

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032020\
 Data File : VN060654.D
 Acq On : 20 Mar 2020 15:48
 Operator : JC/MD
 Sample : PB127692ZHE#11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 20 23:25:20 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	187691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	312621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	295946	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138341	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	123895	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
35) Dibromofluoromethane	7.57	113	92503	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
50) Toluene-d8	10.08	98	384400	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.40	95	147788	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	

Target Compounds

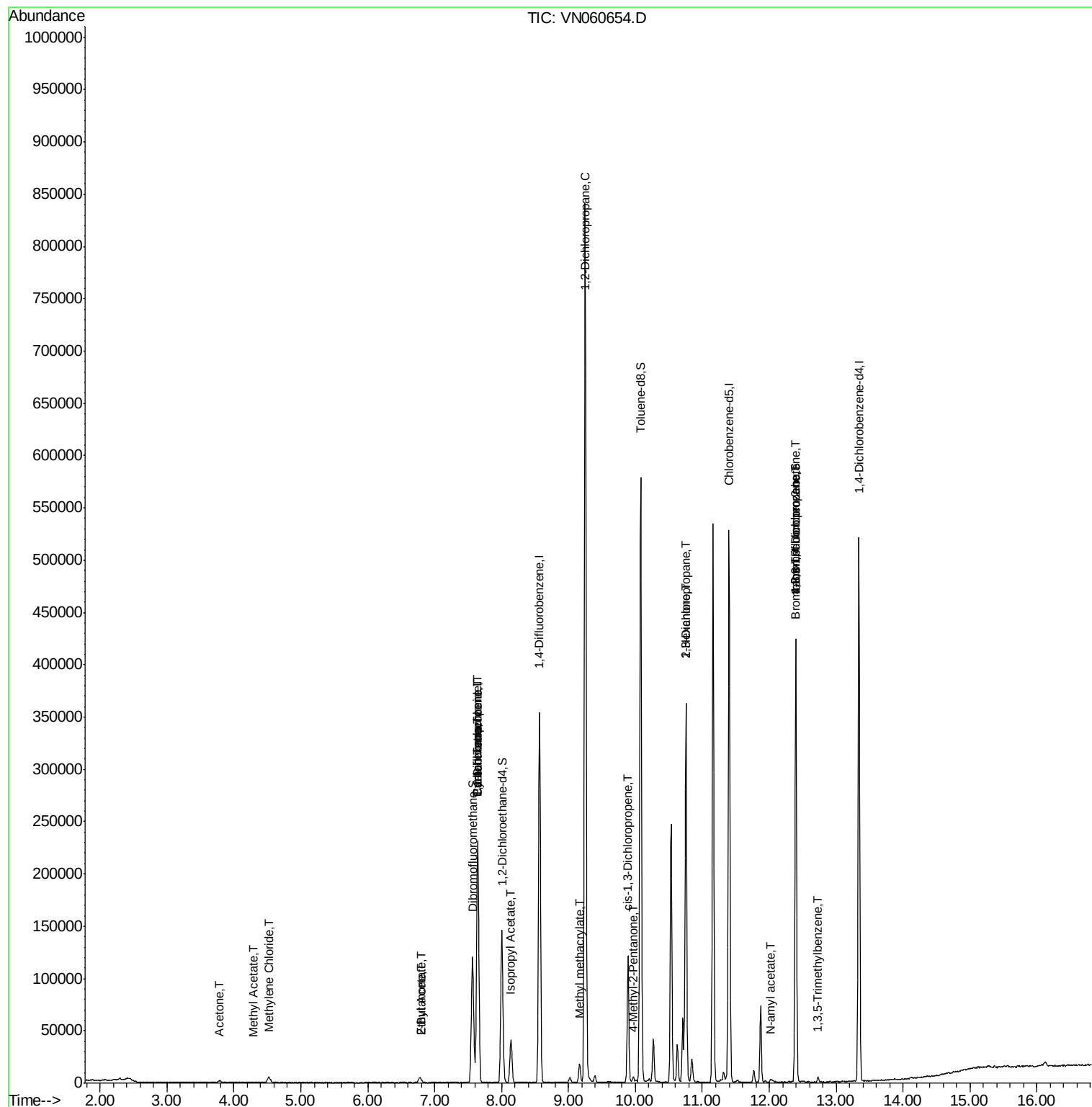
					Qvalue	
16) Acetone	3.79	43	4129	4.524	ug/l	97
18) Methyl Acetate	4.29	43	1643	0.640	ug/l #	54
20) Methylene Chloride	4.52	84	4506	2.007	ug/l	91
25) 2-Butanone	6.81	43	1283	0.869	ug/l #	50
31) Cyclohexane	7.64	56	3942	0.950	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14898	4.921	ug/l #	49
37) Ethyl Acetate	6.81	43	1283	0.392	ug/l #	70
38) Carbon Tetrachloride	7.64	117	17815	6.566	ug/l #	17
43) Isopropyl Acetate	8.14	43	50046	9.278	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	959	0.398	ug/l #	43
48) Methyl methacrylate	9.16	41	2698	1.123	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4140	1.349	ug/l #	82
54) cis-1,3-Dichloropropene	9.89	75	21734	5.694	ug/l #	61
57) 1,3-Dichloropropane	10.75	76	3473	0.943	ug/l #	42
59) 2-Hexanone	10.75	43	54692	24.734	ug/l #	52
71) Bromoform	12.38	173	106	1.739	ug/l #	29
74) N-amyl acetate	12.02	43	2640	0.550	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	74571	24.981	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2987	0.339	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	74571	64.159	ug/l #	13

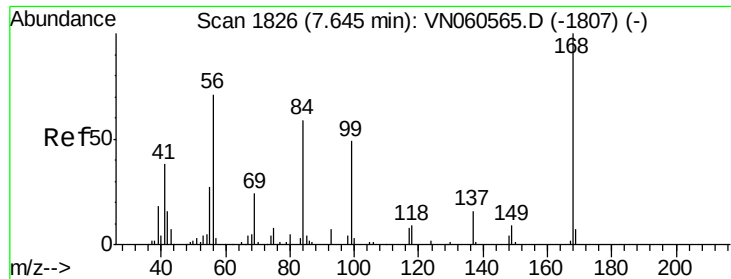
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
ClientSampled :

Quant Time: Mar 20 23:25:20 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
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# 1826

Delta R.T. -0.00 min

Lab File: VN060654.D

Acq: 20 Mar 2020 15:48

Instrument :

MSVOA_N

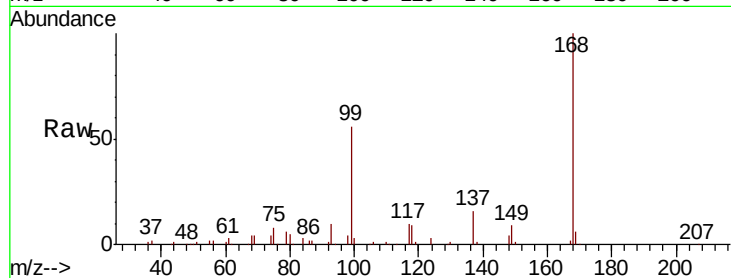
ClientSampleId :

Tot Ion:168 Resp: 187691

Ion Ratio Lower Upper

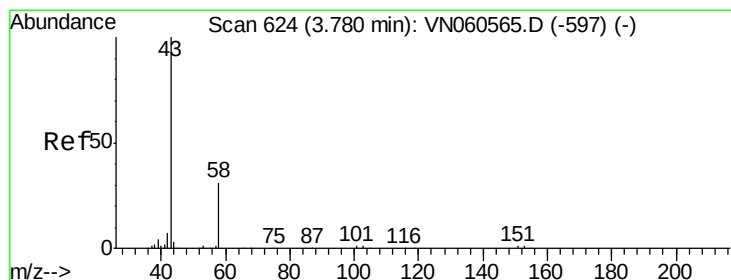
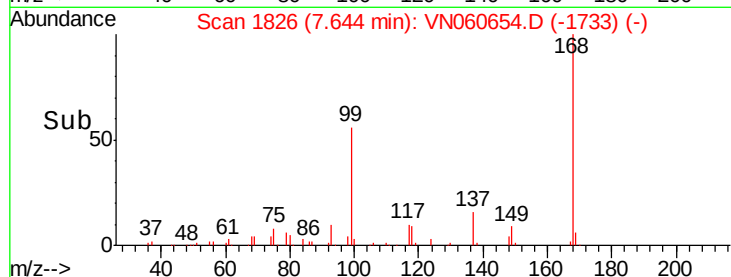
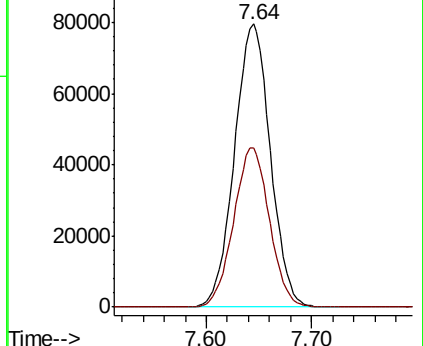
168 100

99 56.4 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 4.524 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060654.D

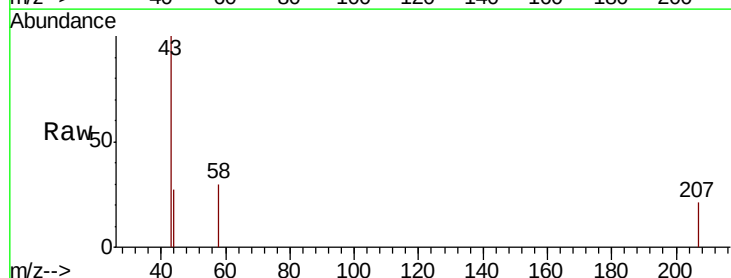
Acq: 20 Mar 2020 15:48

Tgt Ion: 43 Resp: 4129

Ion Ratio Lower Upper

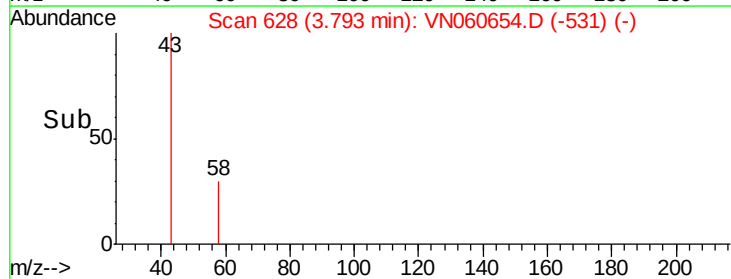
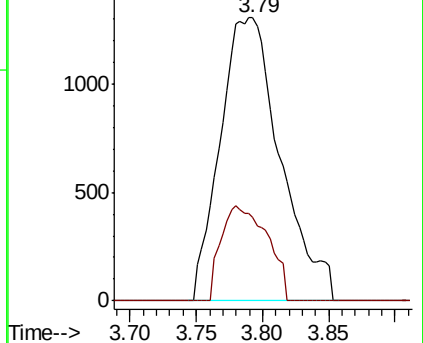
43 100

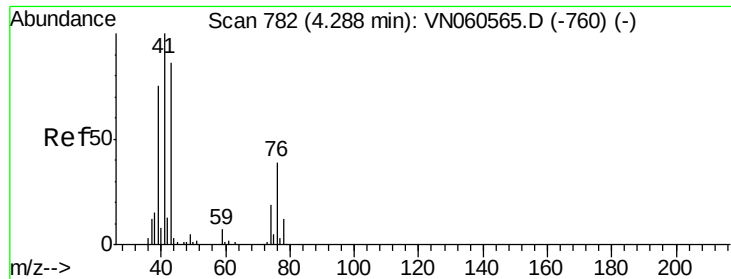
58 29.8 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

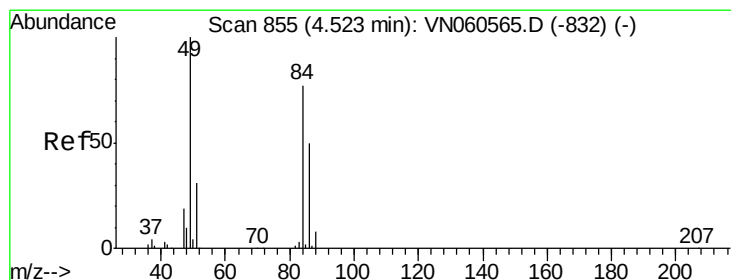
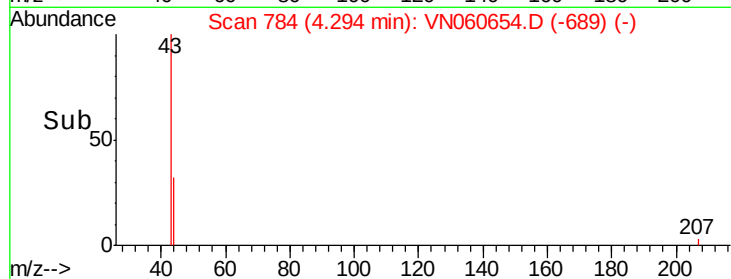
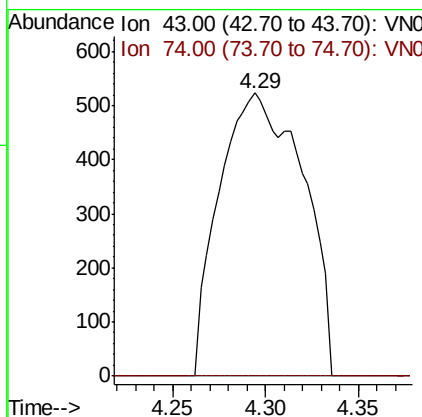
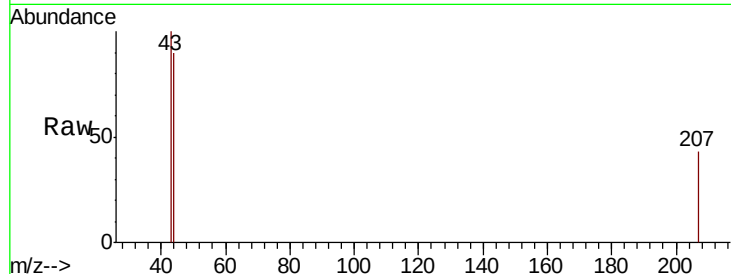




#18
Methyl Acetate
Concen: 0.640 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060654.D
Acq: 20 Mar 2020 15:48

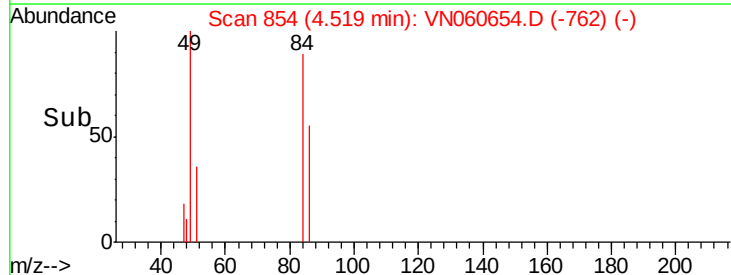
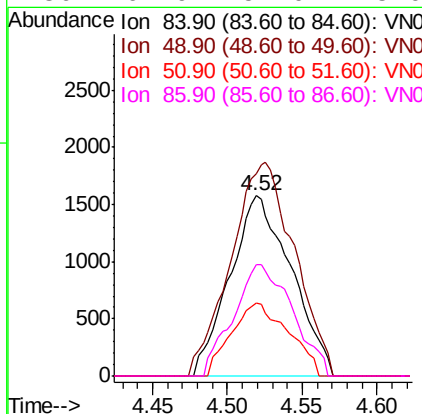
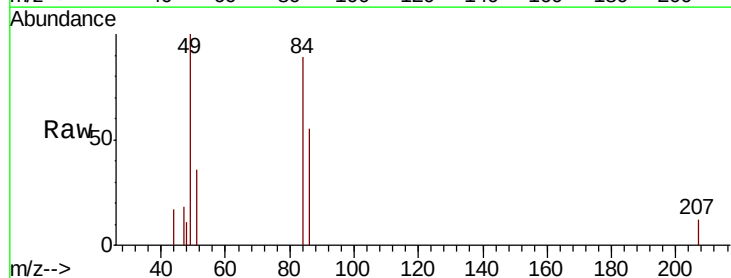
Instrument :
MSVOA_N
ClientSampleId :

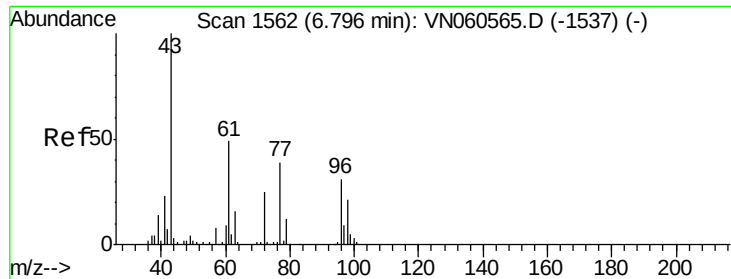
Tot Ion: 43 Resp: 1643
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 2.007 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060654.D
Acq: 20 Mar 2020 15:48

Tgt Ion: 84 Resp: 4506
Ion Ratio Lower Upper
84 100
49 112.3 103.3 154.9
51 40.9 31.6 47.4
86 61.9 52.0 78.0





#25

2-Butanone

Concen: 0.869 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VN060654.D

Acq: 20 Mar 2020 15:48

Instrument :

MSVOA_N

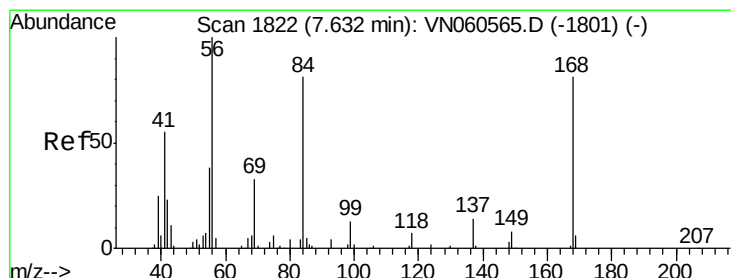
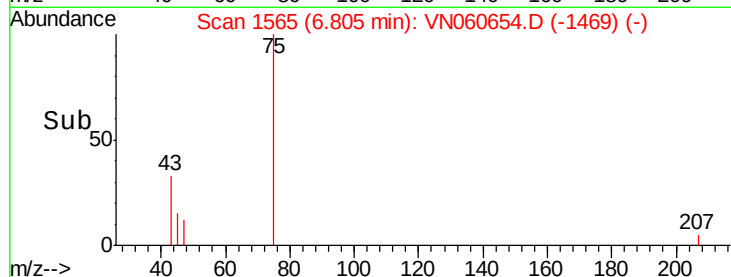
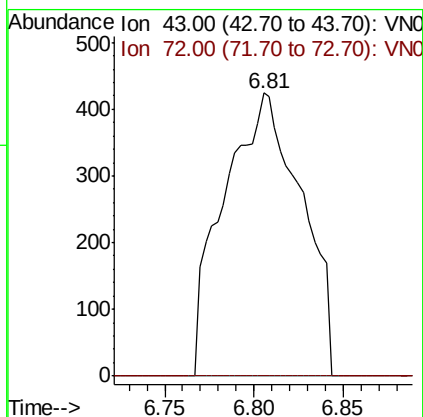
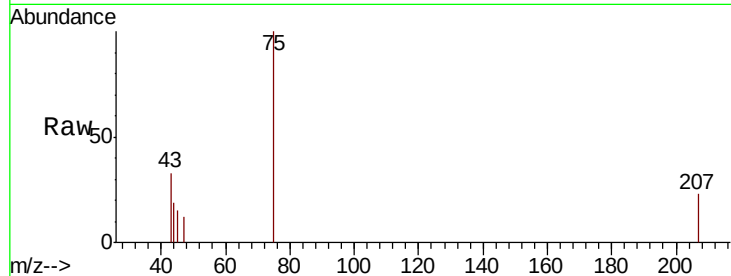
ClientSampled :

Tot Ion: 43 Resp: 1283

Ion Ratio Lower Upper

43 100

72 0.0 20.4 30.6#



#31

Cyclohexane

Concen: 0.950 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060654.D

Acq: 20 Mar 2020 15:48

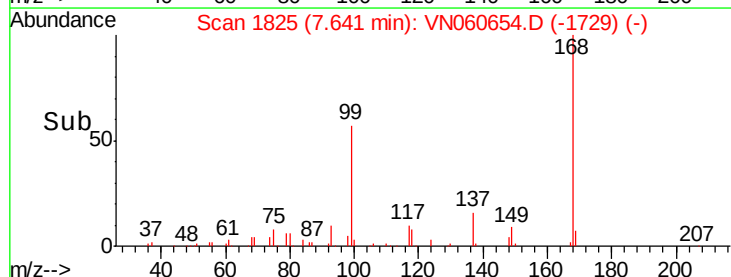
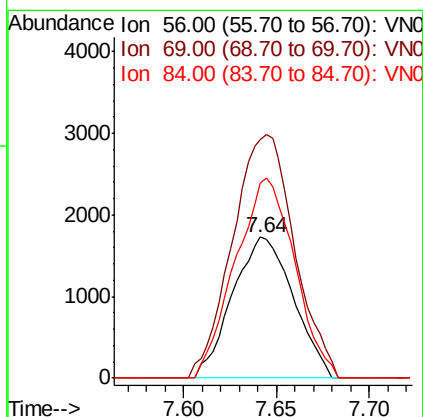
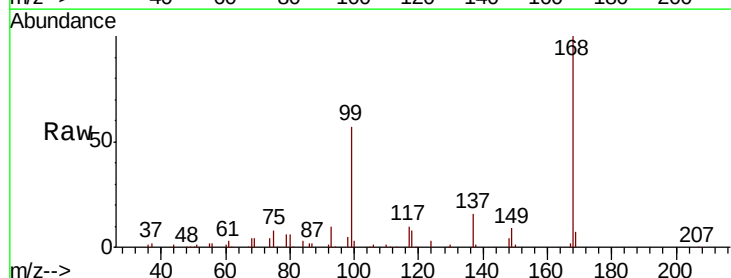
Tgt Ion: 56 Resp: 3942

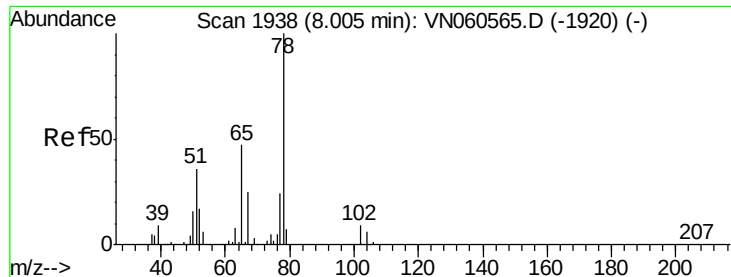
Ion Ratio Lower Upper

56 100

69 169.2 26.6 40.0#

84 137.9 64.3 96.5#

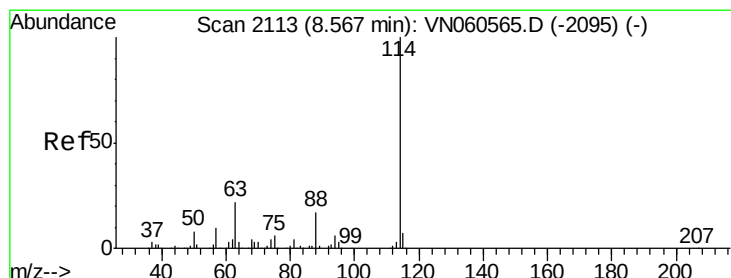
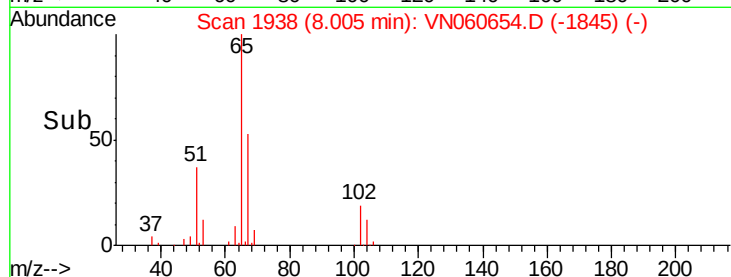
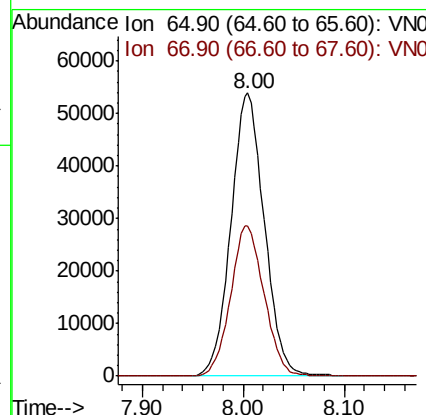
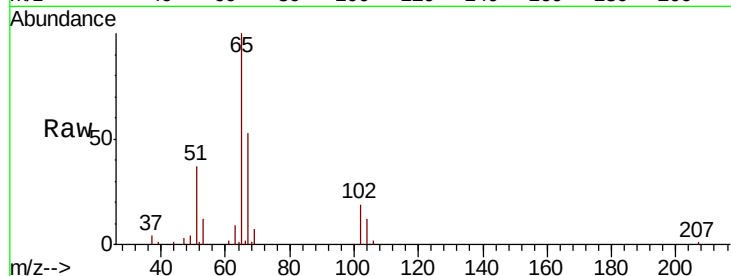




#33
 1,2-Dichloroethane-d4
 Concen: 48.085 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060654.D
 Acq: 20 Mar 2020 15:48

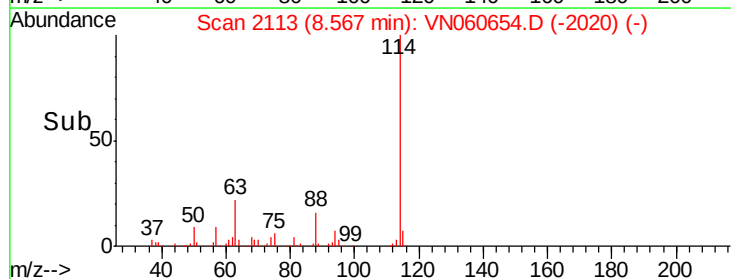
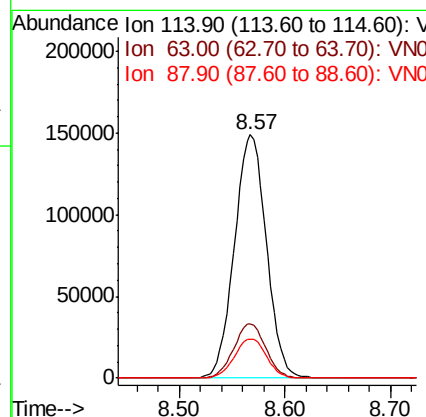
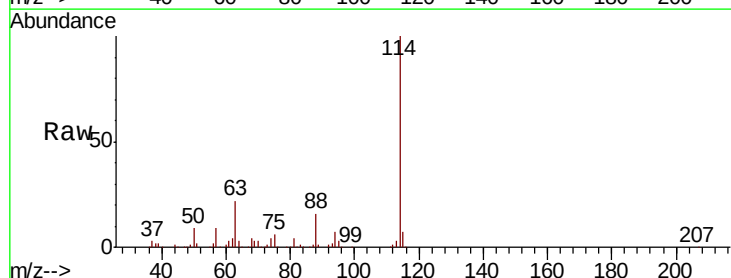
Instrument :
 MSVOA_N
 ClientSampled :

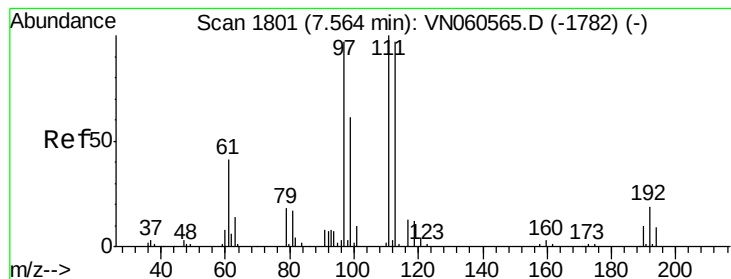
Tot Ion: 65 Resp: 123895
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060654.D
 Acq: 20 Mar 2020 15:48

Tgt Ion: 114 Resp: 312621
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.8
 88 16.0 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.935 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060654.D

Acq: 20 Mar 2020 15:48

Instrument :

MSVOA_N

ClientSampled :

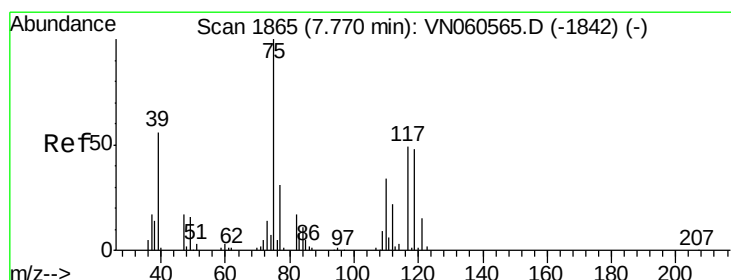
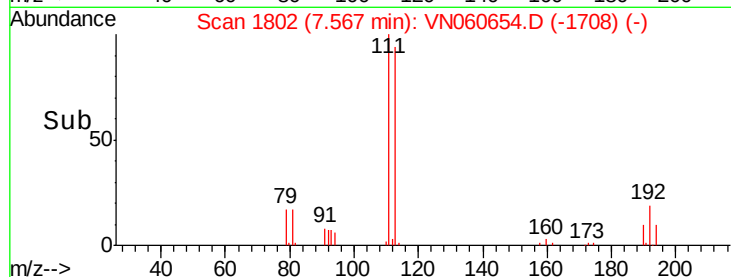
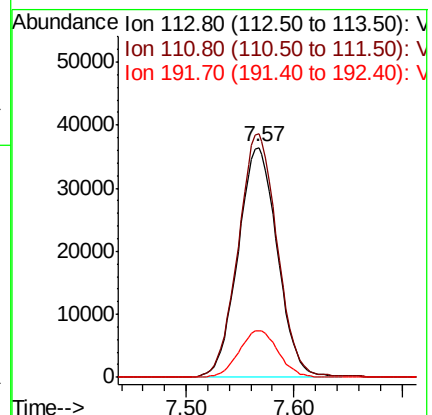
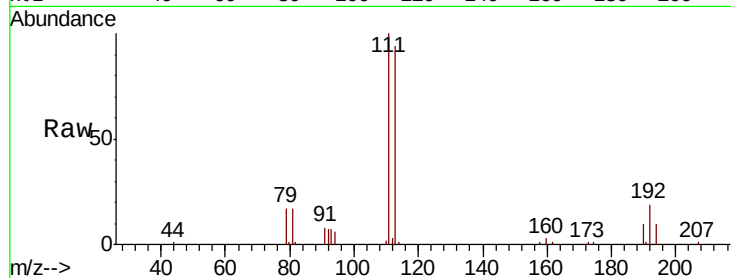
Tot Ion:113 Resp: 92503

Ion Ratio Lower Upper

113 100

111 105.1 82.9 124.3

192 20.2 15.8 23.8



#36

1,1-Dichloropropene

Concen: 4.921 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN060654.D

Acq: 20 Mar 2020 15:48

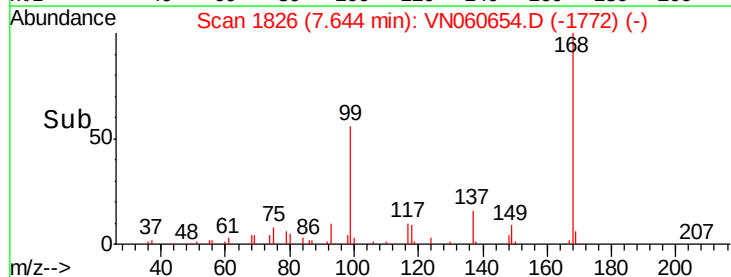
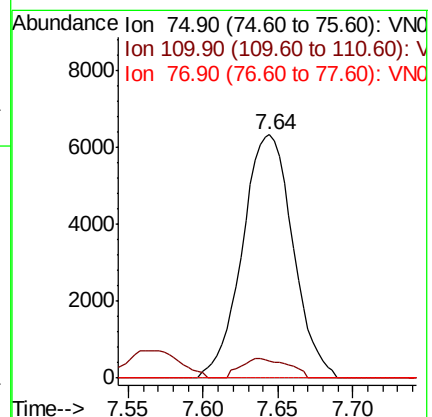
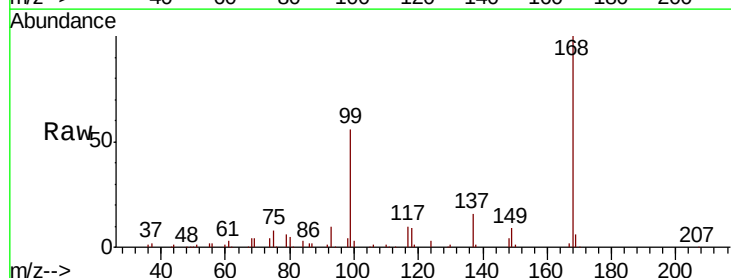
Tgt Ion: 75 Resp: 14898

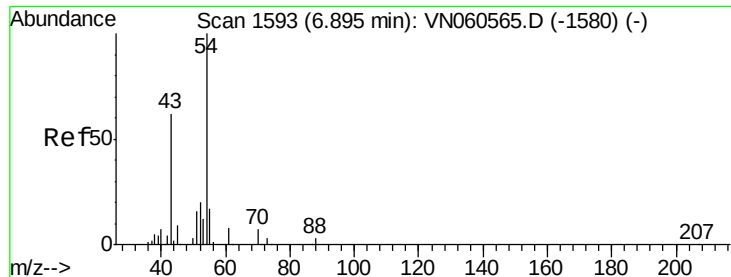
Ion Ratio Lower Upper

75 100

110 7.4 16.9 50.6#

77 0.0 24.6 36.8#

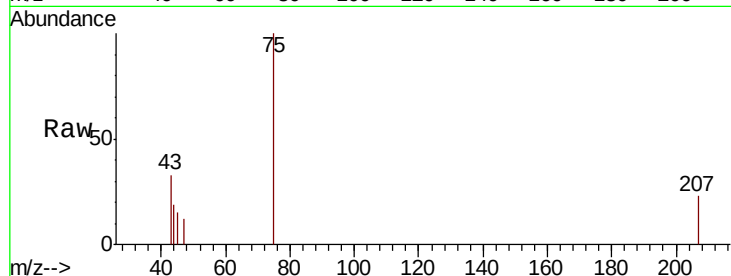




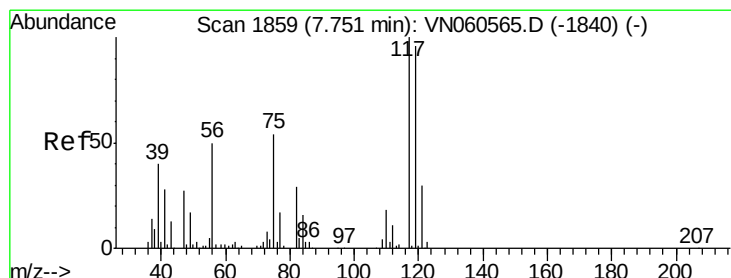
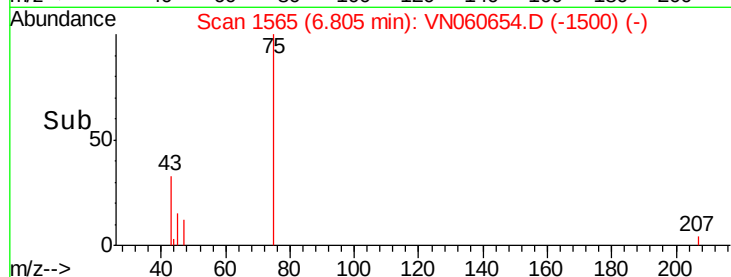
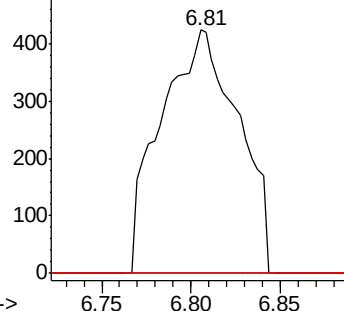
#37
Ethyl Acetate
Concen: 0.392 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.09 min
Lab File: VN060654.D
Acq: 20 Mar 2020 15:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1283
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.9 11.9#

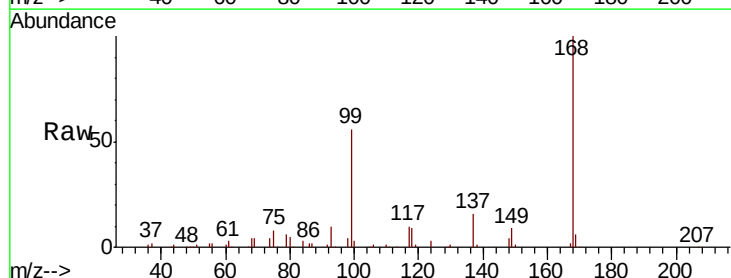


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

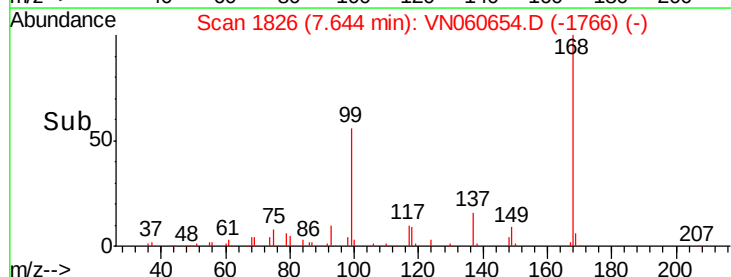
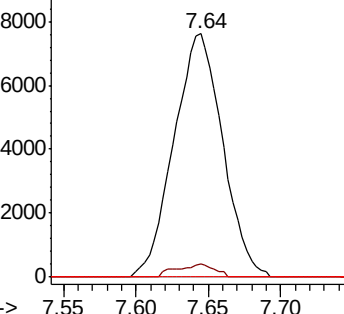


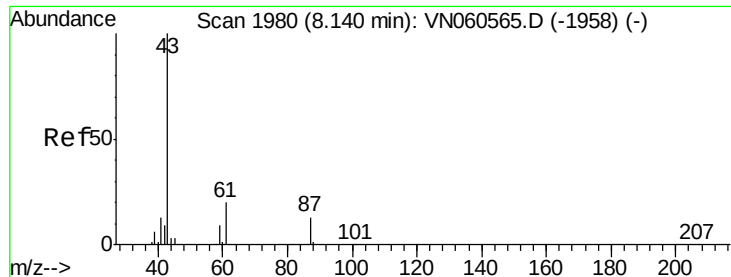
#38
Carbon Tetrachloride
Concen: 6.566 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060654.D
Acq: 20 Mar 2020 15:48

Tgt Ion: 117 Resp: 17815
Ion Ratio Lower Upper
117 100
119 5.6 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: 9.278 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060654.D

Acq: 20 Mar 2020 15:48

Instrument :

MSVOA_N

ClientSampleId :

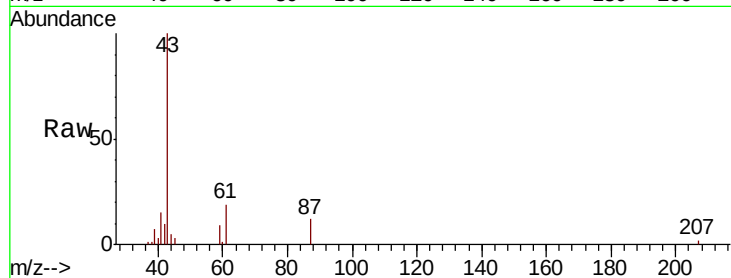
Tot Ion: 43 Resp: 50046

Ion Ratio Lower Upper

43 100

61 19.3 20.7 31.1#

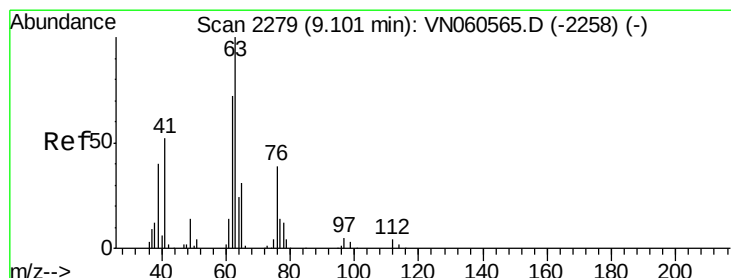
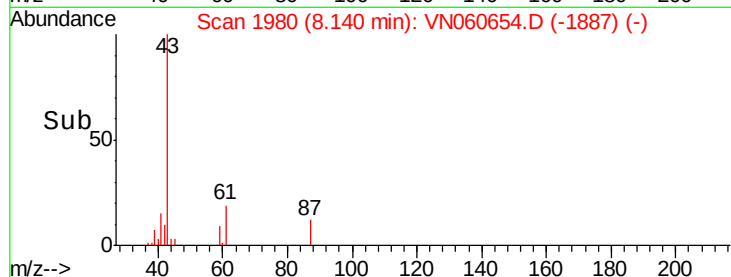
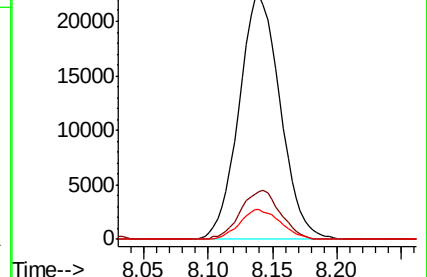
87 12.0 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-1958) (-)

Ion 61.00 (60.70 to 61.70): VN060565.D (-1958) (-)

Ion 87.00 (86.70 to 87.70): VN060565.D (-1958) (-)



#45

1,2-Dichloropropane

Concen: 0.398 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060654.D

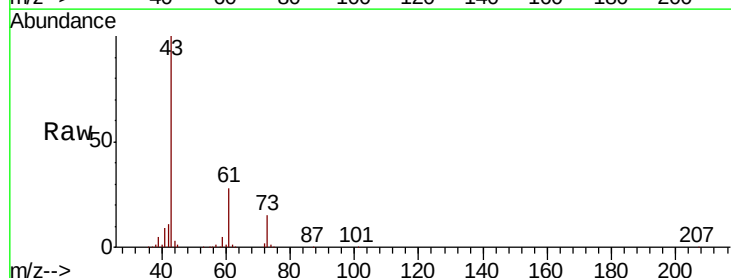
Acq: 20 Mar 2020 15:48

Tgt Ion: 63 Resp: 959

Ion Ratio Lower Upper

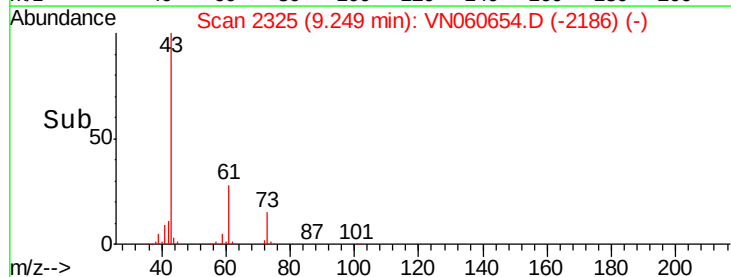
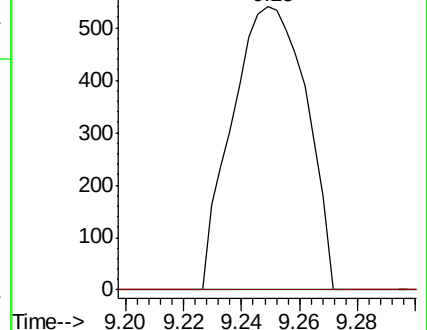
63 100

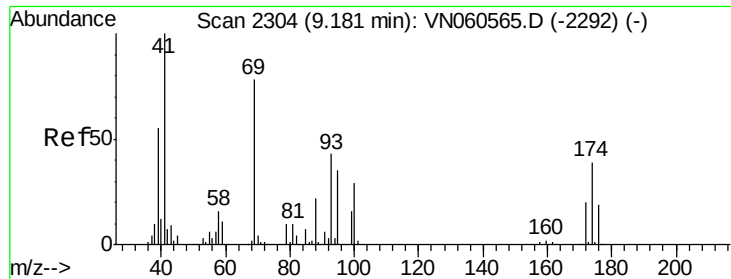
65 0.0 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VN060565.D (-2258) (-)

Ion 64.90 (64.60 to 65.60): VN060565.D (-2258) (-)

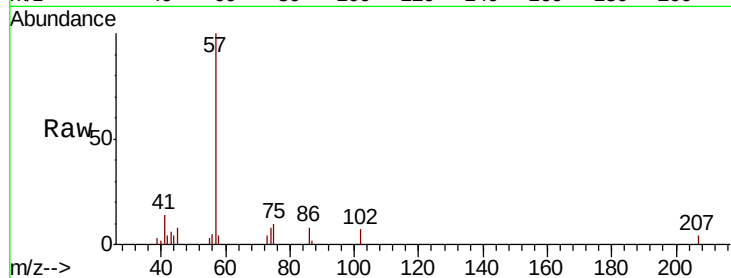




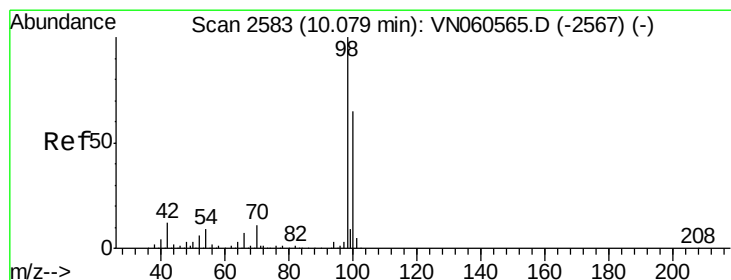
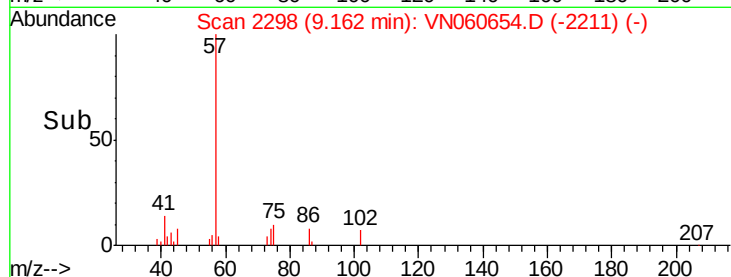
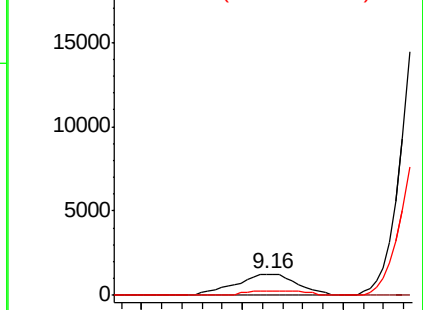
#48
Methvl methacrylate
Concen: 1.123 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN060654.D
Acq: 20 Mar 2020 15:48

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 2698
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#

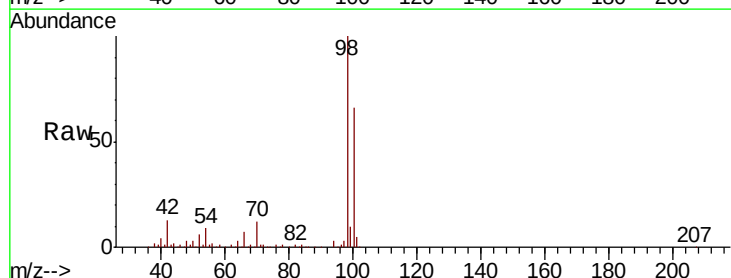


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

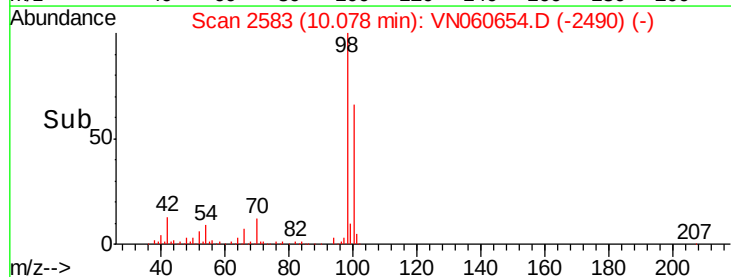
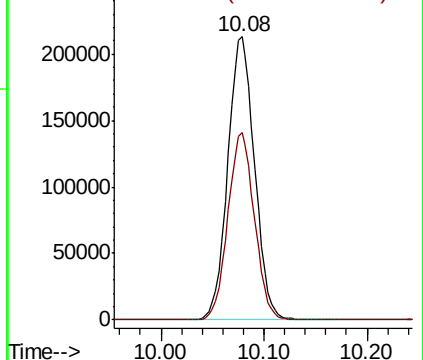


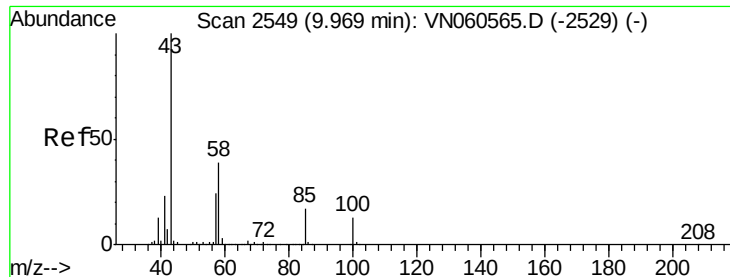
#50
Toluene-d8
Concen: 49.785 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060654.D
Acq: 20 Mar 2020 15:48

Tgt Ion: 98 Resp: 384400
Ion Ratio Lower Upper
98 100
100 65.6 51.8 77.8



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

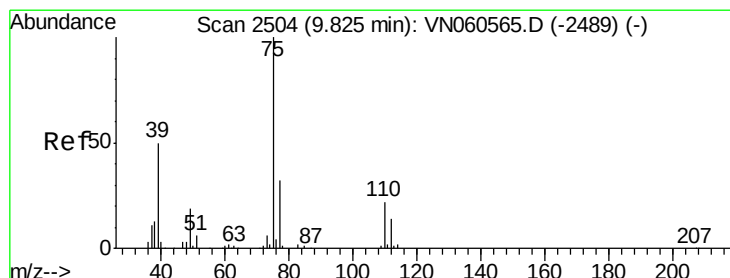
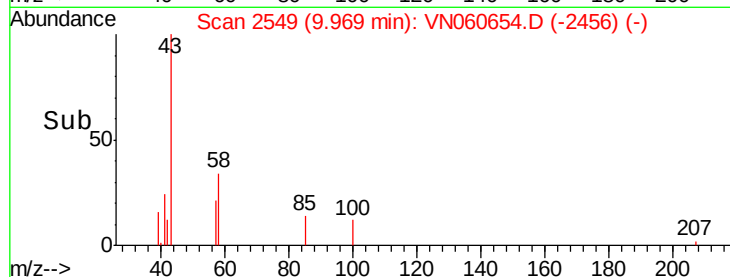
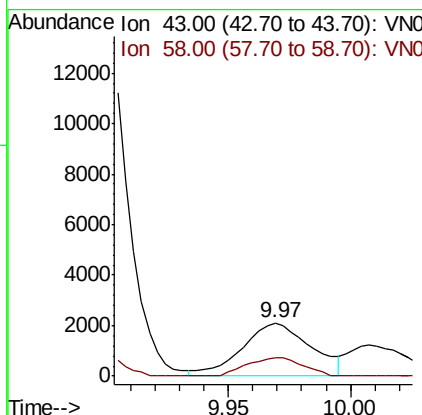
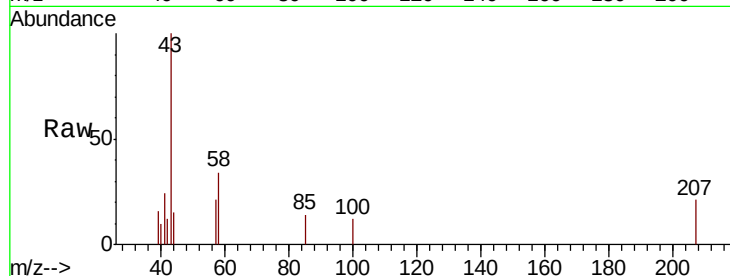




#51
 4-Methyl-2-Pentanone
 Concen: 1.349 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: VN060654.D
 Acq: 20 Mar 2020 15:48

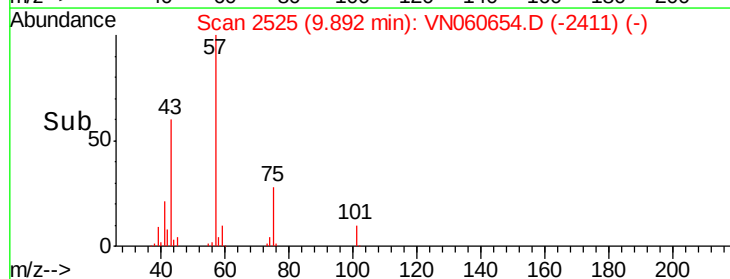
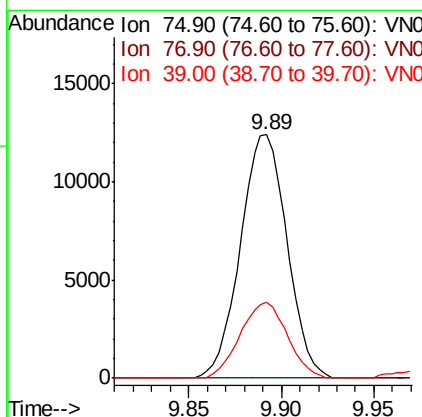
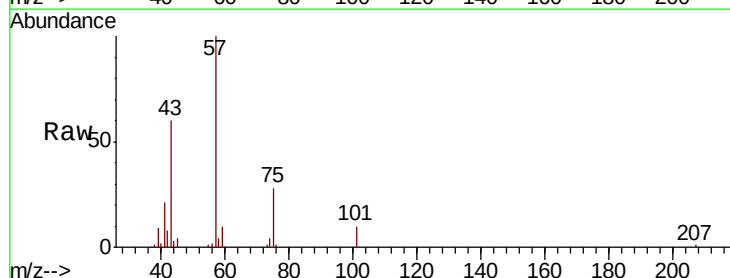
Instrument :
 MSVOA_N
 ClientSampled :

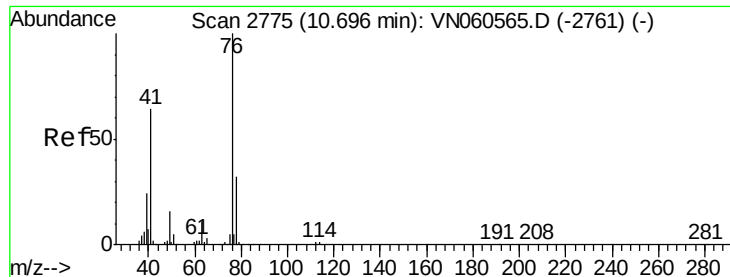
Tot Ion: 43 Resp: 4140
 Ion Ratio Lower Upper
 43 100
 58 27.7 30.8 46.2#



#54
 cis-1,3-Dichloropropene
 Concen: 5.694 ug/l
 RT: 9.89 min Scan# 2525
 Delta R.T. 0.07 min
 Lab File: VN060654.D
 Acq: 20 Mar 2020 15:48

Tgt Ion: 75 Resp: 21734
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 30.9 40.2 60.4#

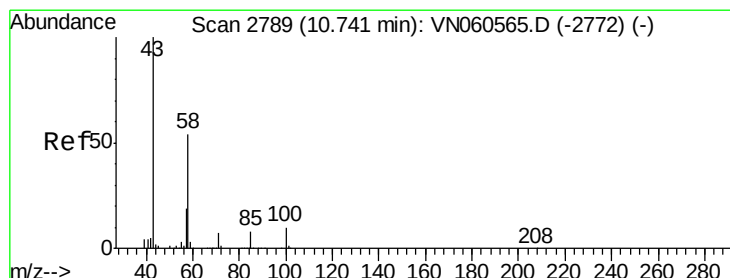
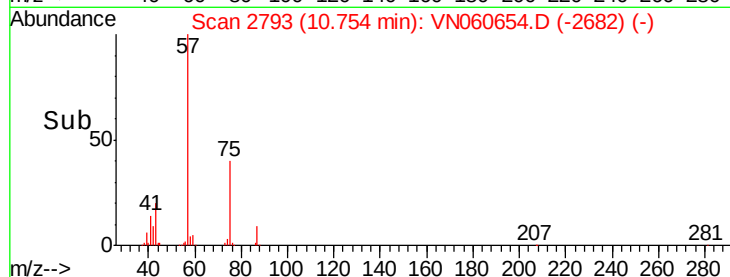
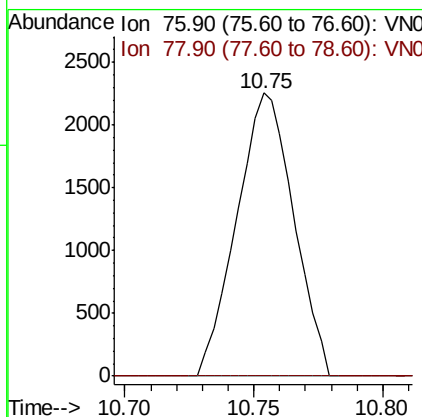
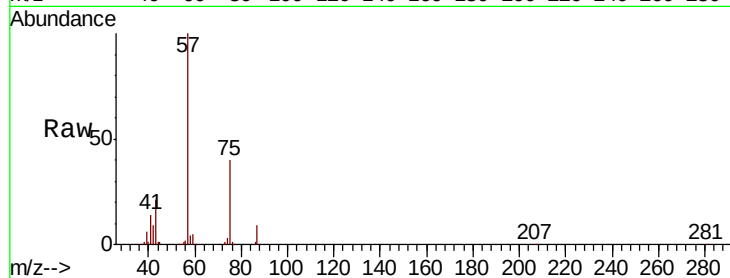




#57
 1,3-Dichloropropane
 Concen: 0.943 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060654.D
 Acq: 20 Mar 2020 15:48

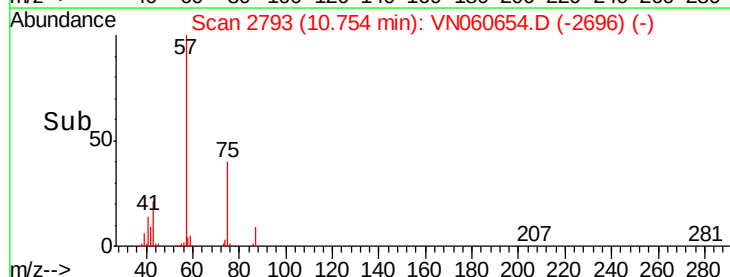
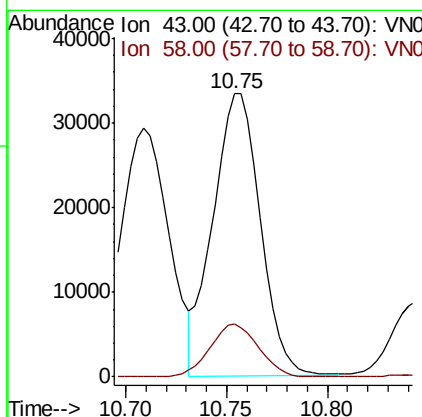
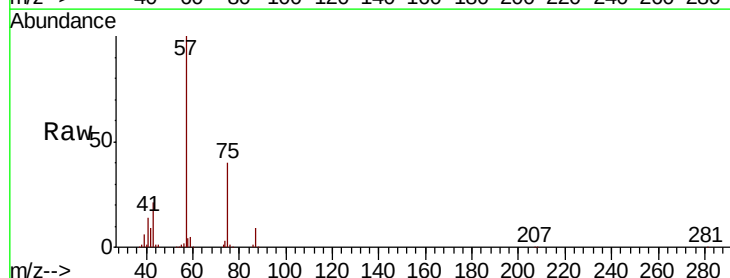
Instrument :
 MSVOA_N
 ClientSampled :

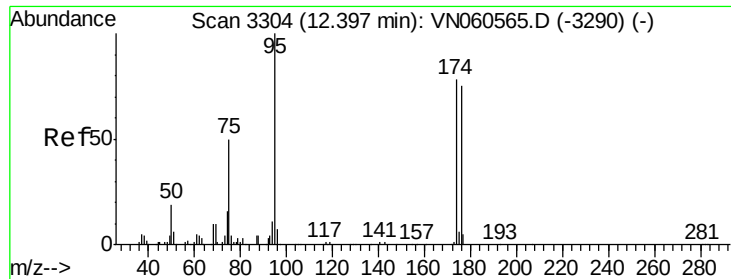
Tot Ion: 76 Resp: 3473
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#



#59
 2-Hexanone
 Concen: 24.734 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060654.D
 Acq: 20 Mar 2020 15:48

Tgt Ion: 43 Resp: 54692
 Ion Ratio Lower Upper
 43 100
 58 19.0 26.7 80.1#

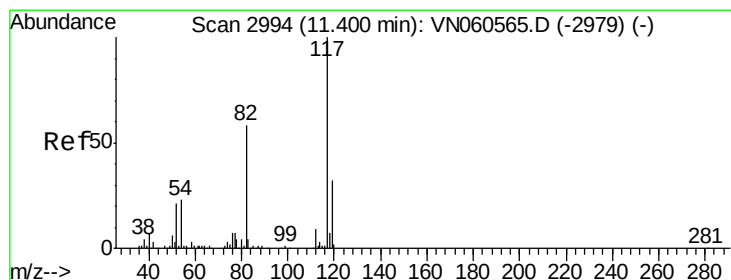
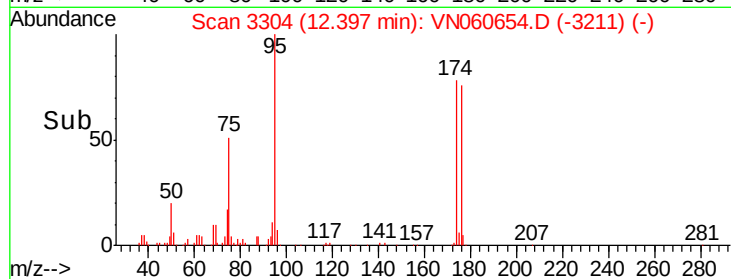
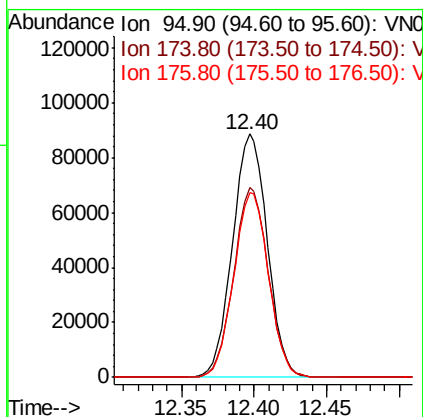
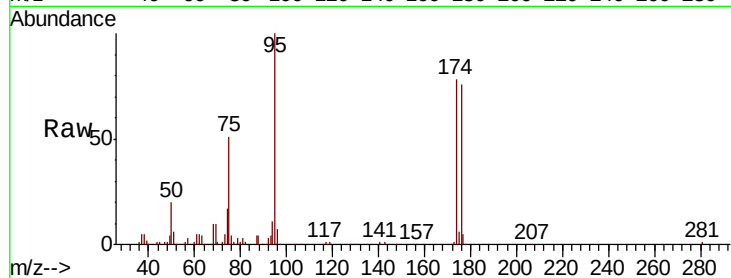




#62
4-Bromofluorobenzene
Concen: 52.227 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060654.D
Acq: 20 Mar 2020 15:48

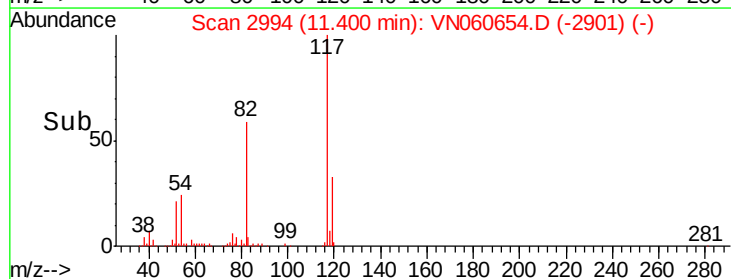
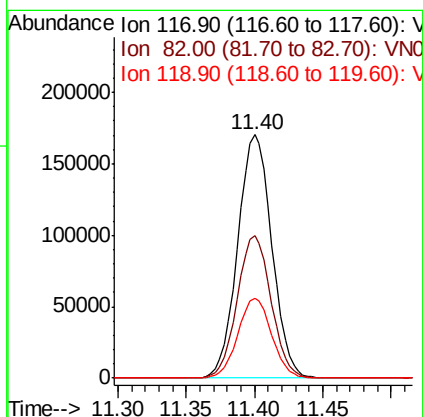
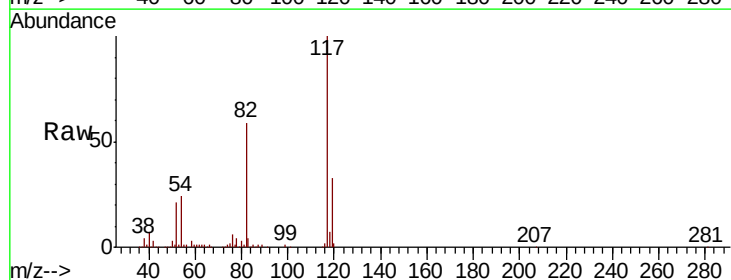
Instrument :
MSVOA_N
ClientSampleId :

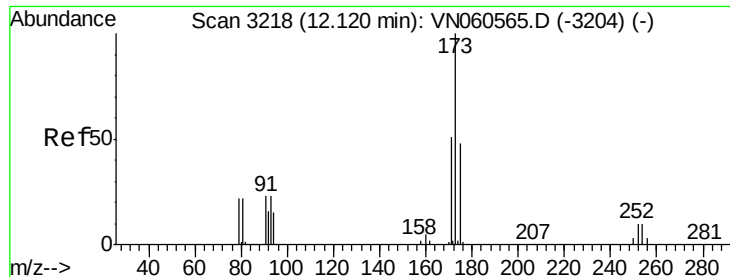
Tot Ion: 95 Resp: 147788
Ion Ratio Lower Upper
95 100
174 77.2 0.0 157.6
176 75.6 0.0 150.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060654.D
Acq: 20 Mar 2020 15:48

Tgt Ion: 117 Resp: 295946
Ion Ratio Lower Upper
117 100
82 58.6 46.7 70.1
119 32.8 25.5 38.3





#71

Bromoform

Concen: 1.739 ug/l

RT: 12.38 min Scan# 3300

Delta R.T. 0.26 min

Lab File: VN060654.D

Acq: 20 Mar 2020 15:48

Instrument :

MSVOA_N

ClientSampleId :

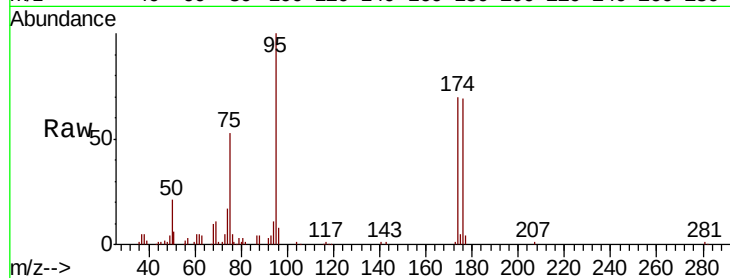
Tot Ion:173 Resp: 106

Ion Ratio Lower Upper

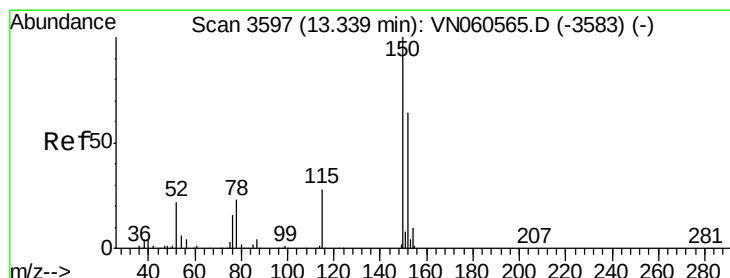
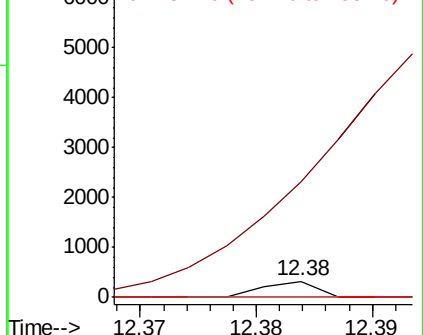
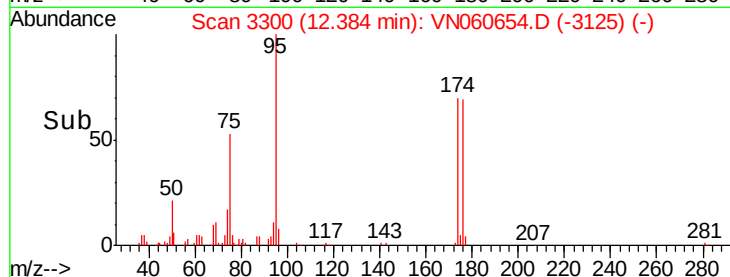
173 100

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: VN060654.D

Acq: 20 Mar 2020 15:48

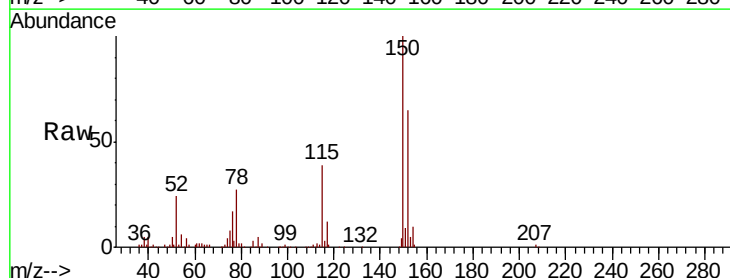
Tgt Ion:152 Resp: 138341

Ion Ratio Lower Upper

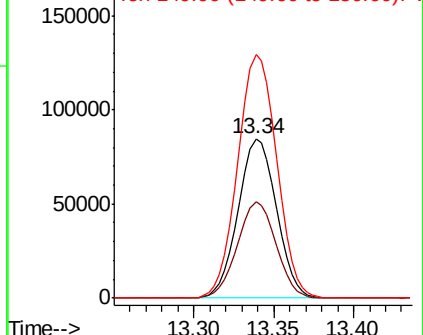
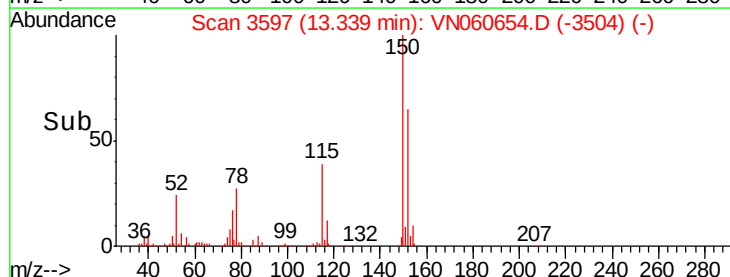
152 100

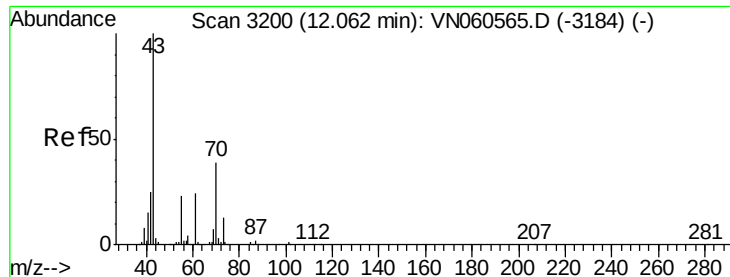
115 60.7 30.2 90.6

150 155.7 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

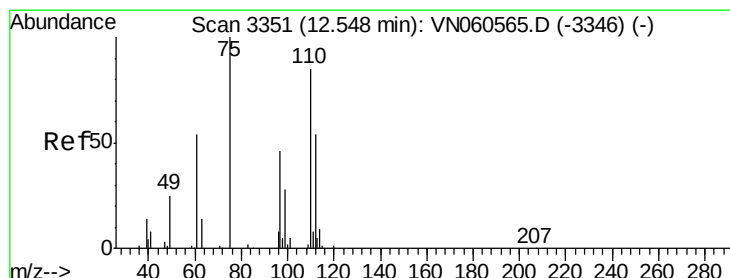
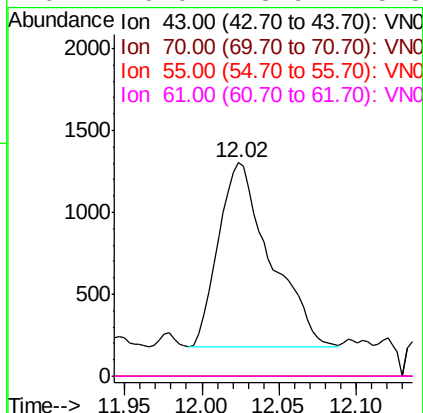
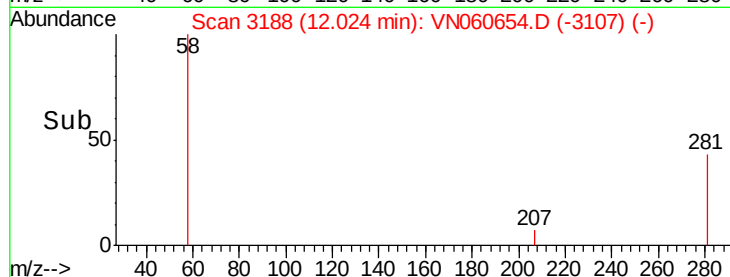
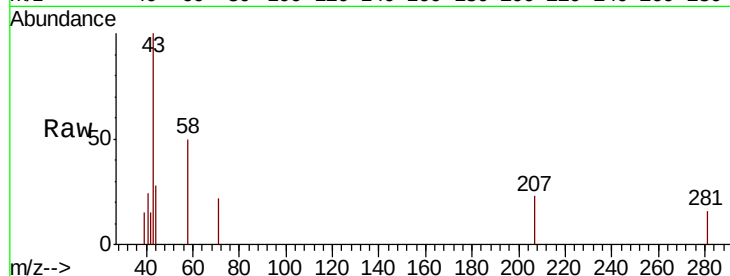




#74
N-amvl acetate
Concen: 0.550 ug/l
RT: 12.02 min Scan# 3188
Delta R.T. -0.04 min
Lab File: VN060654.D
Acq: 20 Mar 2020 15:48

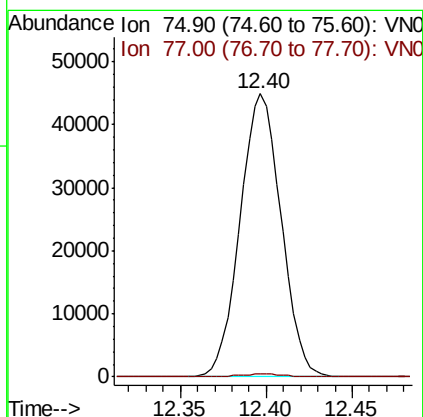
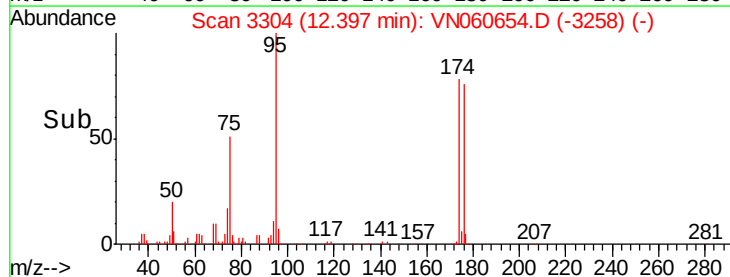
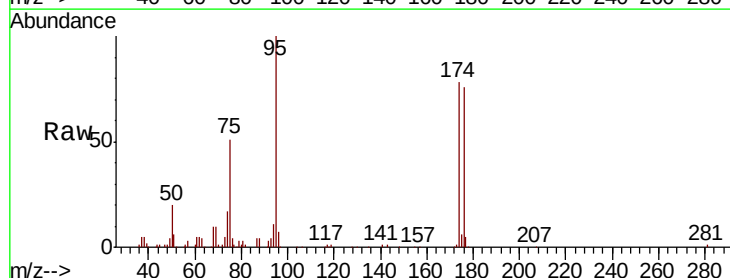
Instrument :
MSVOA_N
ClientSampleId :

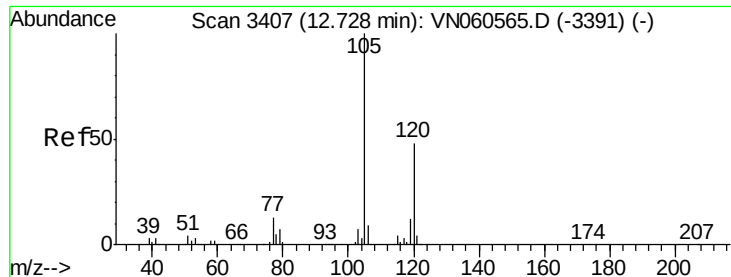
Tot Ion: 43 Resp: 2640
Ion Ratio Lower Upper
43 100
70 0.0 31.1 46.7#
55 0.0 18.6 27.8#
61 0.0 18.9 28.3#



#76
1,2,3-Trichloropropane
Concen: 24.981 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060654.D
Acq: 20 Mar 2020 15:48

Tgt Ion: 75 Resp: 74571
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

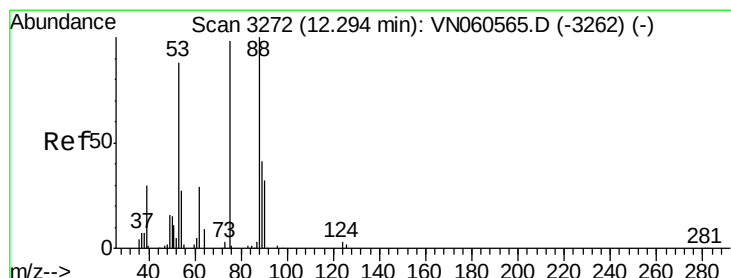
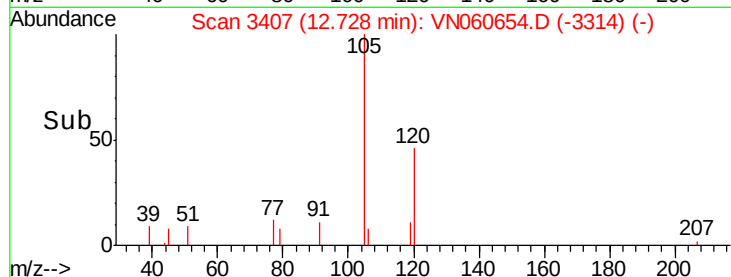
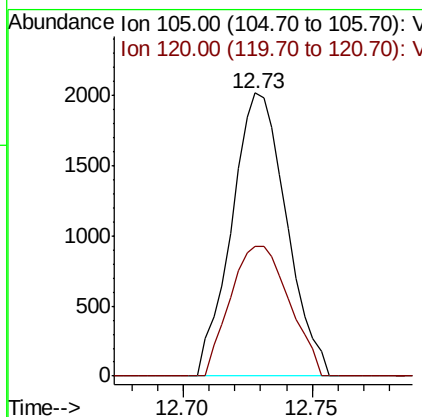
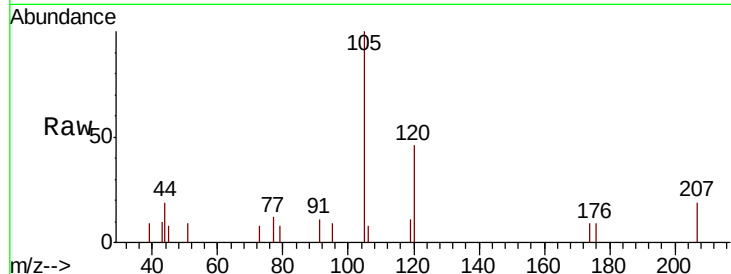




#80
 1,3,5-Trimethylbenzene
 Concen: 0.339 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN060654.D
 Acq: 20 Mar 2020 15:48

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:105 Resp: 2987
 Ion Ratio Lower Upper
 105 100
 120 49.4 23.9 71.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.159 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060654.D
 Acq: 20 Mar 2020 15:48

Tgt Ion: 75 Resp: 74571
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.4#
 89 0.0 34.8 52.2#

