

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040820\
 Data File : VN060899.D
 Acq On : 8 Apr 2020 14:32
 Operator : JC/MD
 Sample : PB128091ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 09 08:27:08 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	188663	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	314358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	292260	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	126757	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	121711	46.99	ug/l	0.00
Spiked Amount			Recovery	=	93.98%	
35) Dibromofluoromethane	7.57	113	93492	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
50) Toluene-d8	10.08	98	388462	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	12.40	95	141264	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	3424	3.732	ug/l	93
18) Methyl Acetate	4.29	43	1617	0.626	ug/l #	54
20) Methylene Chloride	4.52	84	3032	1.344	ug/l #	90
31) Cyclohexane	7.64	56	3951	0.947	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14708	4.832	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18173	6.661	ug/l #	16
43) Isopropyl Acetate	8.14	43	57841	10.663	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	1128	0.465	ug/l #	43
48) Methyl methacrylate	9.16	41	2706	1.120	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4342	1.407	ug/l	89
54) cis-1,3-Dichloropropene	9.89	75	24989	6.510	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	3907	1.055	ug/l #	42
59) 2-Hexanone	10.75	43	59944	26.959	ug/l #	51
74) N-amyl acetate	12.02	43	2370	0.539	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	71087	25.990	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3360	0.416	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	71087	66.750	ug/l #	13

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060899.D

Acq: 8 Apr 2020 14:32

Instrument :

MSVOA_N

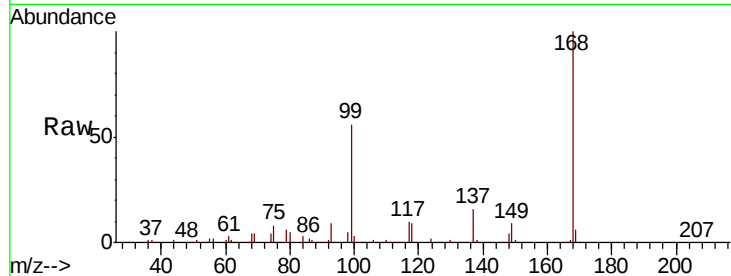
ClientSampled :

Tot Ion:168 Resp: 188663

Ion Ratio Lower Upper

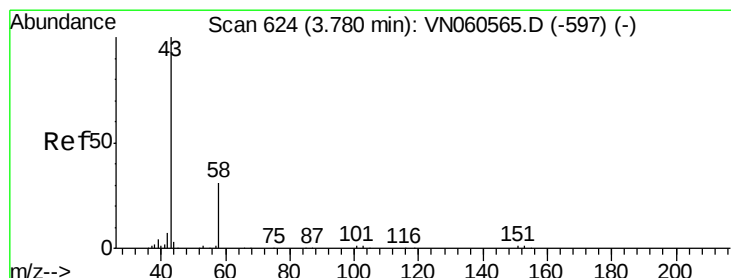
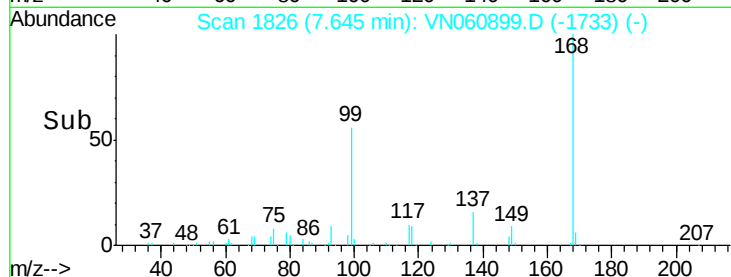
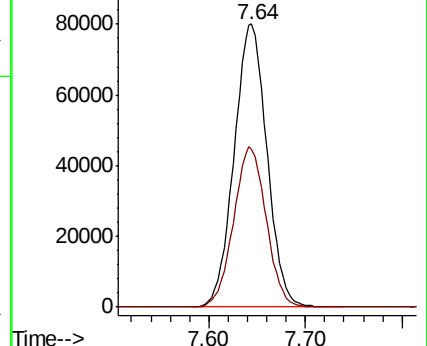
168 100

99 56.0 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: 3.732 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060899.D

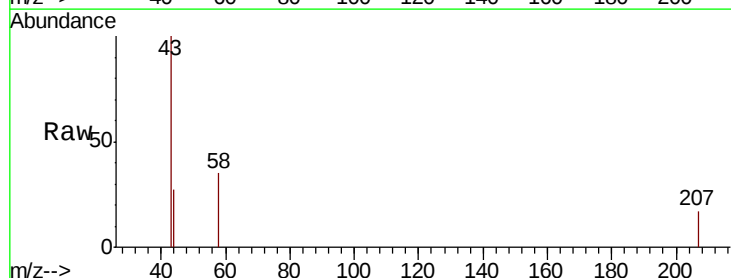
Acq: 8 Apr 2020 14:32

Tgt Ion: 43 Resp: 3424

Ion Ratio Lower Upper

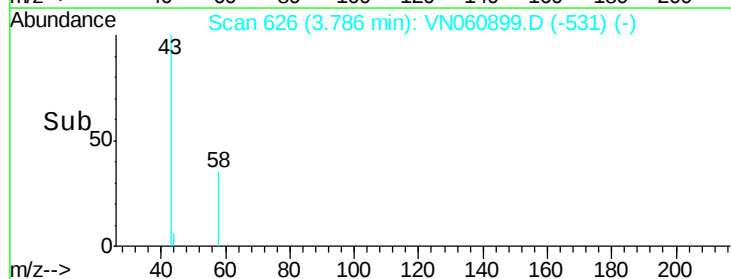
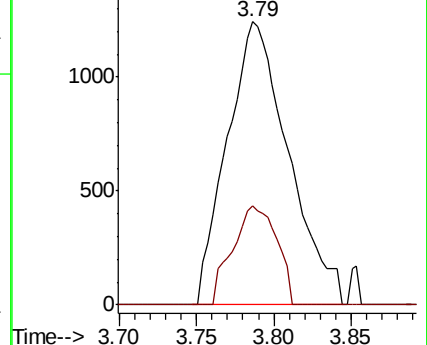
43 100

58 35.2 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

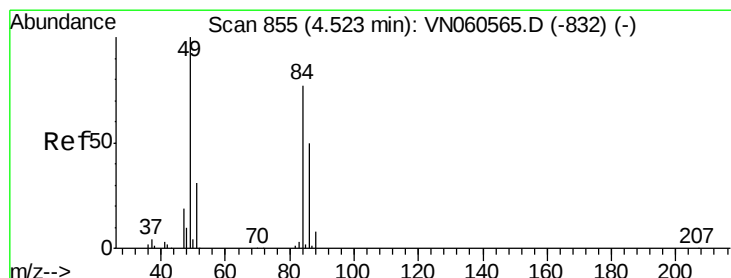
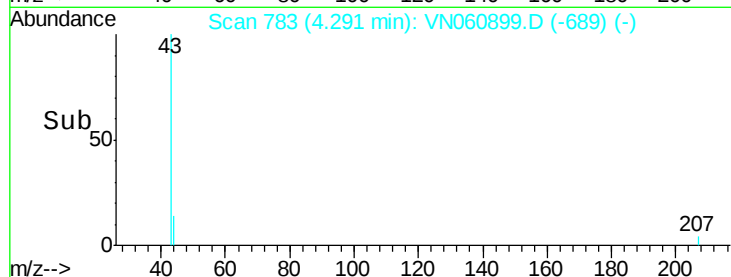
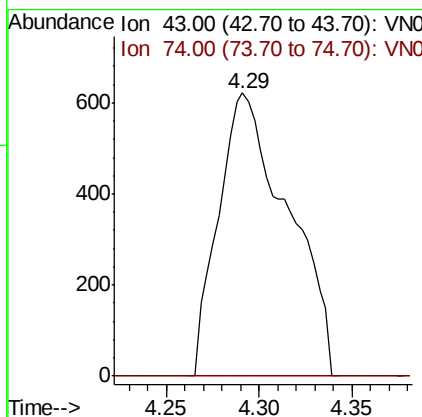
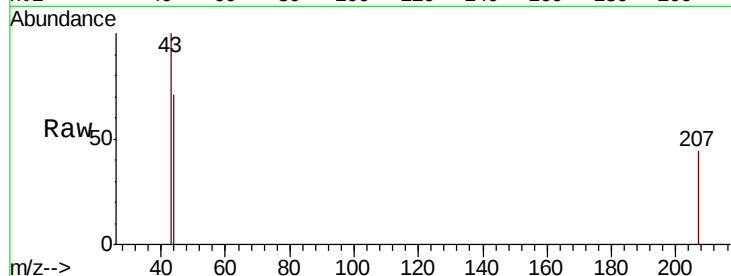




#18
Methyl Acetate
Concen: 0.626 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN060899.D
Acq: 8 Apr 2020 14:32

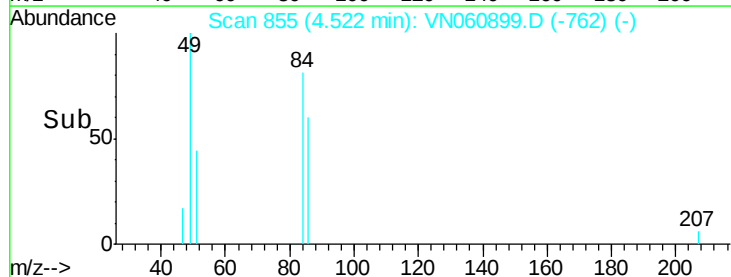
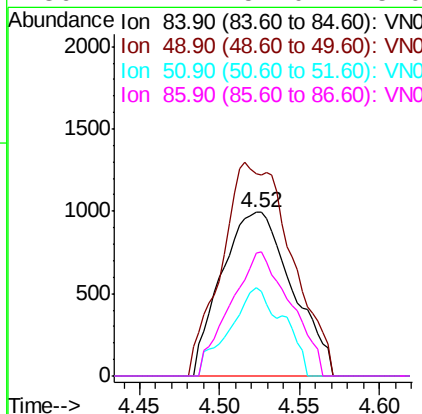
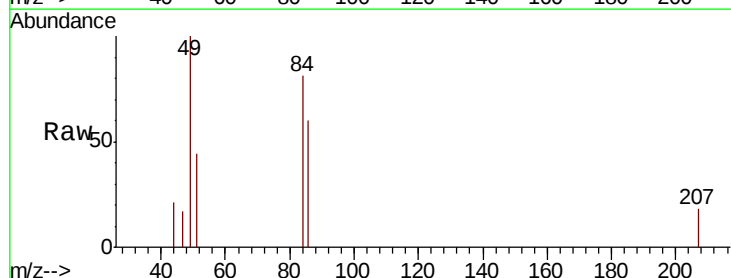
Instrument :
MSVOA_N
ClientSampleId :

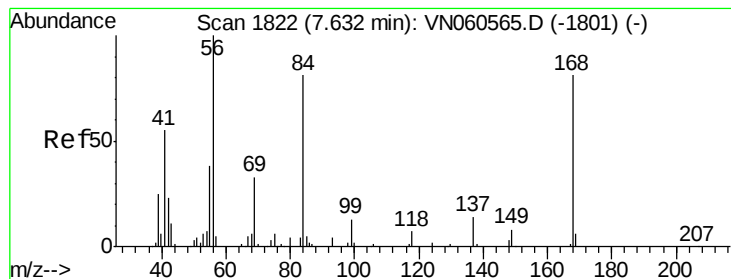
Tot Ion: 43 Resp: 1617
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.344 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060899.D
Acq: 8 Apr 2020 14:32

Tgt Ion: 84 Resp: 3032
Ion Ratio Lower Upper
84 100
49 123.8 103.3 154.9
51 54.3 31.6 47.4#
86 74.7 52.0 78.0





#31

Cyclohexane

Concen: 0.947 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN060899.D

Acq: 8 Apr 2020 14:32

Instrument :

MSVOA_N

ClientSampled :

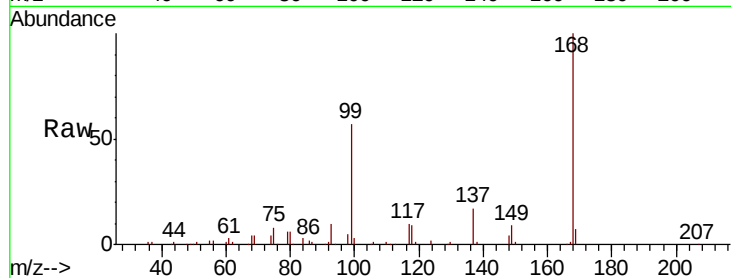
Tot Ion: 56 Resp: 3951

Ion Ratio Lower Upper

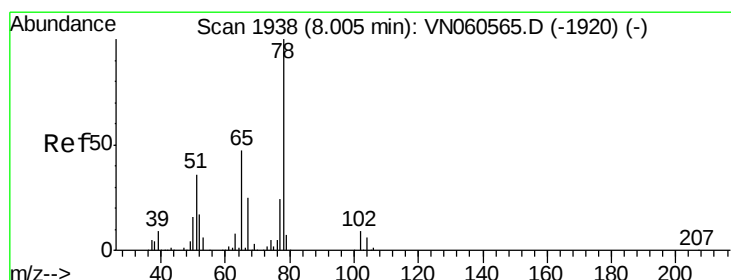
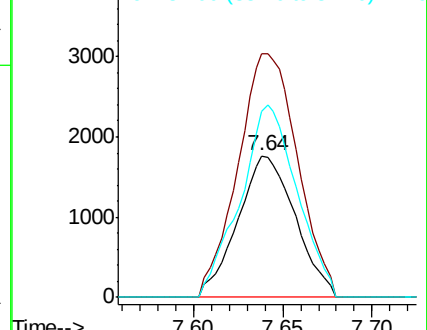
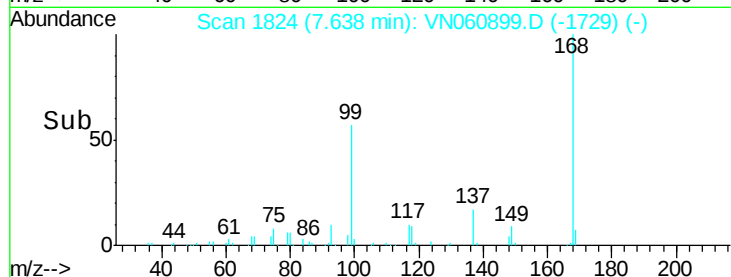
56 100

69 172.0 26.6 40.0#

84 131.7 64.3 96.5#



Abundance Ion 56.00 (55.70 to 56.70): VN060899.D (-1729) (-)



#33

1,2-Dichloroethane-d4

Concen: 46.994 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060899.D

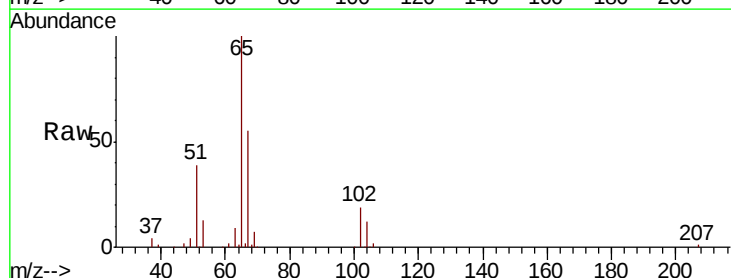
Acq: 8 Apr 2020 14:32

Tgt Ion: 65 Resp: 121711

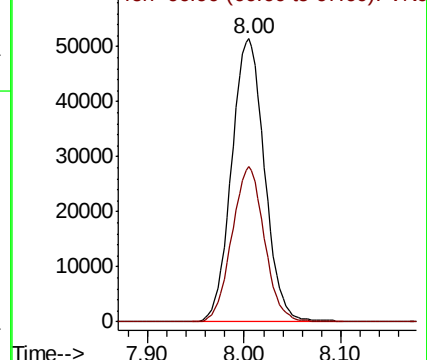
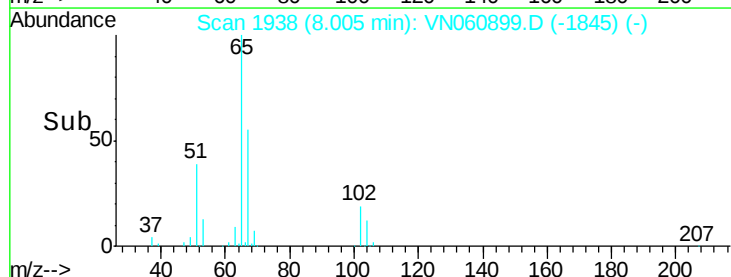
Ion Ratio Lower Upper

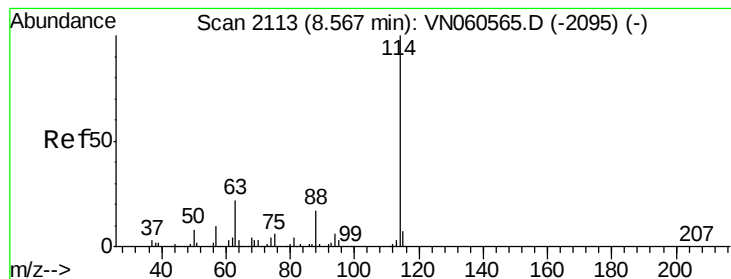
65 100

67 53.8 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN060899.D (-1845) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060899.D

Acq: 8 Apr 2020 14:32

Instrument :

MSVOA_N

ClientSampleId :

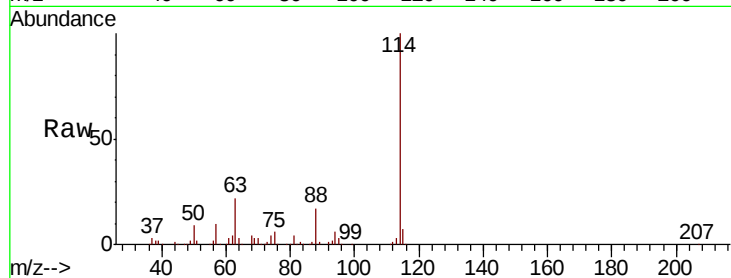
Tot Ion:114 Resp: 314358

Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.8

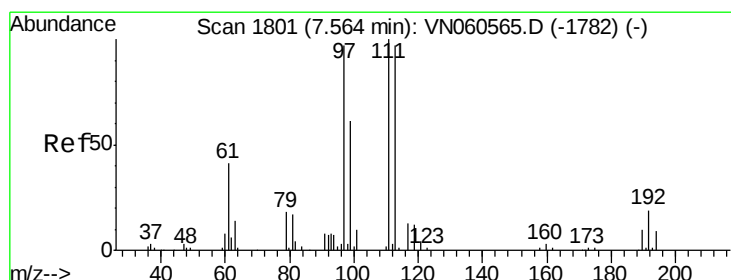
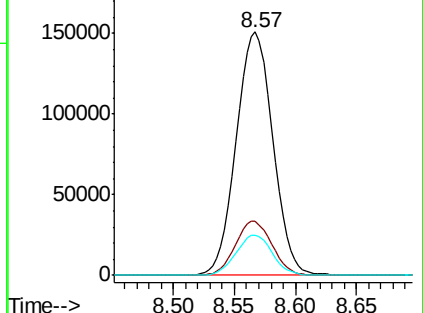
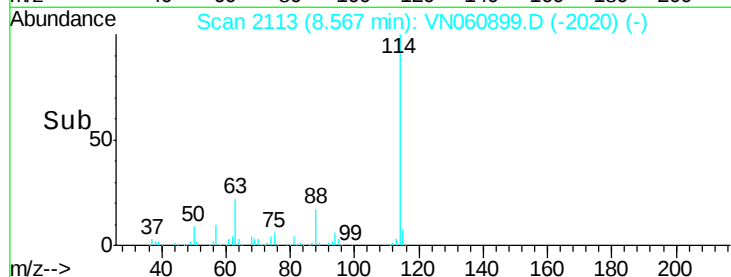
88 16.6 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 49.185 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060899.D

Acq: 8 Apr 2020 14:32

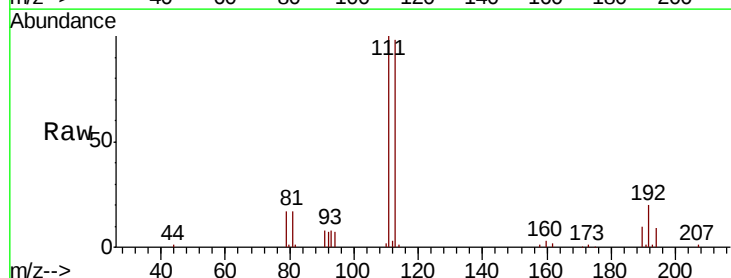
Tgt Ion:113 Resp: 93492

Ion Ratio Lower Upper

113 100

111 102.9 82.9 124.3

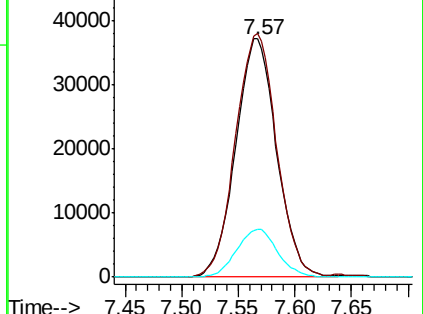
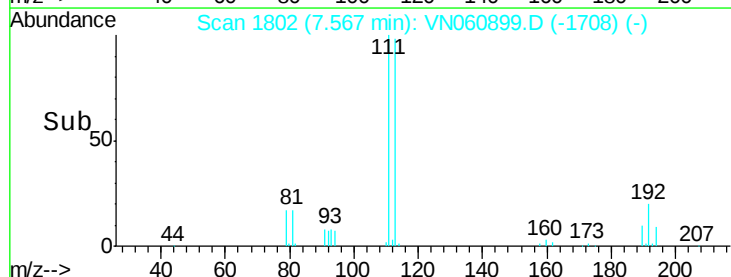
192 20.0 15.8 23.8

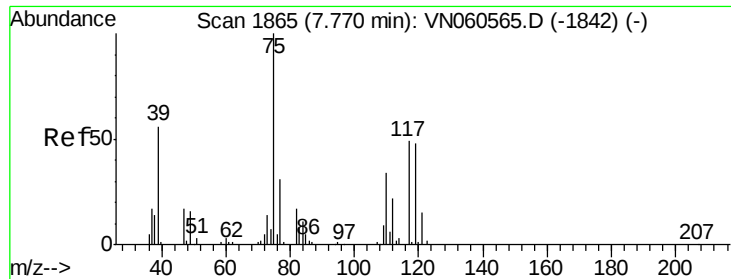


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

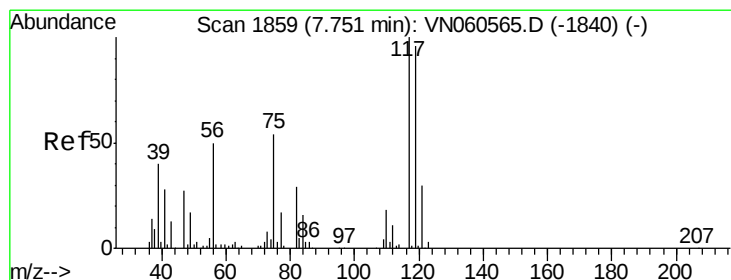
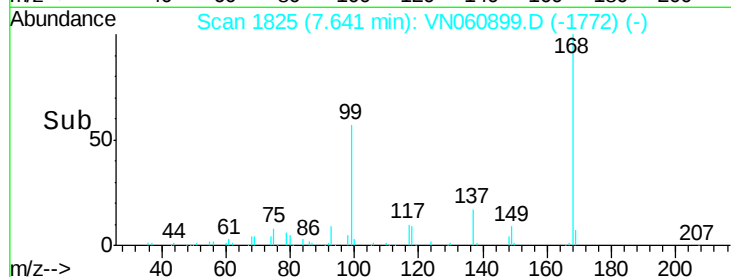
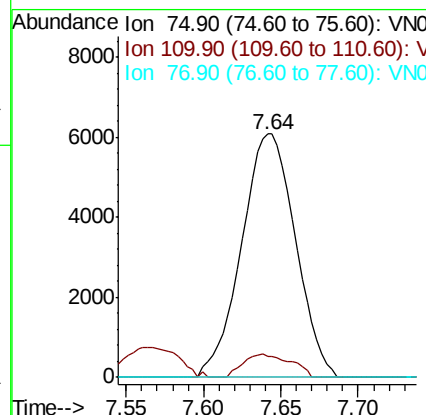
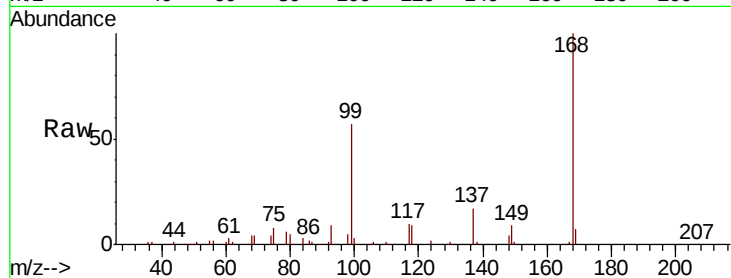




#36
 1,1-Dichloropropene
 Concen: 4.832 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060899.D
 Acq: 8 Apr 2020 14:32

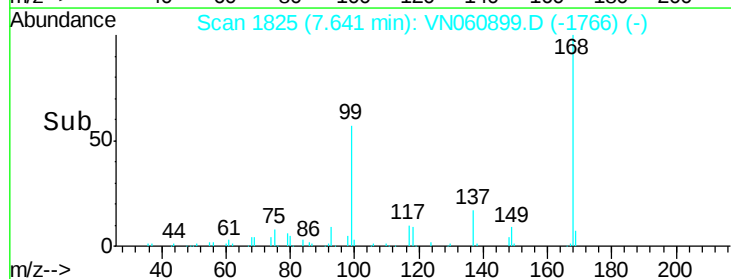
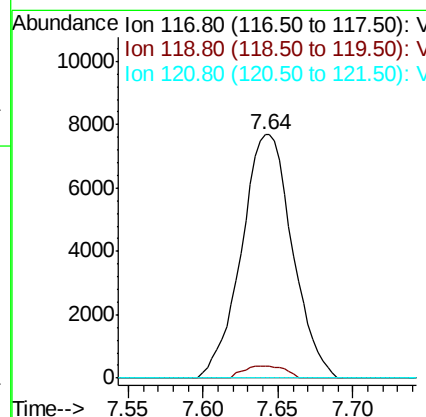
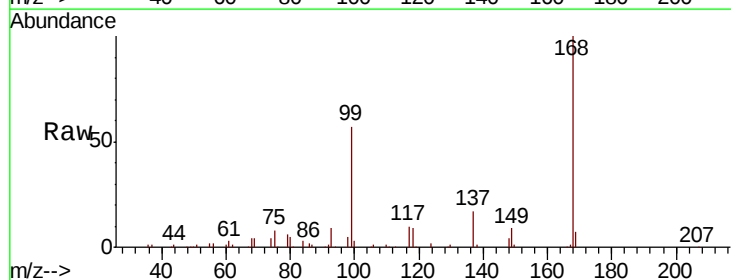
Instrument :
 MSVOA_N
 ClientSampleID :

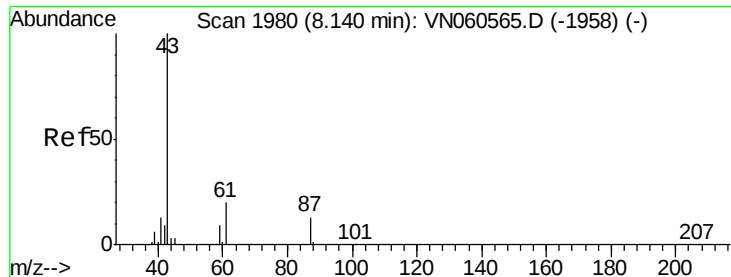
Tot Ion	75	Resp	14708
Ion Ratio	Lower	Upper	
75	100		
110	8.4	16.9	50.6#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.661 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060899.D
 Acq: 8 Apr 2020 14:32

Tgt Ion	117	Resp	18173
Ion Ratio	Lower	Upper	
117	100		
119	4.9	76.2	114.2#
121	0.0	23.7	35.5#





#43

Isopropyl Acetate

Concen: 10.663 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060899.D

Acq: 8 Apr 2020 14:32

Instrument :

MSVOA_N

ClientSampleId :

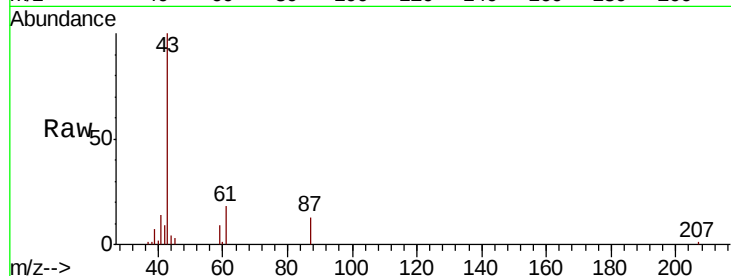
Tot Ion: 43 Resp: 57841

Ion Ratio Lower Upper

43 100

61 18.9 20.7 31.1#

87 11.9 9.8 14.8

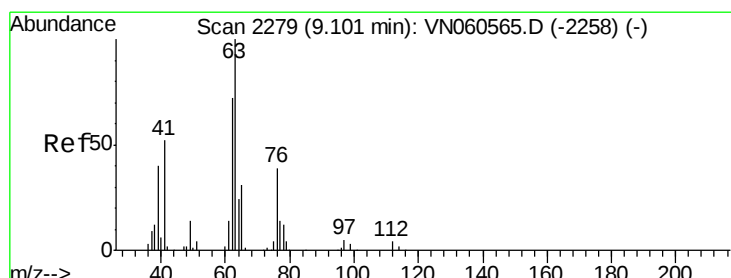
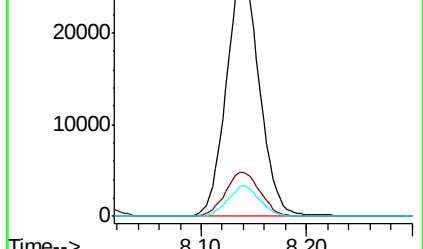
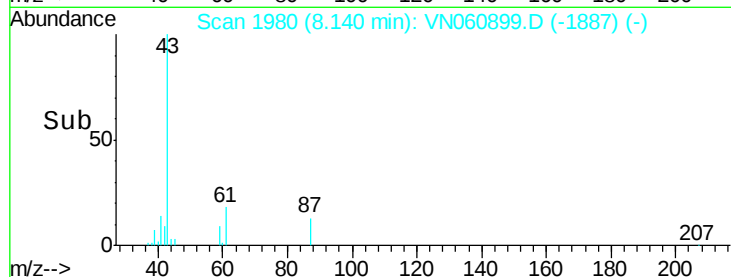


Abundance Ion 43.00 (42.70 to 43.70): VN060899.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060899.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060899.D (-1887) (-)

Time-->



#45

1,2-Dichloropropane

Concen: 0.465 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060899.D

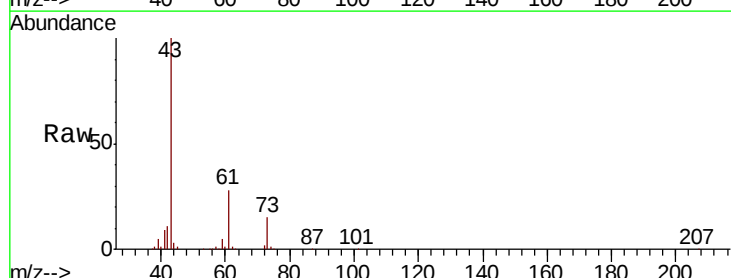
Acq: 8 Apr 2020 14:32

Tgt Ion: 63 Resp: 1128

Ion Ratio Lower Upper

63 100

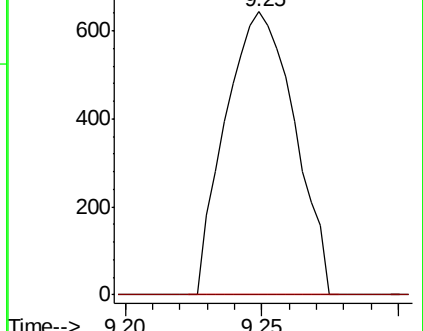
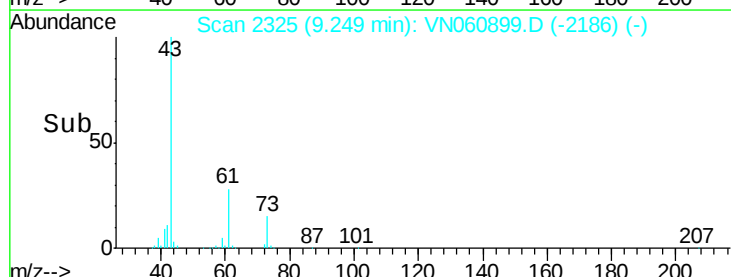
65 0.0 25.4 38.0#

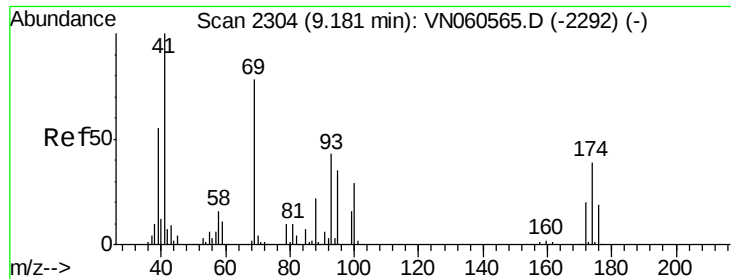


Abundance Ion 62.90 (62.60 to 63.60): VN060899.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060899.D (-2186) (-)

Time-->

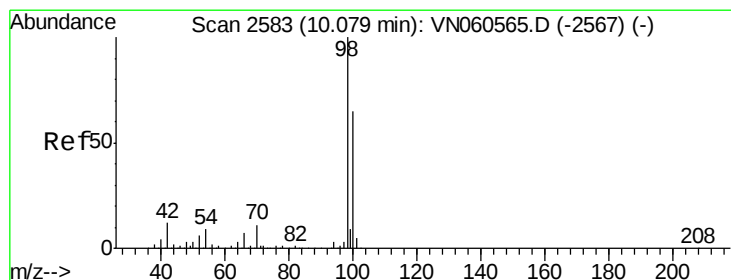
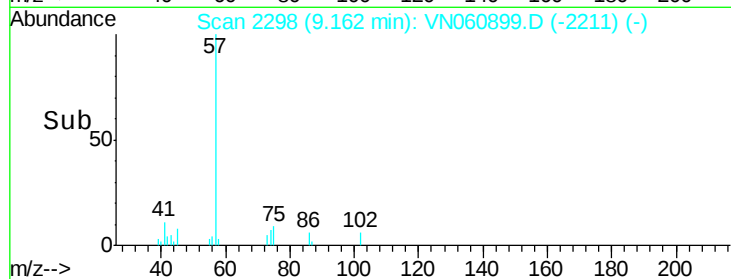
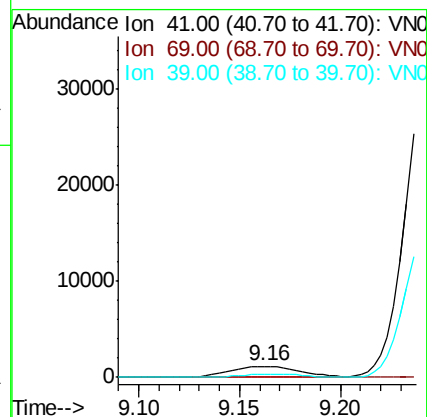
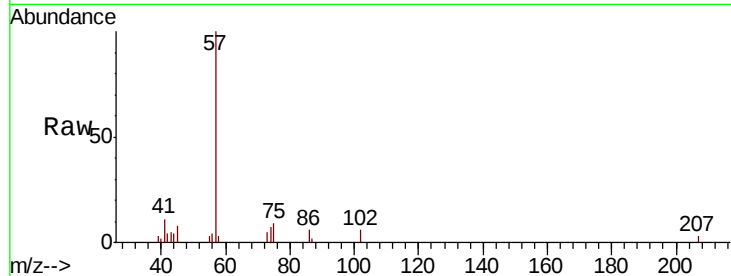




#48
Methvl methacrylate
Concen: 1.120 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN060899.D
Acq: 8 Apr 2020 14:32

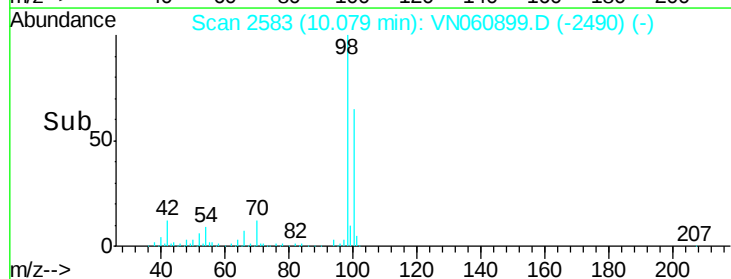
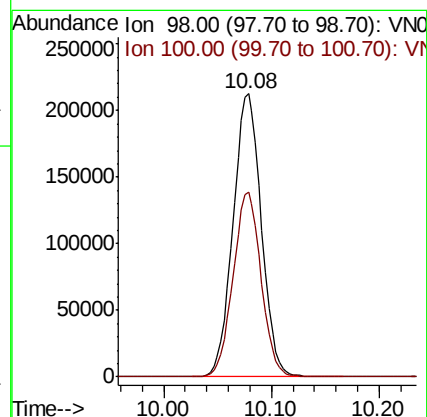
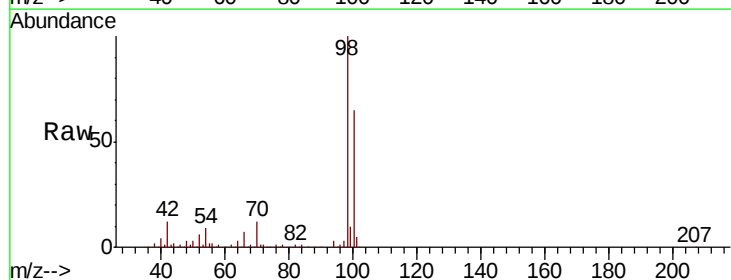
Instrument :
MSVOA_N
ClientSampleId :

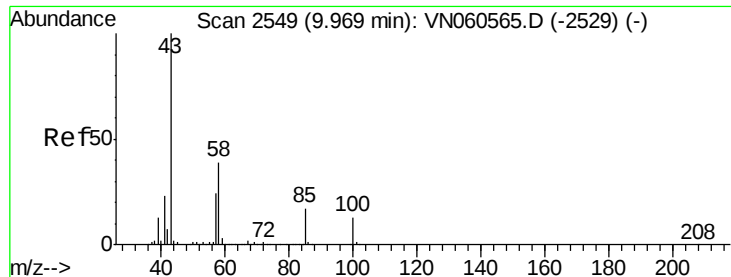
Tot Ion: 41 Resp: 2706
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#



#50
Toluene-d8
Concen: 50.033 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060899.D
Acq: 8 Apr 2020 14:32

Tgt Ion: 98 Resp: 388462
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 1.407 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060899.D

Acq: 8 Apr 2020 14:32

Instrument :

MSVOA_N

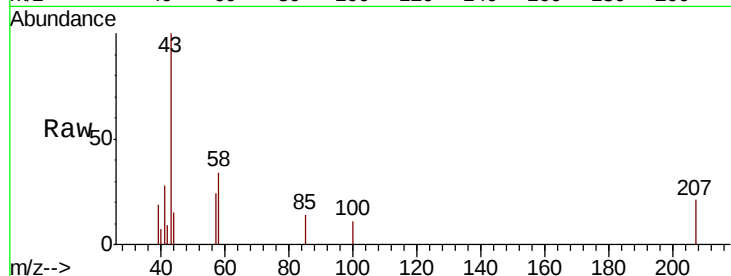
ClientSampled :

Tot Ion: 43 Resp: 4342

Ion Ratio Lower Upper

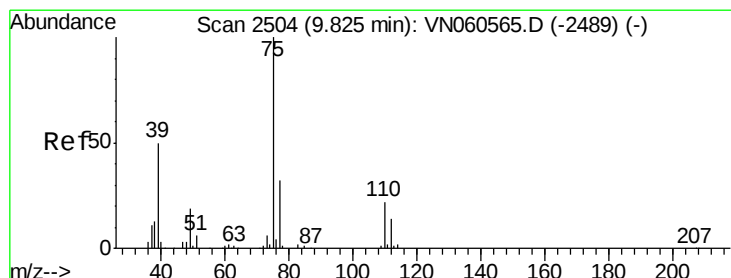
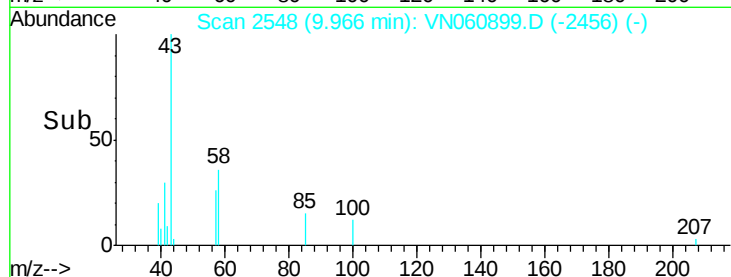
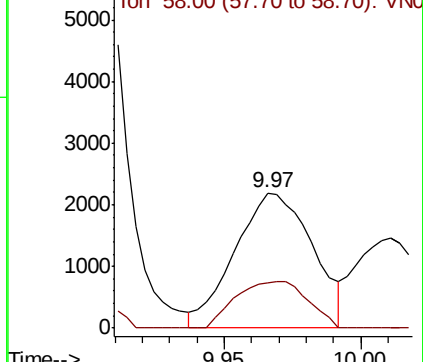
43 100

58 31.9 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060899.D (-2456) (-)

Ion 58.00 (57.70 to 58.70): VN060899.D (-2456) (-)



#54

cis-1,3-Dichloropropene

Concen: 6.510 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060899.D

Acq: 8 Apr 2020 14:32

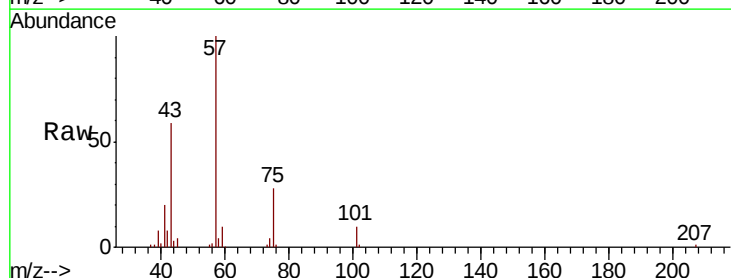
Tgt Ion: 75 Resp: 24989

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

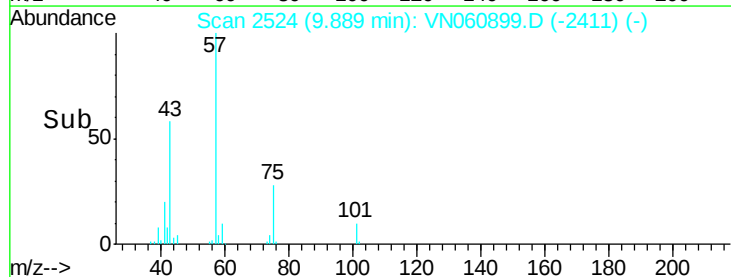
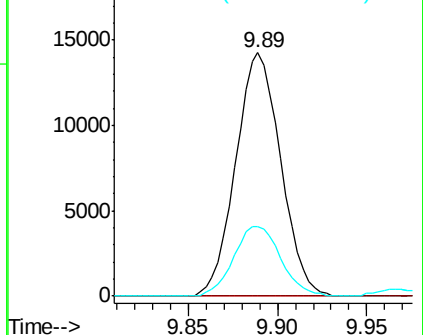
39 28.5 40.2 60.4#

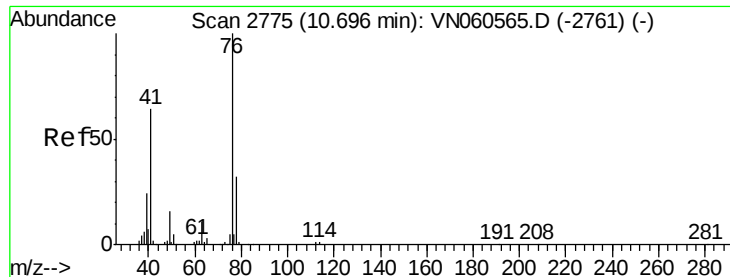


Abundance Ion 74.90 (74.60 to 75.60): VN060899.D (-2411) (-)

Ion 76.90 (76.60 to 77.60): VN060899.D (-2411) (-)

Ion 39.00 (38.70 to 39.70): VN060899.D (-2411) (-)

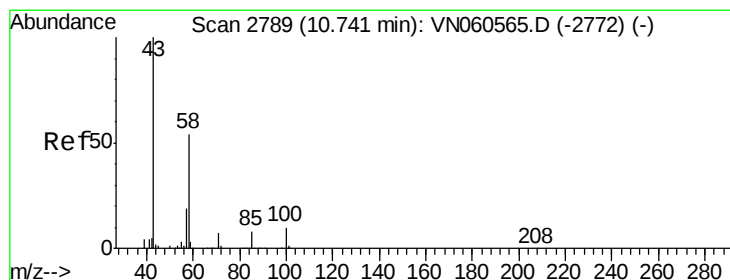
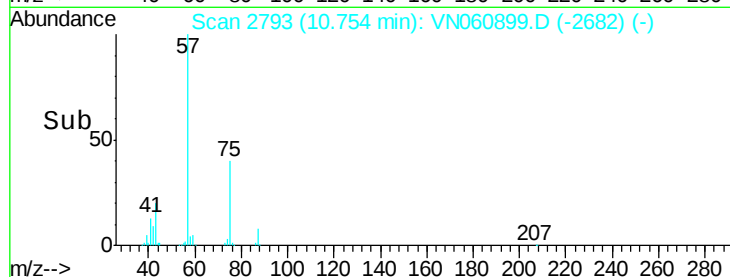
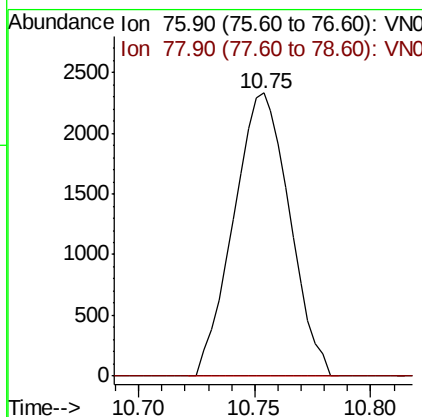
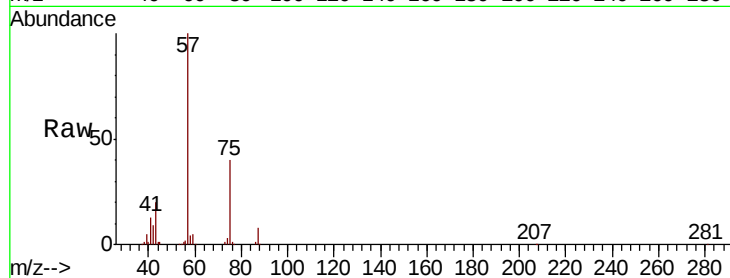




#57
 1,3-Dichloropropane
 Concen: 1.055 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060899.D
 Acq: 8 Apr 2020 14:32

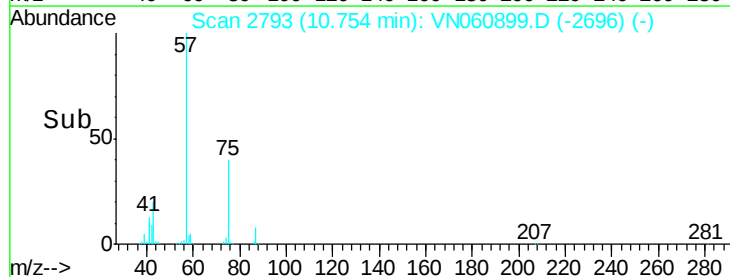
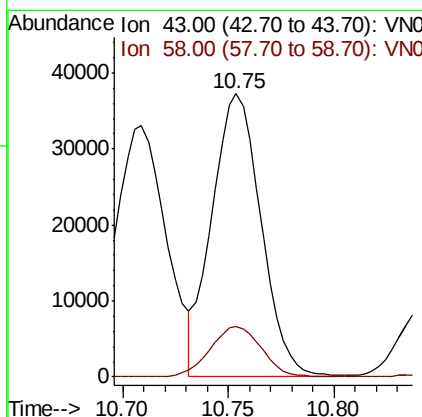
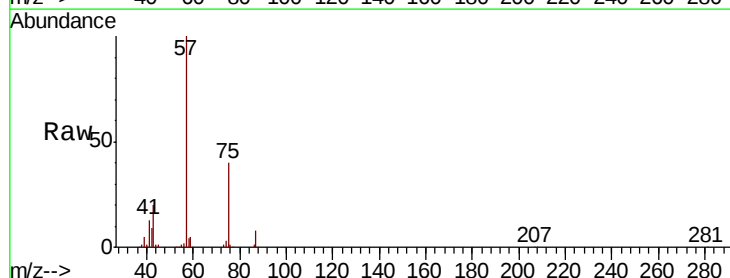
Instrument :
 MSVOA_N
 ClientSampled :

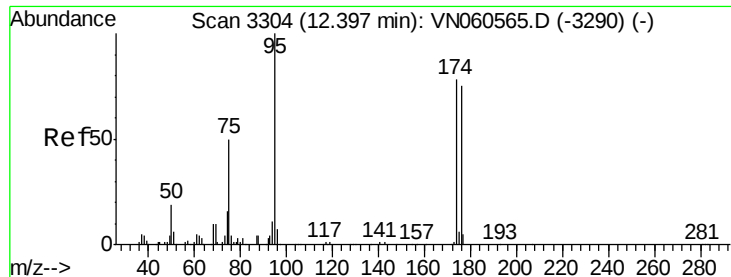
Tot Ion: 76 Resp: 3907
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#



#59
 2-Hexanone
 Concen: 26.959 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060899.D
 Acq: 8 Apr 2020 14:32

Tgt Ion: 43 Resp: 59944
 Ion Ratio Lower Upper
 43 100
 58 18.7 26.7 80.1#





#62

4-Bromofluorobenzene

Concen: 49.646 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060899.D

Acq: 8 Apr 2020 14:32

Instrument :

MSVOA_N

ClientSampleId :

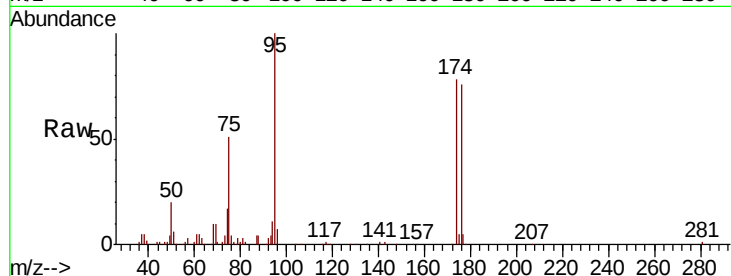
Tot Ion: 95 Resp: 141264

Ion Ratio Lower Upper

95 100

174 78.1 0.0 157.6

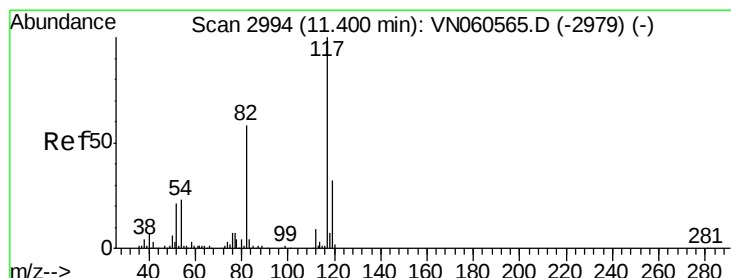
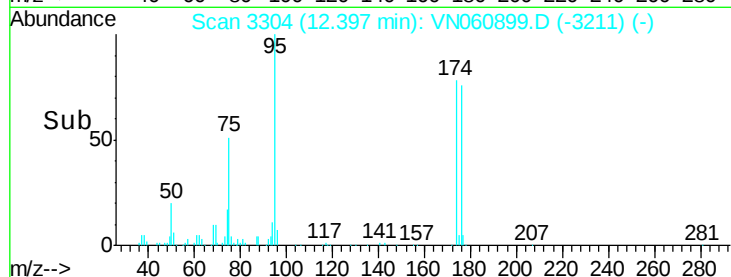
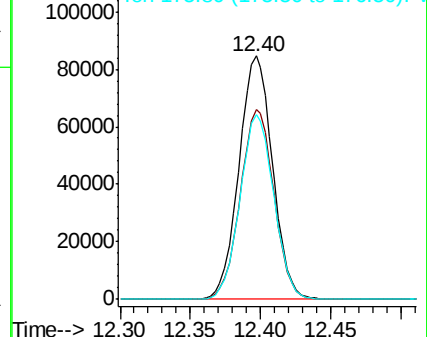
176 76.3 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060899.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060899.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060899.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060899.D

Acq: 8 Apr 2020 14:32

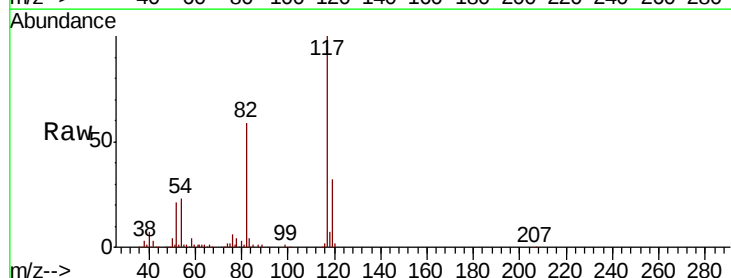
Tgt Ion: 117 Resp: 292260

Ion Ratio Lower Upper

117 100

82 58.9 46.7 70.1

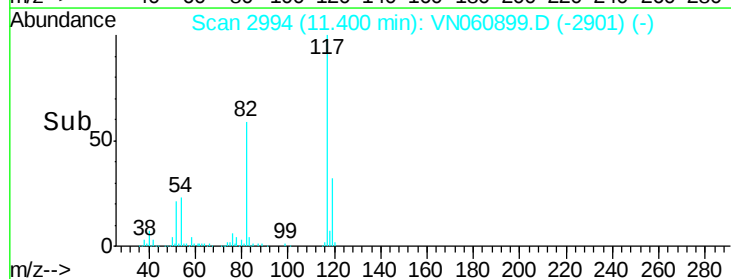
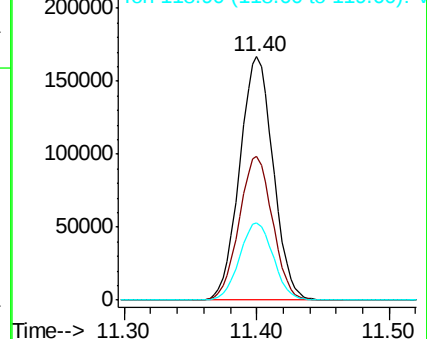
119 31.7 25.5 38.3

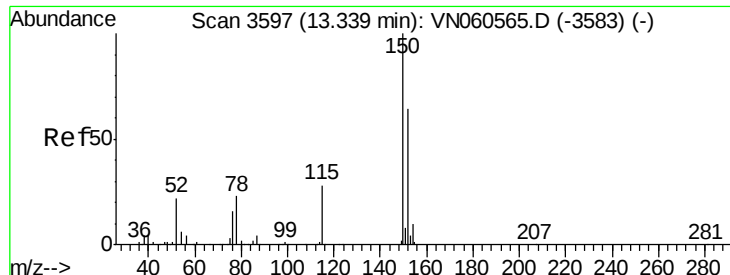


Abundance Ion 116.90 (116.60 to 117.60): VN060899.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060899.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060899.D (-2901) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060899.D

Acq: 8 Apr 2020 14:32

Instrument :

MSVOA_N

ClientSampleId :

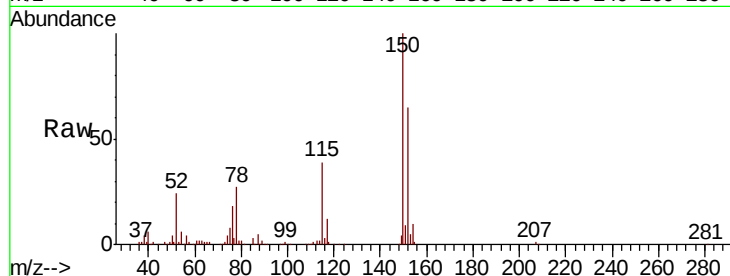
Tot Ion:152 Resp: 126757

Ion Ratio Lower Upper

152 100

115 59.9 30.2 90.6

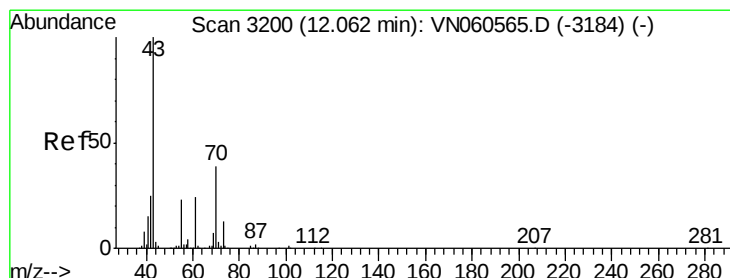
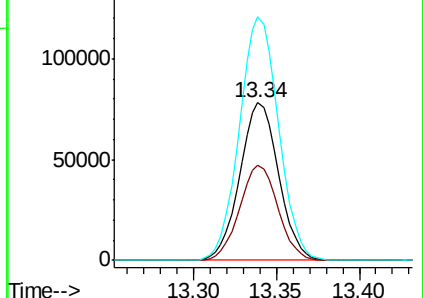
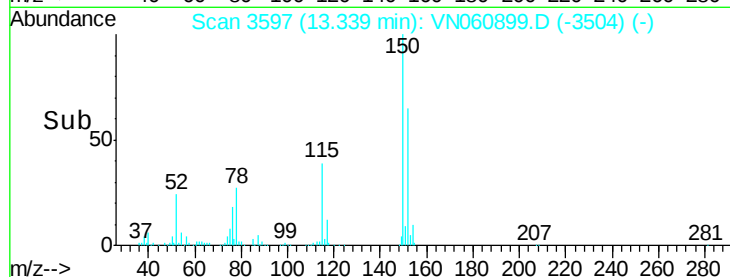
150 156.5 0.0 350.2



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-ethyl acetate

Concen: 0.539 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060899.D

Acq: 8 Apr 2020 14:32

Tgt Ion: 43 Resp: 2370

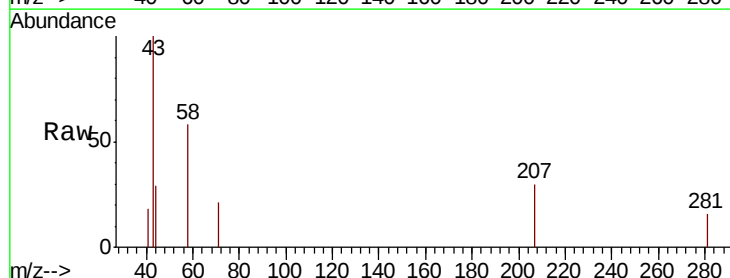
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

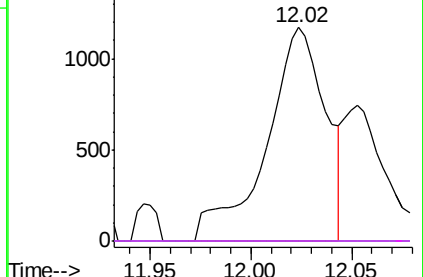
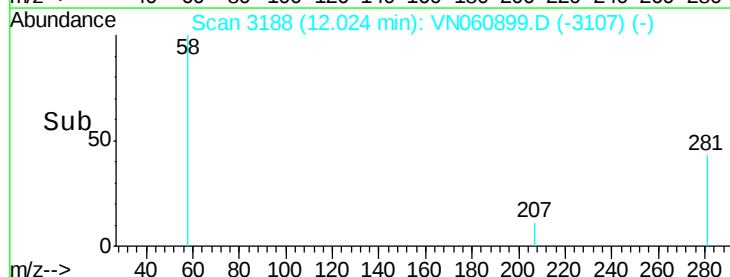


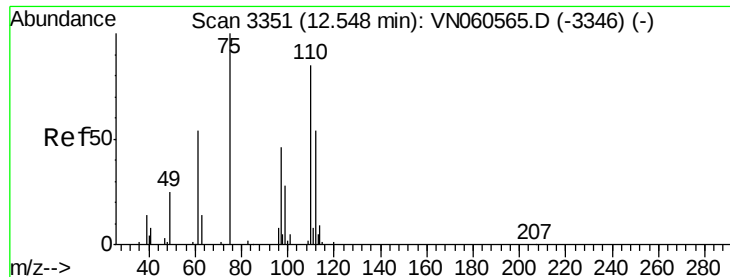
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 25.990 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060899.D

Acq: 8 Apr 2020 14:32

Instrument :

MSVOA_N

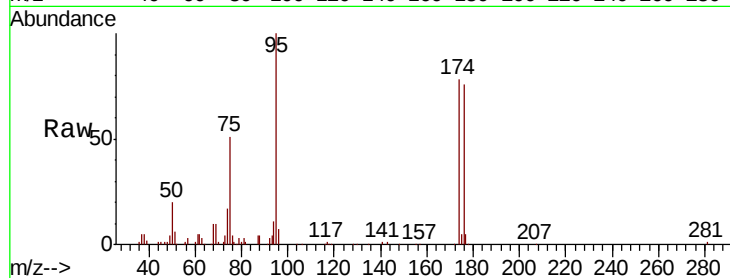
ClientSampleId :

Tot Ion: 75 Resp: 71087

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060899.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060899.D (-3258) (-)

12.40

40000

30000

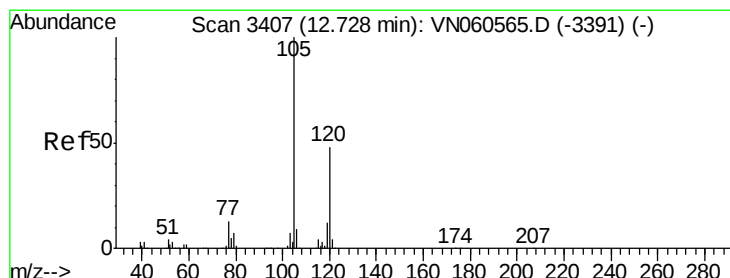
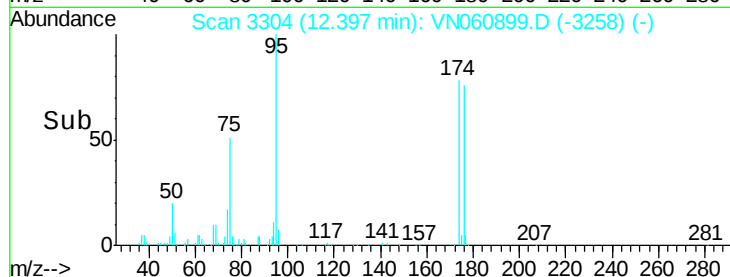
20000

10000

0

12.35 12.40 12.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.416 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060899.D

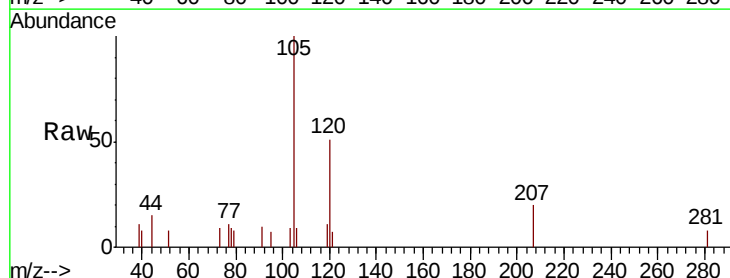
Acq: 8 Apr 2020 14:32

Tgt Ion: 105 Resp: 3360

Ion Ratio Lower Upper

105 100

120 44.9 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060899.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060899.D (-3314) (-)

12.73

2500

2000

1500

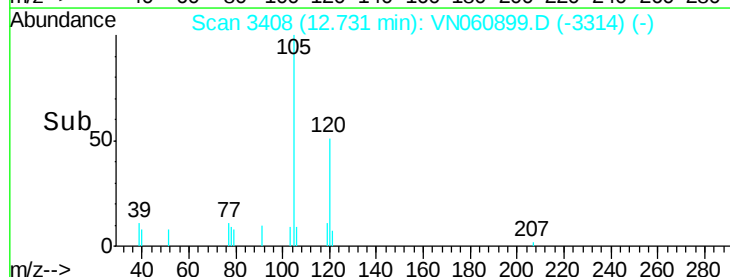
1000

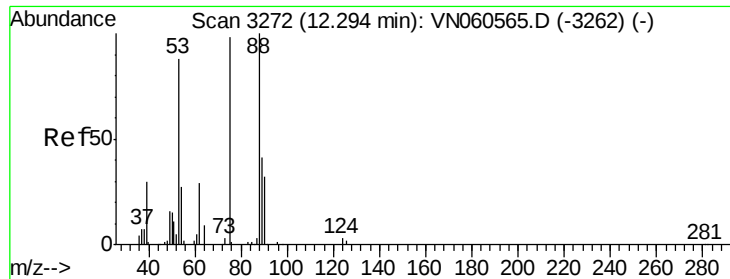
500

0

12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 66.750 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060899.D

Acq: 8 Apr 2020 14:32

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 71087

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

