

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032020\
 Data File : VN060658.D
 Acq On : 20 Mar 2020 17:18
 Operator : JC/MD
 Sample : L1755-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 20 23:26:09 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	200888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	333724	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	315657	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145297	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	132275	47.97	ug/l	0.00
Spiked Amount						
			Recovery	=	95.94%	
35) Dibromofluoromethane	7.57	113	100207	49.66	ug/l	0.00
Spiked Amount						
			Recovery	=	99.32%	
50) Toluene-d8	10.08	98	414615	50.30	ug/l	0.00
Spiked Amount						
			Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.40	95	155454	51.46	ug/l	0.00
Spiked Amount						
			Recovery	=	102.92%	

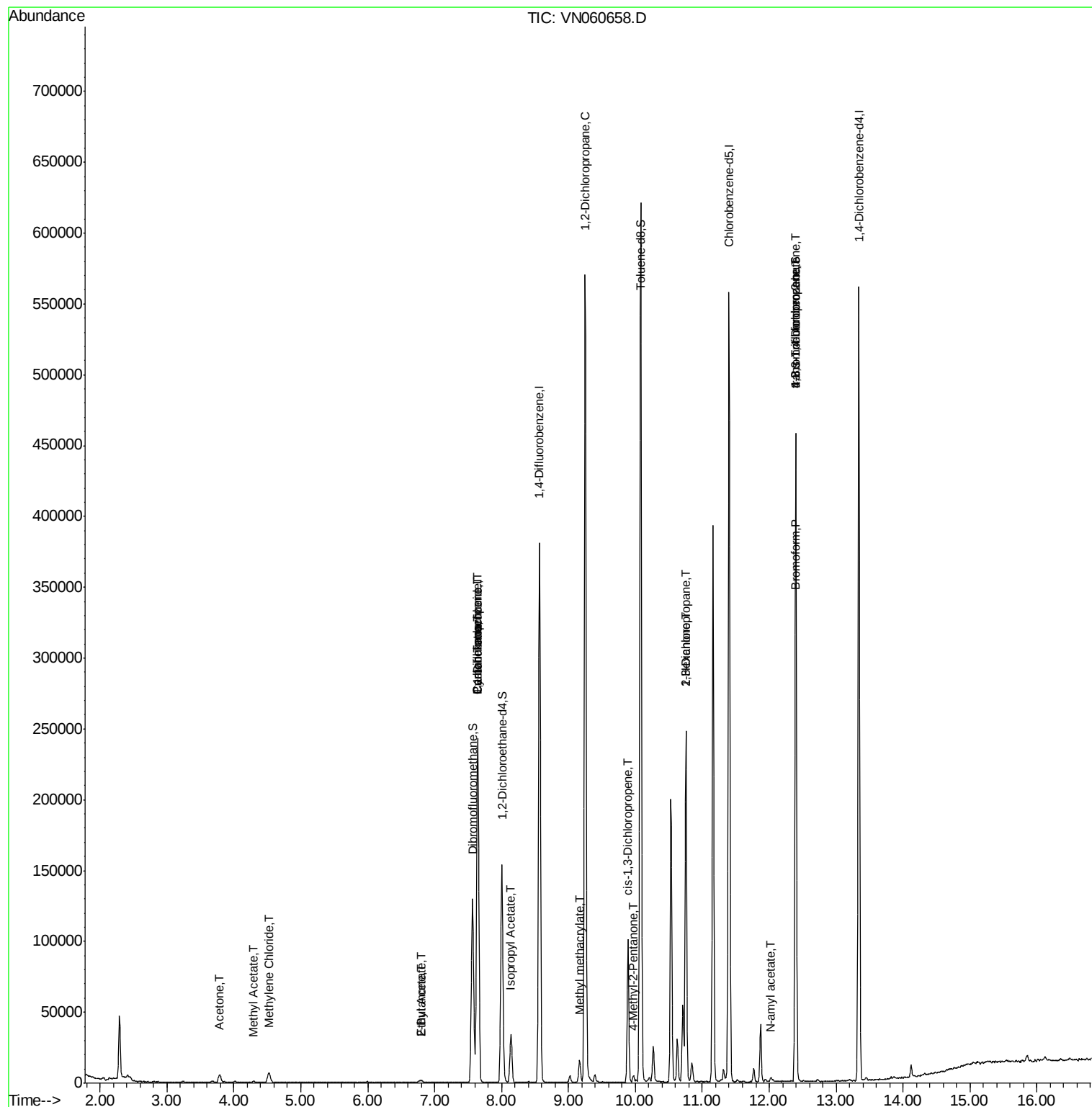
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	10545	10.795	ug/l	96
18) Methyl Acetate	4.30	43	1550	0.564	ug/l #	58
20) Methylene Chloride	4.53	84	5344	2.224	ug/l	98
25) 2-Butanone	6.80	43	2342	1.482	ug/l #	50
31) Cyclohexane	7.64	56	4144	0.933	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	16023	4.958	ug/l #	46
37) Ethyl Acetate	6.80	43	2342	0.671	ug/l #	70
38) Carbon Tetrachloride	7.64	117	19174	6.620	ug/l #	16
43) Isopropyl Acetate	8.14	43	40390	7.014	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	565	0.219	ug/l #	43
48) Methyl methacrylate	9.16	41	2362	0.921	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	3831	1.169	ug/l #	85
54) cis-1,3-Dichloropropene	9.89	75	17927	4.399	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	2492	0.634	ug/l #	42
59) 2-Hexanone	10.75	43	37750	15.993	ug/l #	52
71) Bromoform	12.38	173	37	1.699	ug/l #	29
74) N-amyl acetate	12.02	43	2570	0.510	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	77999	24.878	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	77999	63.895	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.49	75	62	Below Cal	#	3

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060658.D

Acq: 20 Mar 2020 17:18

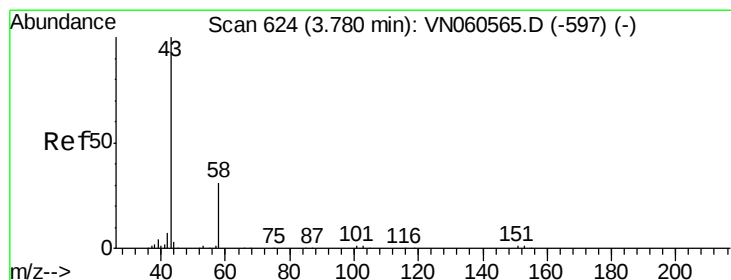
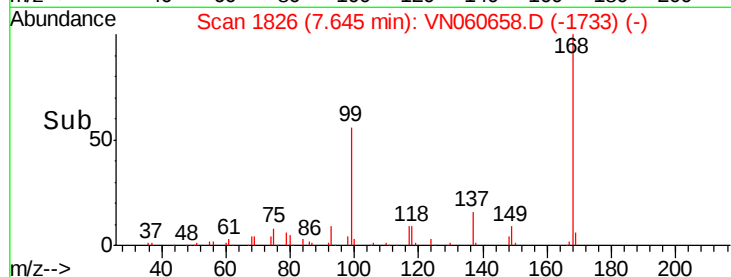
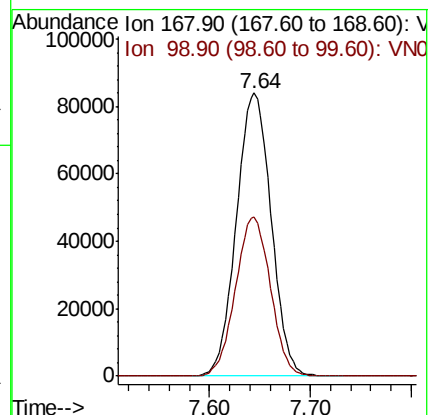
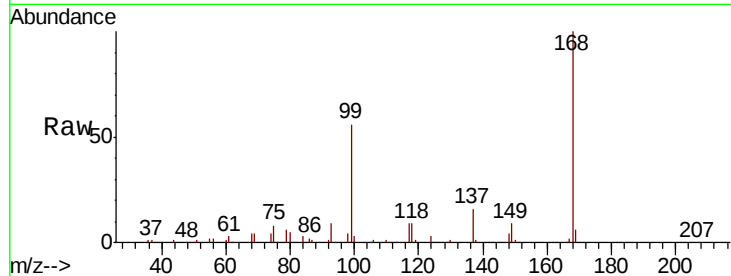
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 200888

Ion Ratio Lower Upper

168 100

99 56.1 44.0 66.0



#16

Acetone

Concen: 10.795 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060658.D

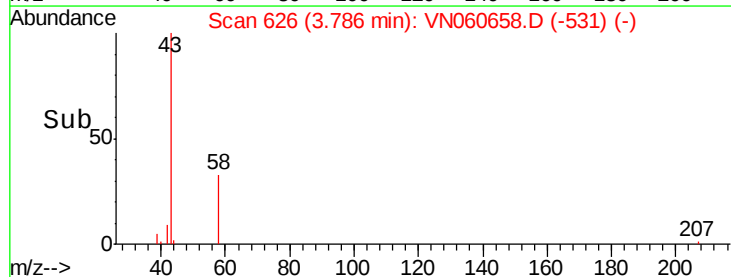
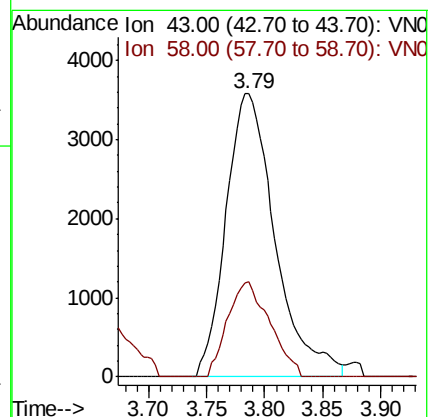
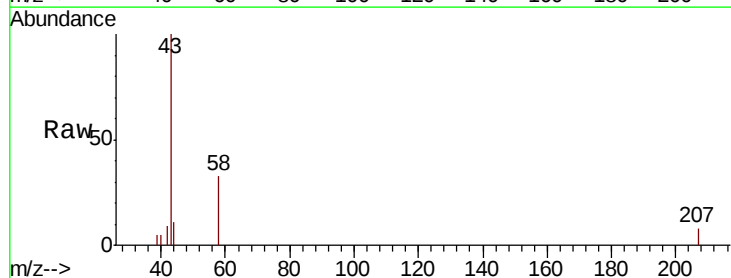
Acq: 20 Mar 2020 17:18

Tgt Ion: 43 Resp: 10545

Ion Ratio Lower Upper

43 100

58 33.5 25.1 37.7

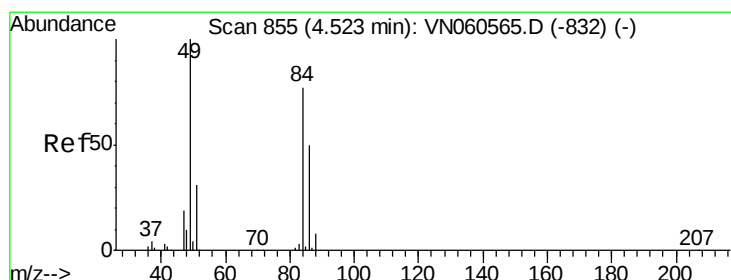
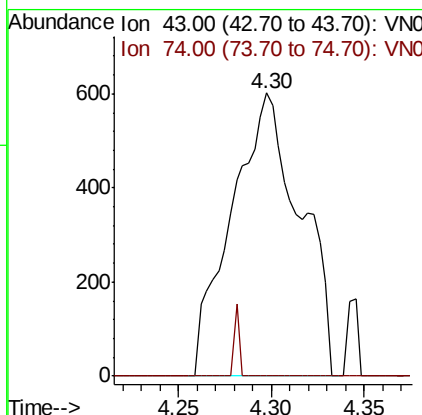
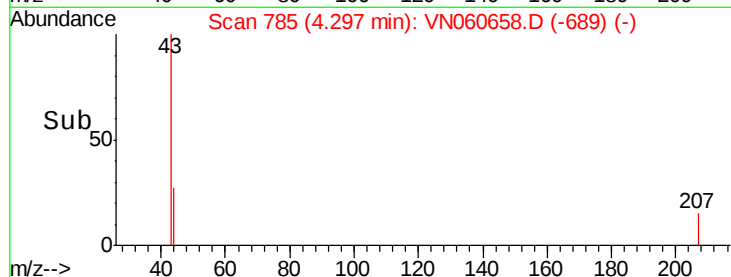
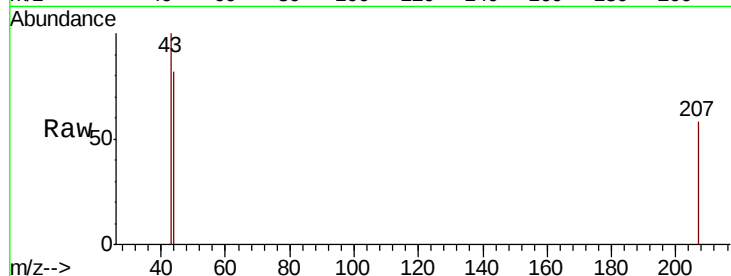




#18
Methyl Acetate
Concen: 0.564 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN060658.D
Acq: 20 Mar 2020 17:18

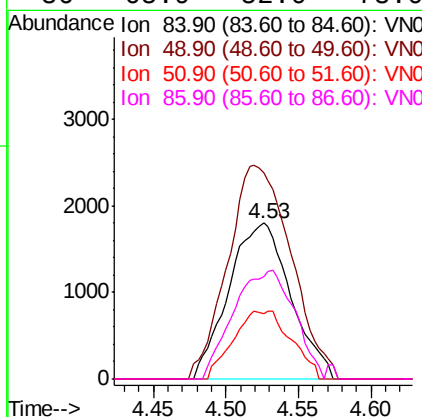
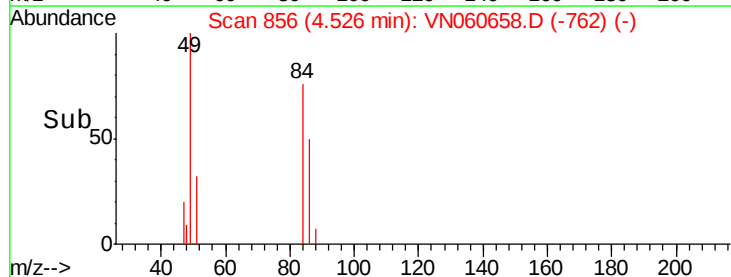
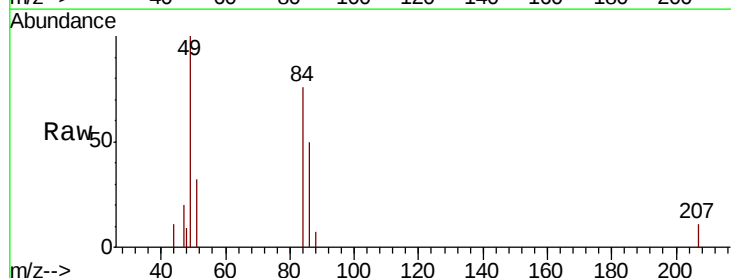
Instrument :
MSVOA_N
ClientSampled :

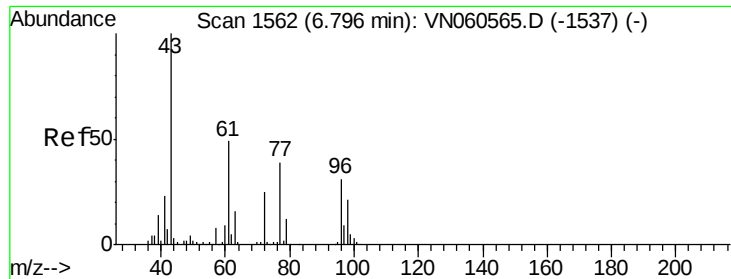
Tot Ion: 43 Resp: 1550
Ion Ratio Lower Upper
43 100
74 1.9 17.5 26.3#



#20
Methylene Chloride
Concen: 2.224 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060658.D
Acq: 20 Mar 2020 17:18

Tgt Ion: 84 Resp: 5344
Ion Ratio Lower Upper
84 100
49 132.3 103.3 154.9
51 41.8 31.6 47.4
86 65.9 52.0 78.0

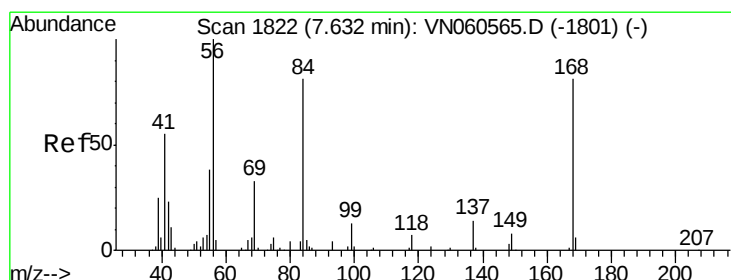
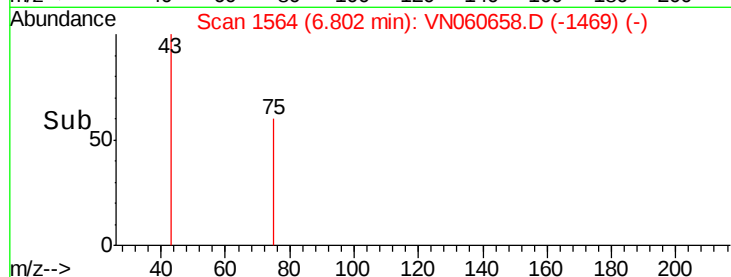
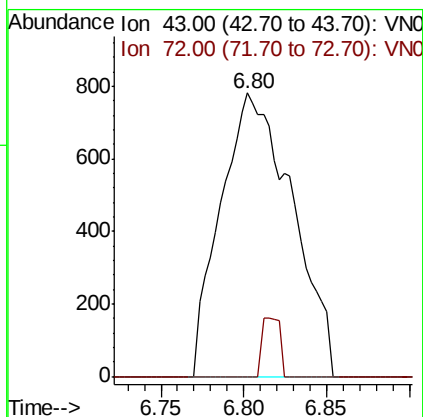
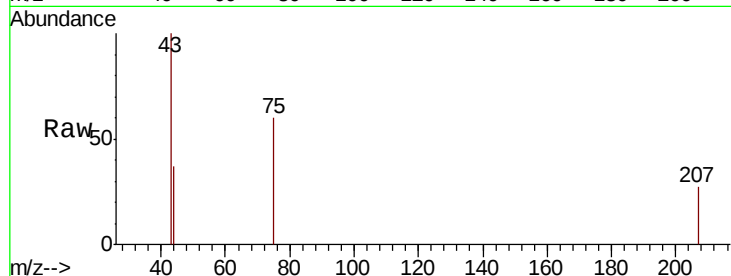




#25
2-Butanone
Concen: 1.482 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VN060658.D
Acq: 20 Mar 2020 17:18

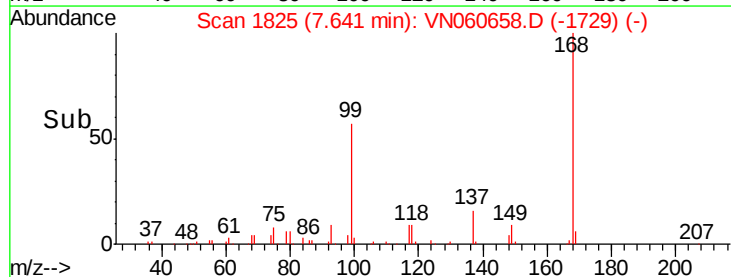
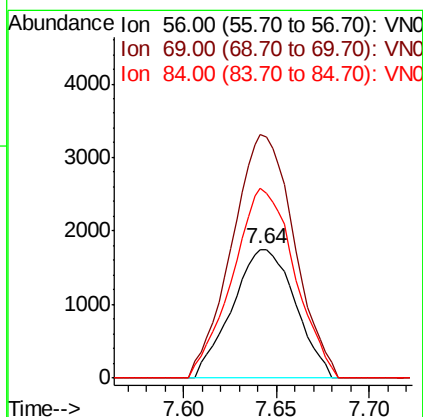
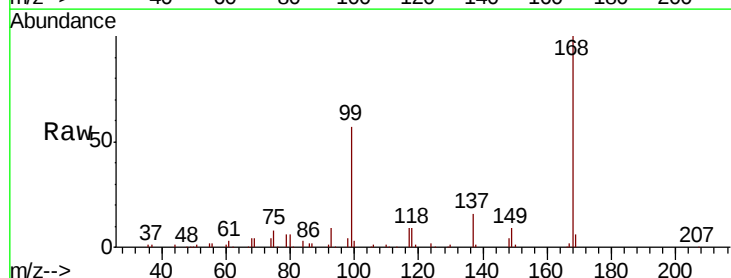
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 2342
Ion Ratio Lower Upper
43 100
72 0.0 20.4 30.6#



#31
Cyclohexane
Concen: 0.933 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060658.D
Acq: 20 Mar 2020 17:18

Tgt Ion: 56 Resp: 4144
Ion Ratio Lower Upper
56 100
69 189.6 26.6 40.0#
84 148.0 64.3 96.5#

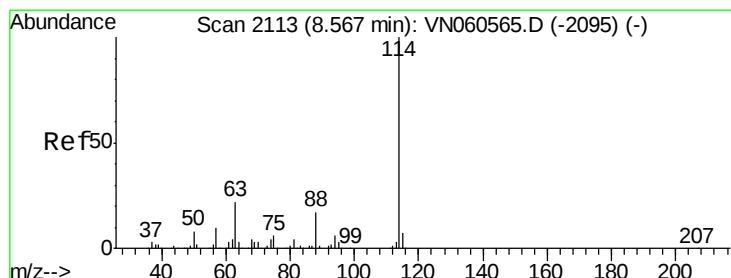
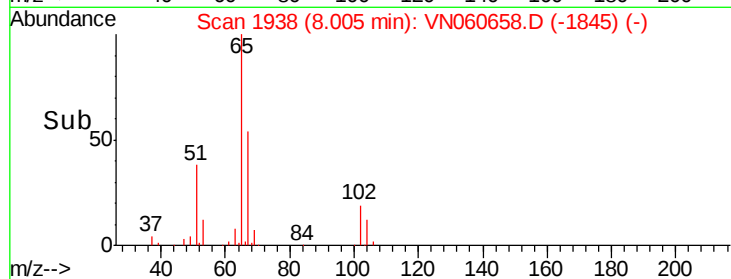
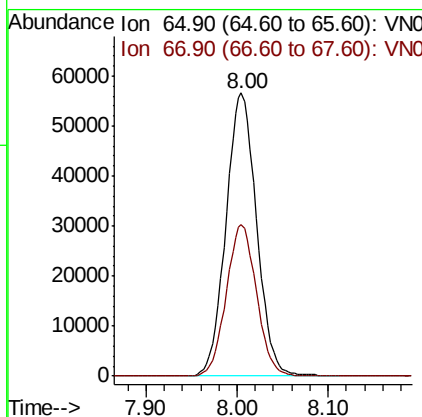
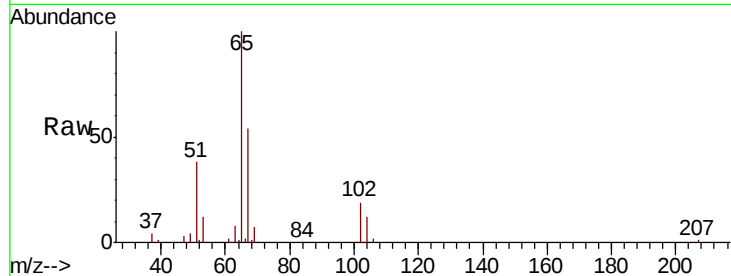




#33
 1,2-Dichloroethane-d4
 Concen: 47.965 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060658.D
 Acq: 20 Mar 2020 17:18

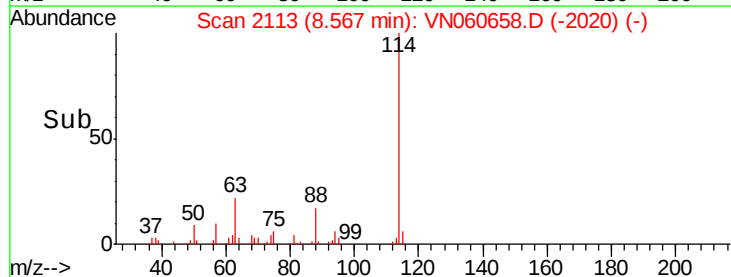
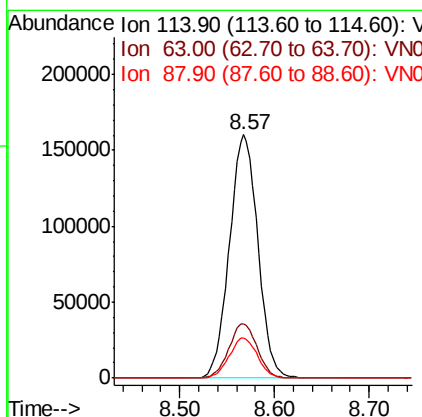
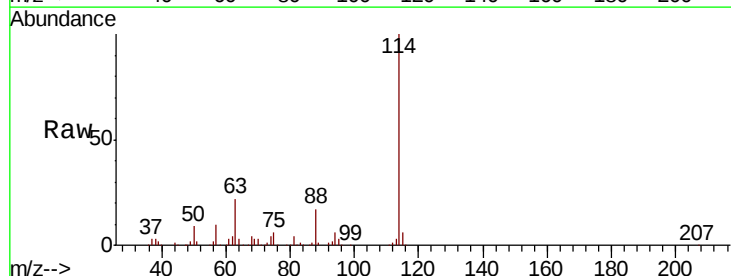
Instrument :
 MSVOA_N
 ClientSampleId :

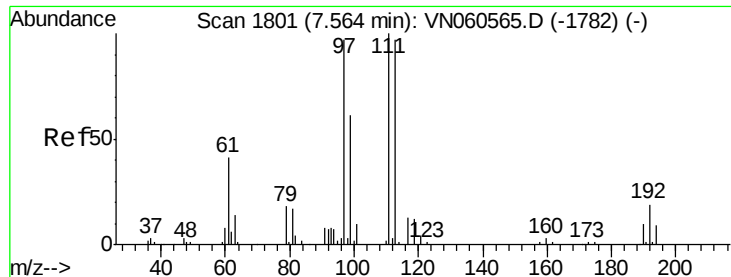
Tot Ion: 65 Resp: 132275
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060658.D
 Acq: 20 Mar 2020 17:18

Tgt Ion: 114 Resp: 333724
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 43.8
 88 16.6 0.0 33.0

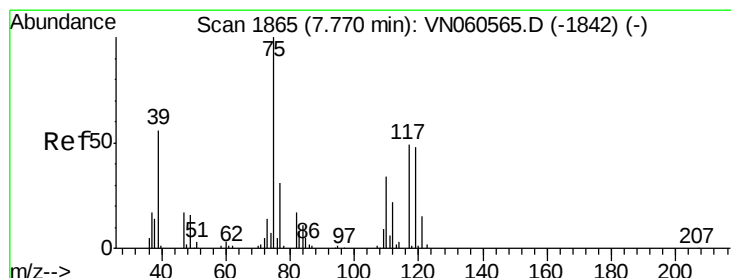
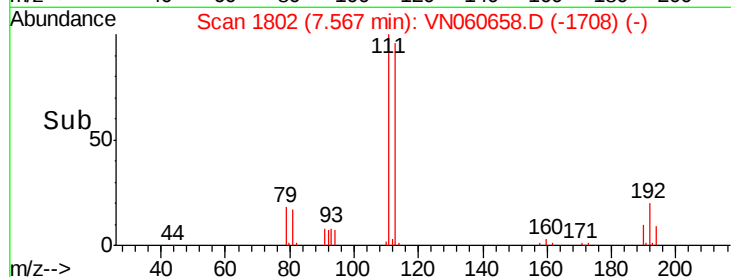
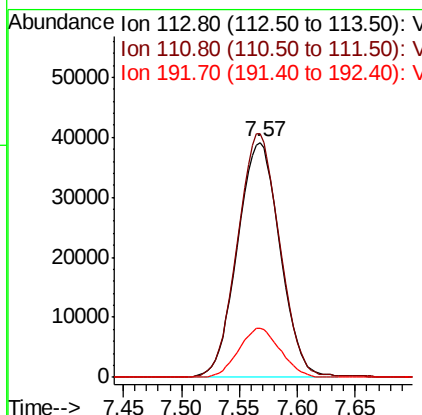
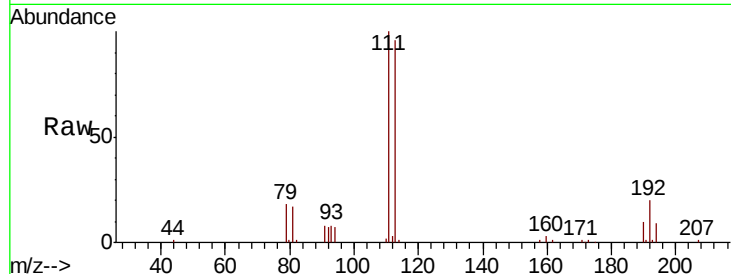




#35
 Dibromofluoromethane
 Concen: 49.658 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060658.D
 Acq: 20 Mar 2020 17:18

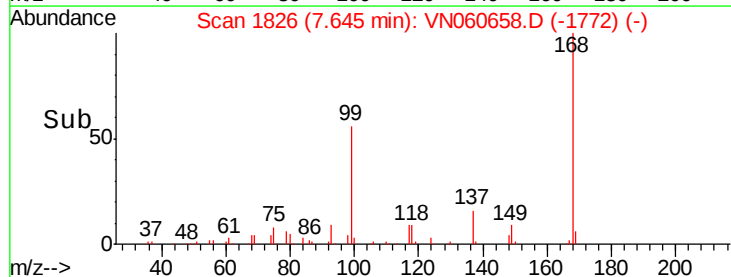
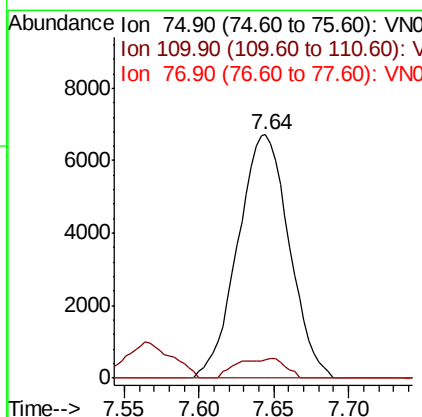
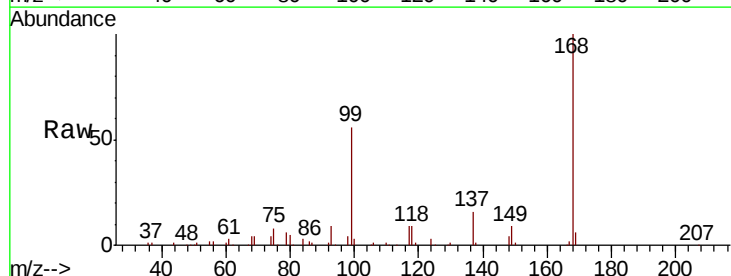
Instrument :
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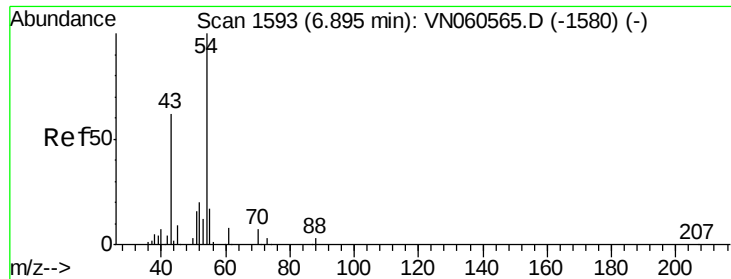
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.9	124.3
192	20.4	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 4.958 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060658.D
 Acq: 20 Mar 2020 17:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	3.6	16.9	50.6#
77	0.0	24.6	36.8#

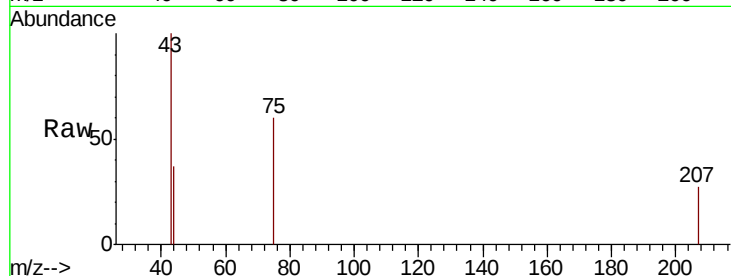




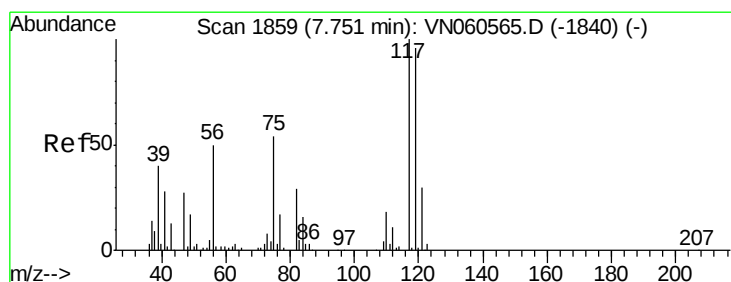
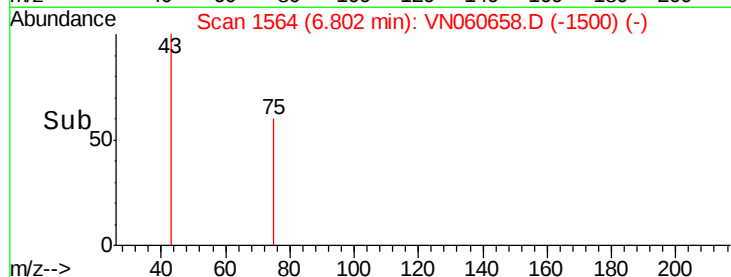
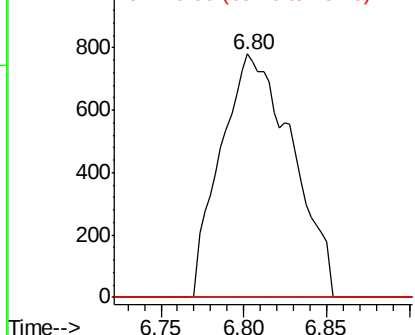
#37
Ethyl Acetate
Concen: 0.671 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.09 min
Lab File: VN060658.D
Acq: 20 Mar 2020 17:18

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 2342
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.9 11.9#

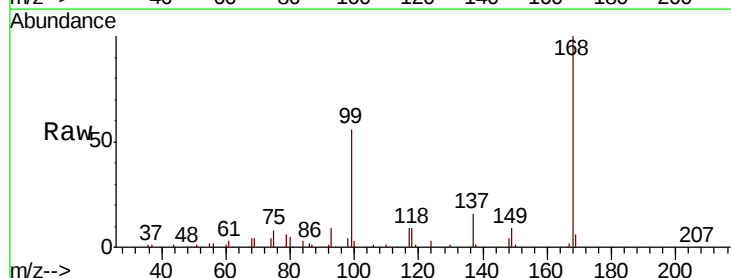


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

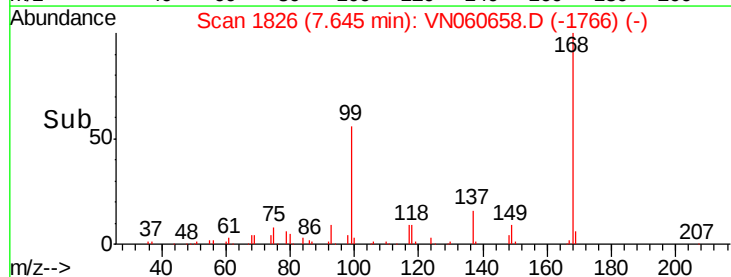
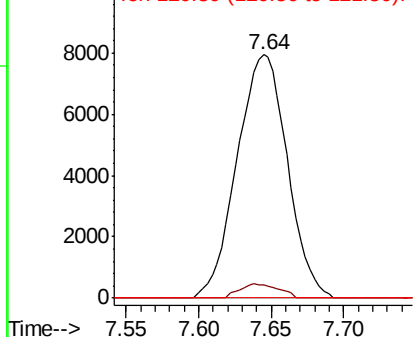


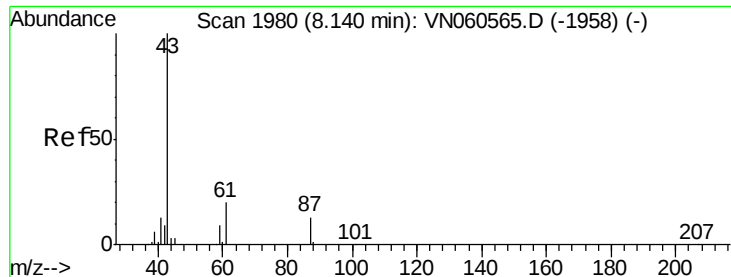
#38
Carbon Tetrachloride
Concen: 6.620 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060658.D
Acq: 20 Mar 2020 17:18

Tgt Ion: 117 Resp: 19174
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.2#
121 0.0 23.7 35.5#



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

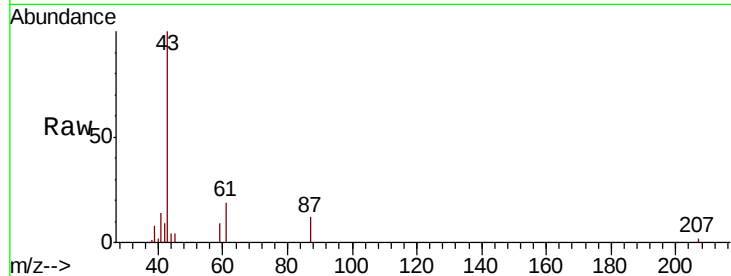




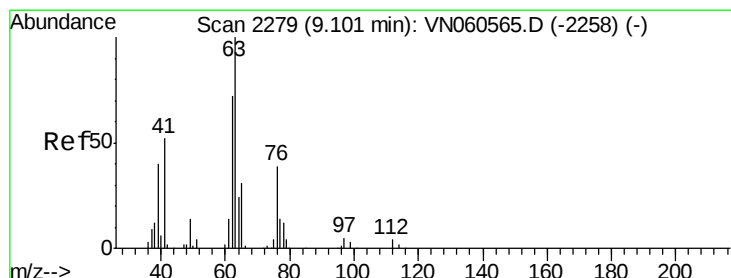
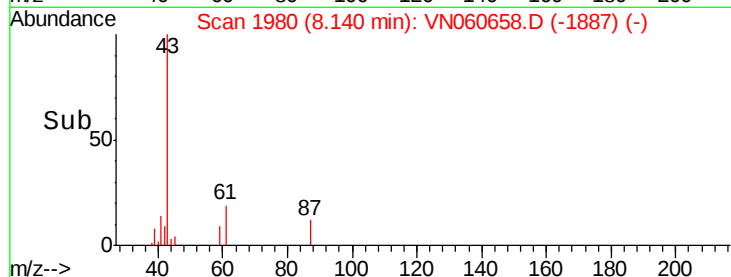
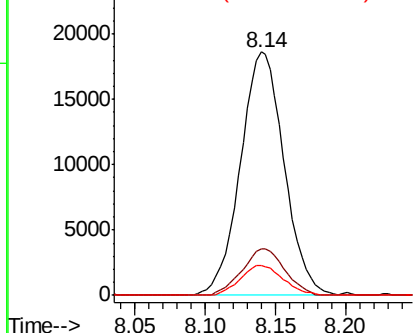
#43
Isopropyl Acetate
Concen: 7.014 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060658.D
Acq: 20 Mar 2020 17:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 40390
Ion Ratio Lower Upper
43 100
61 18.7 20.7 31.1#
87 12.0 9.8 14.8

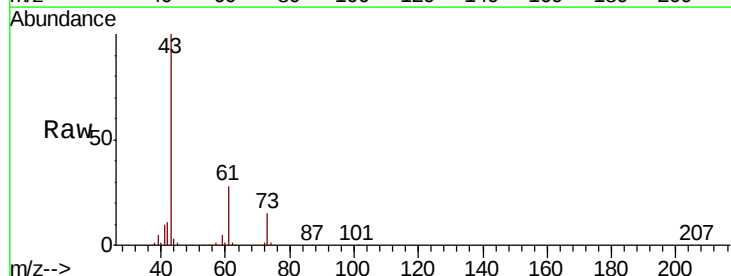


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

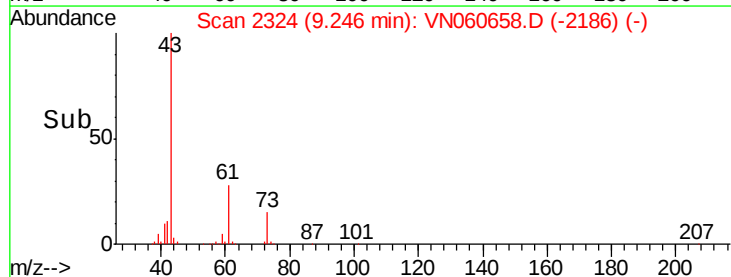
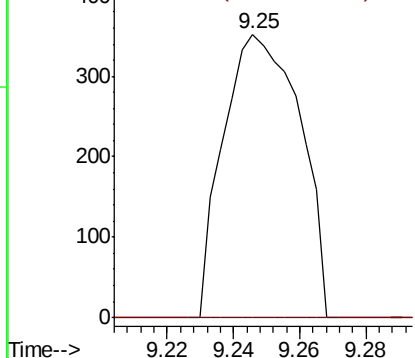


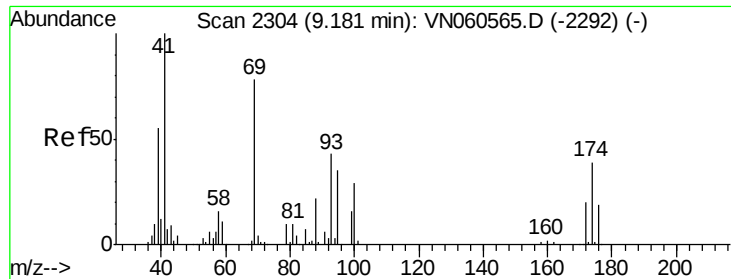
#45
1,2-Dichloropropane
Concen: 0.219 ug/l
RT: 9.25 min Scan# 2324
Delta R.T. 0.14 min
Lab File: VN060658.D
Acq: 20 Mar 2020 17:18

Tgt Ion: 63 Resp: 565
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 64.90 (64.60 to 65.60): VN0

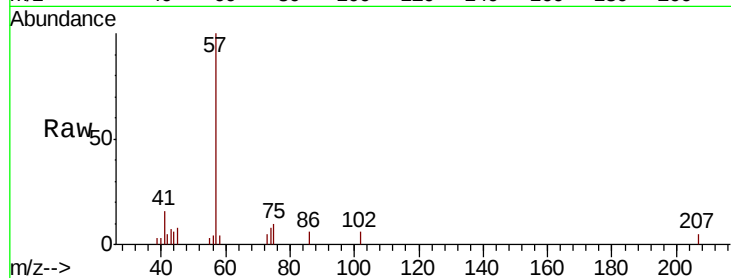




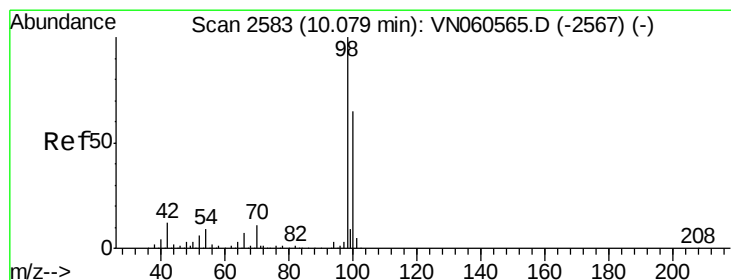
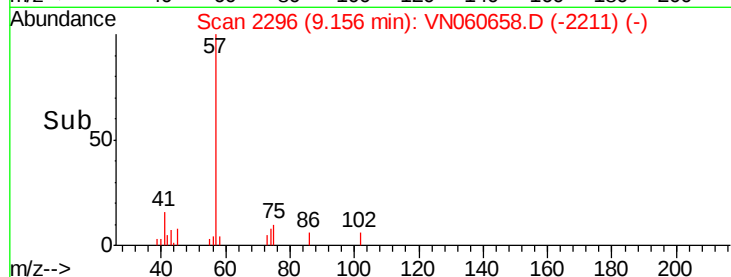
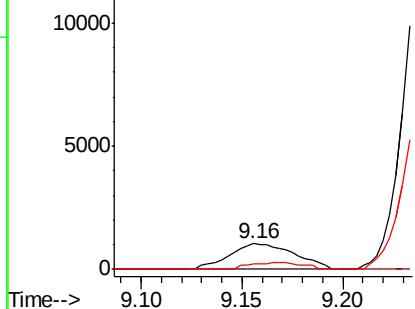
#48
Methvl methacrylate
Concen: 0.921 ug/l
RT: 9.16 min Scan# 2296
Delta R.T. -0.03 min
Lab File: VN060658.D
Acq: 20 Mar 2020 17:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 2362
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#

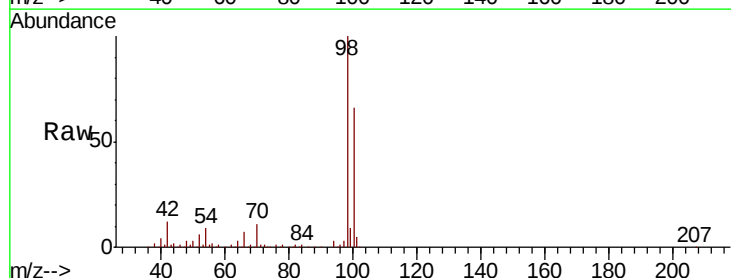


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

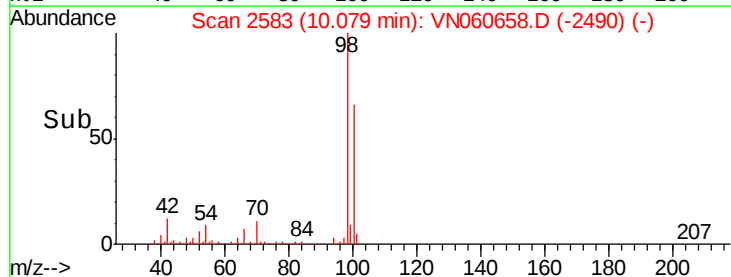
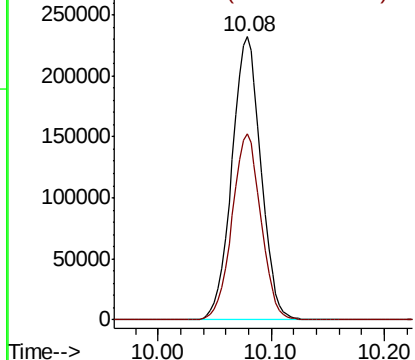


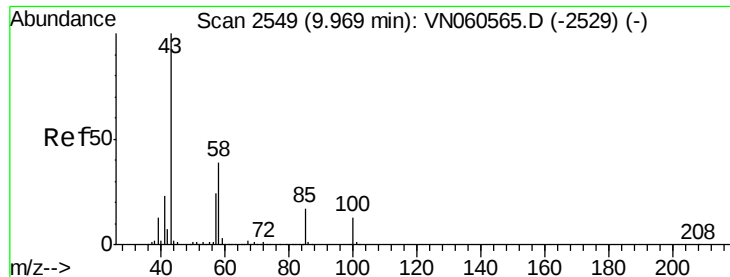
#50
Toluene-d8
Concen: 50.303 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060658.D
Acq: 20 Mar 2020 17:18

Tgt Ion: 98 Resp: 414615
Ion Ratio Lower Upper
98 100
100 65.2 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: 1.169 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN060658.D

Acq: 20 Mar 2020 17:18

Instrument :

MSVOA_N

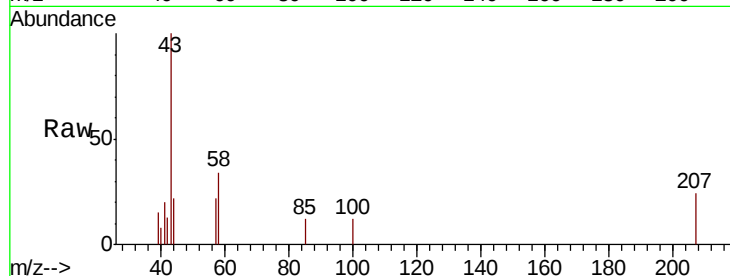
ClientSampleId :

Tot Ion: 43 Resp: 3831

Ion Ratio Lower Upper

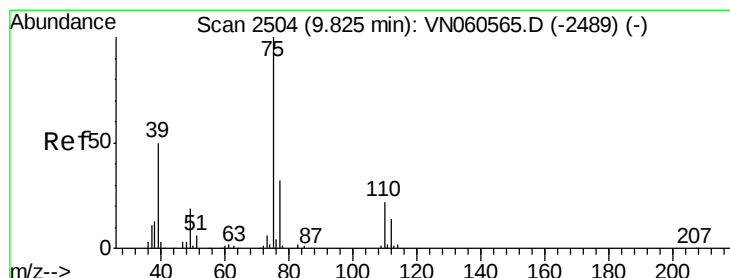
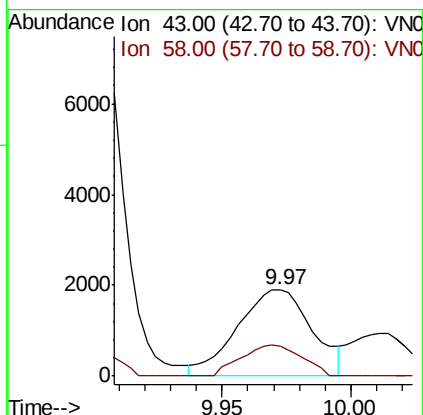
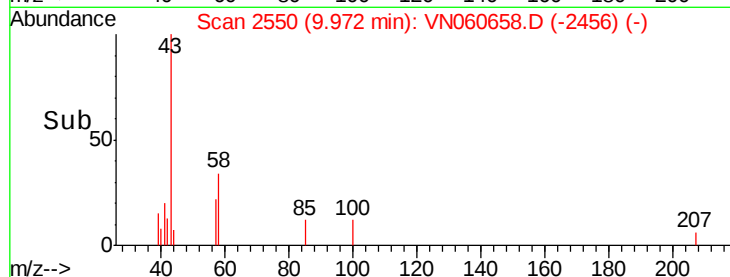
43 100

58 29.4 30.8 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-2529) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-2529) (-)



#54

cis-1,3-Dichloropropene

Concen: 4.399 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060658.D

Acq: 20 Mar 2020 17:18

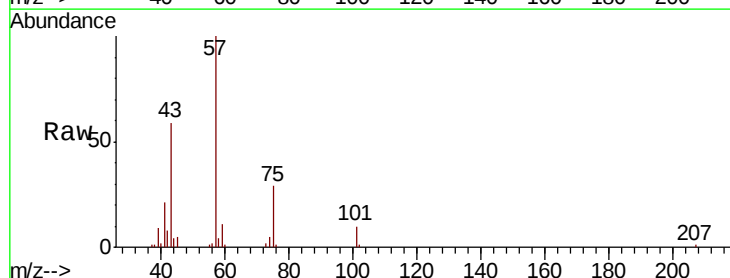
Tgt Ion: 75 Resp: 17927

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

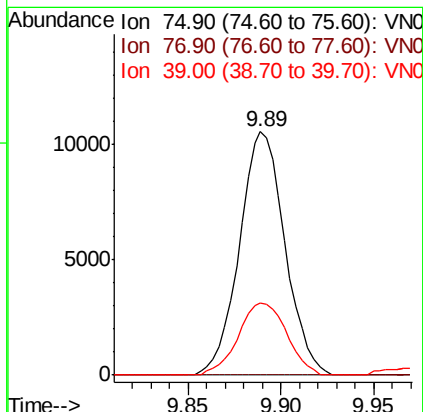
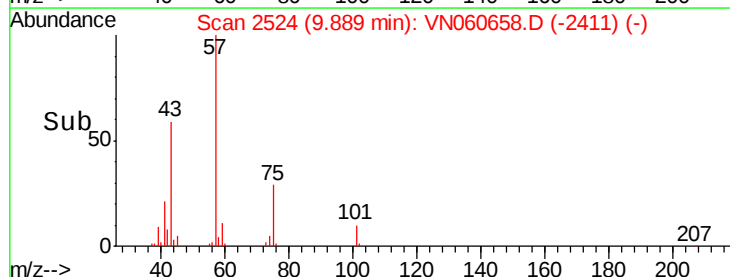
39 29.9 40.2 60.4#



Abundance Ion 74.90 (74.60 to 75.60): VN060565.D (-2489) (-)

Ion 76.90 (76.60 to 77.60): VN060565.D (-2489) (-)

Ion 39.00 (38.70 to 39.70): VN060565.D (-2489) (-)





#57

1,3-Dichloropropane

Concen: 0.634 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060658.D

Acq: 20 Mar 2020 17:18

Instrument :

MSVOA_N

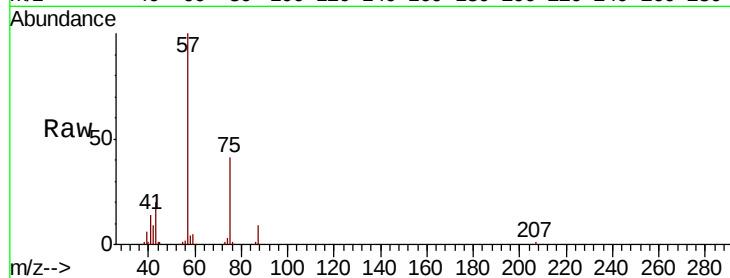
ClientSampleId :

Tot Ion: 76 Resp: 2492

Ion Ratio Lower Upper

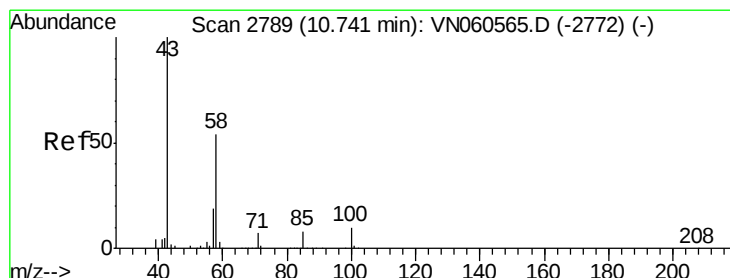
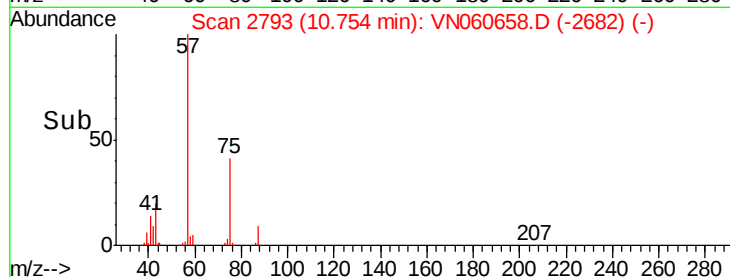
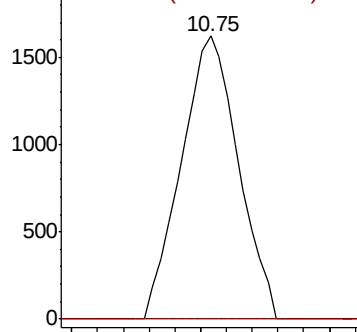
76 100

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: 15.993 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060658.D

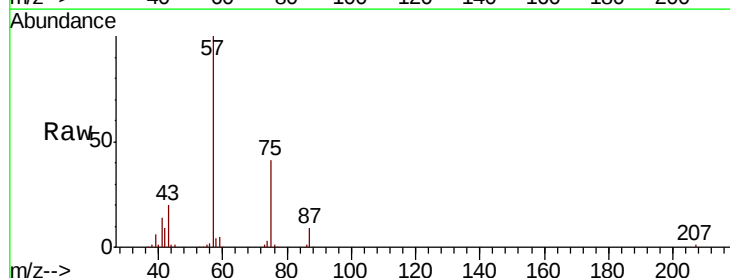
Acq: 20 Mar 2020 17:18

Tgt Ion: 43 Resp: 37750

Ion Ratio Lower Upper

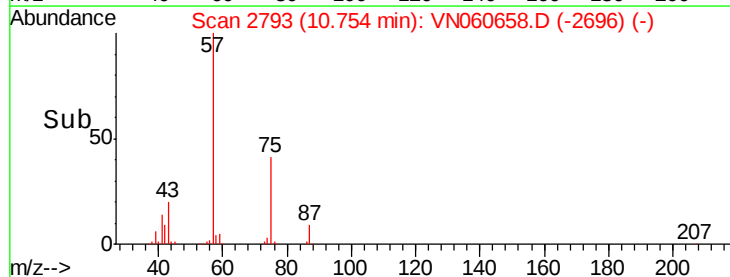
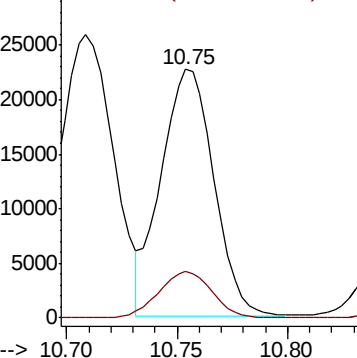
43 100

58 18.9 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: 51.462 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060658.D

Acq: 20 Mar 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

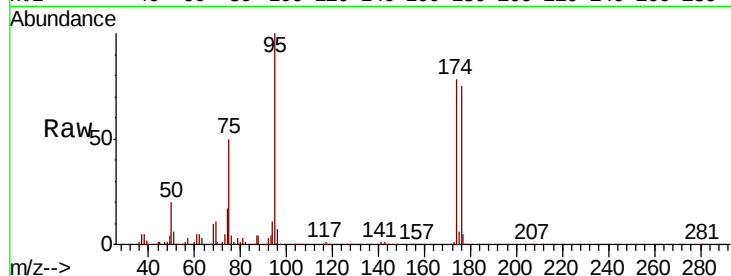
Tot Ion: 95 Resp: 155454

Ion Ratio Lower Upper

95 100

174 78.4 0.0 157.6

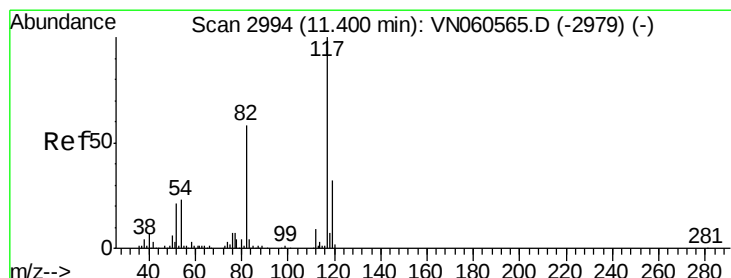
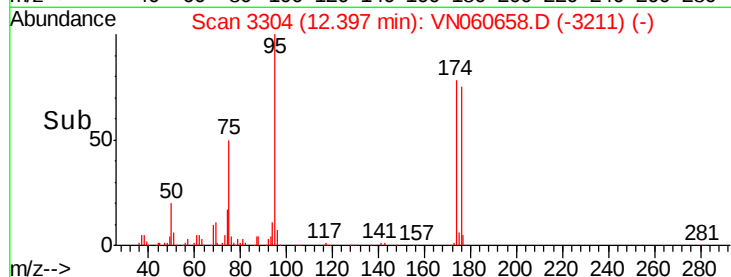
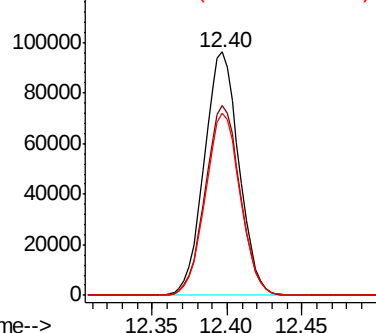
176 75.5 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060658.D

Acq: 20 Mar 2020 17:18

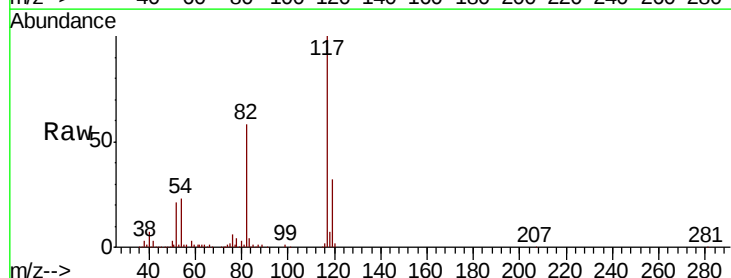
Tgt Ion: 117 Resp: 315657

Ion Ratio Lower Upper

117 100

82 58.2 46.7 70.1

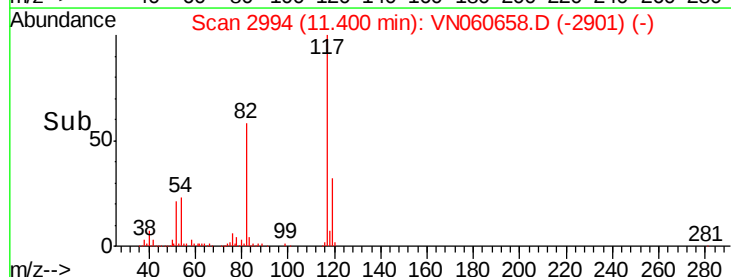
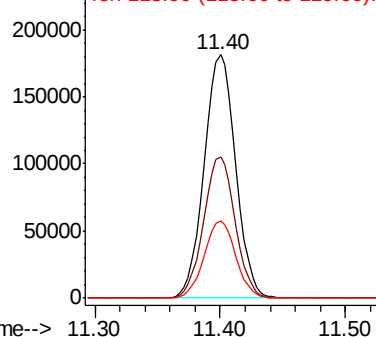
119 31.8 25.5 38.3

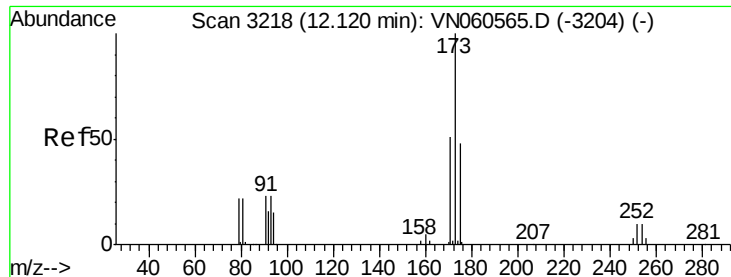


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 1.699 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.26 min

Lab File: VN060658.D

Acq: 20 Mar 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

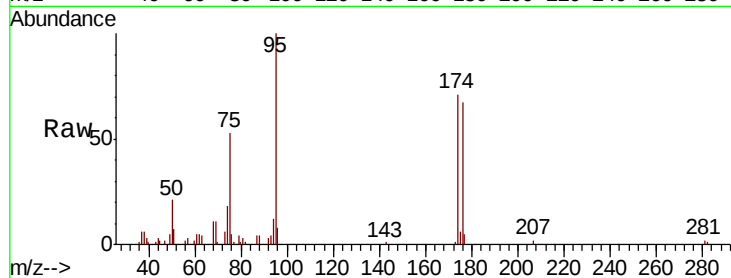
Tot Ion:173 Resp: 37

Ion Ratio Lower Upper

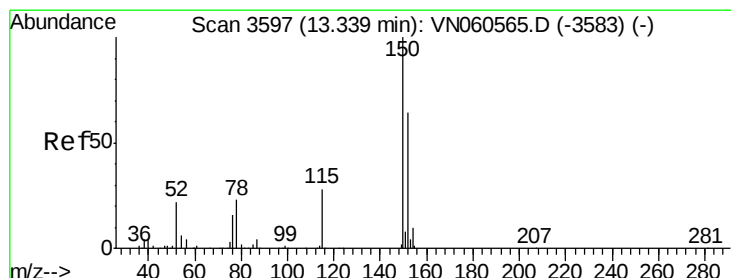
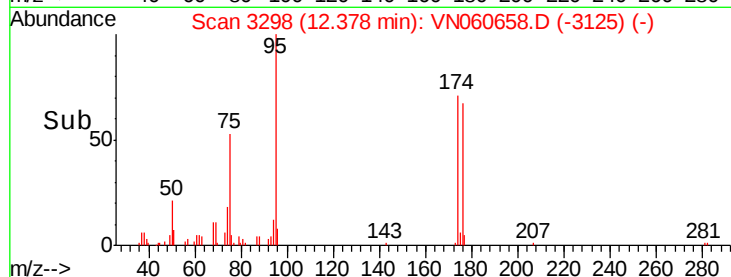
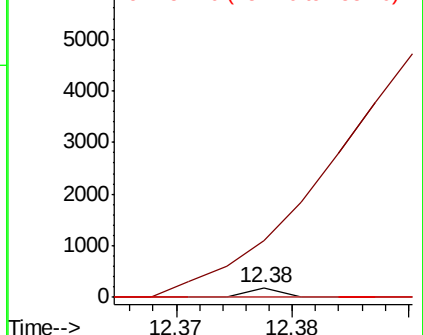
173 100

175 0.0 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: VN060658.D

Acq: 20 Mar 2020 17:18

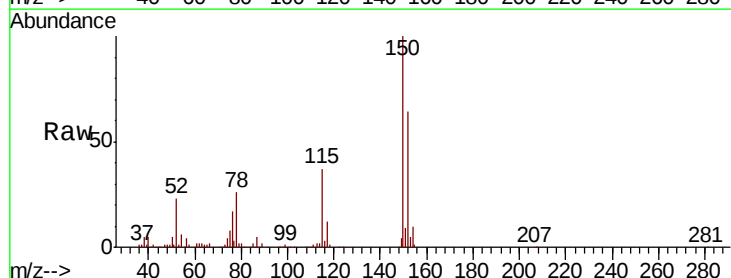
Tgt Ion:152 Resp: 145297

Ion Ratio Lower Upper

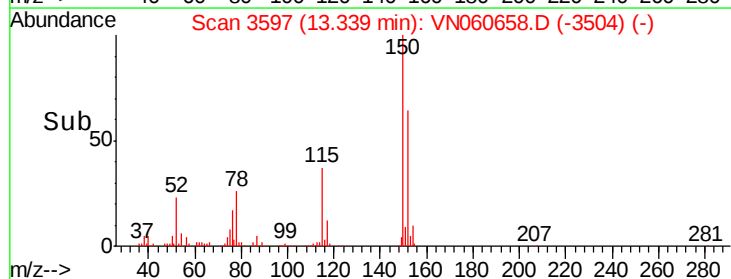
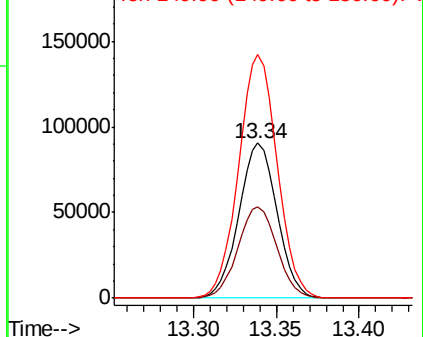
152 100

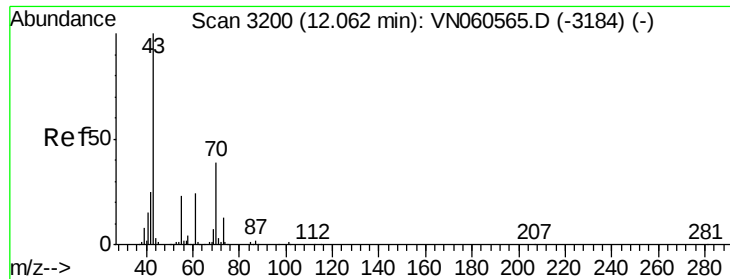
115 60.1 30.2 90.6

150 158.4 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: 0.510 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060658.D

Acq: 20 Mar 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 2570

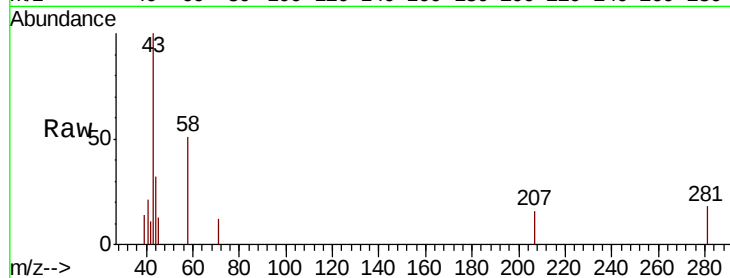
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

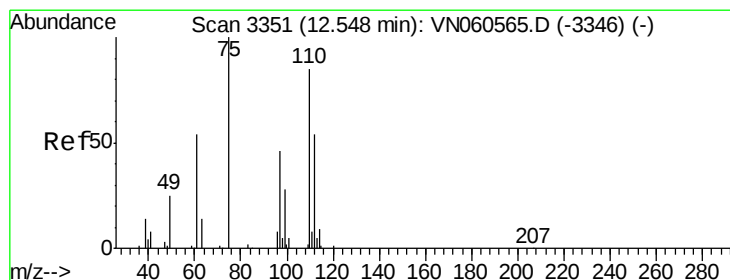
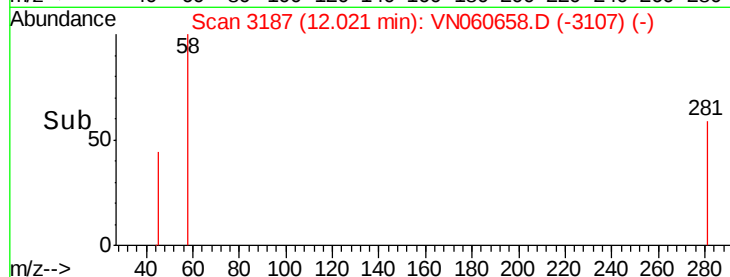
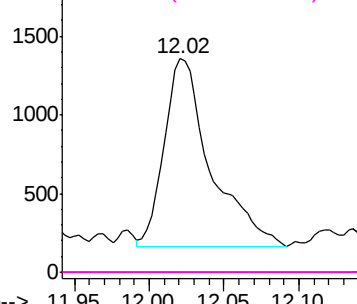


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 24.878 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060658.D

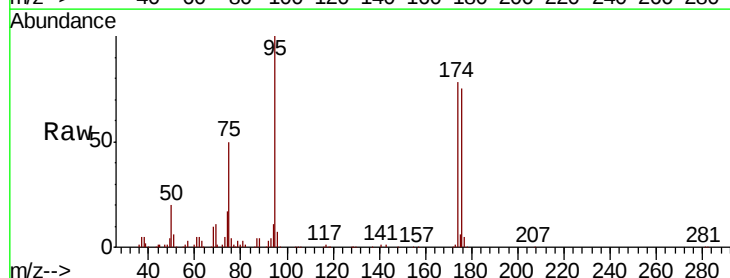
Acq: 20 Mar 2020 17:18

Tgt Ion: 75 Resp: 77999

Ion Ratio Lower Upper

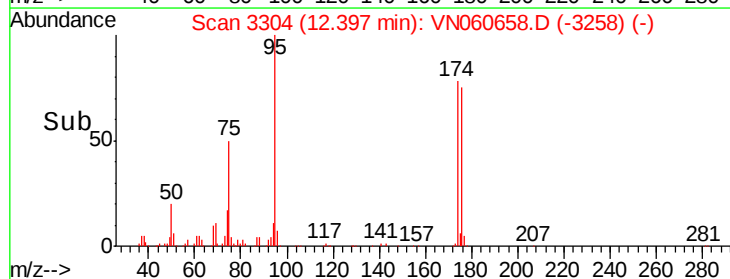
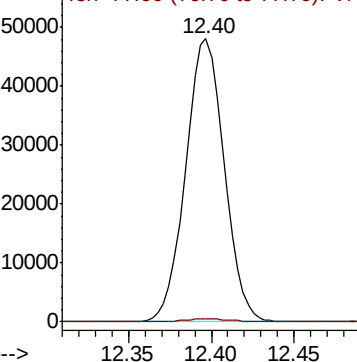
75 100

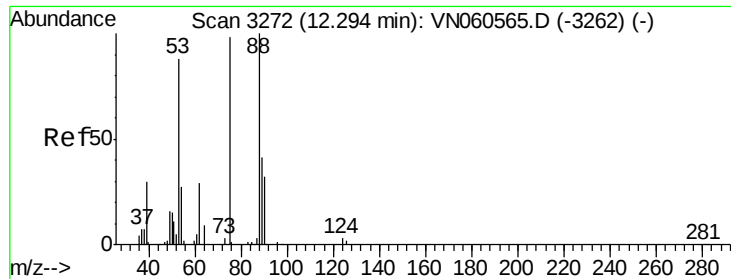
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 63.895 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060658.D

Acq: 20 Mar 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 77999

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

