

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032420\
 Data File : VN060669.D
 Acq On : 24 Mar 2020 14:05
 Operator : JC/MD
 Sample : L2023-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 25 03:52:01 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	202365	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	336568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	314840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143379	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	131684	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	
35) Dibromofluoromethane	7.56	113	99090	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
50) Toluene-d8	10.08	98	415634	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.40	95	154964	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	

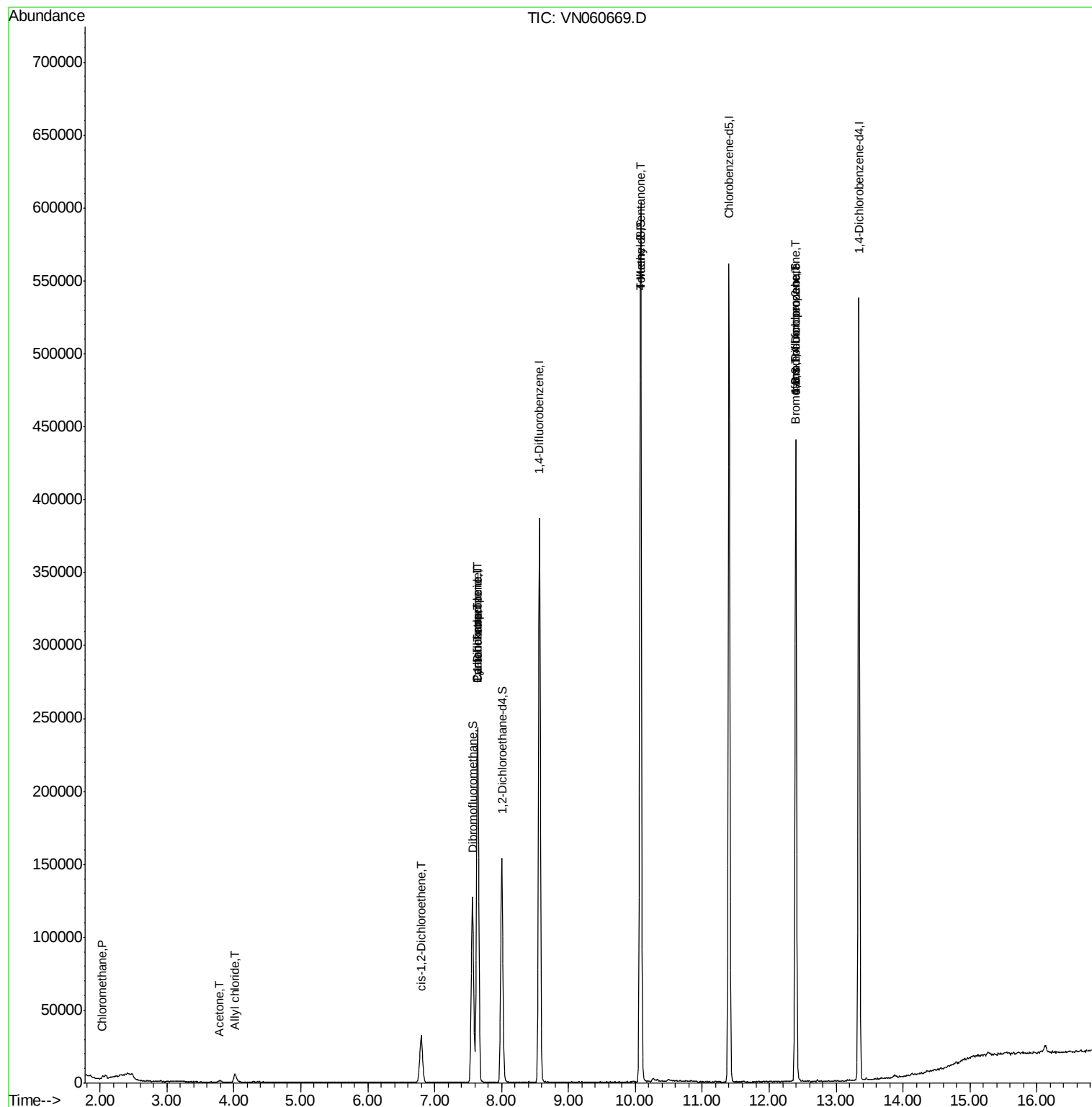
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	906	0.248	ug/l	91
14) Allyl chloride	4.02	41	933	0.242	ug/l #	28
16) Acetone	3.78	43	1885	1.916	ug/l	94
27) cis-1,2-Dichloroethene	6.80	96	21500	8.102	ug/l	88
31) Cyclohexane	7.64	56	4102	0.917	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15665	4.807	ug/l #	50
38) Carbon Tetrachloride	7.64	117	19550	6.693	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	1959	0.593	ug/l #	1
71) Bromoform	12.38	173	67	1.715	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	78800	25.470	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	78800	65.415	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.44	75	29	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: VN060669.D

Acq: 24 Mar 2020 14:05

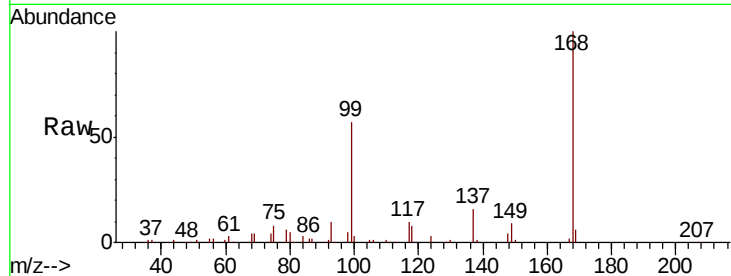
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 202365

Ion Ratio Lower Upper

168 100

99 57.4 44.0 66.0



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

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

7.64

80000

60000

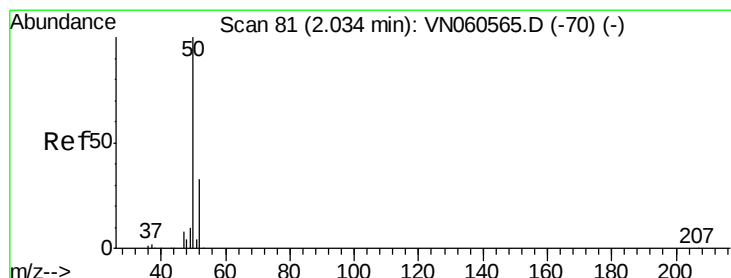
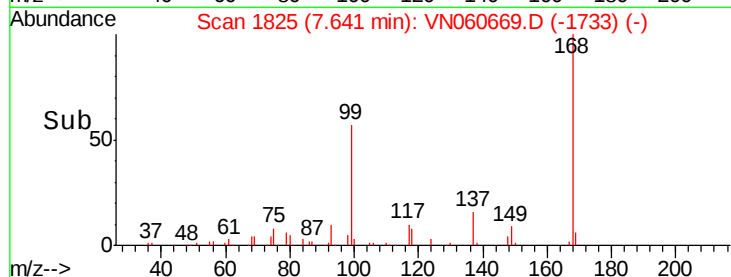
40000

20000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: 0.248 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060669.D

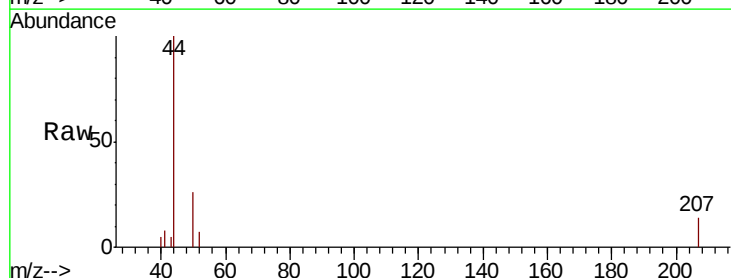
Acq: 24 Mar 2020 14:05

Tgt Ion: 50 Resp: 906

Ion Ratio Lower Upper

50 100

52 27.5 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VN060565.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN060565.D (-70) (-)

2.04

800

600

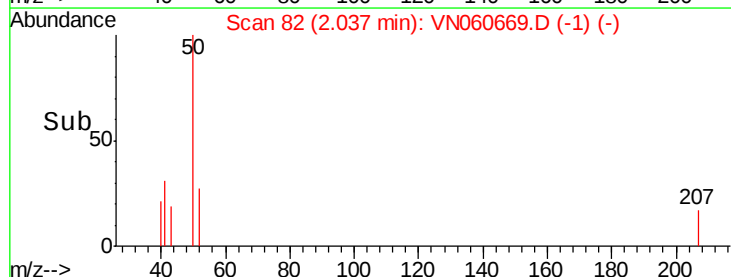
400

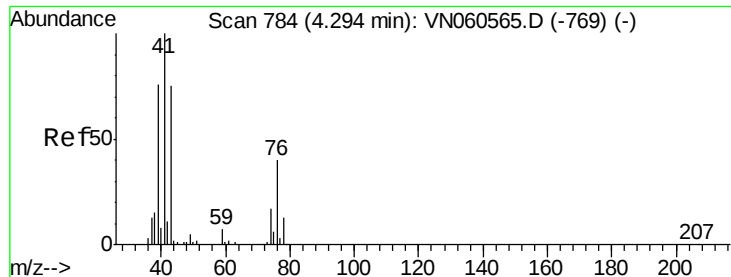
200

0

2.00 2.02 2.04 2.06

Time-->

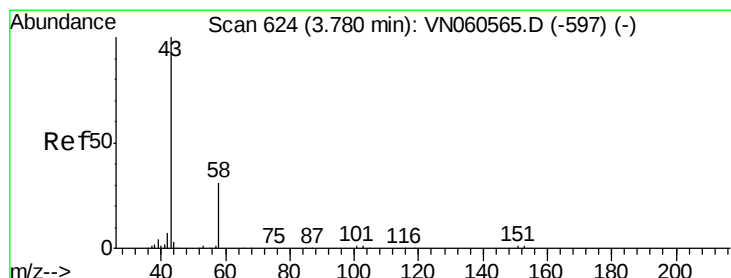
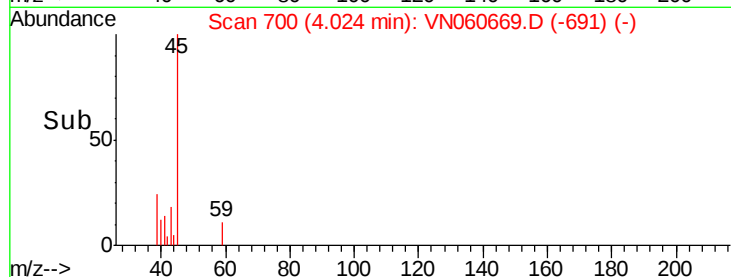
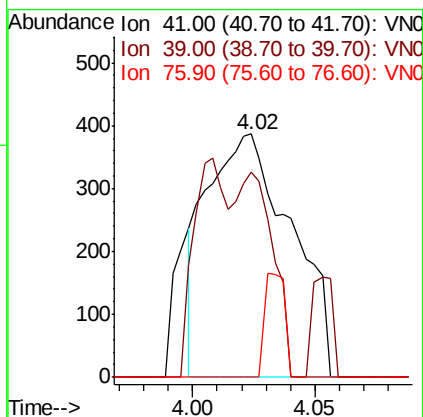
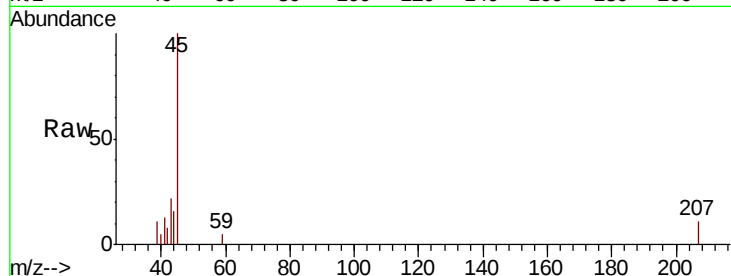




#14
Allv1 chloride
Concen: 0.242 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.27 min
Lab File: VN060669.D
Acq: 24 Mar 2020 14:05

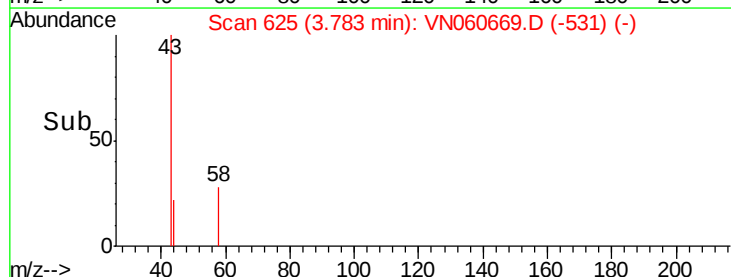
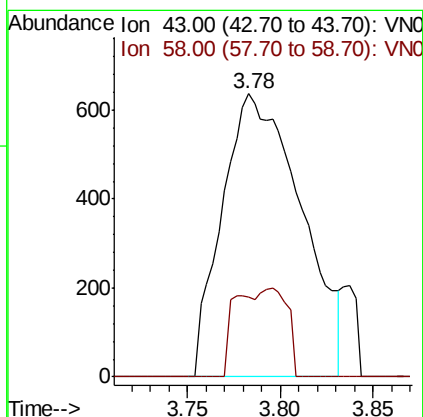
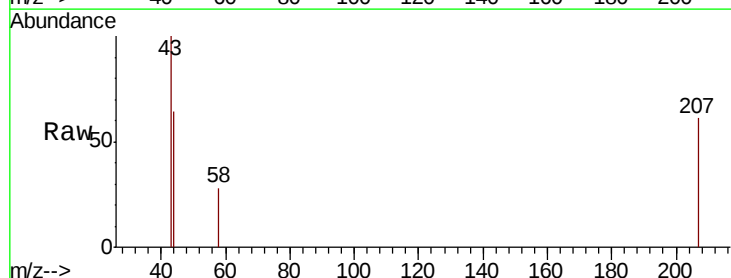
Instrument :
MSVOA_N
ClientSampled :

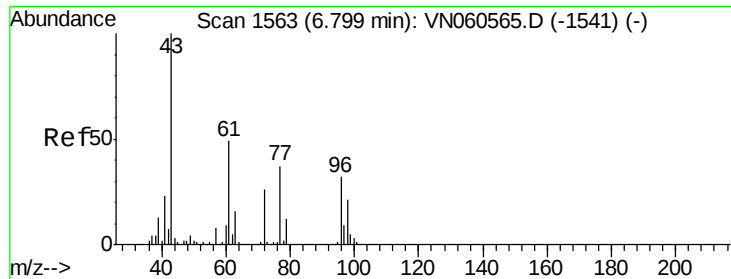
Tot Ion: 41 Resp: 933
Ion Ratio Lower Upper
41 100
39 0.0 57.8 86.8#
76 10.1 28.6 43.0#



#16
Acetone
Concen: 1.916 ug/l
RT: 3.78 min Scan# 625
Delta R.T. 0.00 min
Lab File: VN060669.D
Acq: 24 Mar 2020 14:05

Tgt Ion: 43 Resp: 1885
Ion Ratio Lower Upper
43 100
58 28.1 25.1 37.7





#27

cis-1,2-Dichloroethene

Concen: 8.102 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060669.D

Acq: 24 Mar 2020 14:05

Instrument :

MSVOA_N

ClientSampleId :

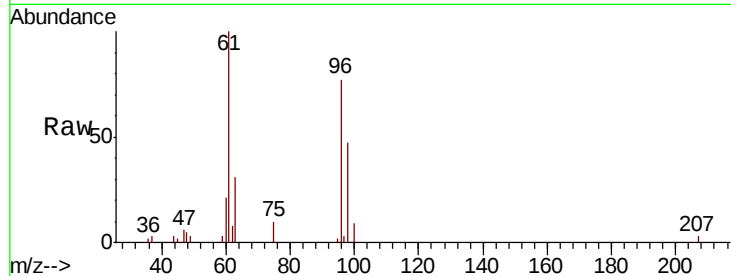
Tot Ion: 96 Resp: 21500

Ion Ratio Lower Upper

96 100

61 134.0 0.0 305.6

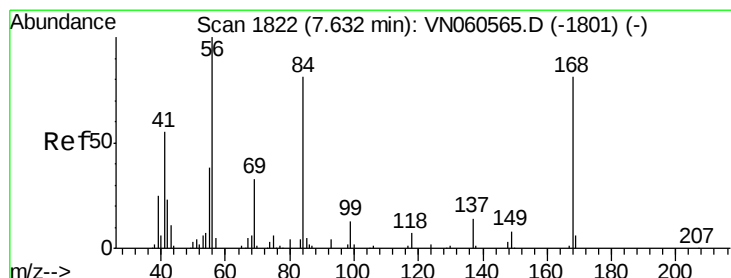
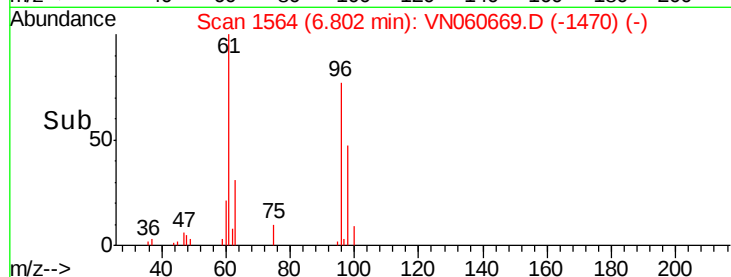
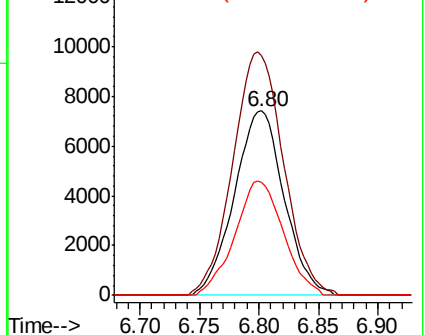
98 60.4 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VN060565.D (-1541) (-)

Ion 60.90 (60.60 to 61.60): VN060565.D (-1541) (-)

Ion 97.90 (97.60 to 98.60): VN060565.D (-1541) (-)



#31

Cyclohexane

Concen: 0.917 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060669.D

Acq: 24 Mar 2020 14:05

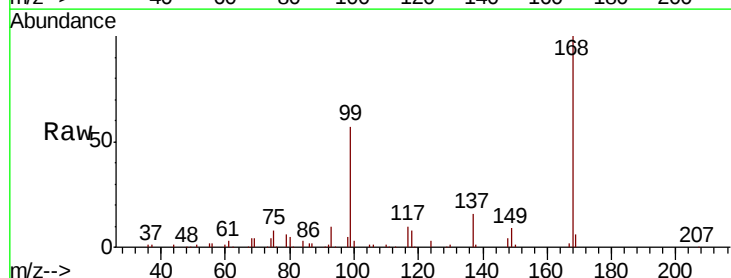
Tgt Ion: 56 Resp: 4102

Ion Ratio Lower Upper

56 100

69 196.2 26.6 40.0#

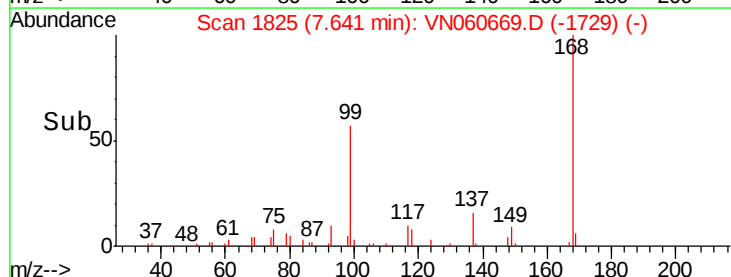
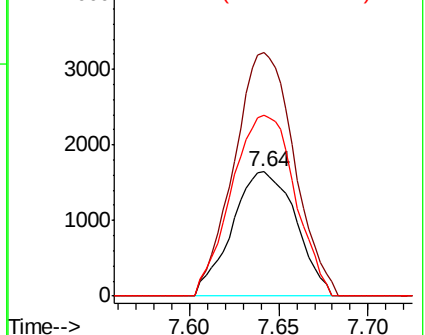
84 145.8 64.3 96.5#

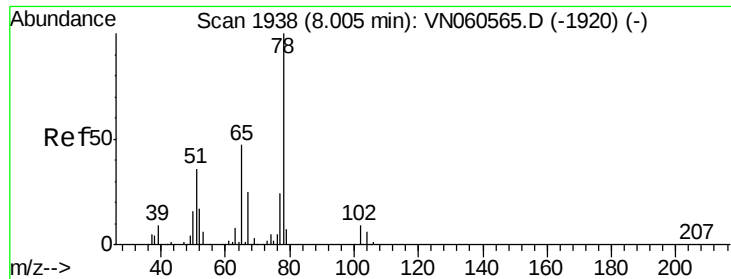


Abundance Ion 56.00 (55.70 to 56.70): VN060565.D (-1801) (-)

Ion 69.00 (68.70 to 69.70): VN060565.D (-1801) (-)

Ion 84.00 (83.70 to 84.70): VN060565.D (-1801) (-)





#33

1,2-Dichloroethane-d4

Concen: 47.402 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060669.D

Acq: 24 Mar 2020 14:05

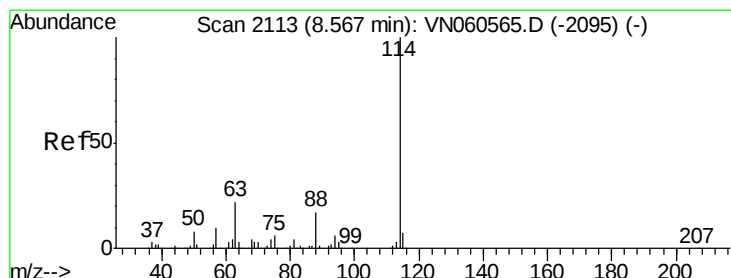
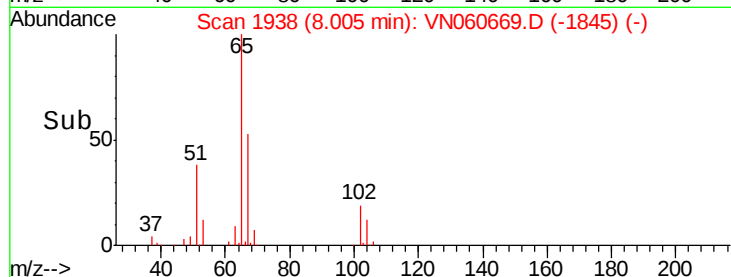
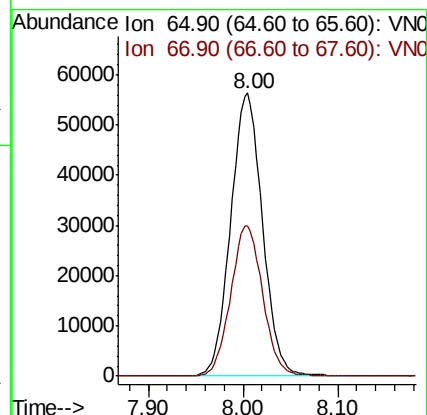
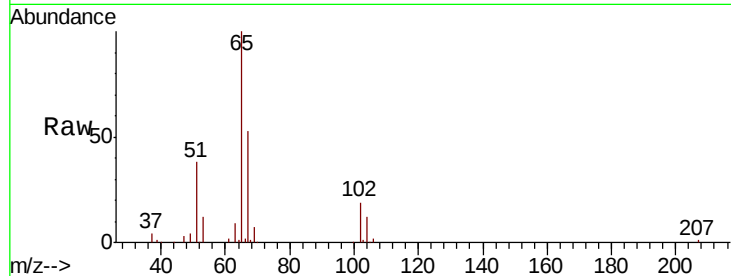
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 131684

Ion Ratio Lower Upper

65 100

67 53.4 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: VN060669.D

Acq: 24 Mar 2020 14:05

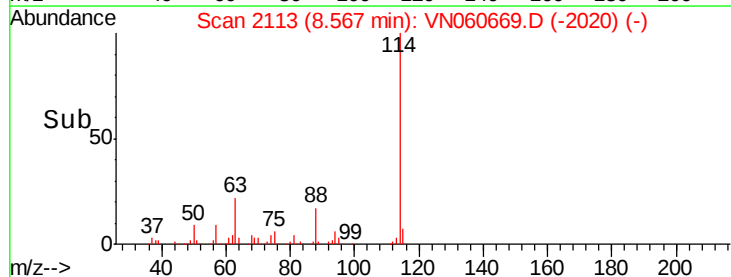
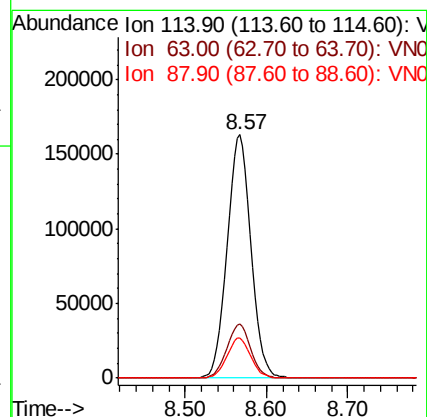
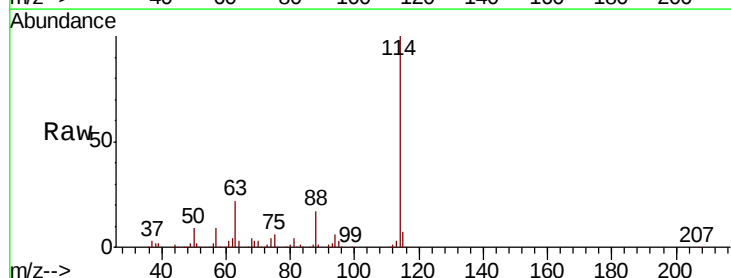
Tgt Ion: 114 Resp: 336568

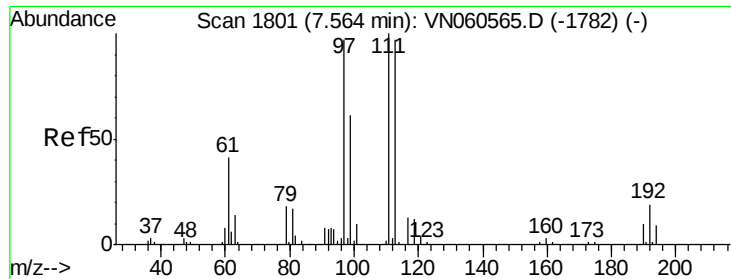
Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.8

88 16.5 0.0 33.0

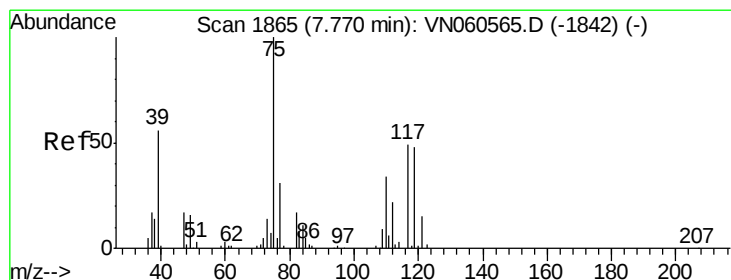
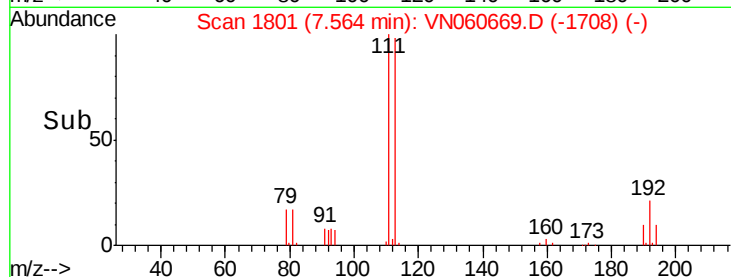
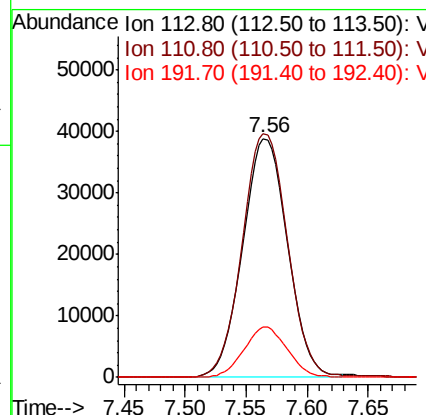
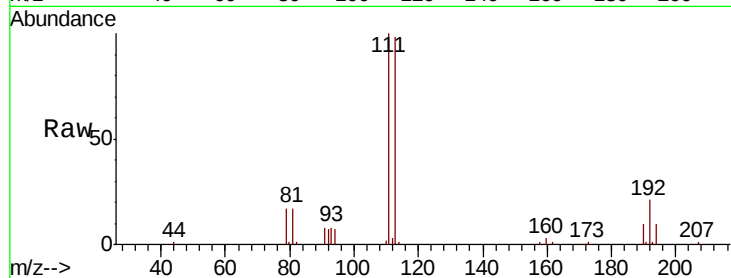




#35
Dibromofluoromethane
Concen: 48.690 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060669.D
Acq: 24 Mar 2020 14:05

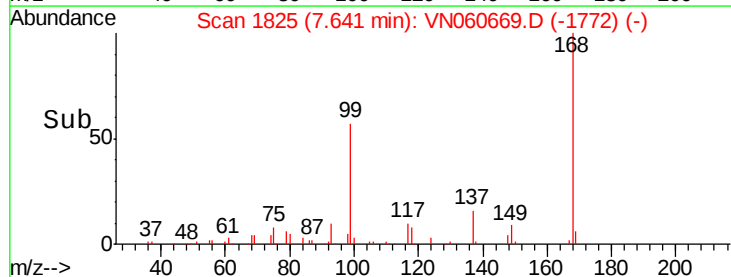
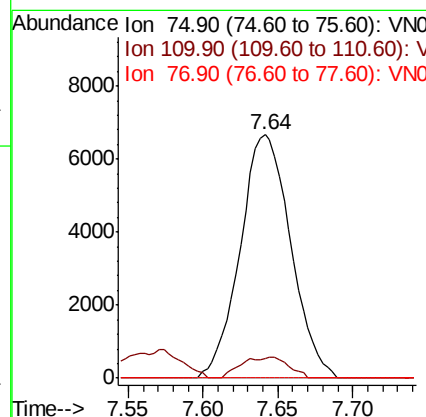
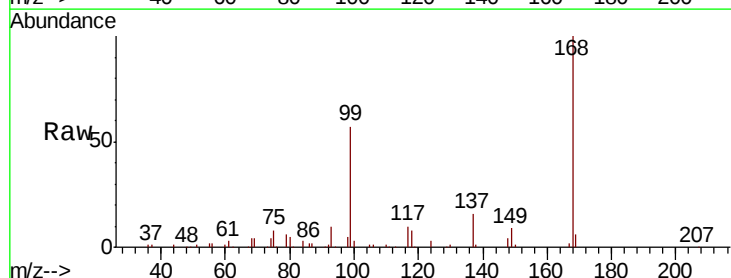
Instrument :
MSVOA_N
ClientSampled :

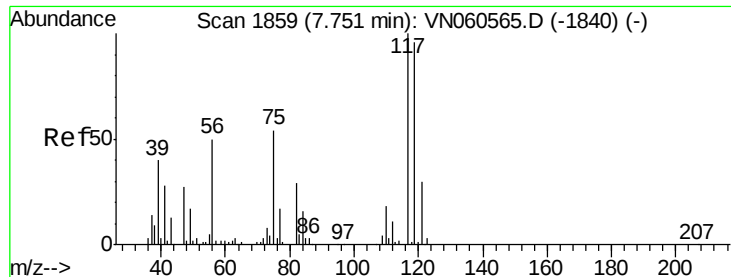
Tot Ion:113 Resp: 99090
Ion Ratio Lower Upper
113 100
111 103.5 82.9 124.3
192 20.2 15.8 23.8



#36
1,1-Dichloropropene
Concen: 4.807 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.13 min
Lab File: VN060669.D
Acq: 24 Mar 2020 14:05

Tgt Ion: 75 Resp: 15665
Ion Ratio Lower Upper
75 100
110 8.1 16.9 50.6#
77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.693 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060669.D

Acq: 24 Mar 2020 14:05

Instrument :

MSVOA_N

ClientSampleId :

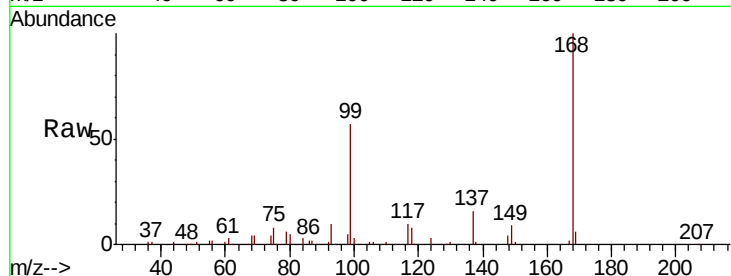
Tot Ion:117 Resp: 19550

Ion Ratio Lower Upper

117 100

119 4.8 76.2 114.2#

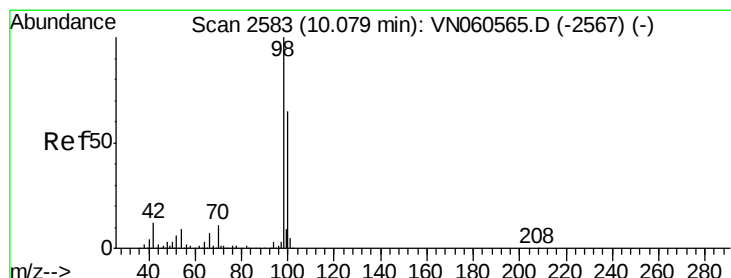
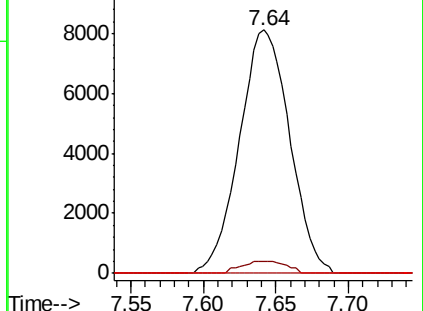
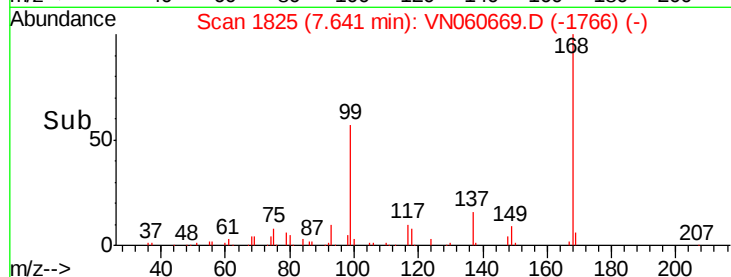
121 0.0 23.7 35.5#



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



#50

Toluene-d8

Concen: 50.000 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060669.D

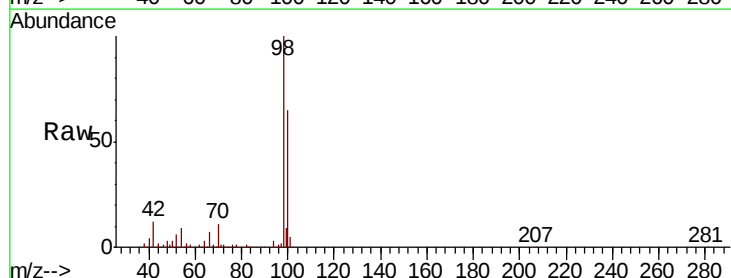
Acq: 24 Mar 2020 14:05

Tgt Ion: 98 Resp: 415634

Ion Ratio Lower Upper

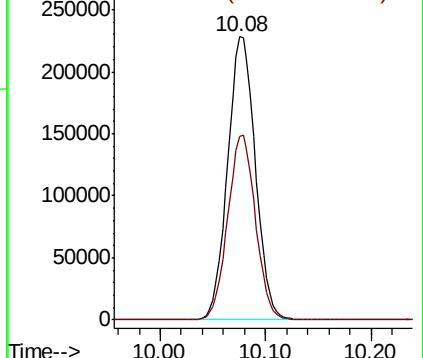
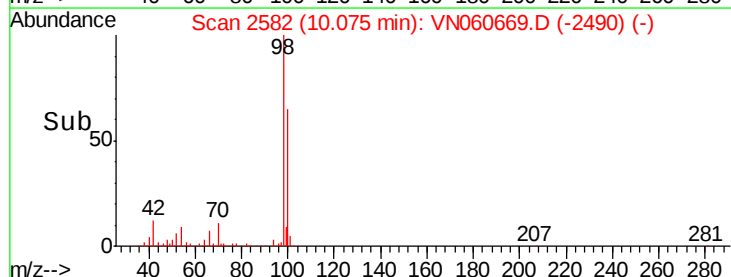
98 100

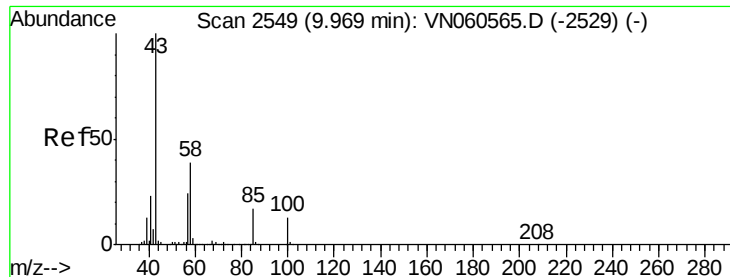
100 65.2 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.593 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.11 min

Lab File: VN060669.D

Acq: 24 Mar 2020 14:05

Instrument :

MSVOA_N

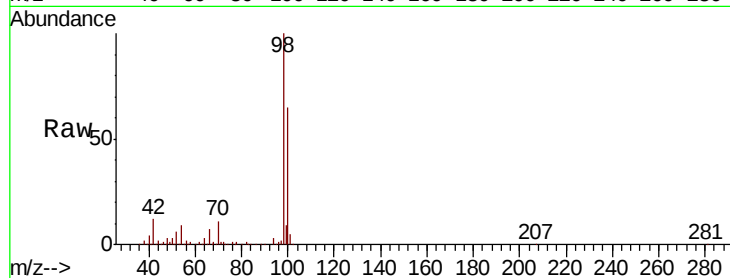
ClientSampleId :

Tot Ion: 43 Resp: 1959

Ion Ratio Lower Upper

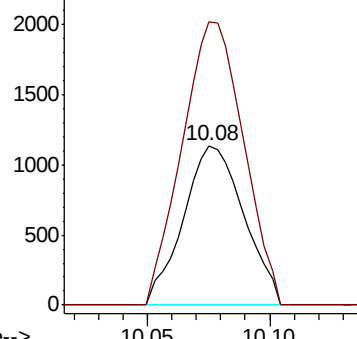
43 100

58 180.0 30.8 46.2#

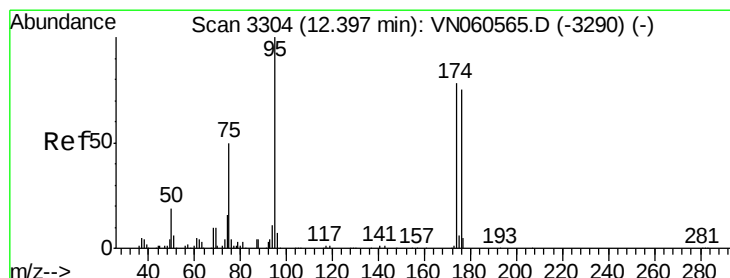
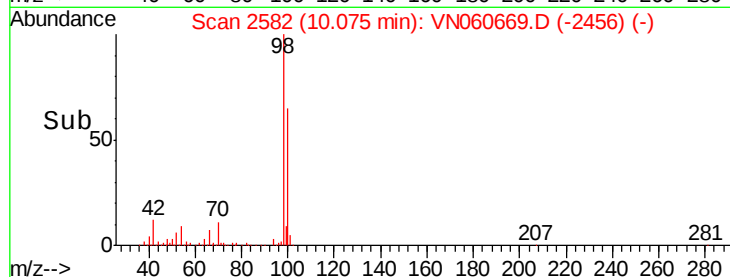


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#62

4-Bromofluorobenzene

Concen: 50.867 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060669.D

Acq: 24 Mar 2020 14:05

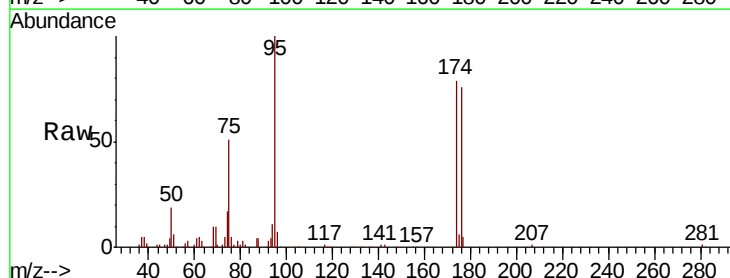
Tgt Ion: 95 Resp: 154964

Ion Ratio Lower Upper

95 100

174 78.6 0.0 157.6

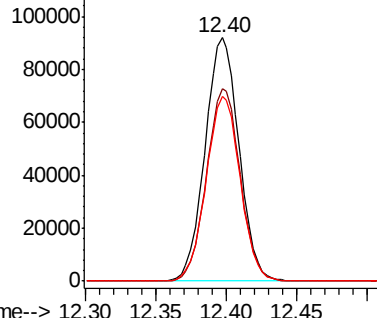
176 75.9 0.0 150.6



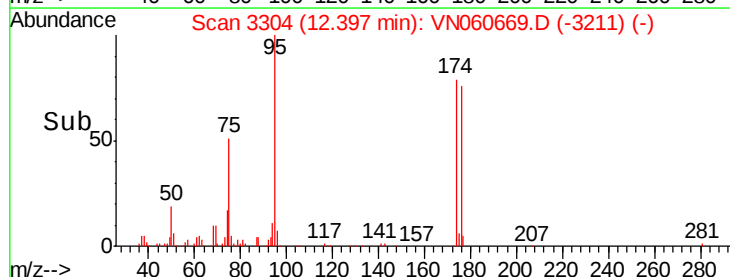
Abundance Ion 94.90 (94.60 to 95.60): VN0

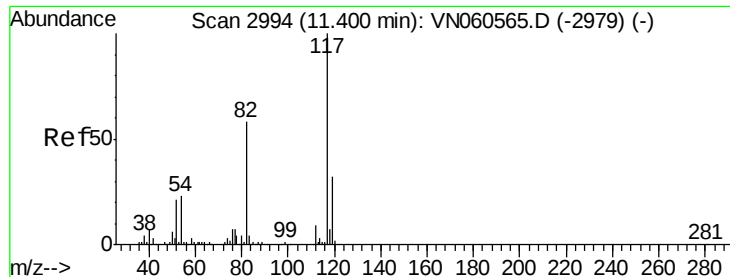
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

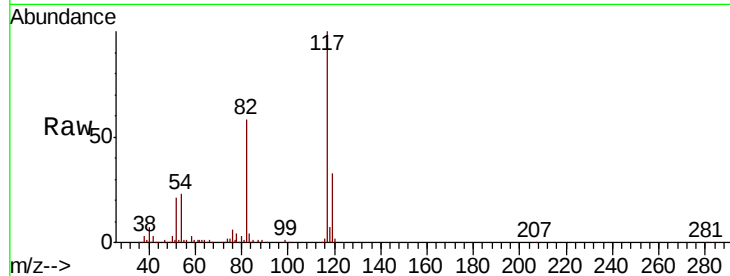




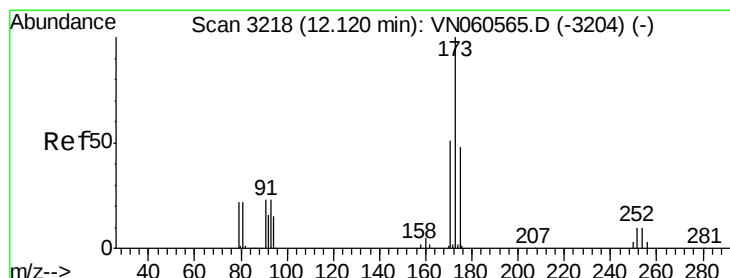
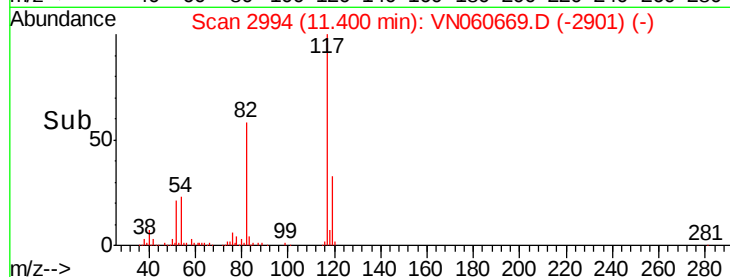
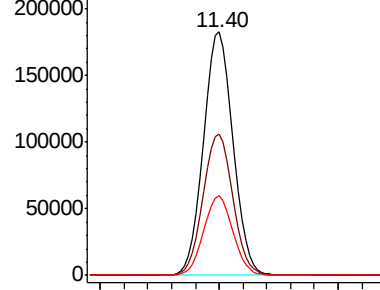
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060669.D
Acq: 24 Mar 2020 14:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 314840
Ion Ratio Lower Upper
117 100
82 58.1 46.7 70.1
119 32.6 25.5 38.3

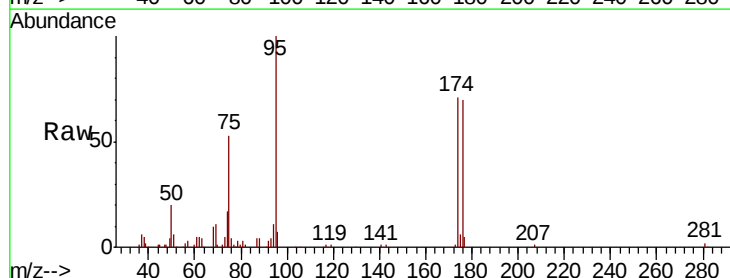


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

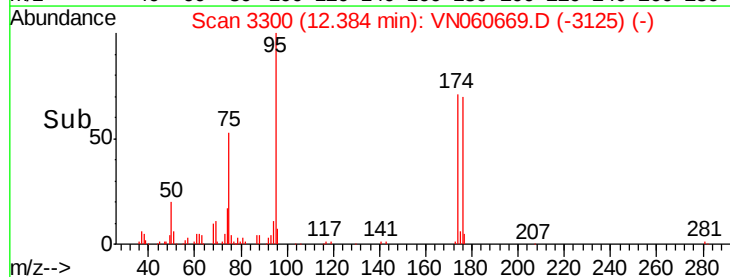
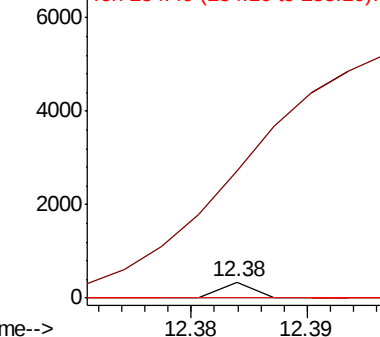


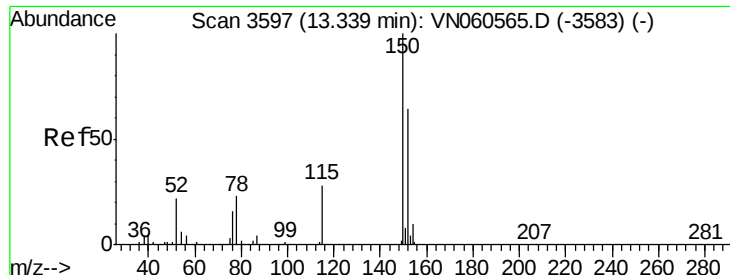
#71
Bromoform
Concen: 1.715 ug/l
RT: 12.38 min Scan# 3300
Delta R.T. 0.26 min
Lab File: VN060669.D
Acq: 24 Mar 2020 14:05

Tgt Ion:173 Resp: 67
Ion Ratio Lower Upper
173 100
175 11122.4 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: VN060669.D

Acq: 24 Mar 2020 14:05

Instrument :

MSVOA_N

ClientSampleId :

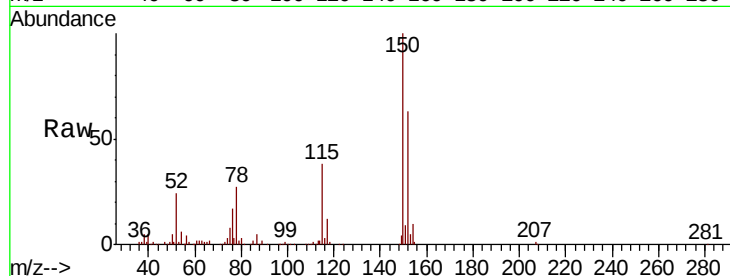
Tot Ion:152 Resp: 143379

Ion Ratio Lower Upper

152 100

115 60.0 30.2 90.6

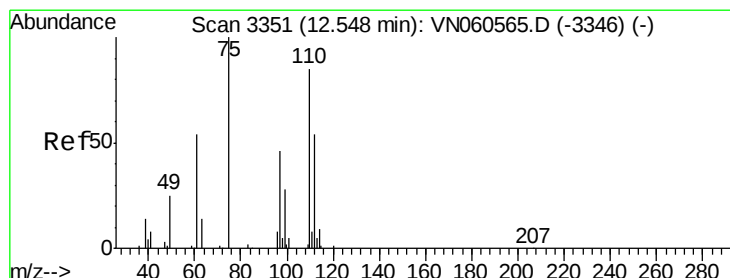
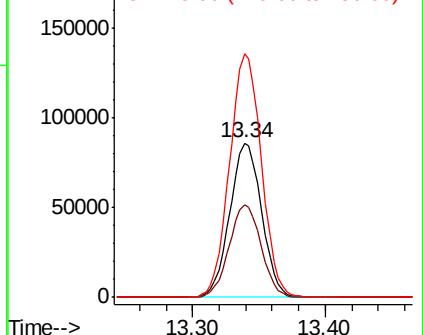
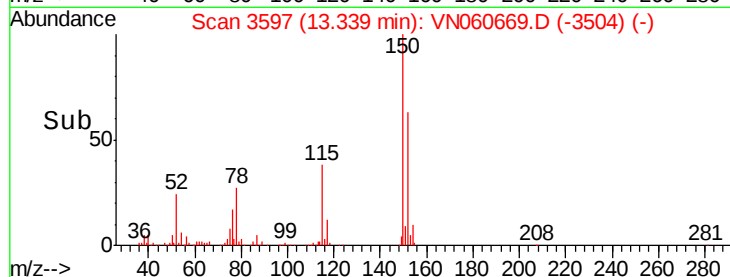
150 157.8 0.0 350.2



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



#76

1,2,3-Trichloropropane

Concen: 25.470 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060669.D

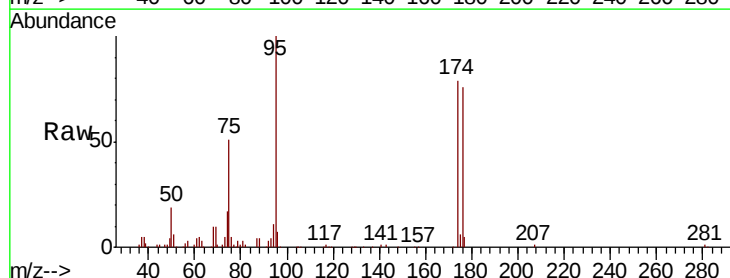
Acq: 24 Mar 2020 14:05

Tgt Ion: 75 Resp: 78800

Ion Ratio Lower Upper

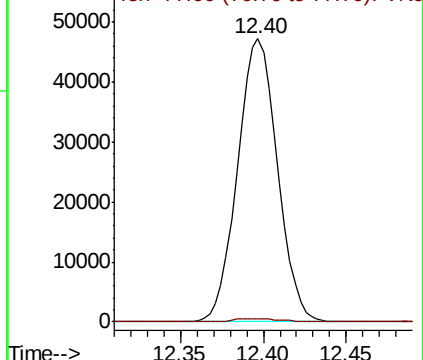
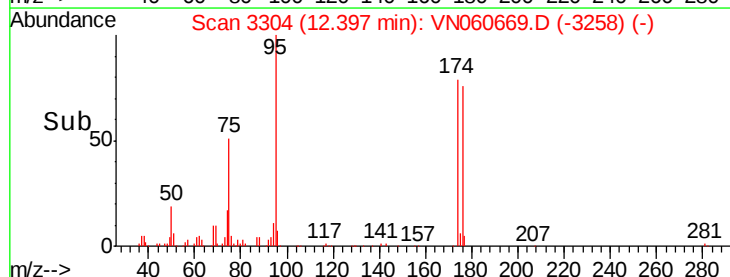
75 100

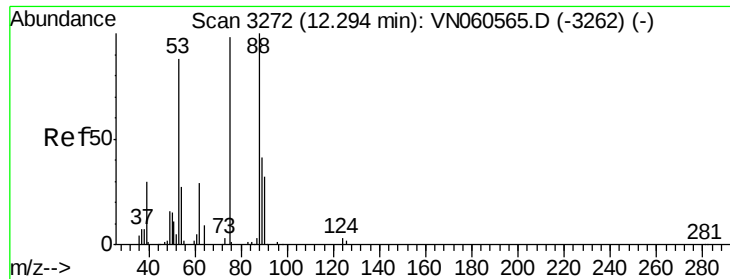
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 65.415 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060669.D

Acq: 24 Mar 2020 14:05

Instrument :

MSVOA_N

ClientSampleId :

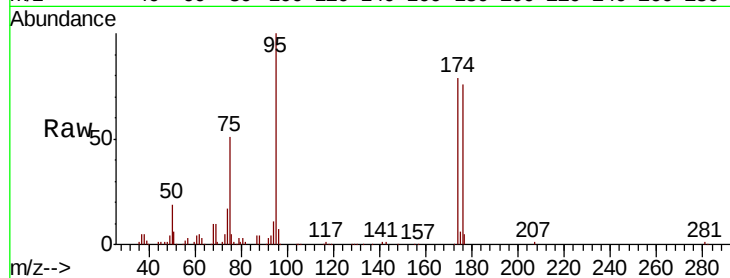
Tot Ion: 75 Resp: 78800

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

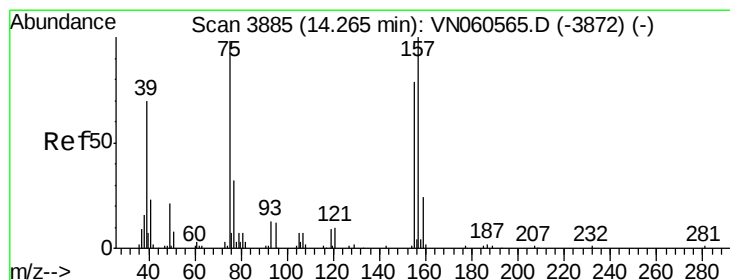
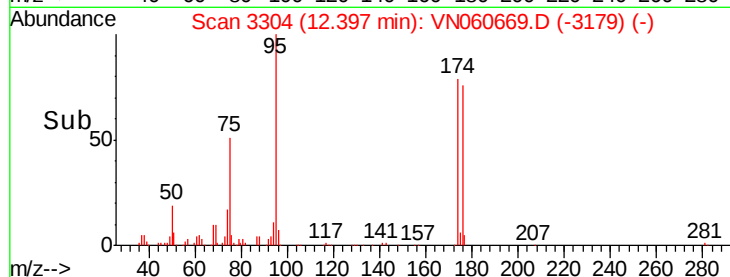
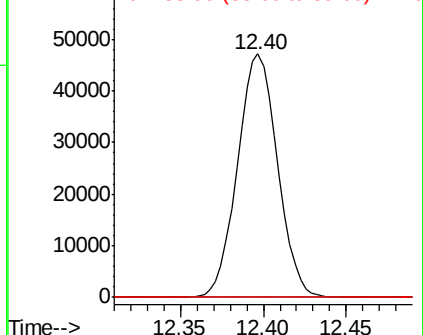
89 0.0 34.8 52.2#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.44 min Scan# 3940

Delta R.T. 0.18 min

Lab File: VN060669.D

Acq: 24 Mar 2020 14:05

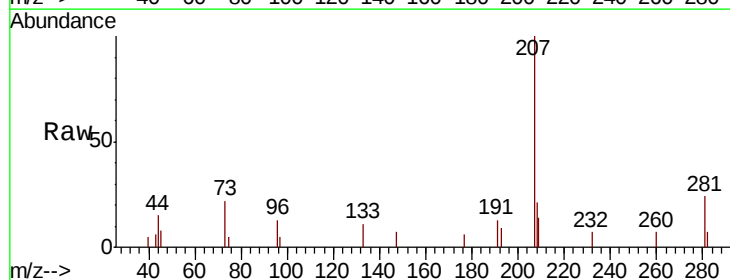
Tgt Ion: 75 Resp: 29

Ion Ratio Lower Upper

75 100

155 0.0 40.7 122.1#

157 0.0 51.5 154.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

