

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032420\
 Data File : VN060672.D
 Acq On : 24 Mar 2020 15:14
 Operator : JC/MD
 Sample : PB127757TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 25 03:52:34 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	192906	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	321900	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	306340	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140544	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	126272	47.68	ug/l	0.00
Spiked Amount						
			Recovery	=	95.36%	
35) Dibromofluoromethane	7.57	113	96236	49.44	ug/l	0.00
Spiked Amount						
			Recovery	=	98.88%	
50) Toluene-d8	10.08	98	399897	50.30	ug/l	0.00
Spiked Amount						
			Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.40	95	150890	51.79	ug/l	0.00
Spiked Amount						
			Recovery	=	103.58%	

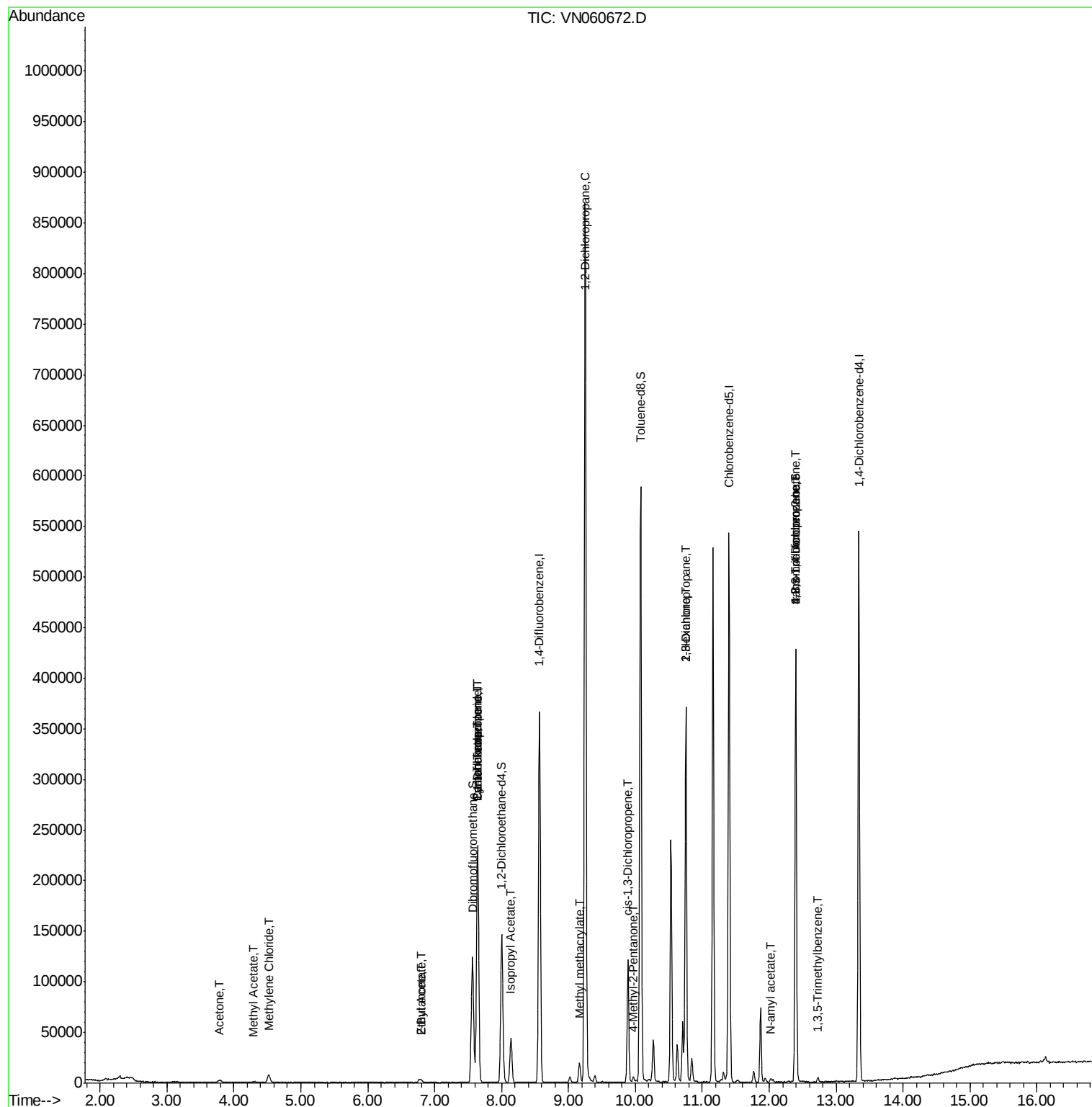
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	5039	5.372	ug/l	96
18) Methyl Acetate	4.29	43	1750	0.663	ug/l #	66
20) Methylene Chloride	4.52	84	6124	2.654	ug/l	93
25) 2-Butanone	6.80	43	2774	1.828	ug/l #	87
31) Cyclohexane	7.64	56	4065	0.953	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15260	4.896	ug/l #	50
37) Ethyl Acetate	6.80	43	2774	0.824	ug/l #	70
38) Carbon Tetrachloride	7.64	117	18070	6.468	ug/l #	17
43) Isopropyl Acetate	8.14	43	52315	9.419	ug/l #	92
45) 1,2-Dichloropropane	9.25	63	980	0.395	ug/l #	43
48) Methyl methacrylate	9.16	41	3040	1.229	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	3890	1.231	ug/l	91
54) cis-1,3-Dichloropropene	9.89	75	20819	5.297	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	3485	0.919	ug/l #	42
59) 2-Hexanone	10.75	43	55284	24.281	ug/l #	52
74) N-amyl acetate	12.02	43	2590	0.531	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	77073	25.414	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2913	0.325	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	77073	65.272	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.35	75	65	Below Cal	#	3

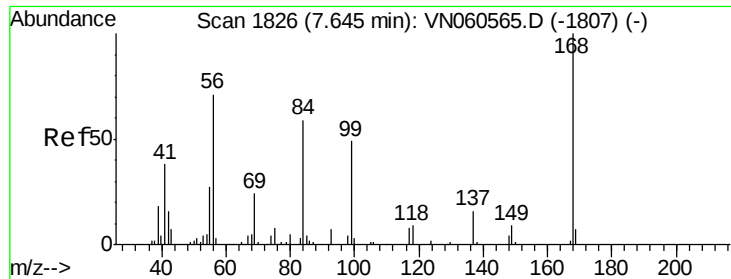
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060672.D

Acq: 24 Mar 2020 15:14

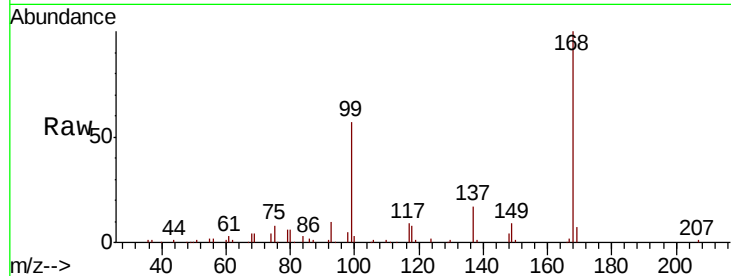
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 192906

Ion Ratio Lower Upper

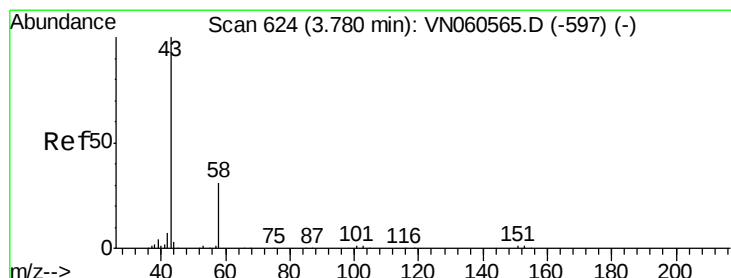
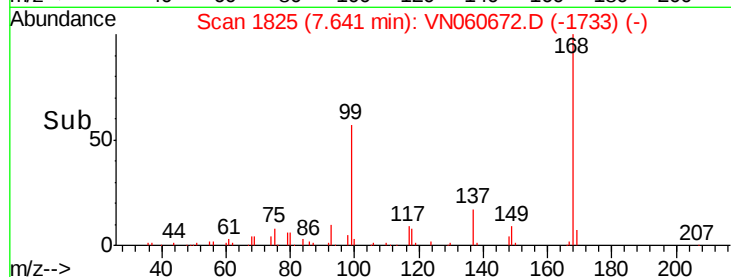
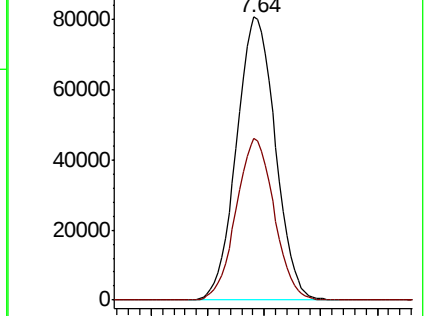
168 100

99 57.0 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: 5.372 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060672.D

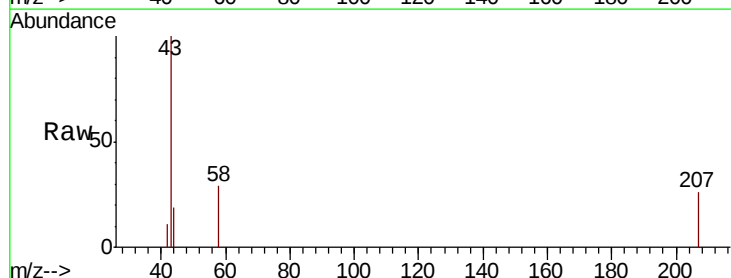
Acq: 24 Mar 2020 15:14

Tgt Ion: 43 Resp: 5039

Ion Ratio Lower Upper

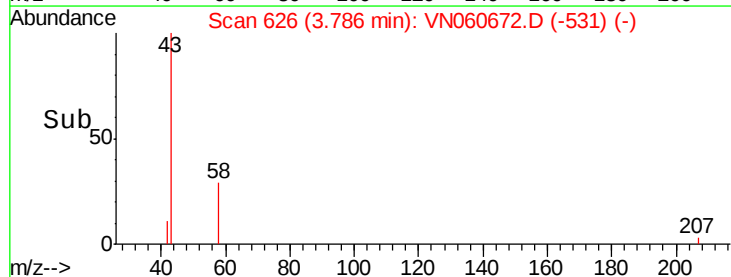
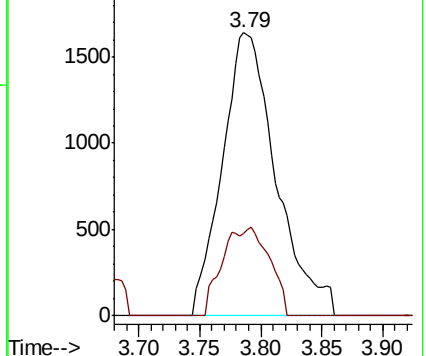
43 100

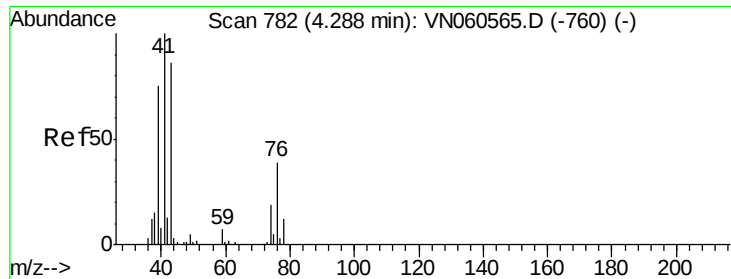
58 28.9 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

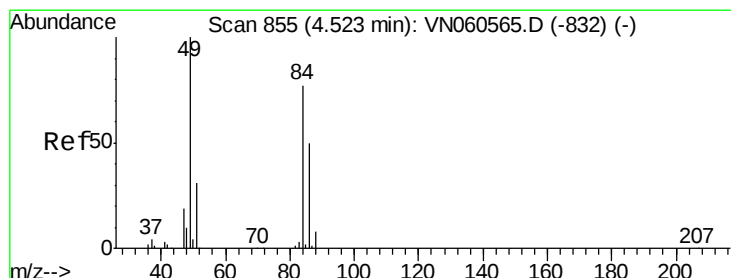
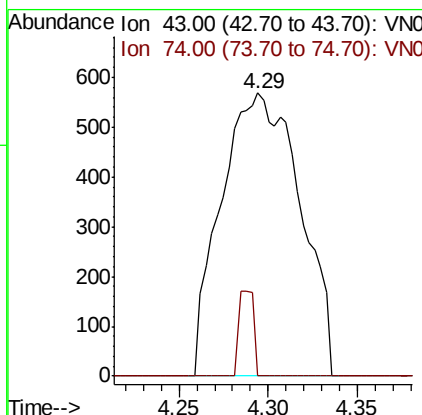
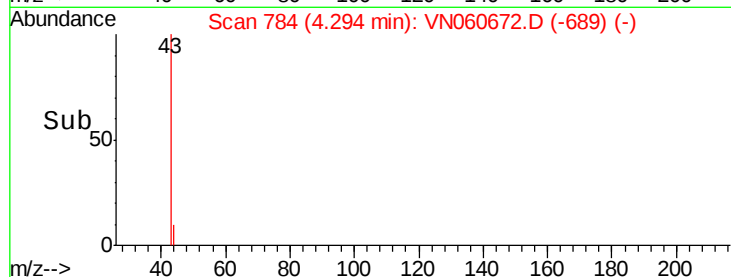
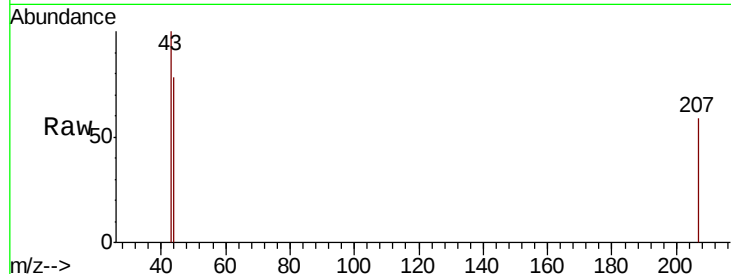




#18
Methyl Acetate
Concen: 0.663 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060672.D
Acq: 24 Mar 2020 15:14

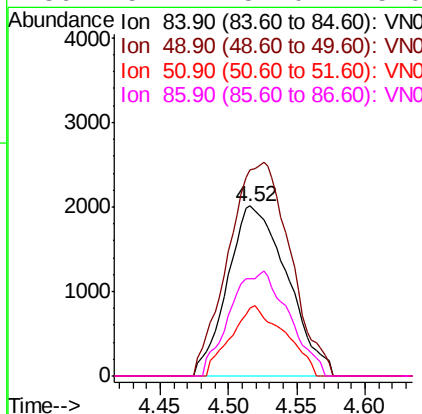
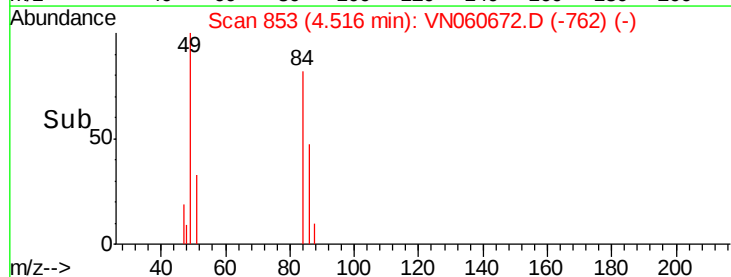
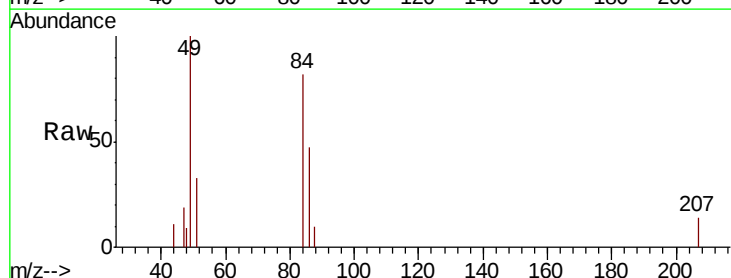
Instrument :
MSVOA_N
ClientSampleId :

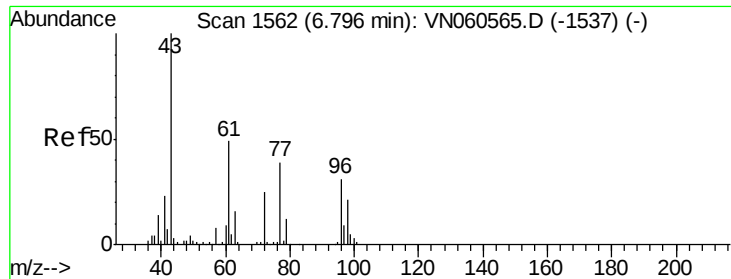
Tot Ion: 43 Resp: 1750
Ion Ratio Lower Upper
43 100
74 5.6 17.5 26.3#



#20
Methylene Chloride
Concen: 2.654 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060672.D
Acq: 24 Mar 2020 15:14

Tgt Ion: 84 Resp: 6124
Ion Ratio Lower Upper
84 100
49 121.4 103.3 154.9
51 39.9 31.6 47.4
86 57.2 52.0 78.0

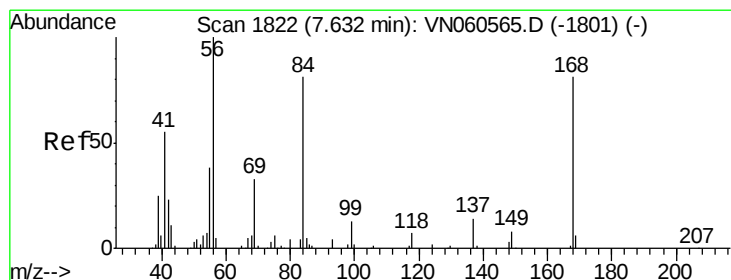
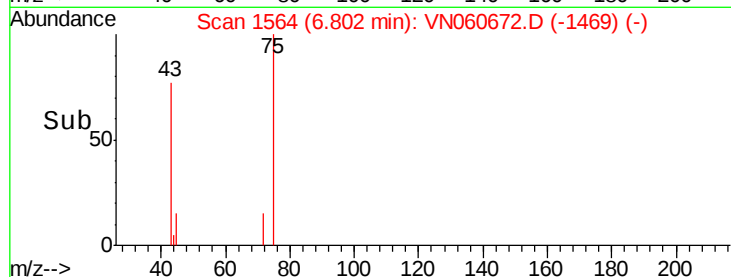
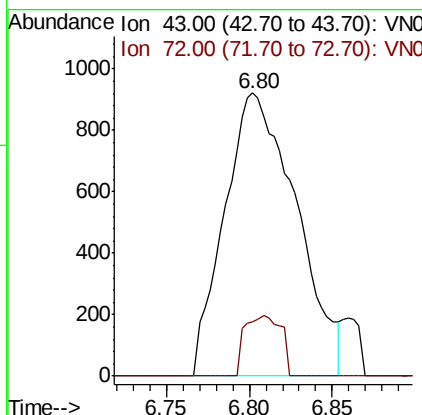
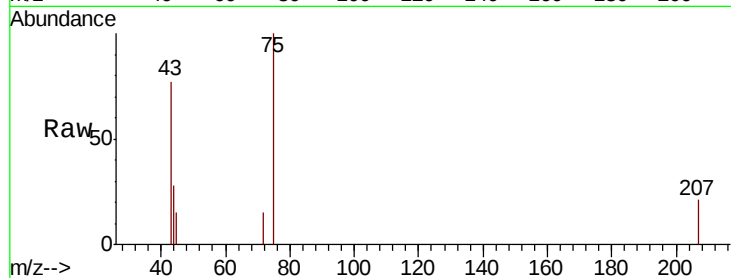




#25
2-Butanone
Concen: 1.828 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VN060672.D
Acq: 24 Mar 2020 15:14

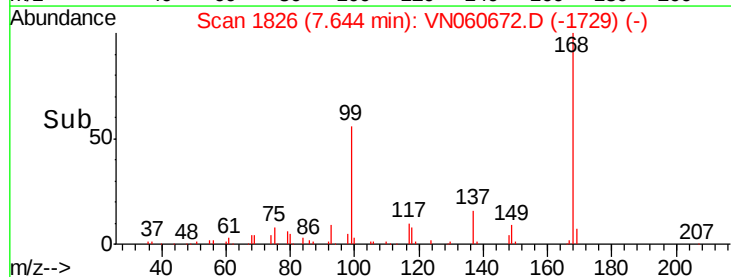
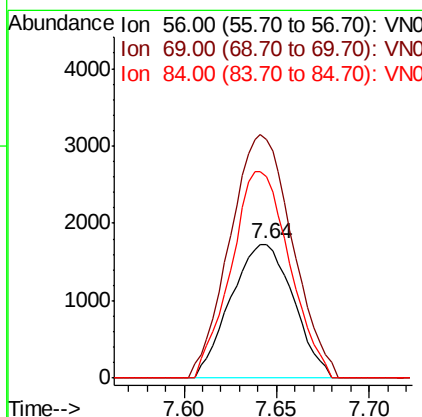
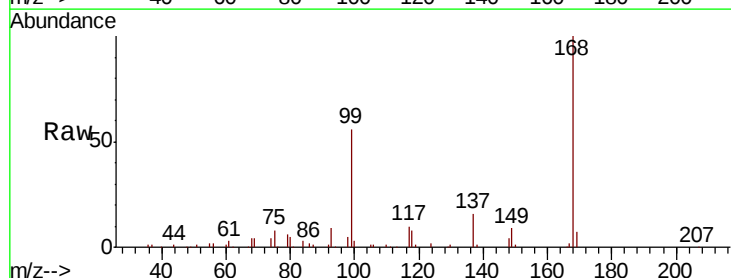
Instrument :
MSVOA_N
ClientSampleId :

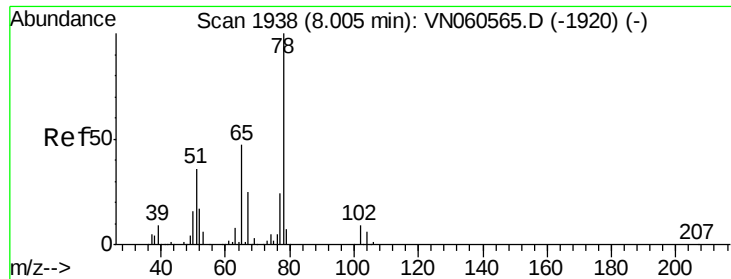
Tot Ion: 43 Resp: 2774
Ion Ratio Lower Upper
43 100
72 19.0 20.4 30.6#



#31
Cyclohexane
Concen: 0.953 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN060672.D
Acq: 24 Mar 2020 15:14

Tgt Ion: 56 Resp: 4065
Ion Ratio Lower Upper
56 100
69 178.6 26.6 40.0#
84 150.9 64.3 96.5#

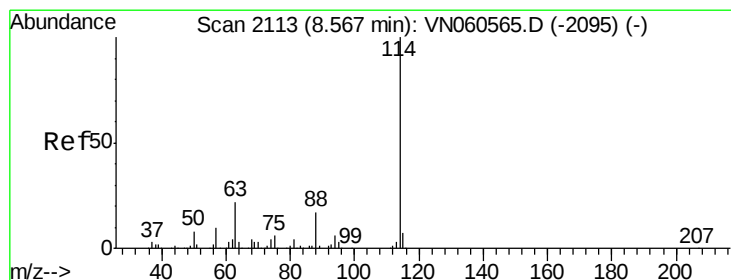
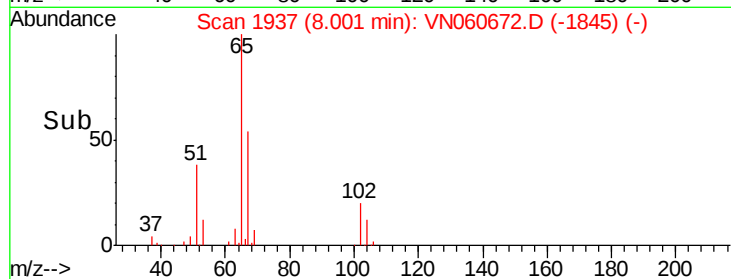
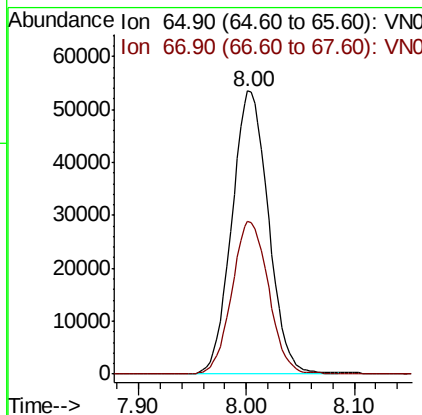
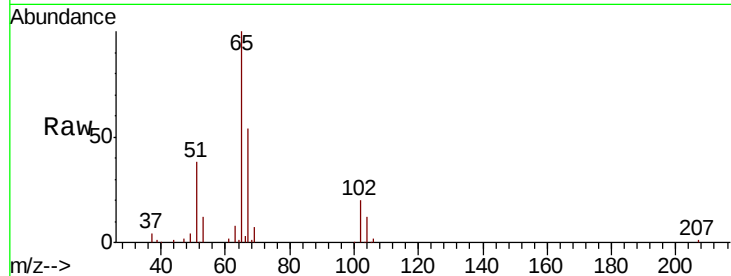




#33
 1,2-Dichloroethane-d4
 Concen: 47.683 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060672.D
 Acq: 24 Mar 2020 15:14

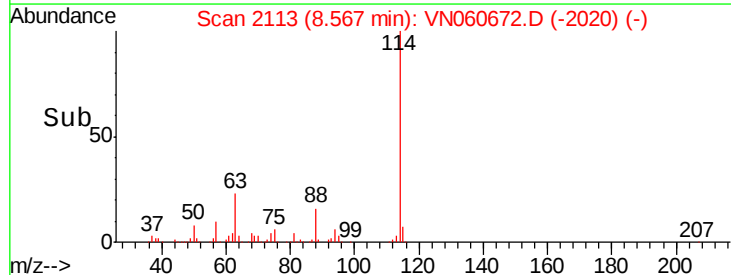
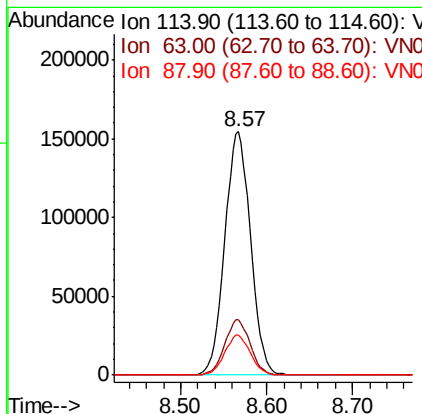
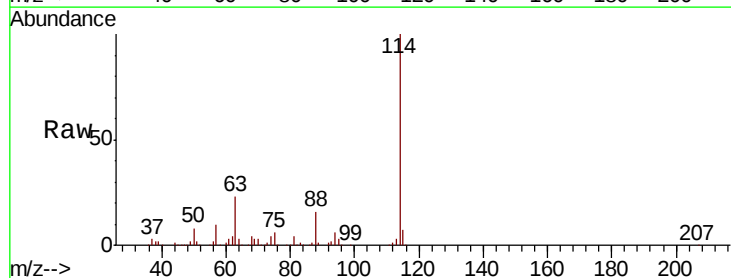
Instrument :
 MSVOA_N
 ClientSampleId :

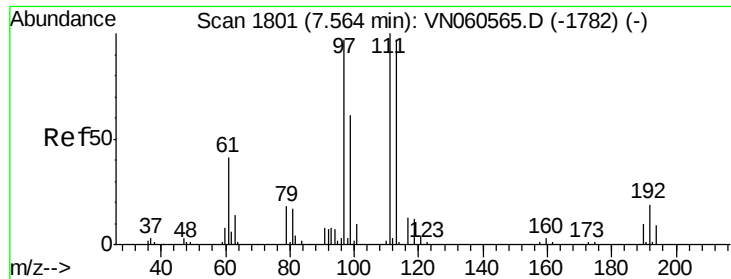
Tot Ion: 65 Resp: 126272
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060672.D
 Acq: 24 Mar 2020 15:14

Tgt Ion: 114 Resp: 321900
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 43.8
 88 16.4 0.0 33.0

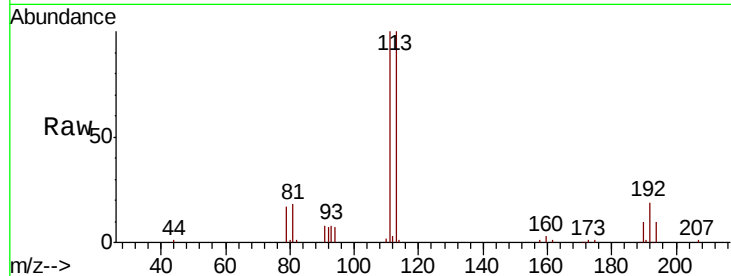




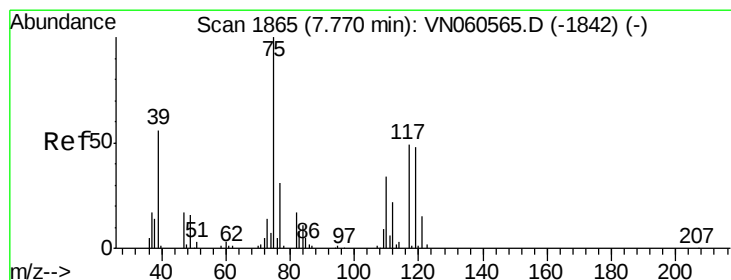
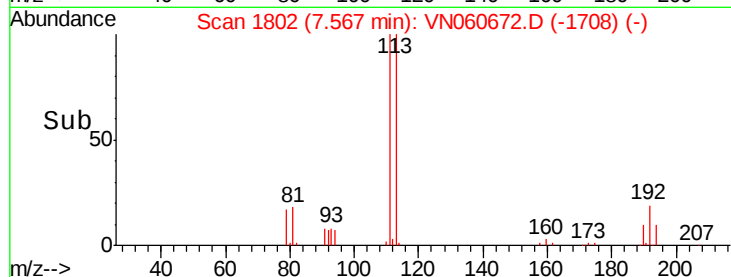
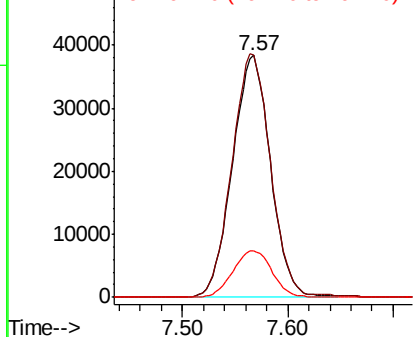
#35
 Dibromofluoromethane
 Concen: 49.442 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060672.D
 Acq: 24 Mar 2020 15:14

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 96236
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.9 124.3
 192 19.8 15.8 23.8

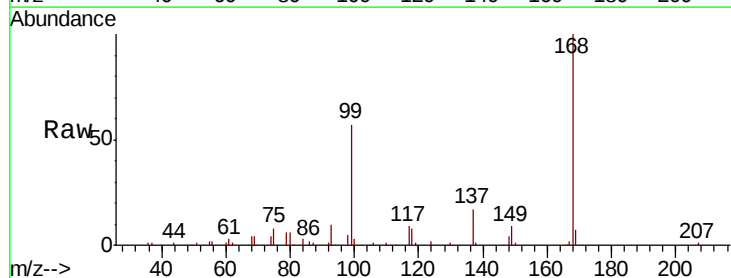


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

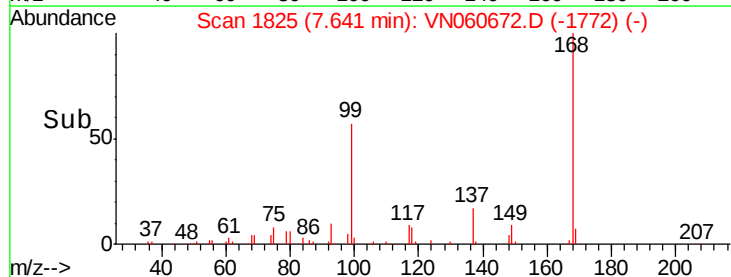
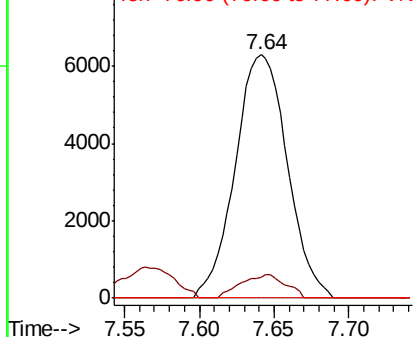


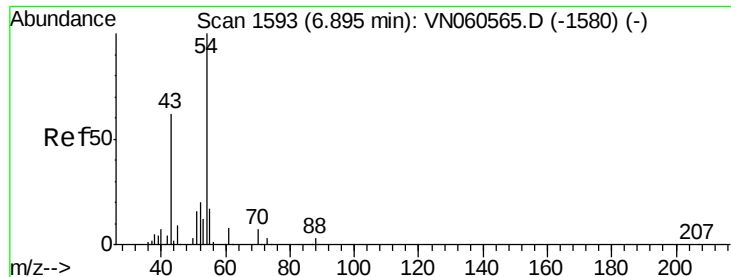
#36
 1,1-Dichloropropene
 Concen: 4.896 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060672.D
 Acq: 24 Mar 2020 15:14

Tgt Ion: 75 Resp: 15260
 Ion Ratio Lower Upper
 75 100
 110 8.2 16.9 50.6#
 77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

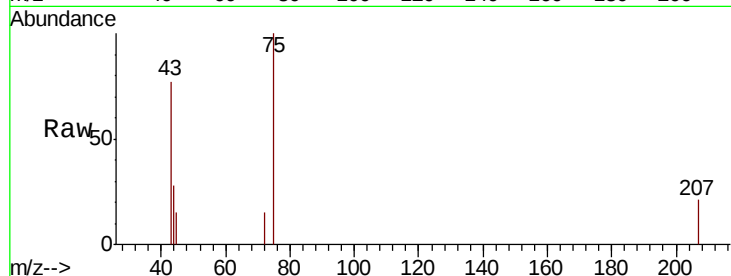




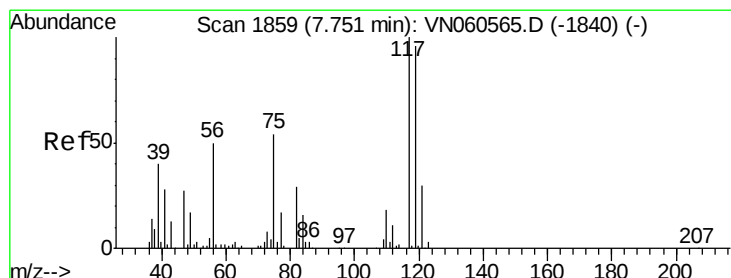
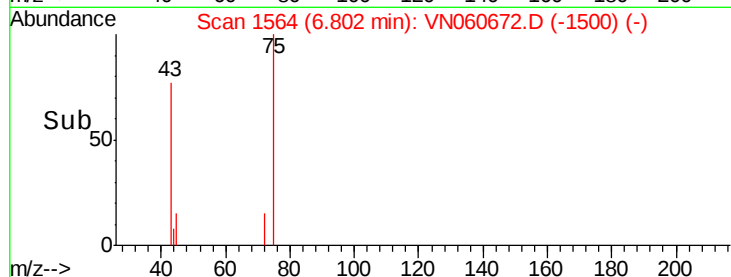
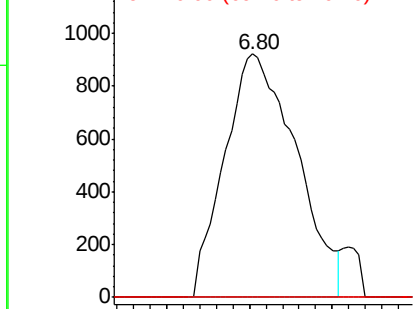
#37
Ethyl Acetate
Concen: 0.824 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.09 min
Lab File: VN060672.D
Acq: 24 Mar 2020 15:14

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 2774
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.9 11.9#

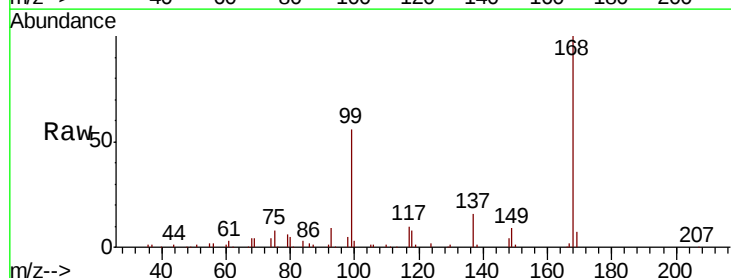


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

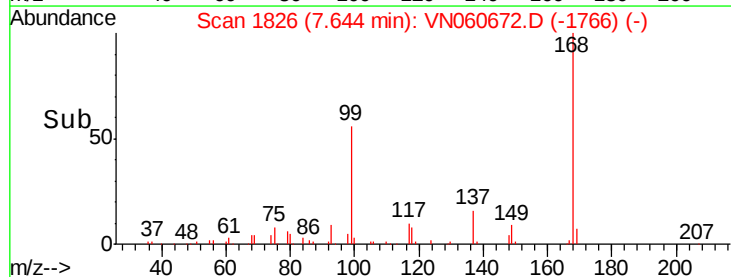
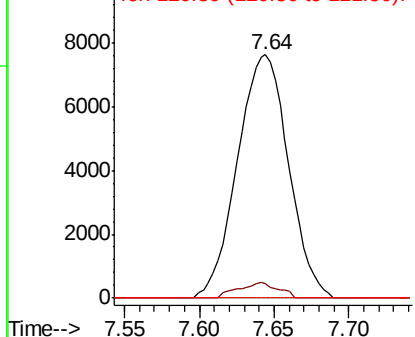


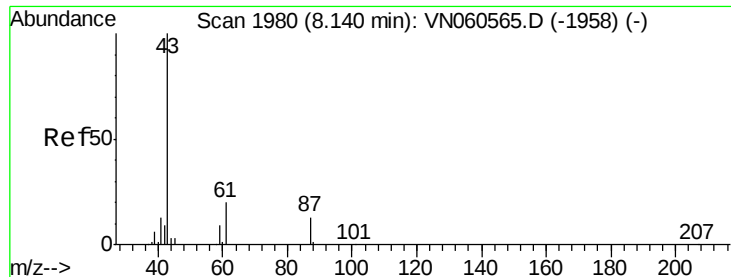
#38
Carbon Tetrachloride
Concen: 6.468 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060672.D
Acq: 24 Mar 2020 15:14

Tgt Ion: 117 Resp: 18070
Ion Ratio Lower Upper
117 100
119 5.7 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: 9.419 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060672.D

Acq: 24 Mar 2020 15:14

Instrument :

MSVOA_N

ClientSampled :

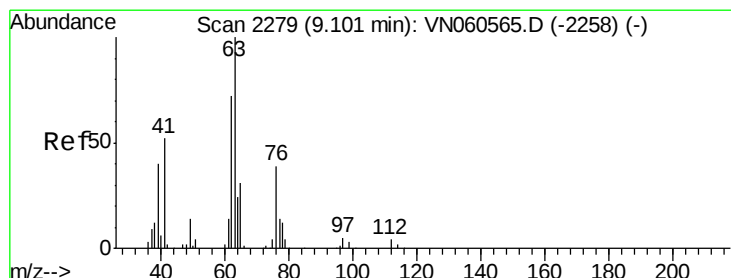
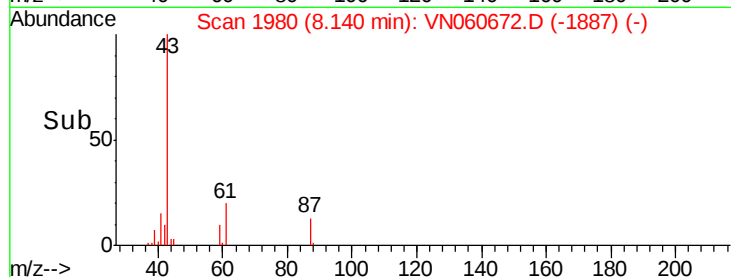
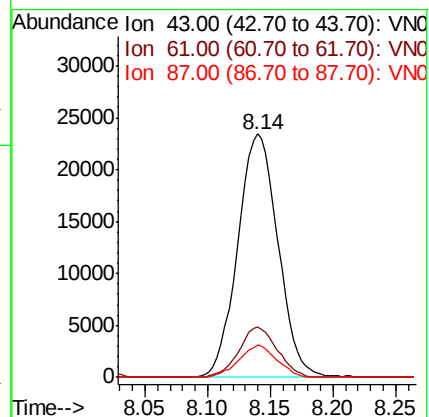
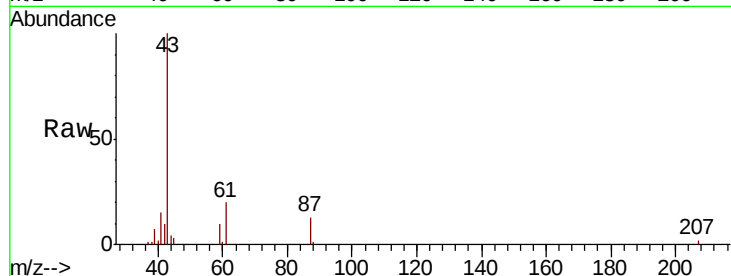
Tot Ion: 43 Resp: 52315

Ion Ratio Lower Upper

43 100

61 19.7 20.7 31.1#

87 12.4 9.8 14.8



#45

1,2-Dichloropropane

Concen: 0.395 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060672.D

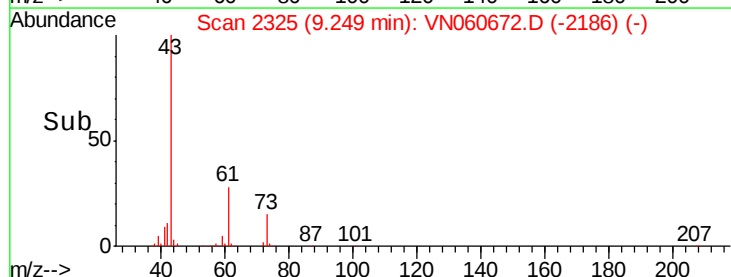
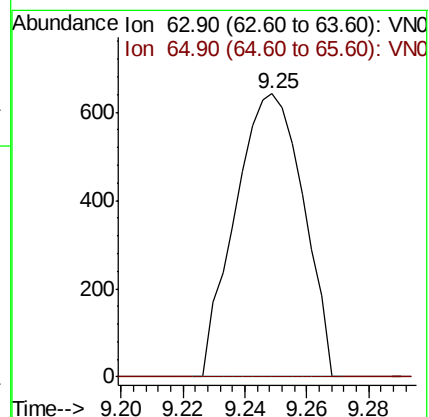
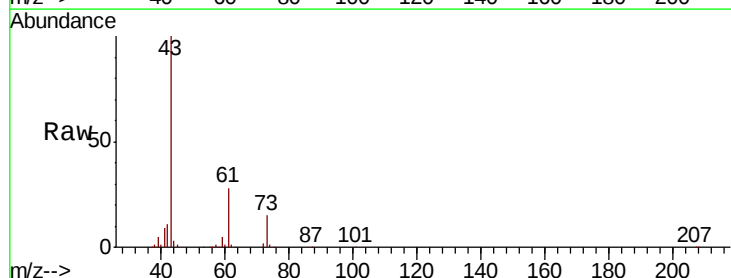
Acq: 24 Mar 2020 15:14

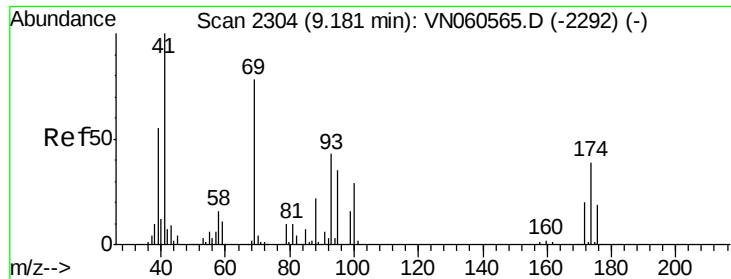
Tgt Ion: 63 Resp: 980

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.0#

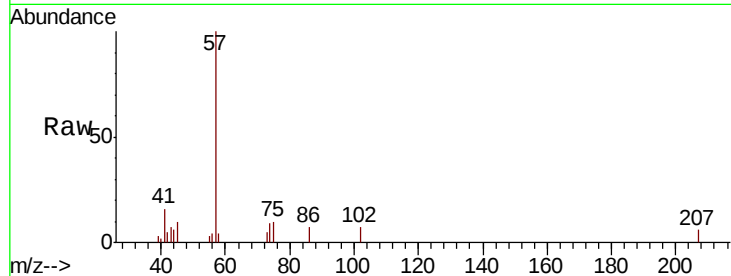




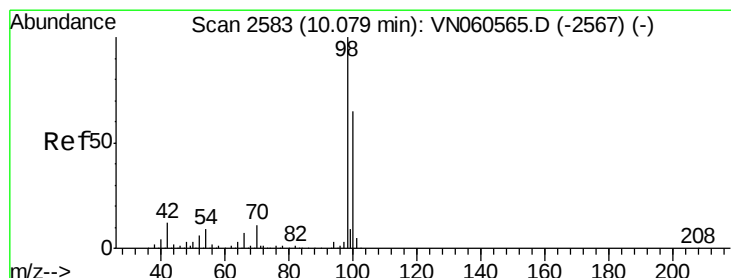
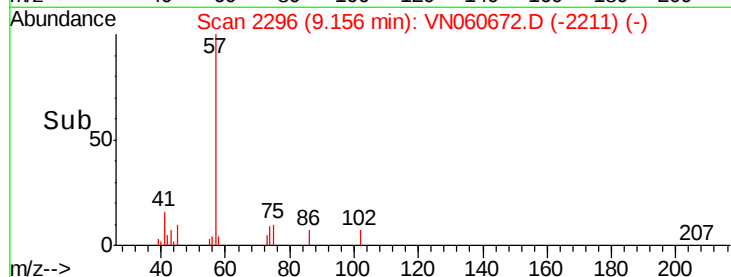
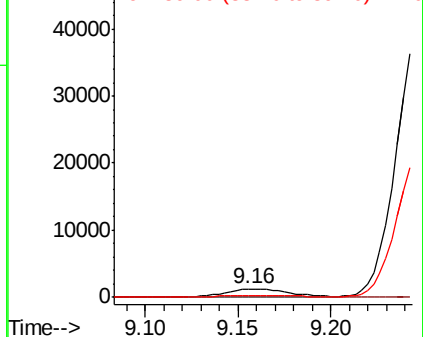
#48
Methvl methacrylate
Concen: 1.229 ug/l
RT: 9.16 min Scan# 2296
Delta R.T. -0.03 min
Lab File: VN060672.D
Acq: 24 Mar 2020 15:14

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 3040
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#

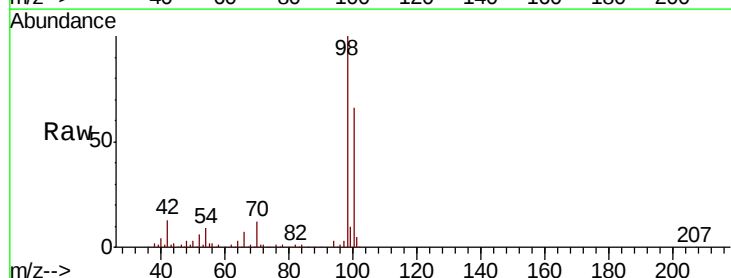


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

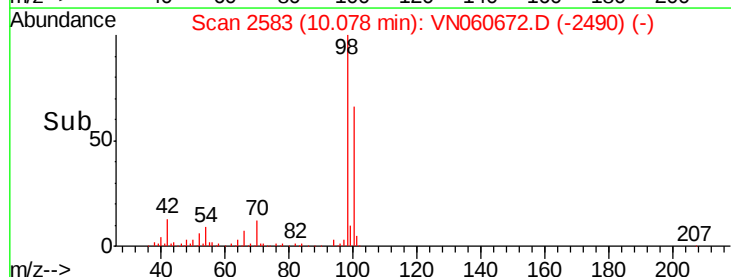
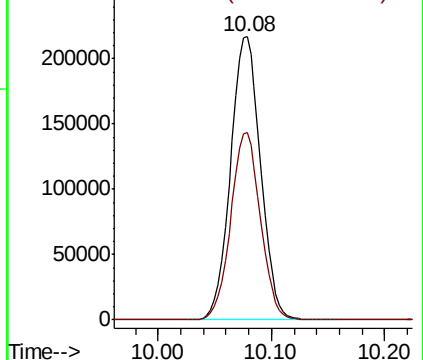


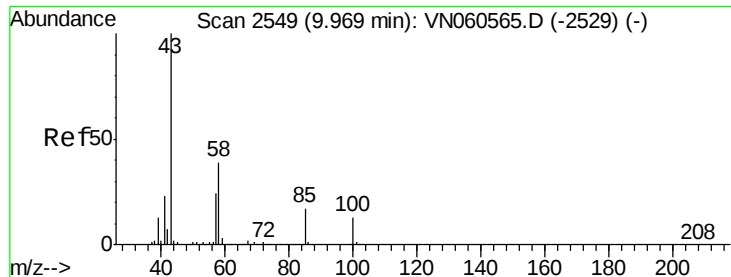
#50
Toluene-d8
Concen: 50.299 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060672.D
Acq: 24 Mar 2020 15:14

Tgt Ion: 98 Resp: 399897
Ion Ratio Lower Upper
98 100
100 65.3 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: 1.231 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060672.D

Acq: 24 Mar 2020 15:14

Instrument :

MSVOA_N

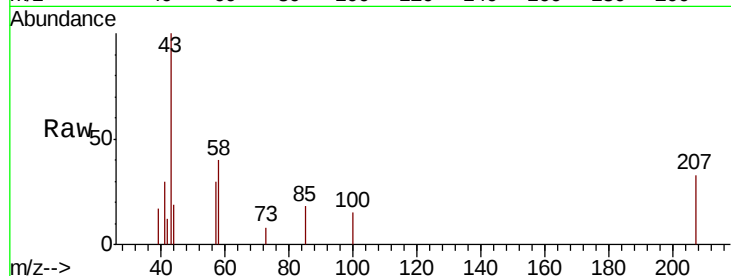
ClientSampled :

Tot Ion: 43 Resp: 3890

Ion Ratio Lower Upper

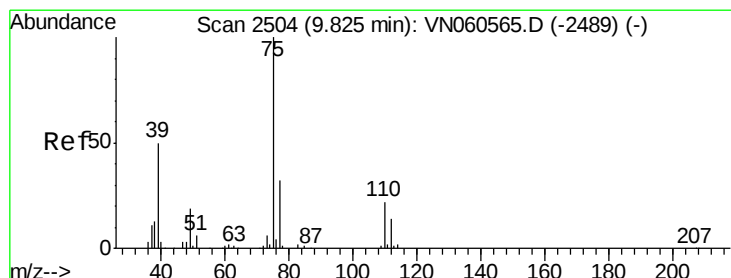
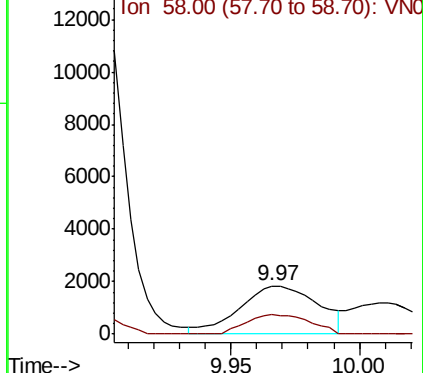
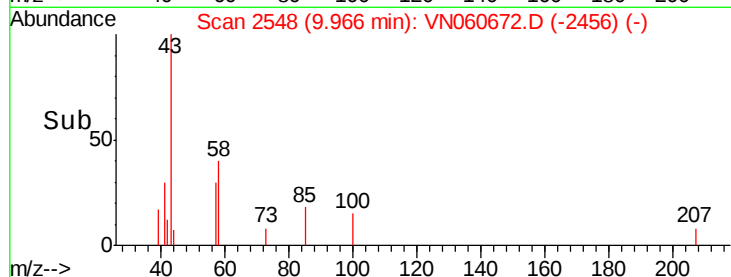
43 100

58 33.0 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060672.D (-2456) (-)

Ion 58.00 (57.70 to 58.70): VN060672.D (-2456) (-)



#54

cis-1,3-Dichloropropene

Concen: 5.297 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060672.D

Acq: 24 Mar 2020 15:14

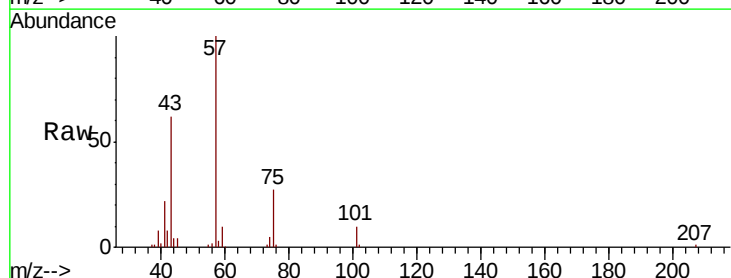
Tgt Ion: 75 Resp: 20819

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

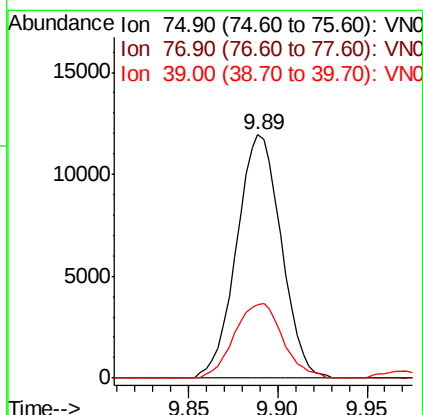
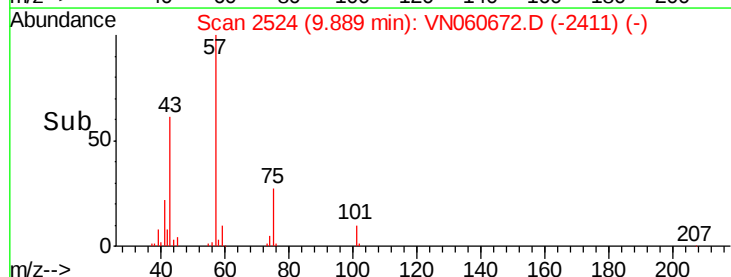
39 30.4 40.2 60.4#

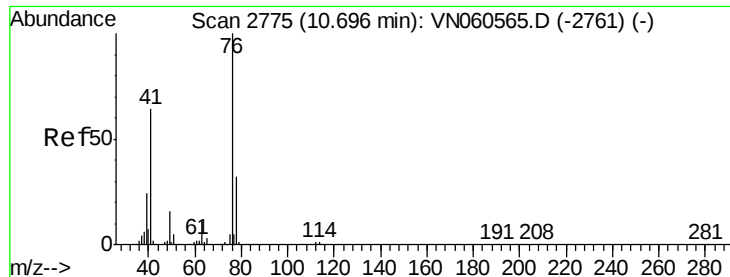


Abundance Ion 74.90 (74.60 to 75.60): VN060672.D (-2411) (-)

Ion 76.90 (76.60 to 77.60): VN060672.D (-2411) (-)

Ion 39.00 (38.70 to 39.70): VN060672.D (-2411) (-)

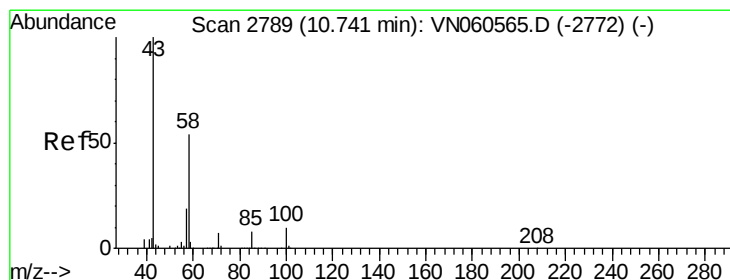
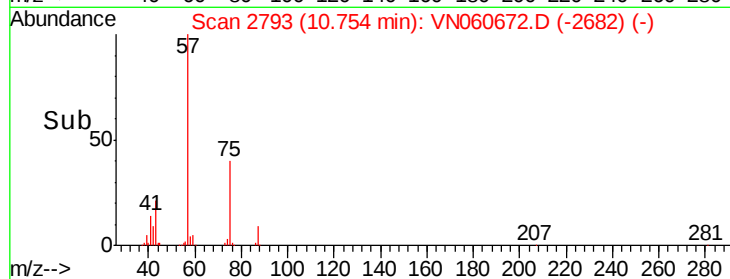
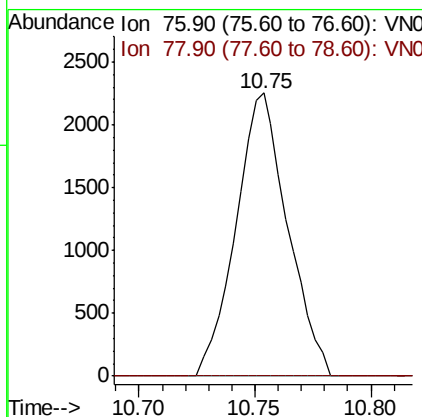
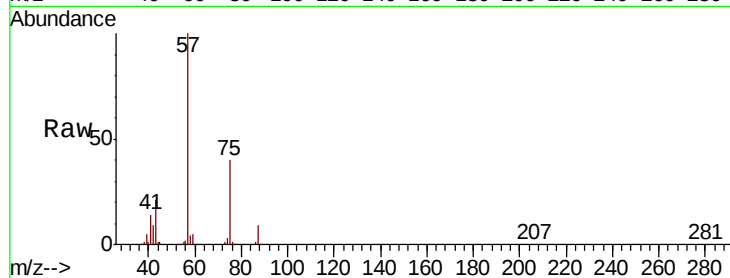




#57
 1,3-Dichloropropane
 Concen: 0.919 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060672.D
 Acq: 24 Mar 2020 15:14

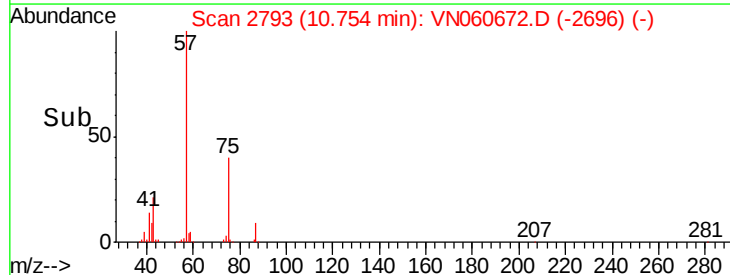
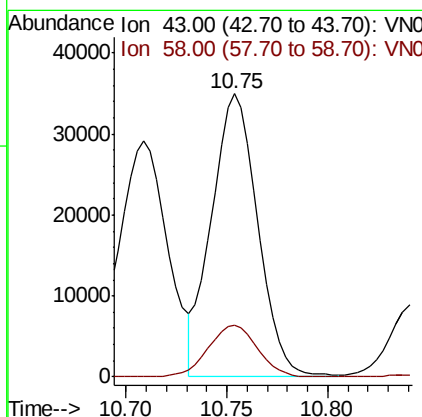
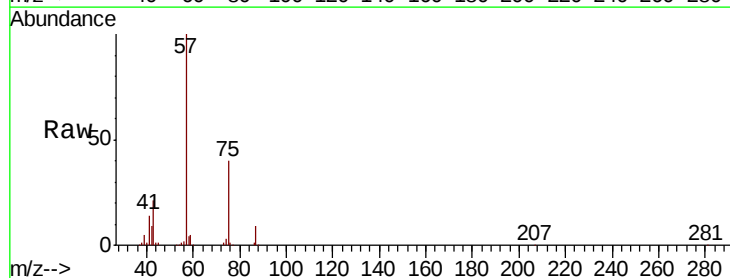
Instrument :
 MSVOA_N
 ClientSampled :

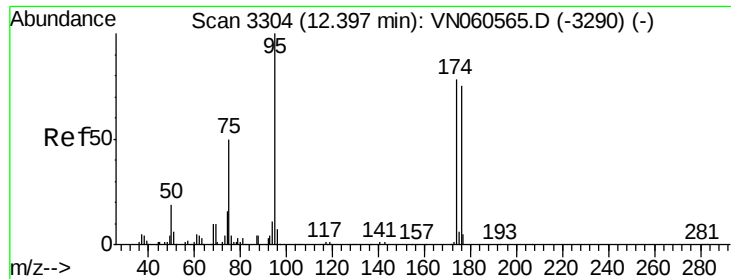
Tot Ion: 76 Resp: 3485
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#



#59
 2-Hexanone
 Concen: 24.281 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060672.D
 Acq: 24 Mar 2020 15:14

Tgt Ion: 43 Resp: 55284
 Ion Ratio Lower Upper
 43 100
 58 19.5 26.7 80.1#





#62

4-Bromofluorobenzene

Concen: 51.786 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060672.D

Acq: 24 Mar 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

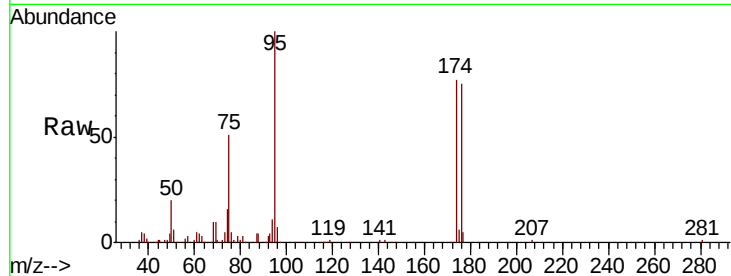
Tot Ion: 95 Resp: 150890

Ion Ratio Lower Upper

95 100

174 77.8 0.0 157.6

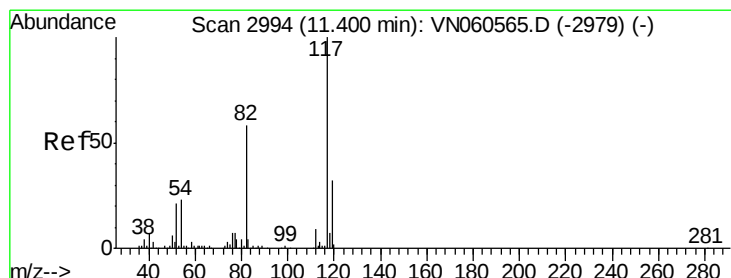
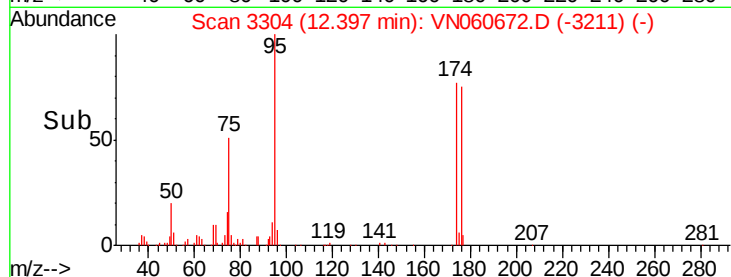
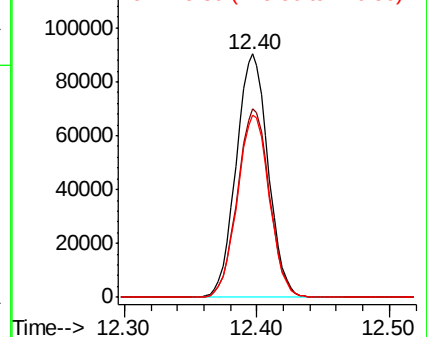
176 75.3 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060672.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060672.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060672.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060672.D

Acq: 24 Mar 2020 15:14

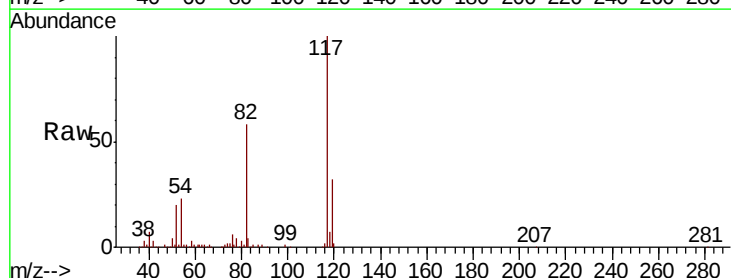
Tgt Ion: 117 Resp: 306340

Ion Ratio Lower Upper

117 100

82 57.9 46.7 70.1

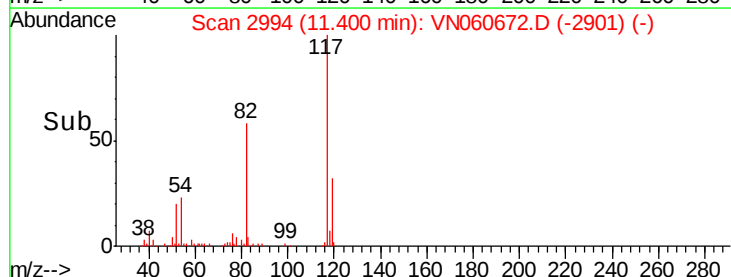
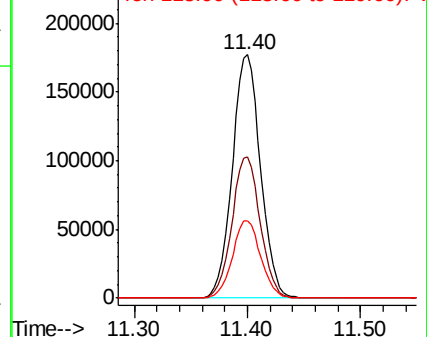
119 31.9 25.5 38.3

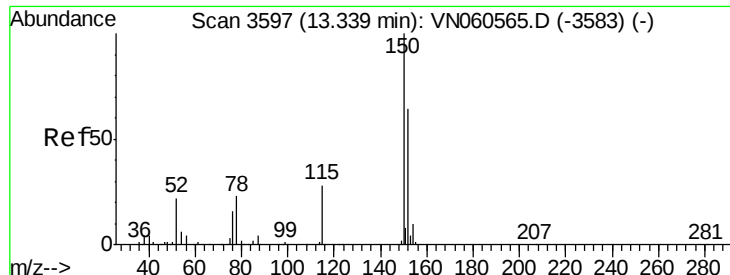


Abundance Ion 116.90 (116.60 to 117.60): VN060672.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060672.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060672.D (-2979) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060672.D

Acq: 24 Mar 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

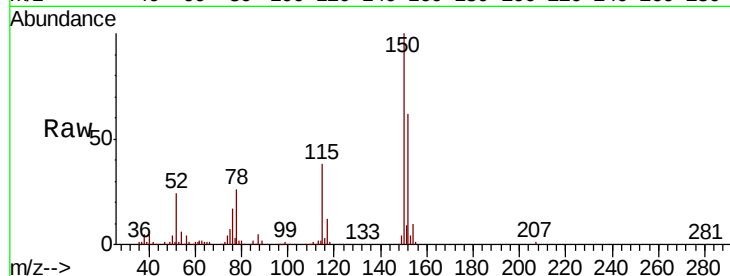
Tot Ion:152 Resp: 140544

Ion Ratio Lower Upper

152 100

115 60.1 30.2 90.6

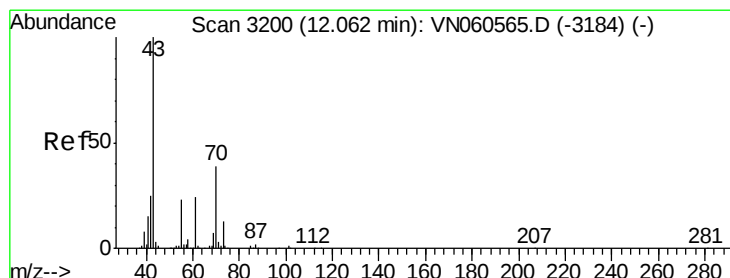
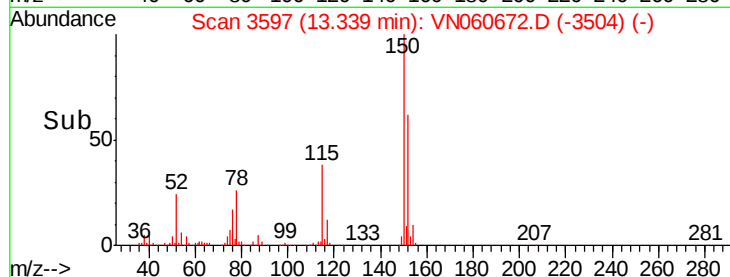
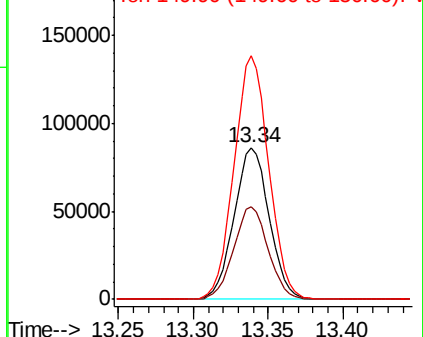
150 158.9 0.0 350.2



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-ethyl acetate

Concen: 0.531 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060672.D

Acq: 24 Mar 2020 15:14

Tgt Ion: 43 Resp: 2590

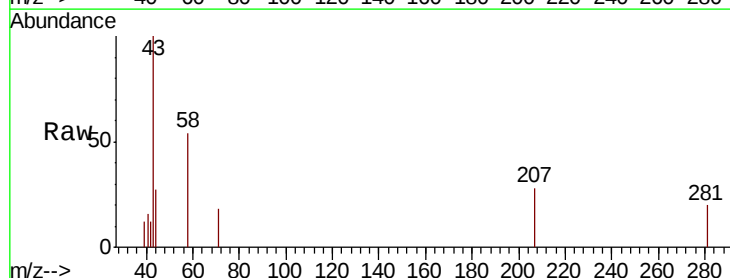
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

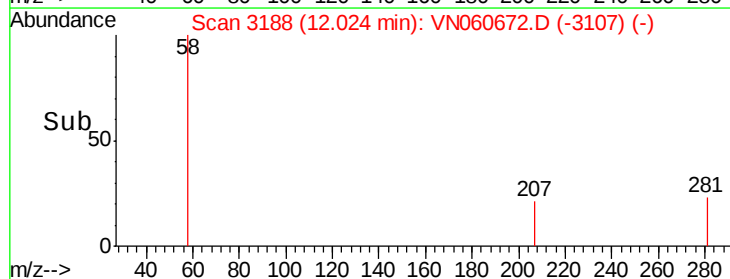
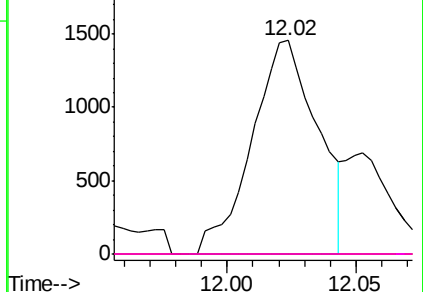


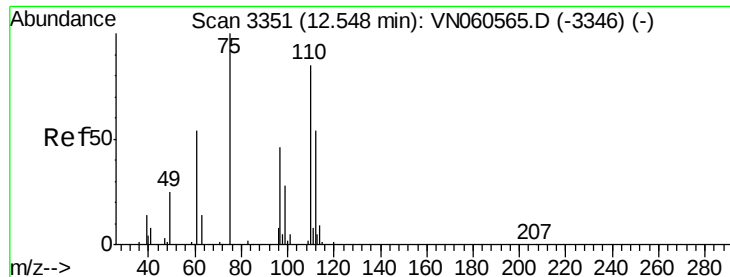
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 25.414 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060672.D

Acq: 24 Mar 2020 15:14

Instrument :

MSVOA_N

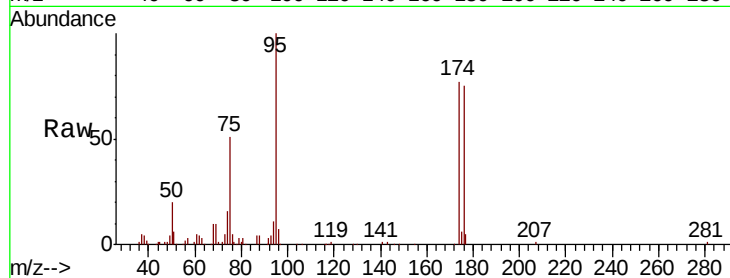
ClientSampled :

Tot Ion: 75 Resp: 77073

Ion Ratio Lower Upper

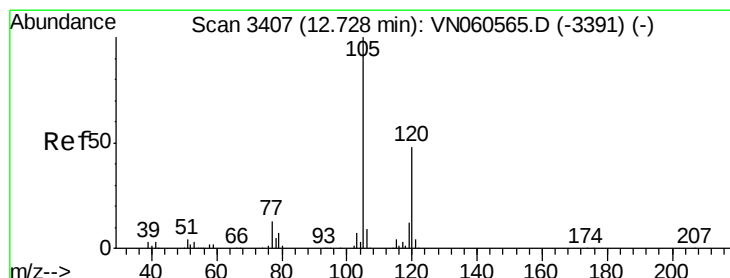
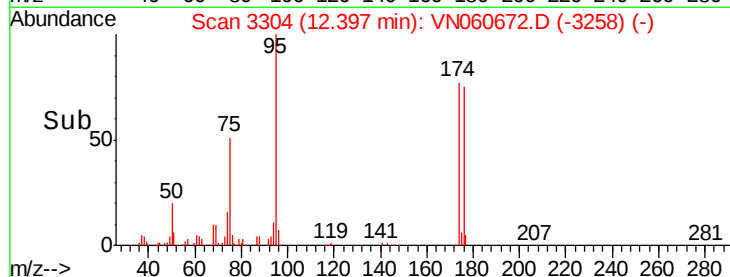
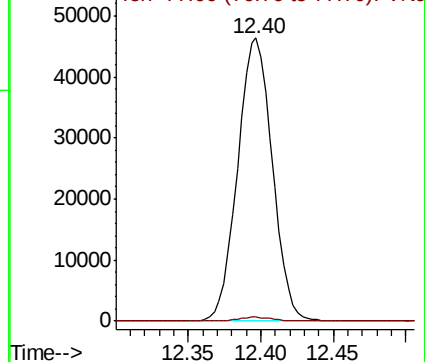
75 100

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



#80

1,3,5-Trimethylbenzene

Concen: 0.325 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060672.D

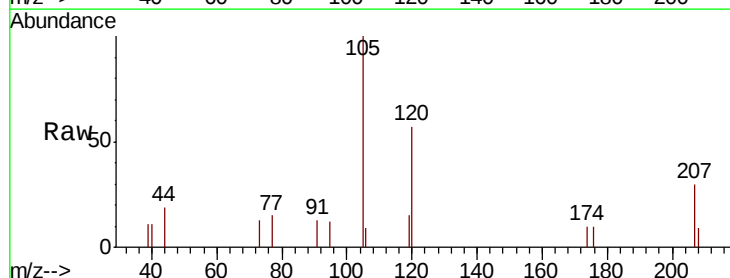
Acq: 24 Mar 2020 15:14

Tgt Ion: 105 Resp: 2913

Ion Ratio Lower Upper

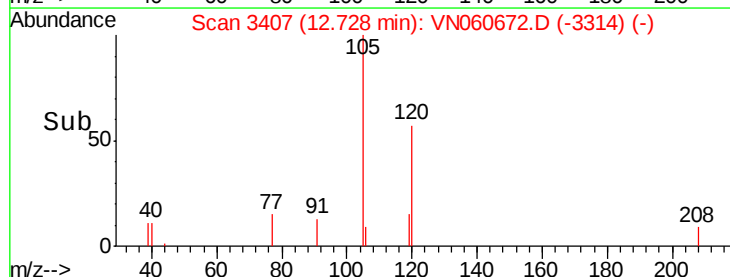
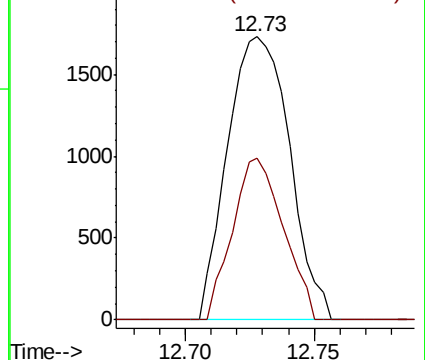
105 100

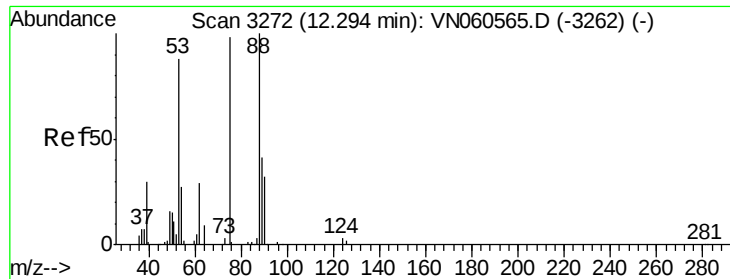
120 46.6 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 65.272 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060672.D

Acq: 24 Mar 2020 15:14

Instrument :

MSVOA_N

ClientSampleId :

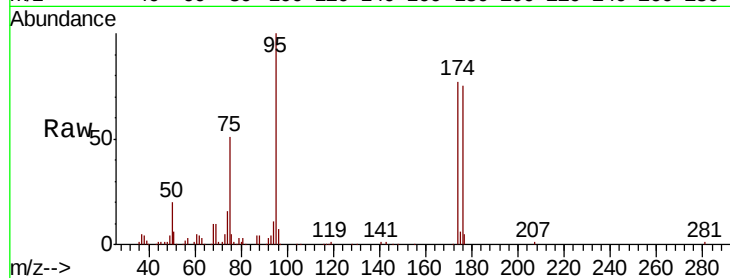
Tot Ion: 75 Resp: 77073

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#



Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

