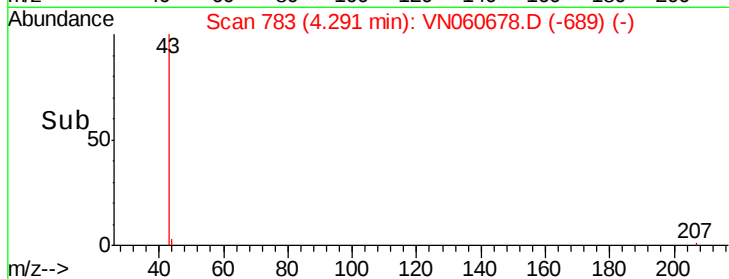
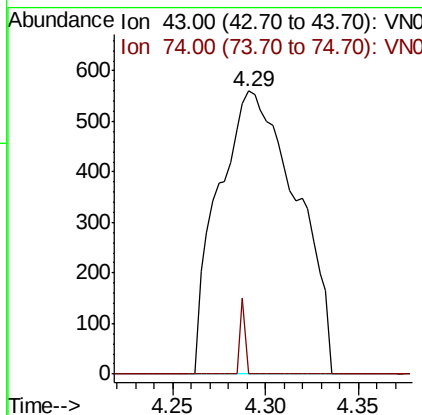
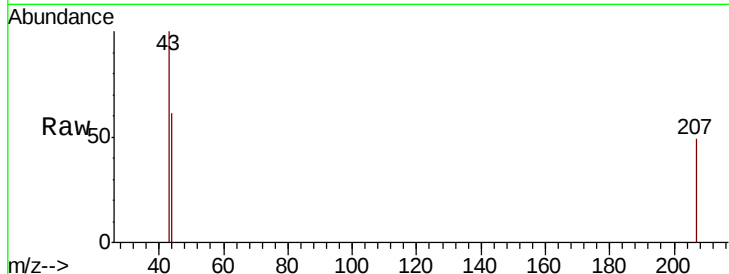




#18
Methyl Acetate
Concen: 0.580 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN060678.D
Acq: 24 Mar 2020 17:30

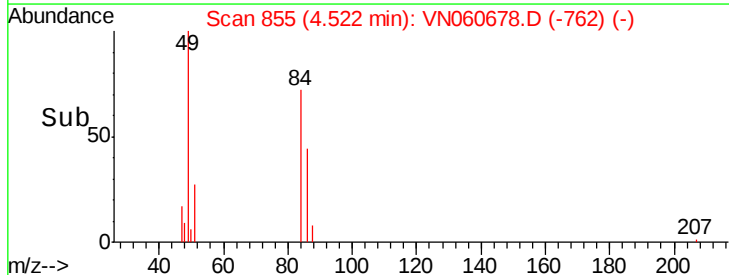
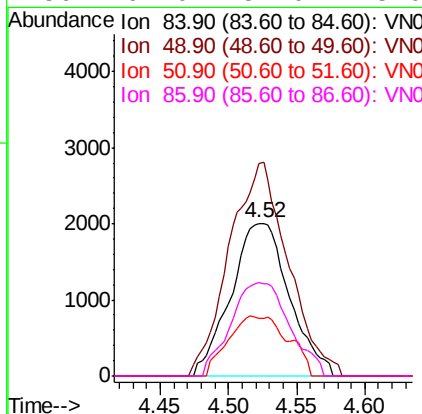
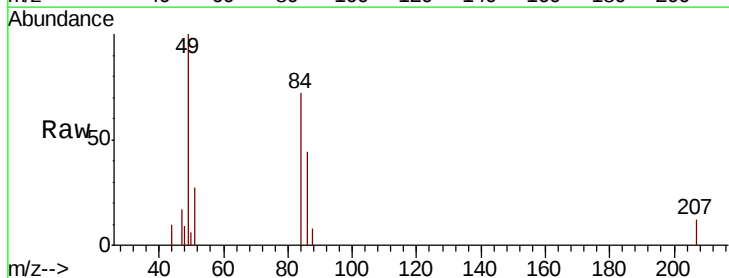
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1644
Ion Ratio Lower Upper
43 100
74 1.8 17.5 26.3#



#20
Methylene Chloride
Concen: 2.416 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060678.D
Acq: 24 Mar 2020 17:30

Tgt Ion: 84 Resp: 5985
Ion Ratio Lower Upper
84 100
49 139.2 103.3 154.9
51 37.4 31.6 47.4
86 61.0 52.0 78.0

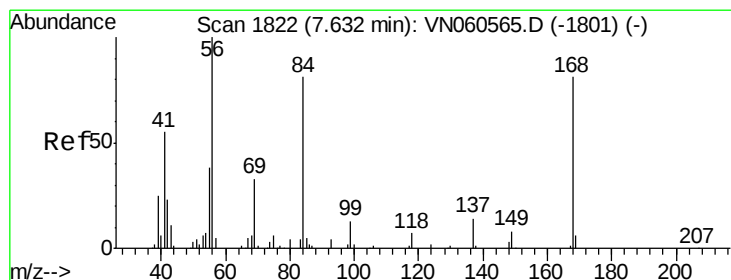
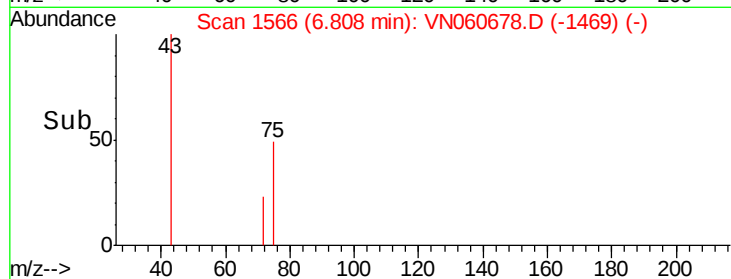
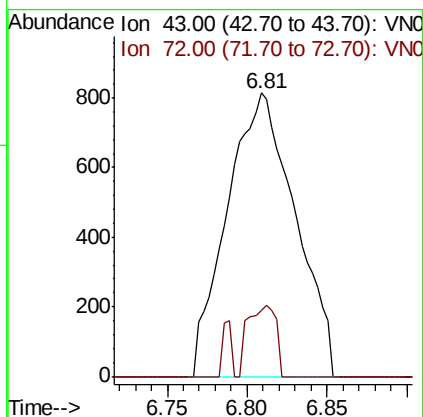
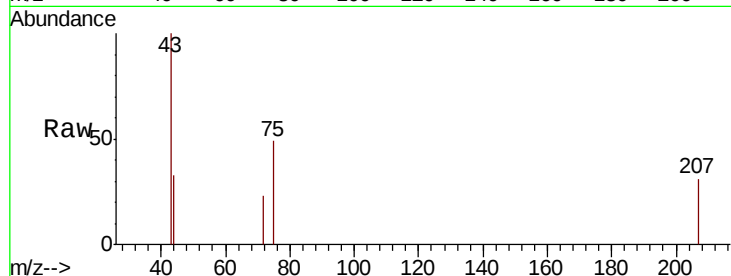




#25
2-Butanone
Concen: 1.463 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VN060678.D
Acq: 24 Mar 2020 17:30

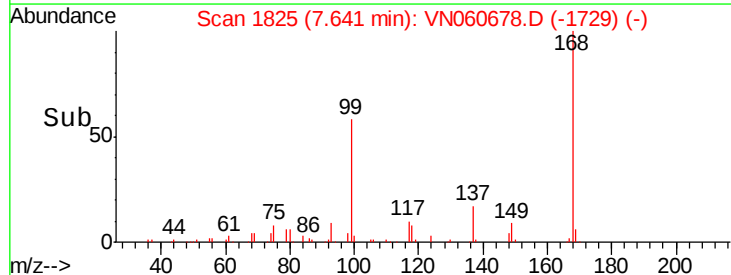
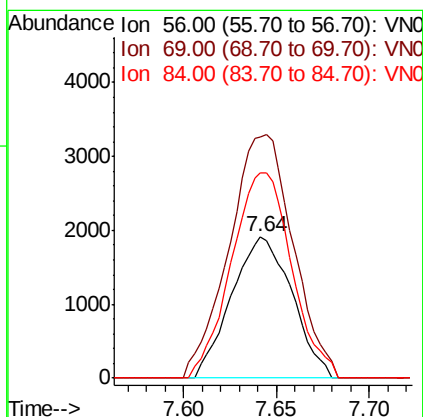
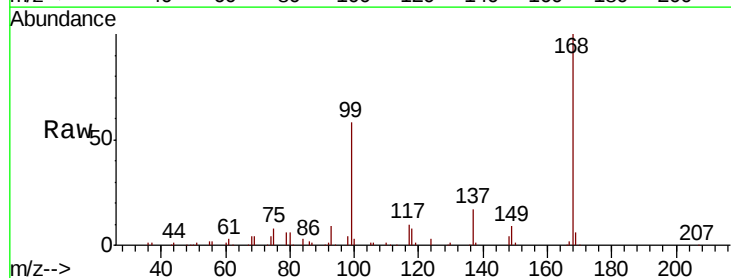
Instrument :
MSVOA_N
ClientSampled :

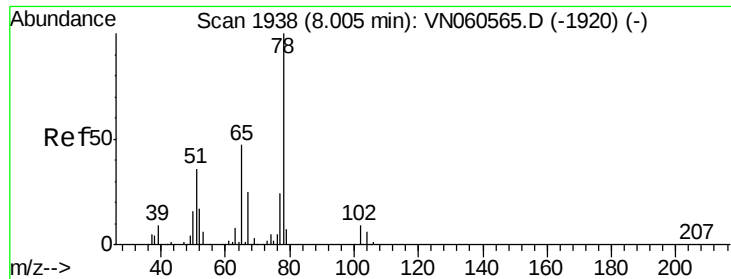
Tot Ion: 43 Resp: 2384
Ion Ratio Lower Upper
43 100
72 23.3 20.4 30.6



#31
Cyclohexane
Concen: 0.949 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060678.D
Acq: 24 Mar 2020 17:30

Tgt Ion: 56 Resp: 4345
Ion Ratio Lower Upper
56 100
69 169.9 26.6 40.0#
84 144.8 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 46.876 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060678.D

Acq: 24 Mar 2020 17:30

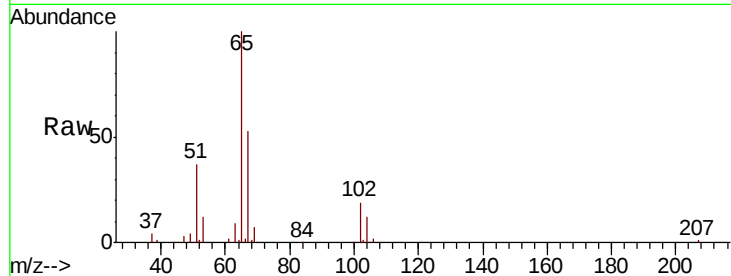
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 133289

Ion Ratio Lower Upper

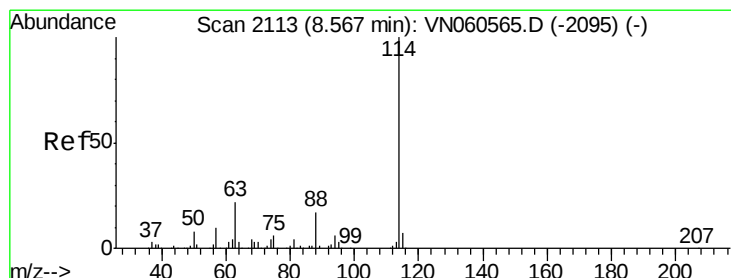
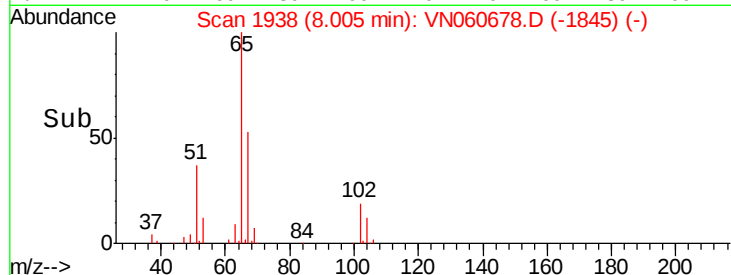
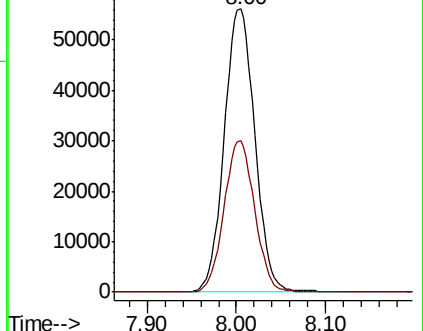
65 100

67 53.3 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN060678.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060678.D (-1920) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060678.D

Acq: 24 Mar 2020 17:30

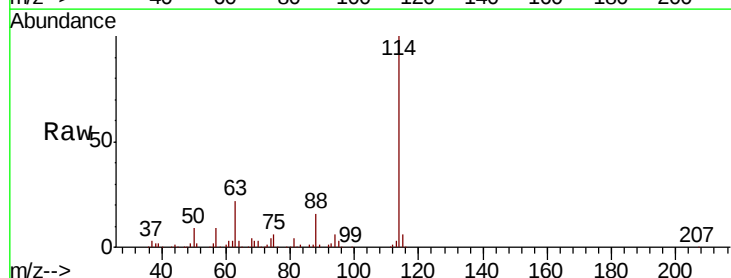
Tgt Ion: 114 Resp: 343238

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.8

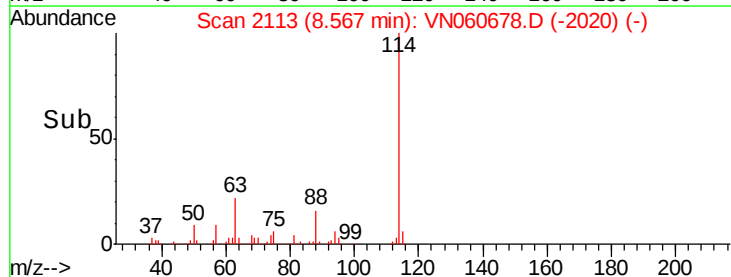
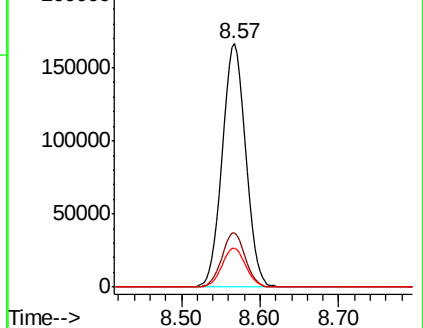
88 16.0 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): VN060678.D (-2095) (-)

Ion 63.00 (62.70 to 63.70): VN060678.D (-2095) (-)

Ion 87.90 (87.60 to 88.60): VN060678.D (-2095) (-)

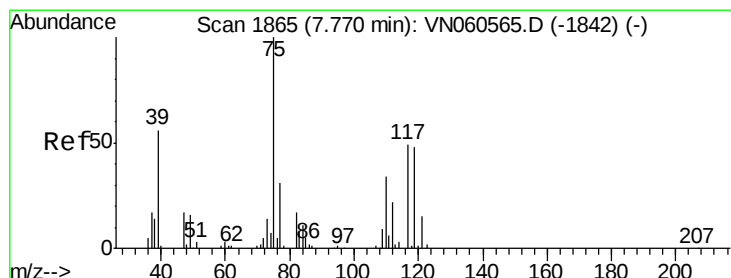
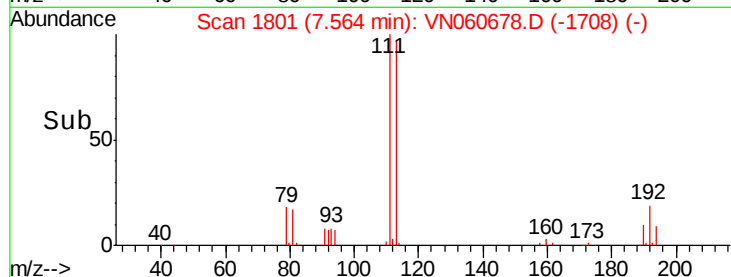
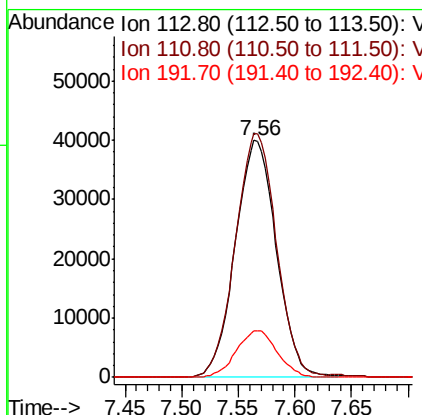
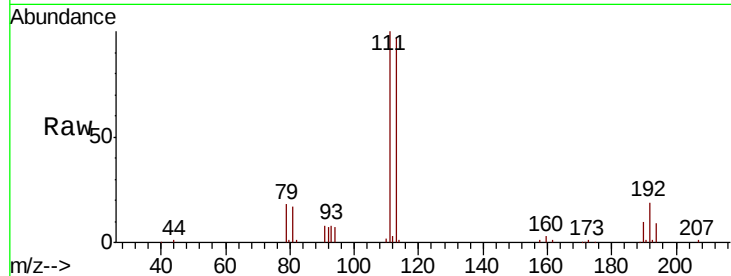




#35
 Dibromofluoromethane
 Concen: 48.713 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060678.D
 Acq: 24 Mar 2020 17:30

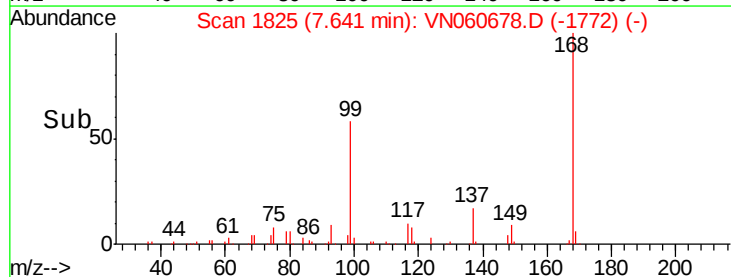
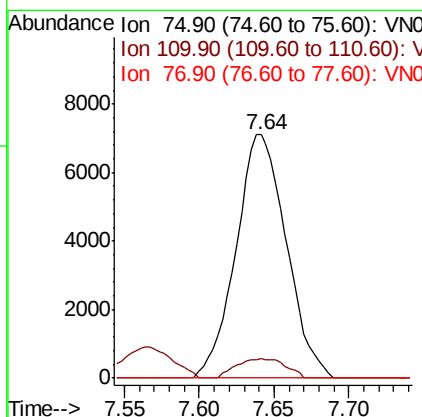
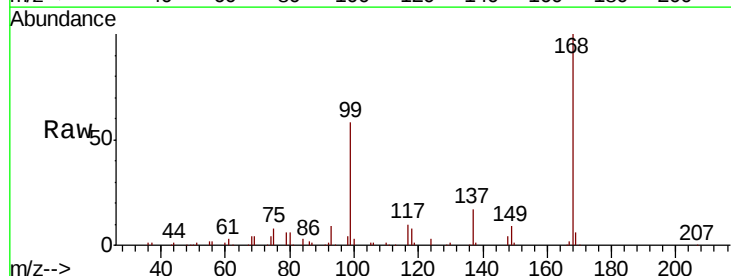
Instrument :
 MSVOA_N
 ClientSampled :

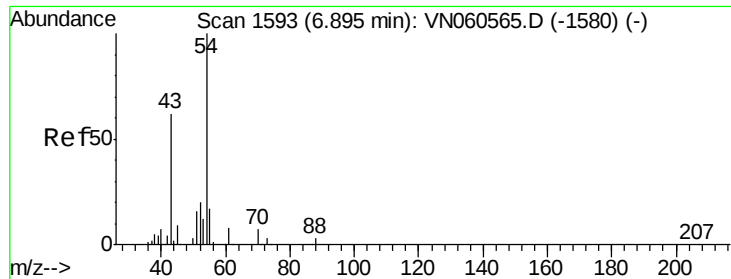
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.9	124.3
192	19.7	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 4.999 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060678.D
 Acq: 24 Mar 2020 17:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.8	16.9	50.6#
77	0.0	24.6	36.8#

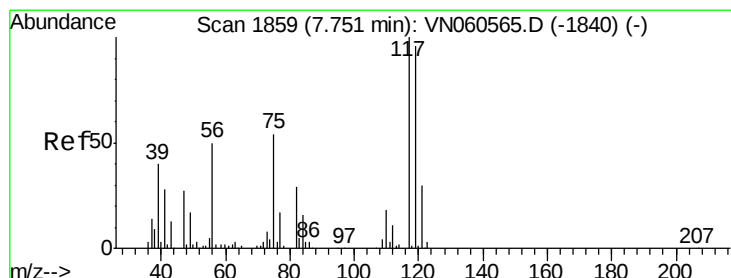
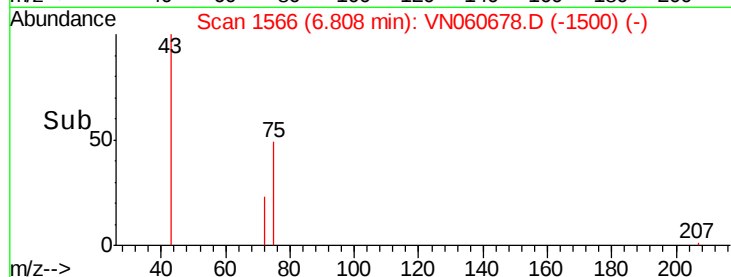
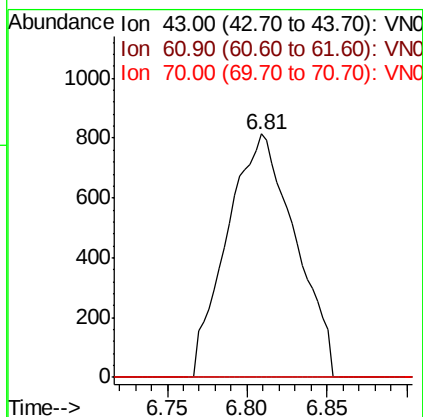
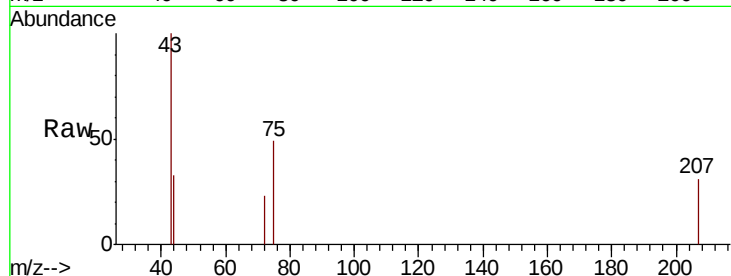




#37
Ethyl Acetate
Concen: 0.664 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.09 min
Lab File: VN060678.D
Acq: 24 Mar 2020 17:30

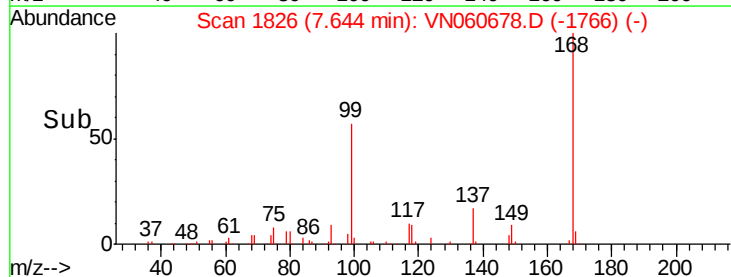
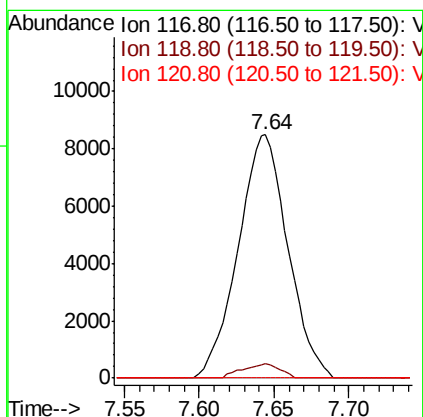
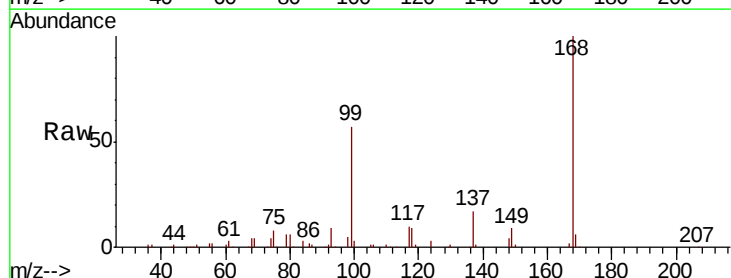
Instrument :
MSVOA_N
ClientSampled :

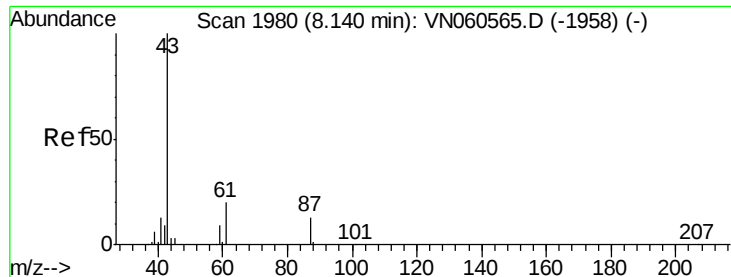
Tot Ion: 43 Resp: 2384
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.584 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060678.D
Acq: 24 Mar 2020 17:30

Tgt Ion: 117 Resp: 19611
Ion Ratio Lower Upper
117 100
119 5.9 76.2 114.2#
121 0.0 23.7 35.5#

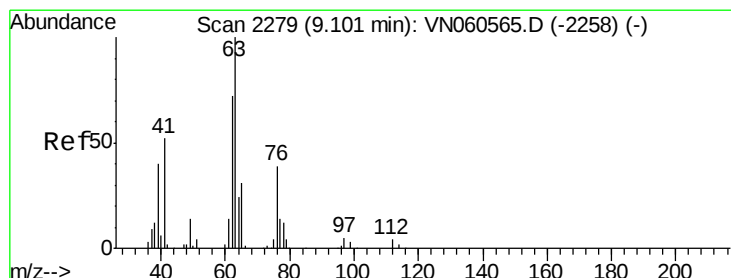
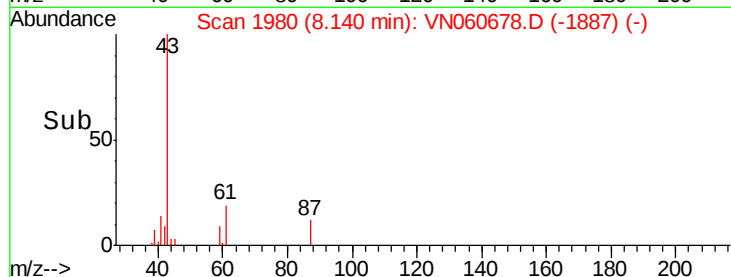
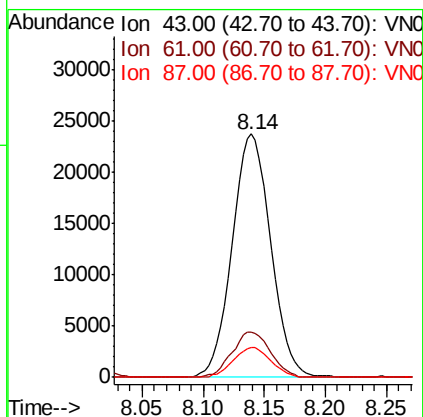
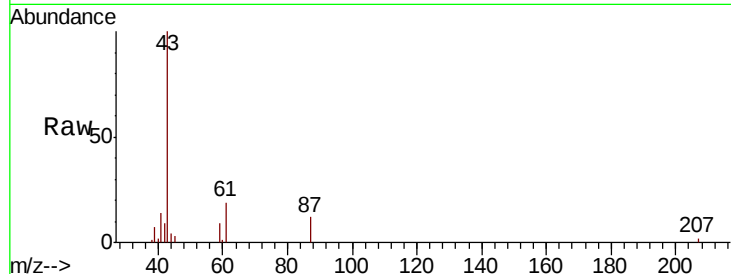




#43
Isopropyl Acetate
Concen: 8.806 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060678.D
Acq: 24 Mar 2020 17:30

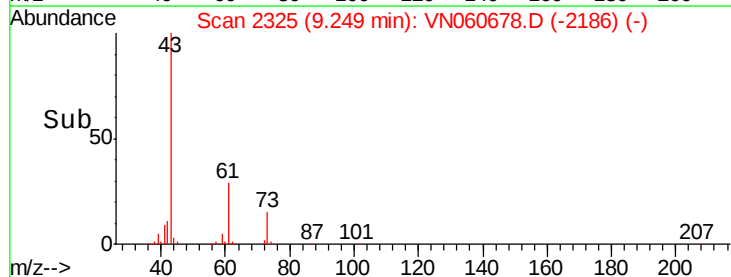
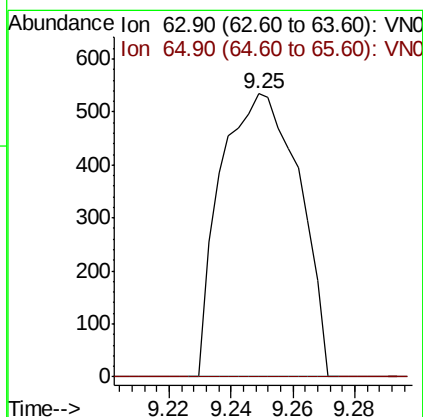
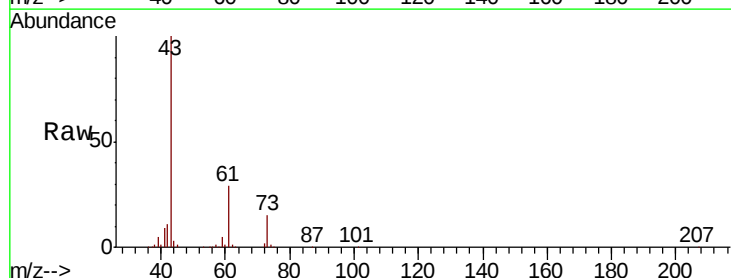
Instrument :
MSVOA_N
ClientSampled :

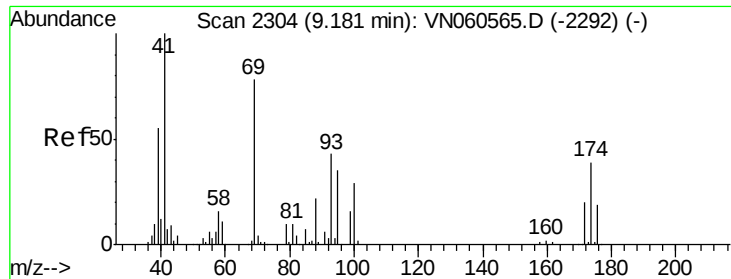
Tot Ion: 43 Resp: 52156
Ion Ratio Lower Upper
43 100
61 18.5 20.7 31.1#
87 11.7 9.8 14.8



#45
1,2-Dichloropropane
Concen: 0.357 ug/l
RT: 9.25 min Scan# 2325
Delta R.T. 0.15 min
Lab File: VN060678.D
Acq: 24 Mar 2020 17:30

Tgt Ion: 63 Resp: 944
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.0#

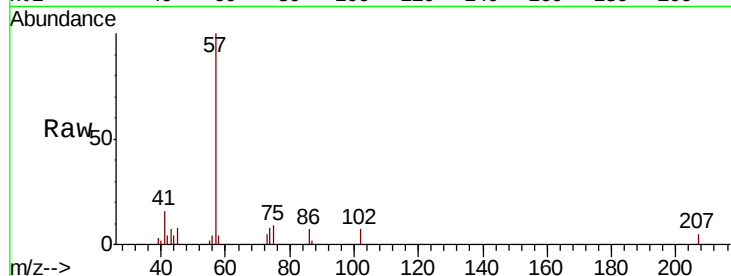




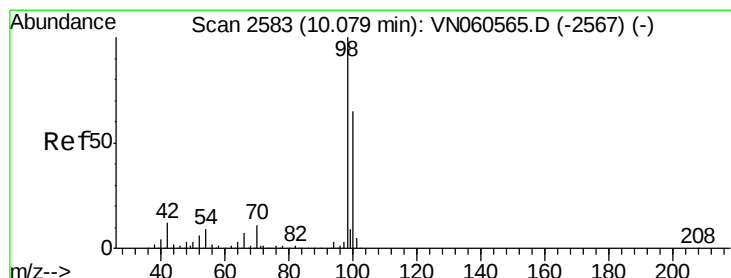
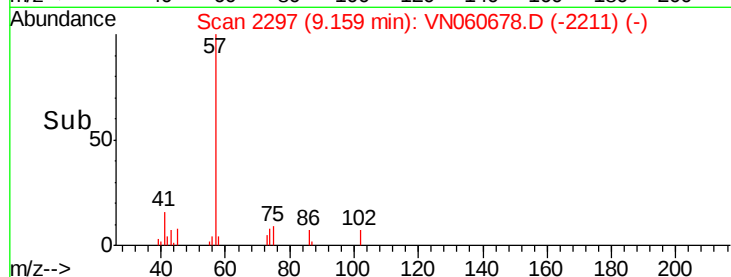
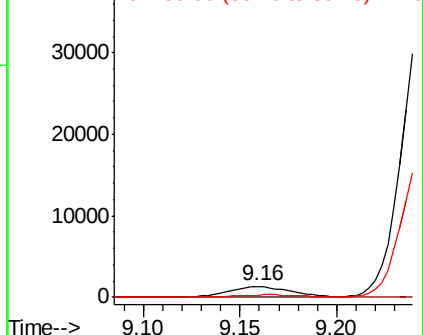
#48
Methvl methacrylate
Concen: 1.102 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060678.D
Acq: 24 Mar 2020 17:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 2907
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#

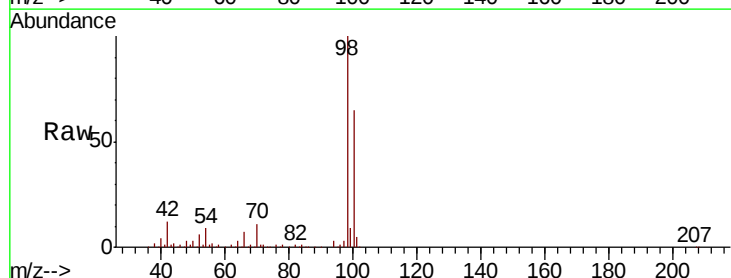


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

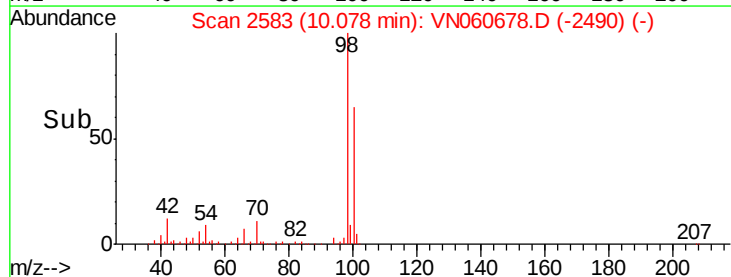
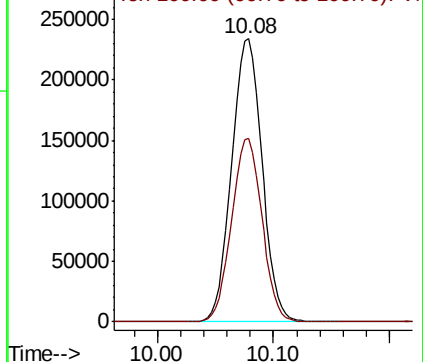


#50
Toluene-d8
Concen: 50.125 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060678.D
Acq: 24 Mar 2020 17:30

Tgt Ion: 98 Resp: 424934
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.128 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN060678.D

Acq: 24 Mar 2020 17:30

Instrument :

MSVOA_N

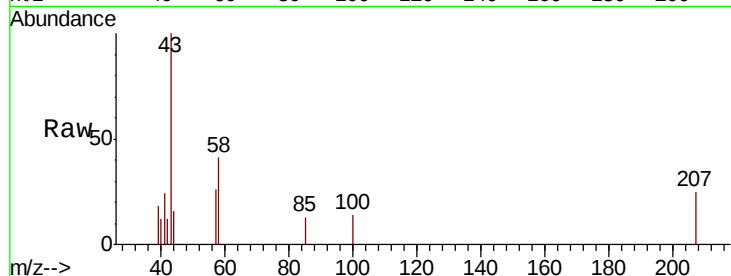
ClientSampled :

Tot Ion: 43 Resp: 3802

Ion Ratio Lower Upper

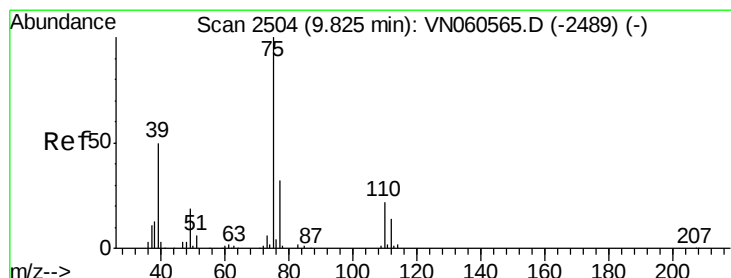
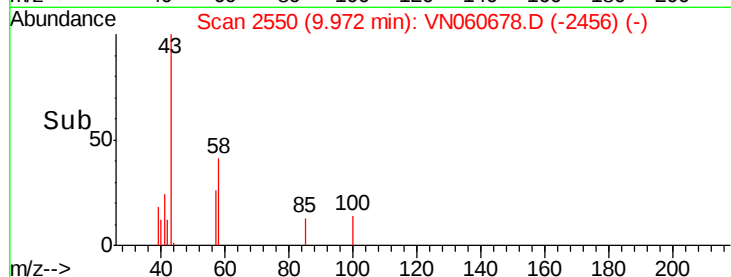
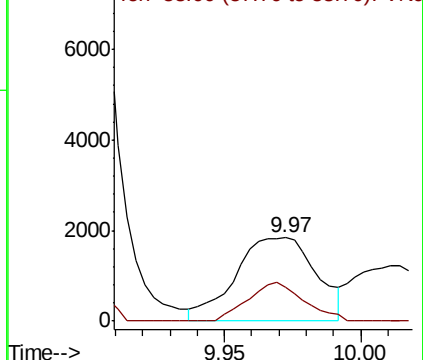
43 100

58 32.1 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.112 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060678.D

Acq: 24 Mar 2020 17:30

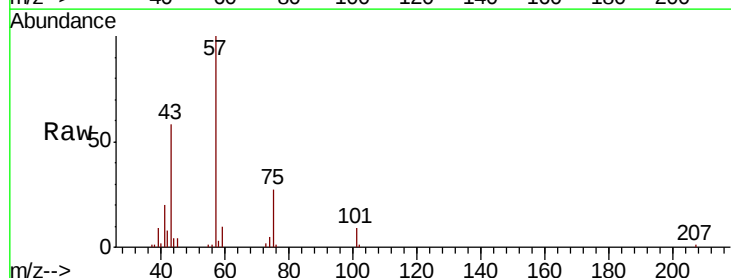
Tgt Ion: 75 Resp: 21426

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

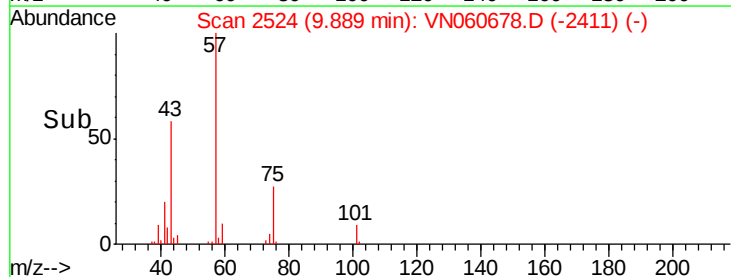
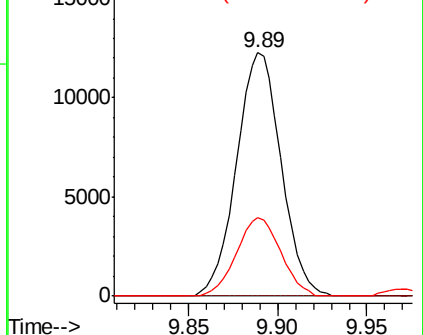
39 32.1 40.2 60.4#

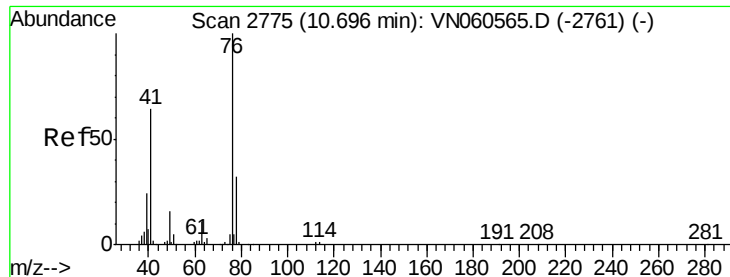


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 0.866 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060678.D

Acq: 24 Mar 2020 17:30

Instrument :

MSVOA_N

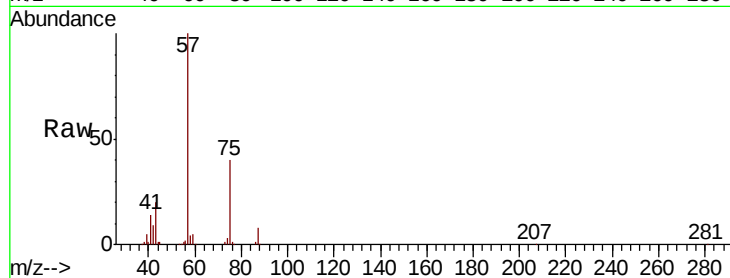
ClientSampleId :

Tot Ion: 76 Resp: 3504

Ion Ratio Lower Upper

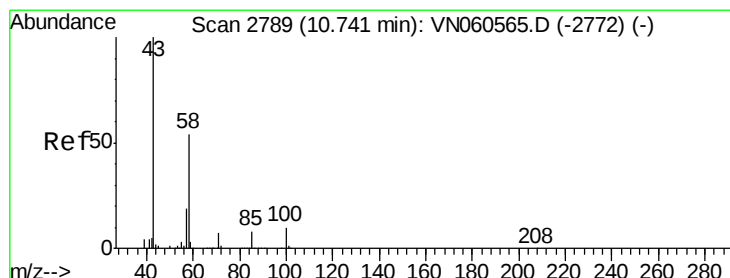
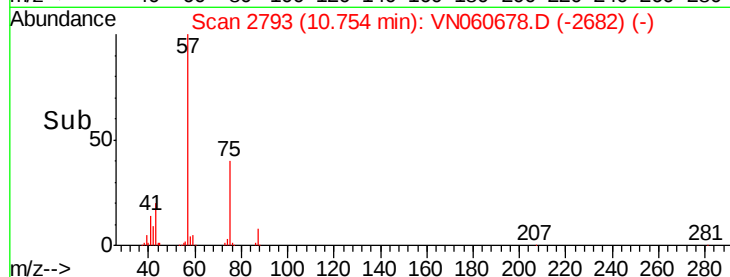
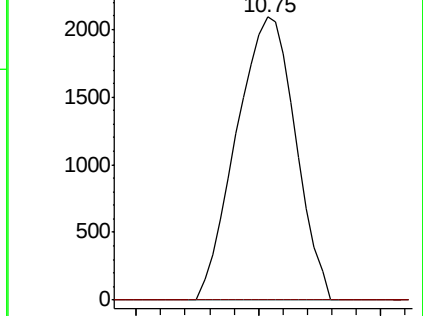
76 100

78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 22.238 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060678.D

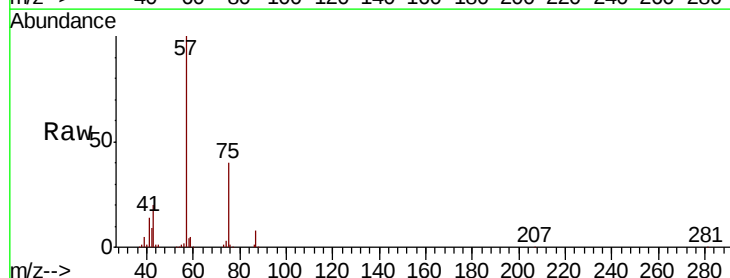
Acq: 24 Mar 2020 17:30

Tgt Ion: 43 Resp: 53988

Ion Ratio Lower Upper

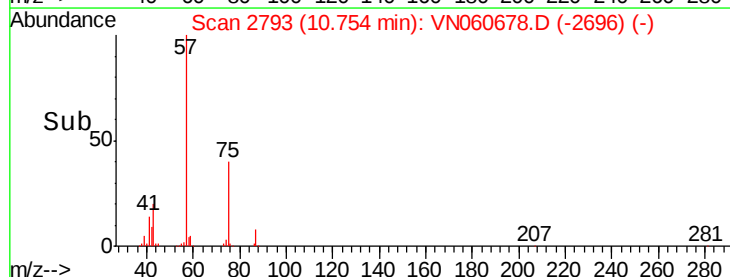
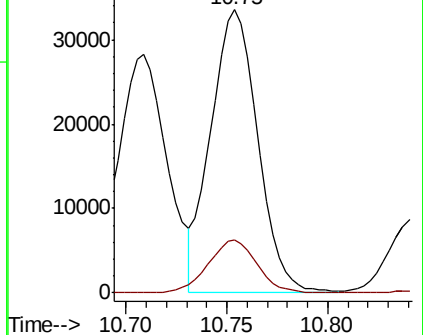
43 100

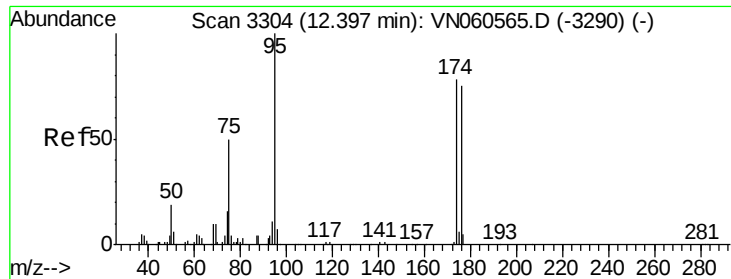
58 19.5 26.7 80.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

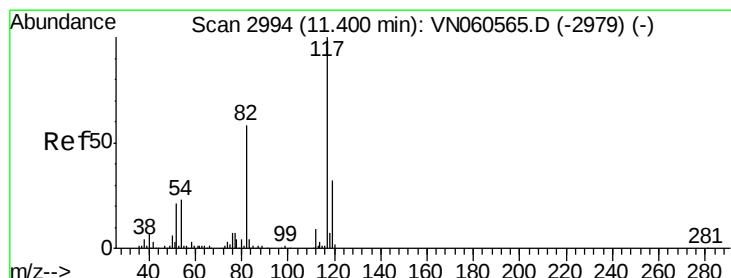
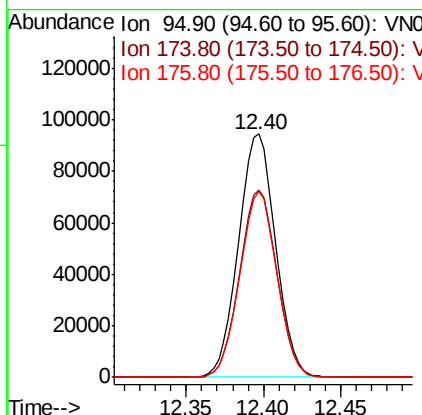
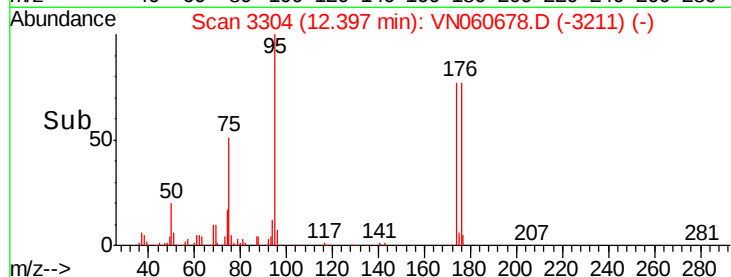
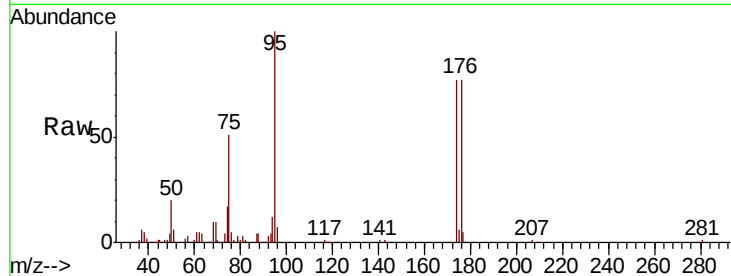




#62
4-Bromofluorobenzene
Concen: 50.814 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060678.D
Acq: 24 Mar 2020 17:30

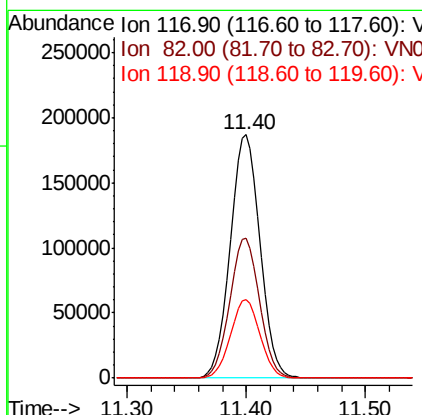
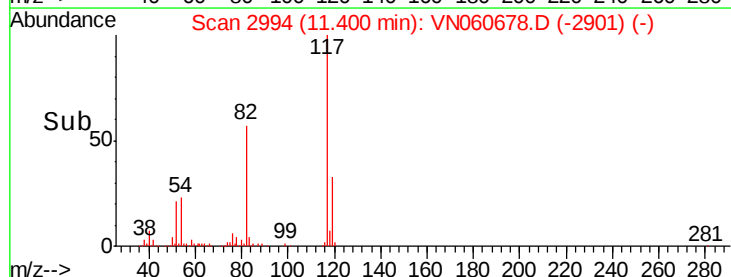
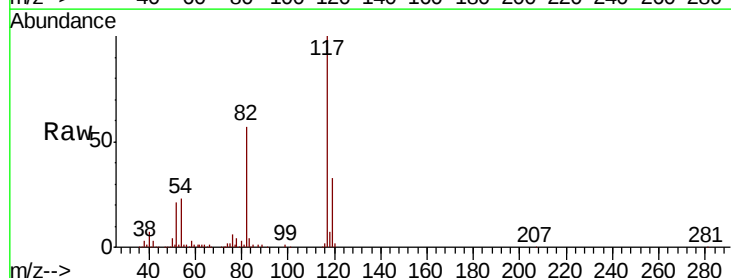
Instrument :
MSVOA_N
ClientSampleId :

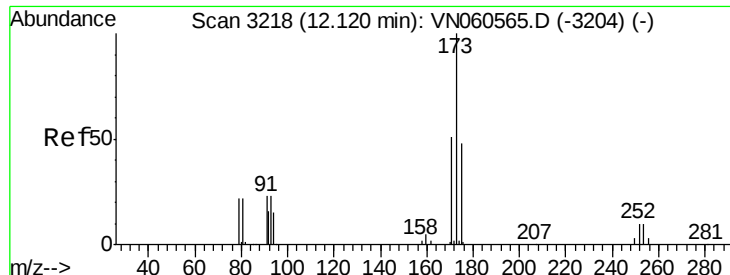
Tot Ion: 95 Resp: 157873
Ion Ratio Lower Upper
95 100
174 77.5 0.0 157.6
176 76.1 0.0 150.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060678.D
Acq: 24 Mar 2020 17:30

Tgt Ion: 117 Resp: 324130
Ion Ratio Lower Upper
117 100
82 57.3 46.7 70.1
119 32.5 25.5 38.3

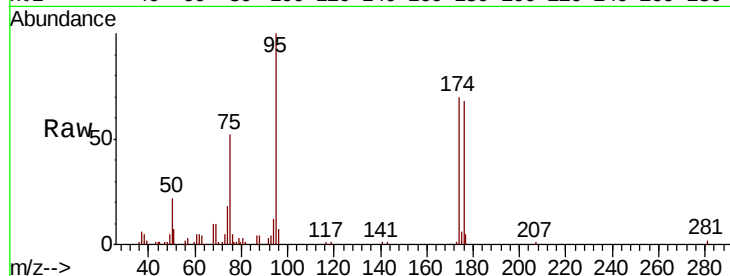




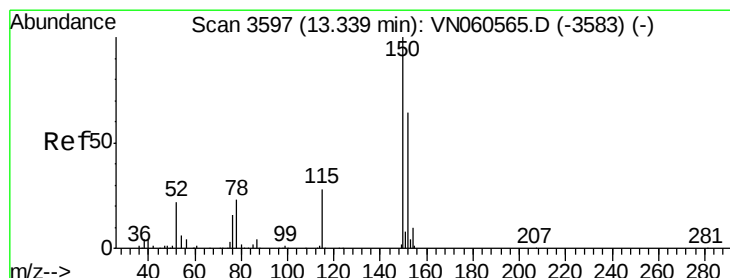
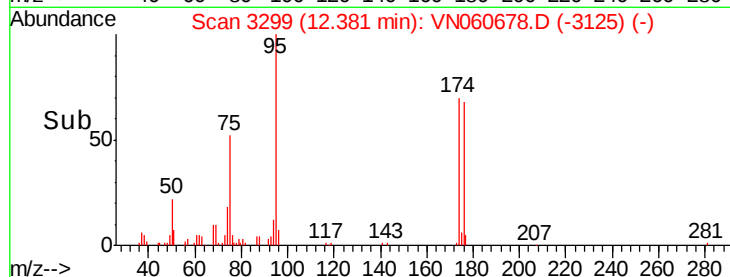
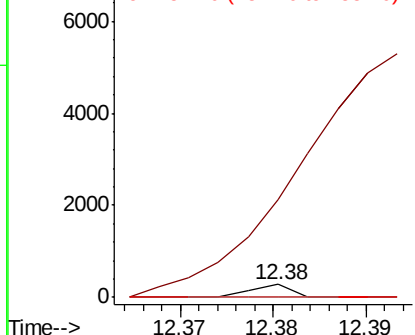
#71
Bromoform
Concen: 1.723 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.26 min
Lab File: VN060678.D
Acq: 24 Mar 2020 17:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 85
Ion Ratio Lower Upper
173 100
175 9138.8 24.1 72.4#
254 0.0 0.0 0.0

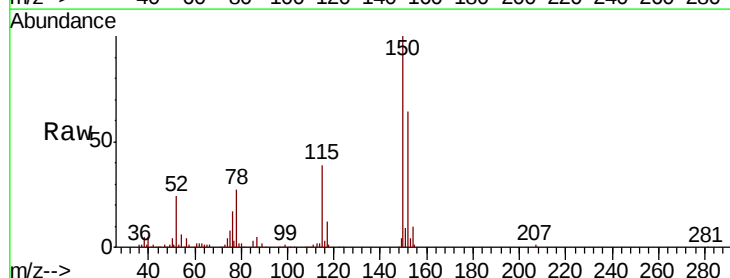


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

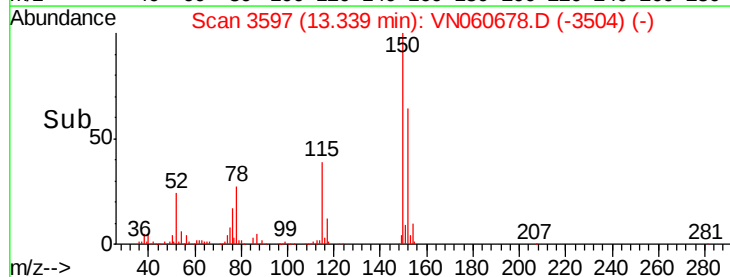
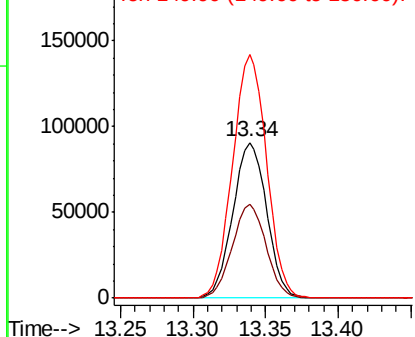


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060678.D
Acq: 24 Mar 2020 17:30

Tgt Ion:152 Resp: 147364
Ion Ratio Lower Upper
152 100
115 60.1 30.2 90.6
150 157.5 0.0 350.2



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: 0.682 ug/l

RT: 12.02 min Scan# 3186

Delta R.T. -0.05 min

Lab File: VN060678.D

Acq: 24 Mar 2020 17:30

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 3486

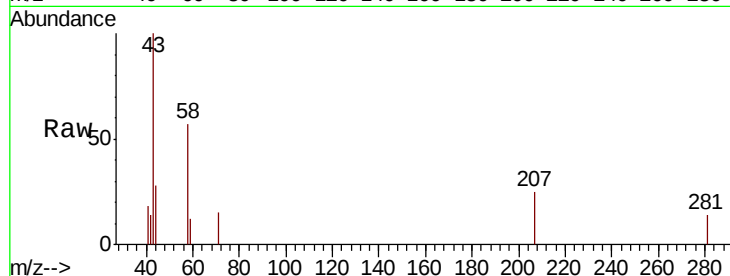
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

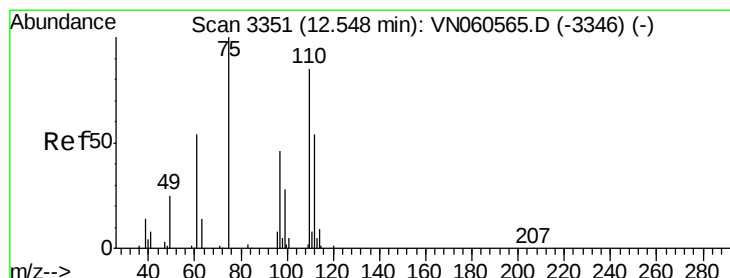
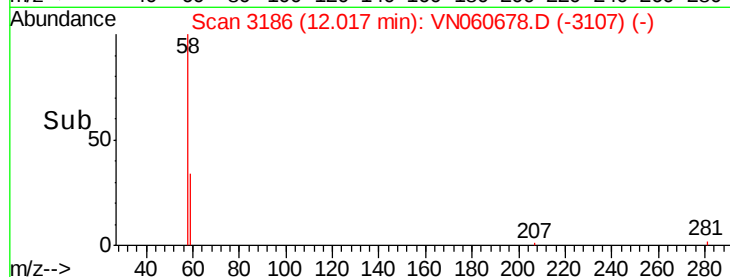
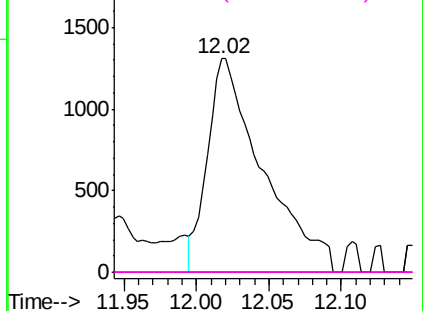


Abundance Ion 43.00 (42.70 to 43.70): VN0

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



#76

1,2,3-Trichloropropane

Concen: 25.370 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060678.D

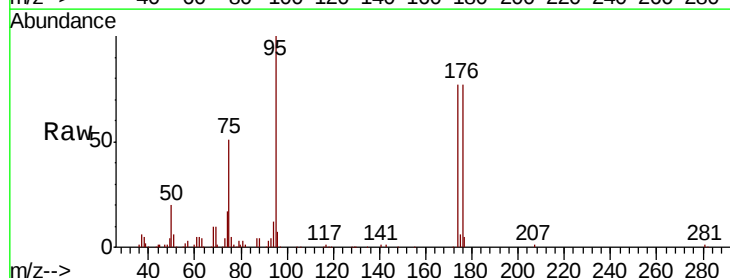
Acq: 24 Mar 2020 17:30

Tgt Ion: 75 Resp: 80673

Ion Ratio Lower Upper

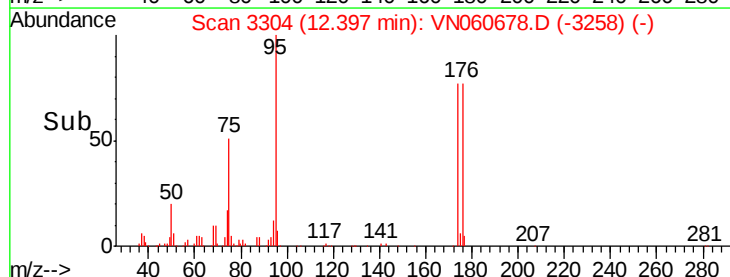
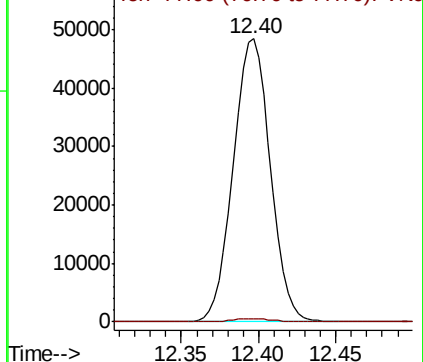
75 100

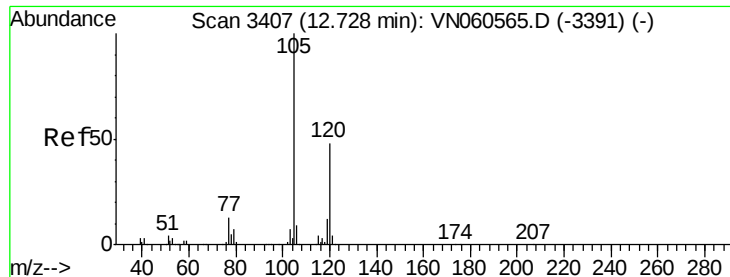
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

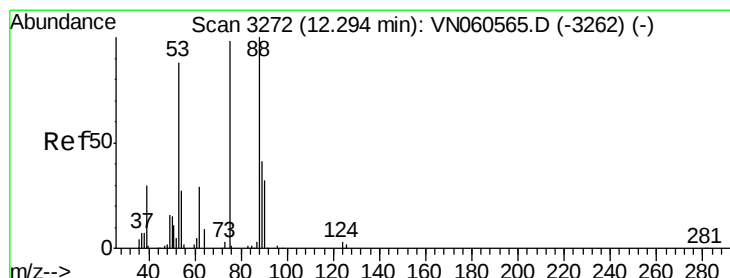
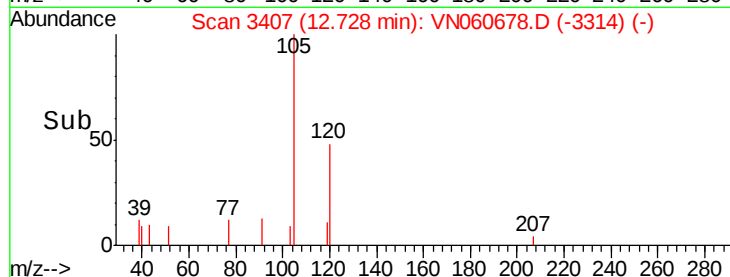
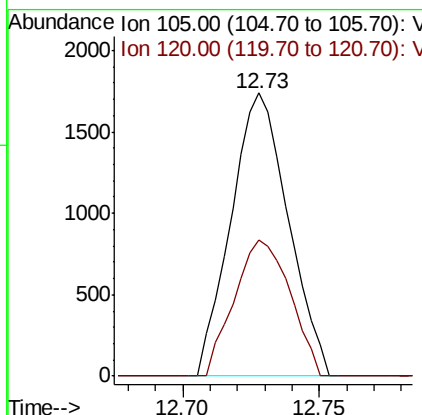
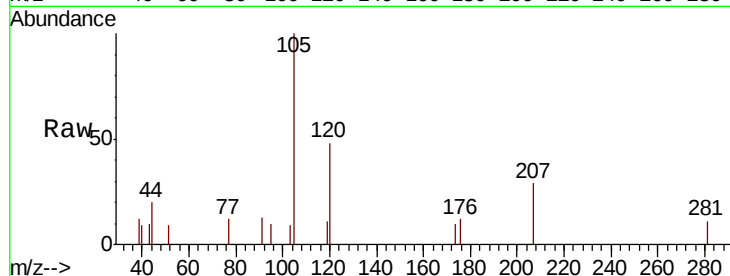




#80
 1,3,5-Trimethylbenzene
 Concen: 0.269 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN060678.D
 Acq: 24 Mar 2020 17:30

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:105 Resp: 2526
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.9 71.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.159 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060678.D
 Acq: 24 Mar 2020 17:30

Tgt Ion: 75 Resp: 80673
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.4#
 89 0.0 34.8 52.2#

