

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032420\
 Data File : VN060668.D
 Acq On : 24 Mar 2020 13:42
 Operator : JC/MD
 Sample : L2023-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 25 03:51:52 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	198729	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	331135	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	304495	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	137713	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	130034	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	
35) Dibromofluoromethane	7.56	113	98096	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
50) Toluene-d8	10.08	98	404803	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	
62) 4-Bromofluorobenzene	12.40	95	149430	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	

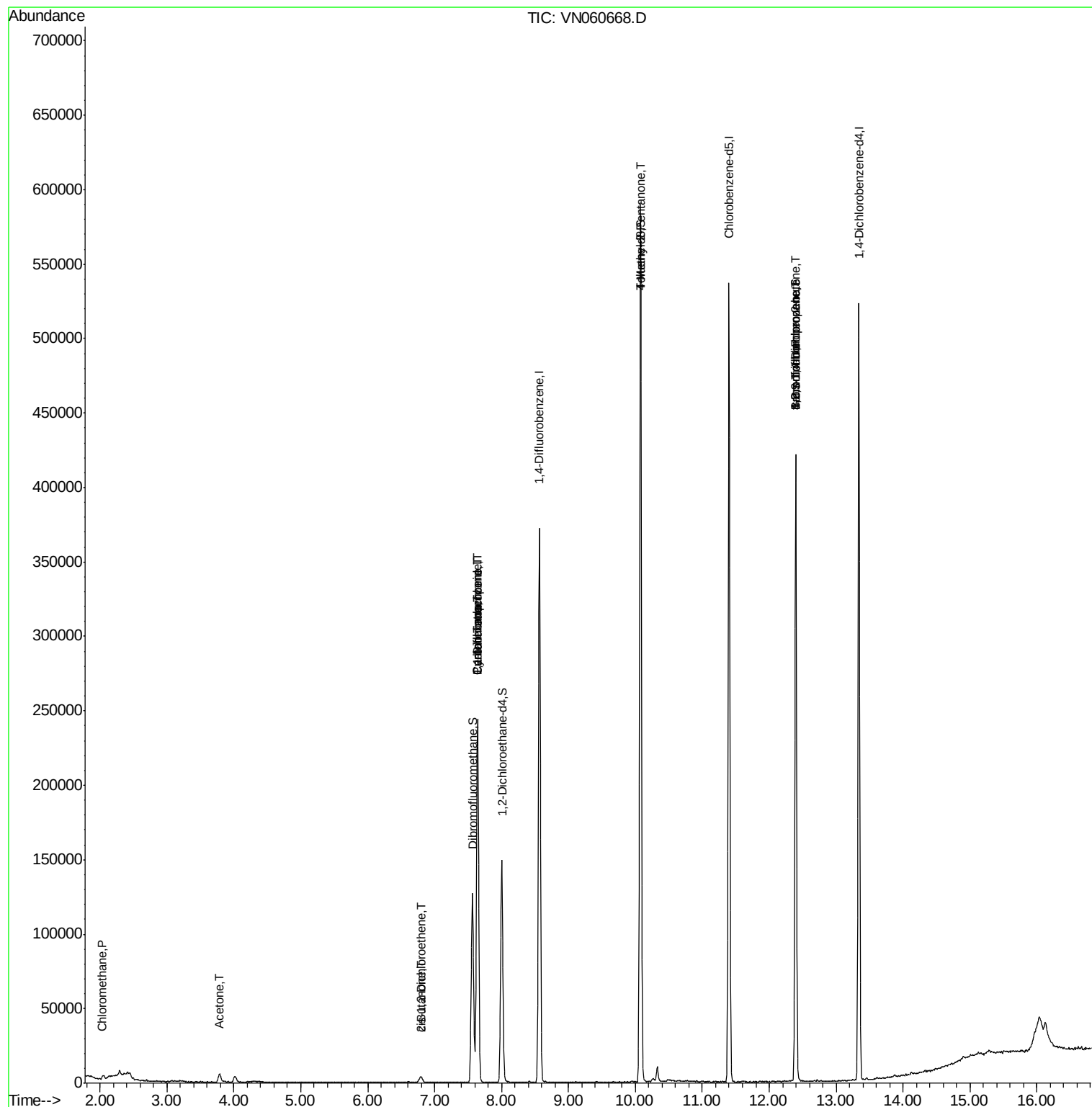
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1520	0.423	ug/l #	80
16) Acetone	3.79	43	10246	10.603	ug/l	97
25) 2-Butanone	6.81	43	419	0.268	ug/l #	50
27) cis-1,2-Dichloroethene	6.80	96	2134	0.819	ug/l	84
31) Cyclohexane	7.64	56	4311	0.981	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15308	4.774	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18765	6.530	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	1958	0.602	ug/l #	1
71) Bromoform	12.40	173	849	2.132	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	75310	25.344	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	75310	65.090	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.34	75	33	Below Cal	#	3

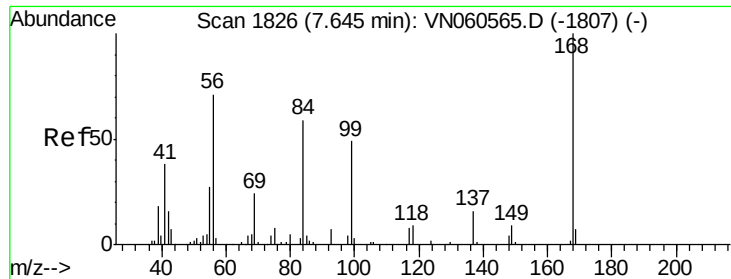
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 18 08:49:09 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060668.D

Acq: 24 Mar 2020 13:42

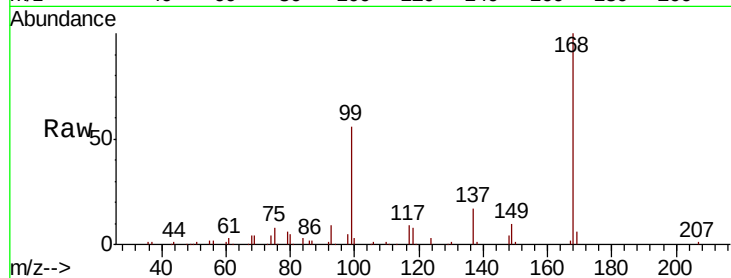
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 198729

Ion Ratio Lower Upper

168 100

99 56.3 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

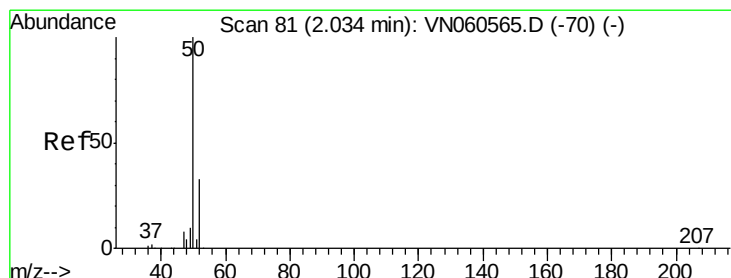
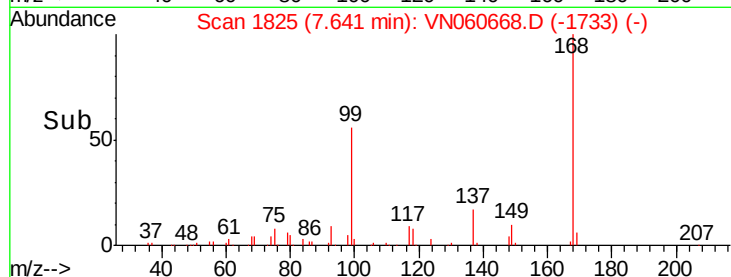
40000

20000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: 0.423 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060668.D

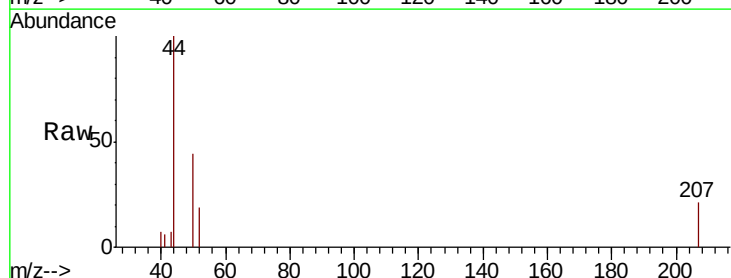
Acq: 24 Mar 2020 13:42

Tgt Ion: 50 Resp: 1520

Ion Ratio Lower Upper

50 100

52 43.9 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

1200

1000

800

600

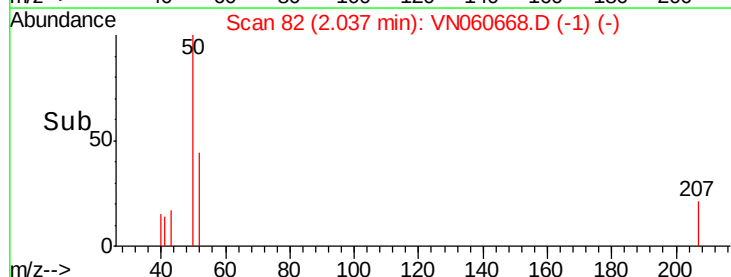
400

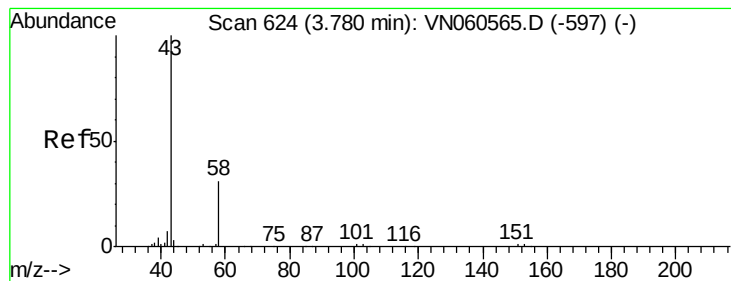
200

0

2.00 2.02 2.04 2.06 2.08

Time-->





#16

Acetone

Concen: 10.603 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060668.D

Acq: 24 Mar 2020 13:42

Instrument :

MSVOA_N

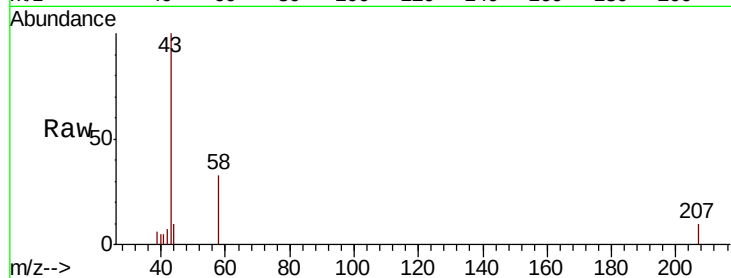
ClientSampleId :

Tot Ion: 43 Resp: 10246

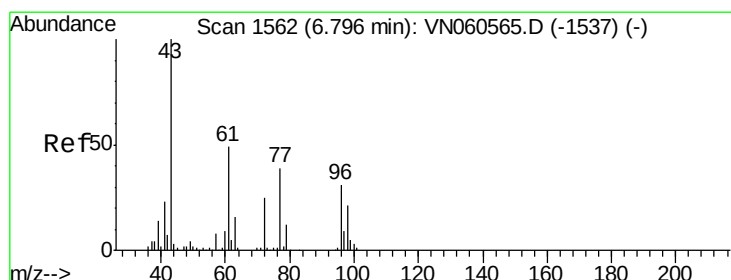
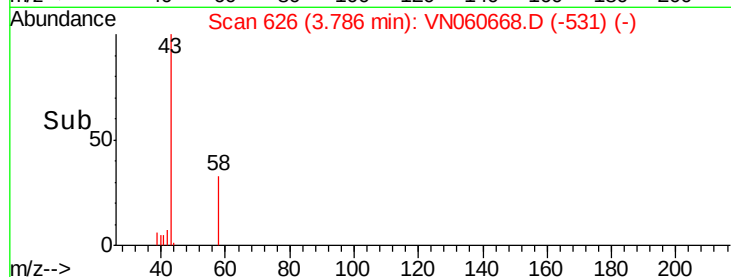
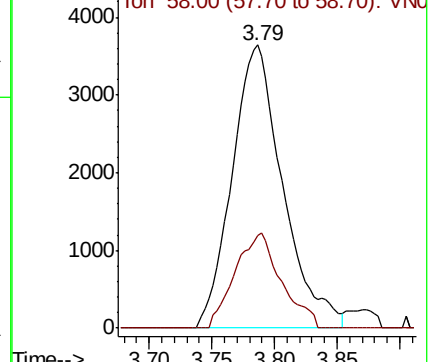
Ion Ratio Lower Upper

43 100

58 32.9 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-597) (-)



#25

2-Butanone

Concen: 0.268 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VN060668.D

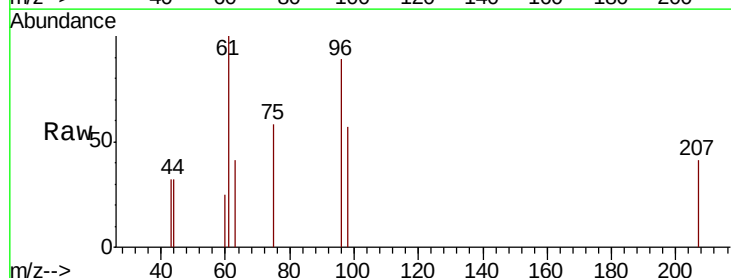
Acq: 24 Mar 2020 13:42

Tgt Ion: 43 Resp: 419

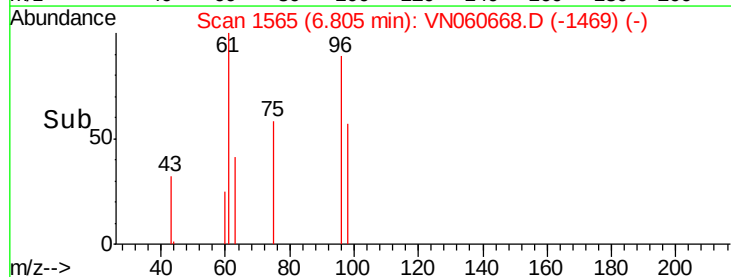
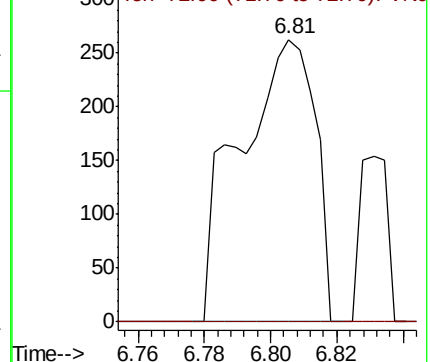
Ion Ratio Lower Upper

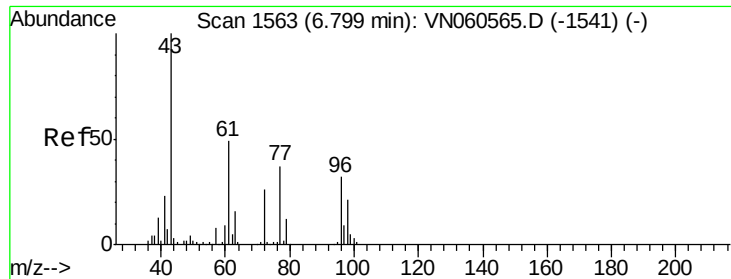
43 100

72 0.0 20.4 30.6#



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-1537) (-)





#27

cis-1,2-Dichloroethene

Concen: 0.819 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060668.D

Acq: 24 Mar 2020 13:42

Instrument :

MSVOA_N

ClientSampled :

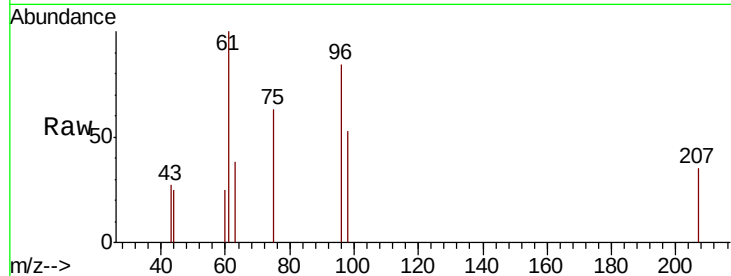
Tot Ion: 96 Resp: 2134

Ion Ratio Lower Upper

96 100

61 131.7 0.0 305.6

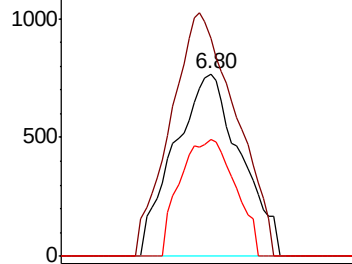
98 53.3 0.0 127.6



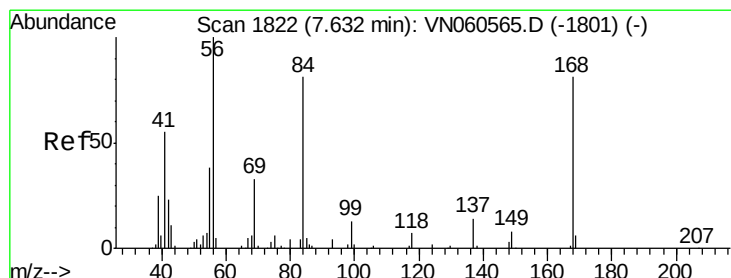
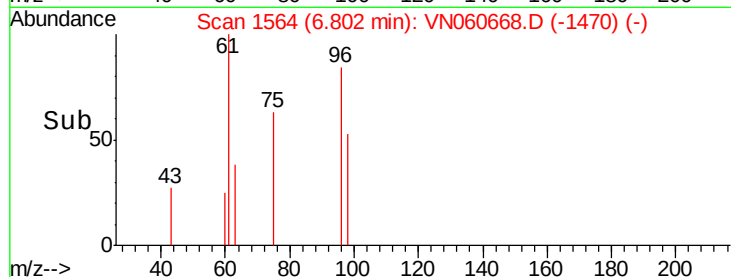
Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



Time-->



#31

Cyclohexane

Concen: 0.981 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN060668.D

Acq: 24 Mar 2020 13:42

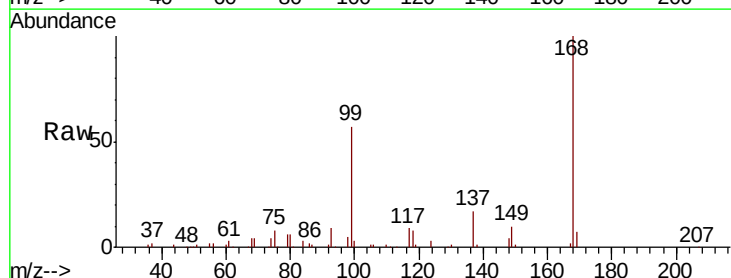
Tgt Ion: 56 Resp: 4311

Ion Ratio Lower Upper

56 100

69 163.6 26.6 40.0#

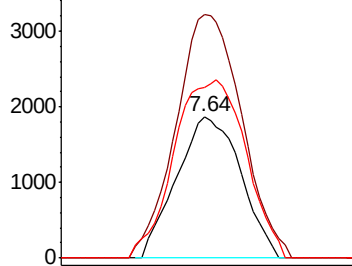
84 120.7 64.3 96.5#



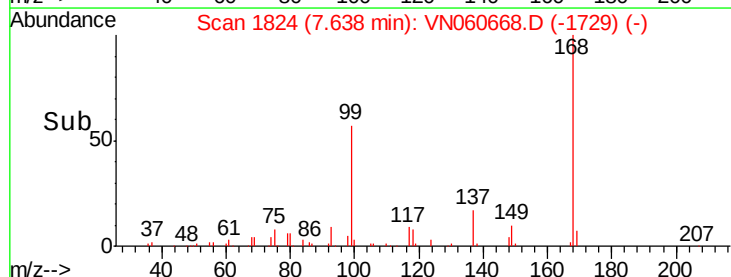
Abundance Ion 56.00 (55.70 to 56.70): VN0

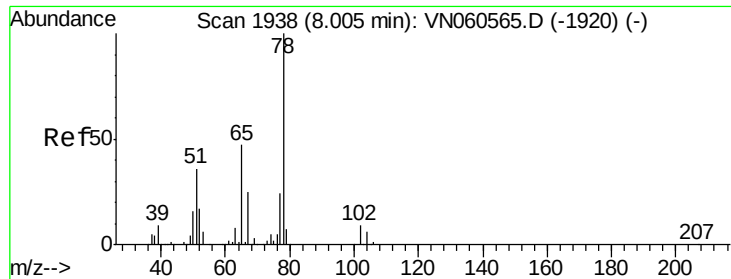
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



Time-->

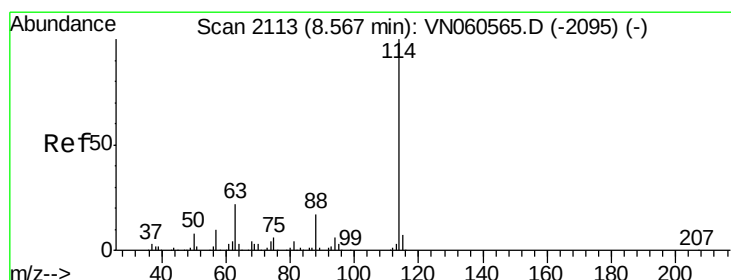
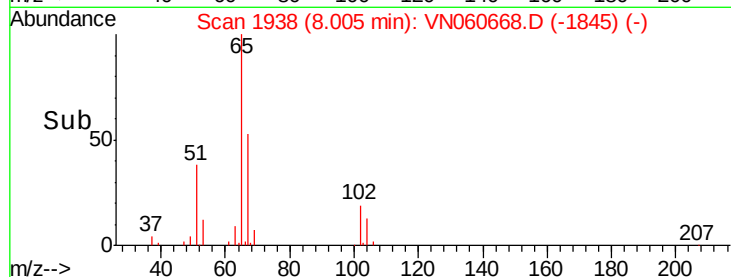
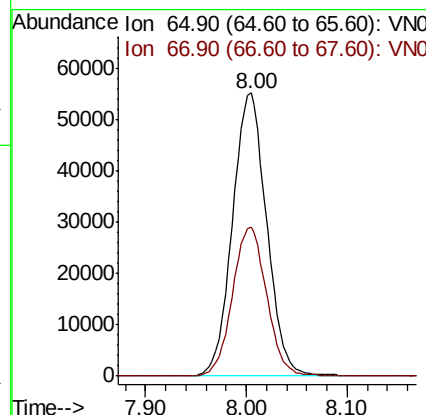
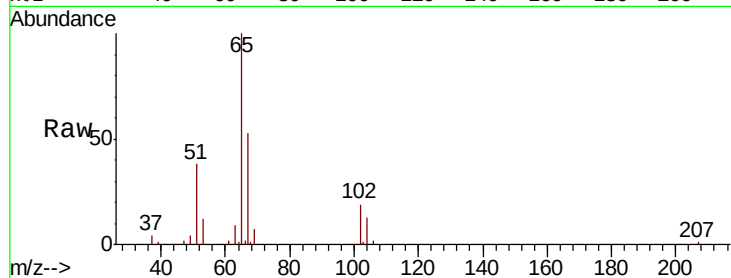




#33
 1,2-Dichloroethane-d4
 Concen: 47.665 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060668.D
 Acq: 24 Mar 2020 13:42

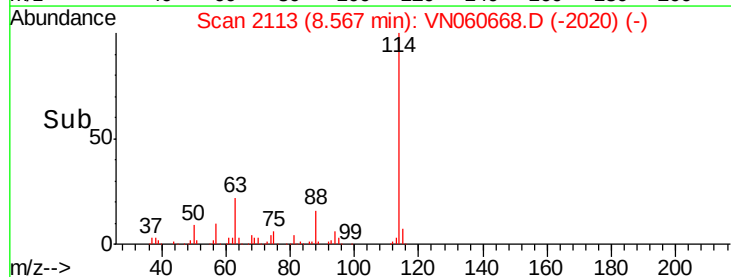
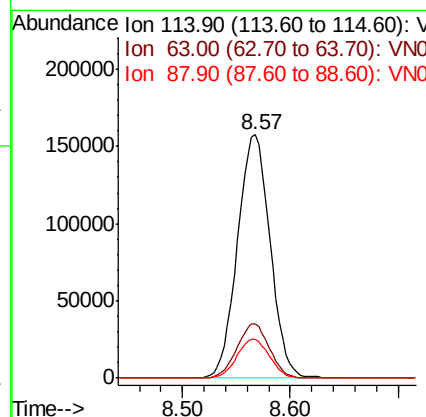
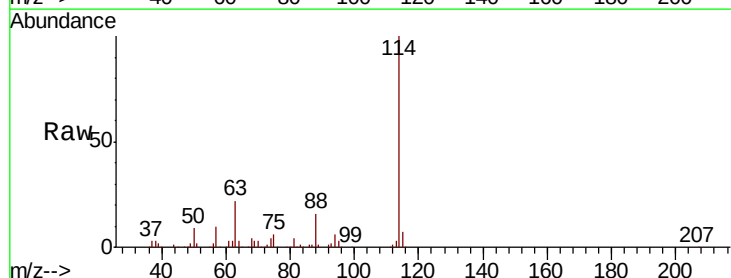
Instrument :
 MSVOA_N
 ClientSampleId :

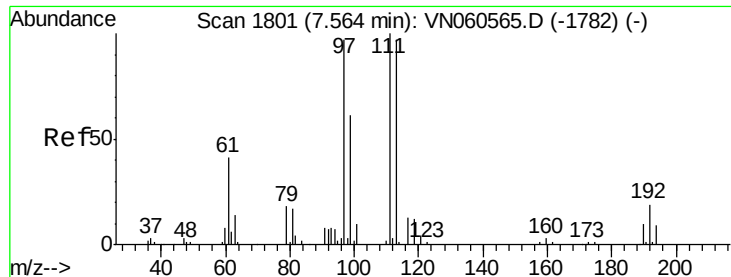
Tot Ion: 65 Resp: 130034
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060668.D
 Acq: 24 Mar 2020 13:42

Tgt Ion: 114 Resp: 331135
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.8
 88 15.8 0.0 33.0

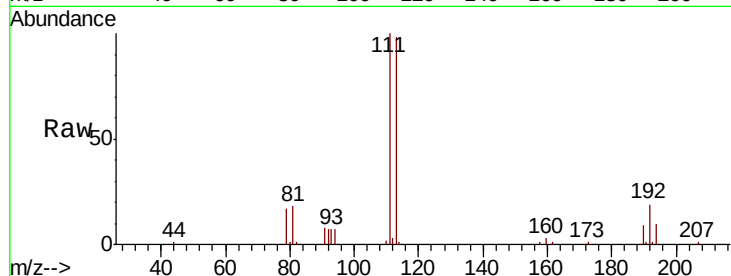




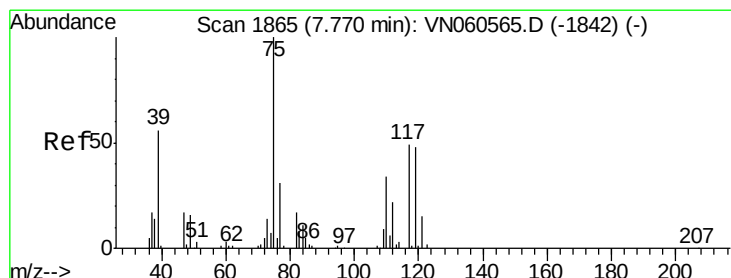
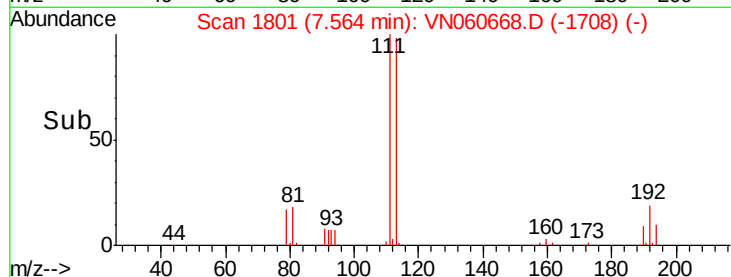
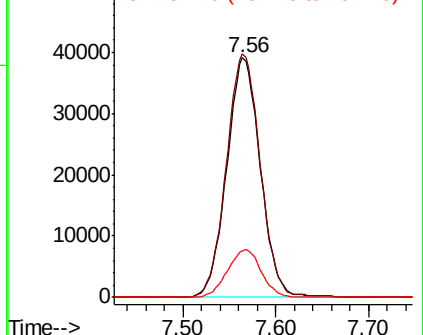
#35
 Dibromofluoromethane
 Concen: 48.992 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN060668.D
 Acq: 24 Mar 2020 13:42

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 98096
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.9 124.3
 192 19.8 15.8 23.8

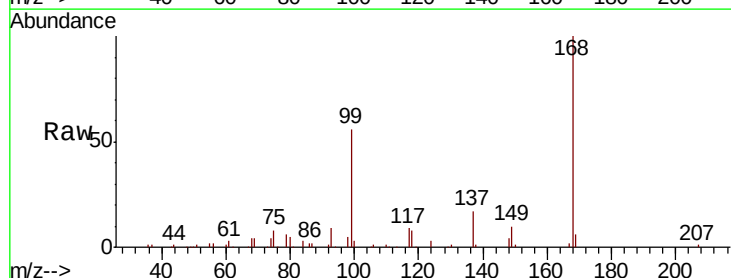


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

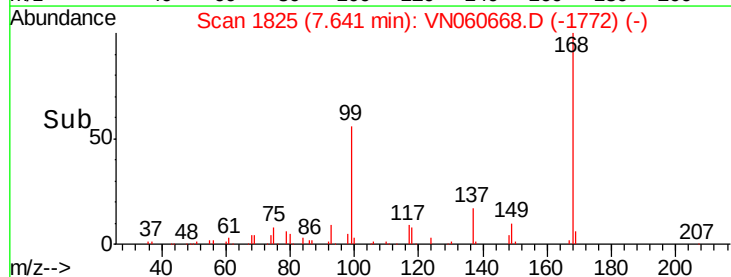
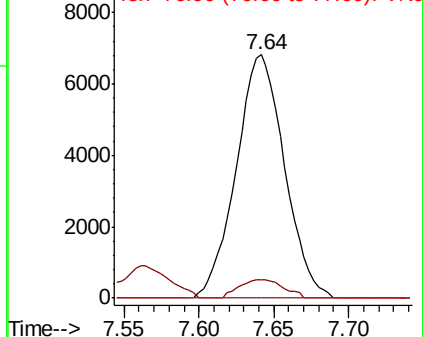


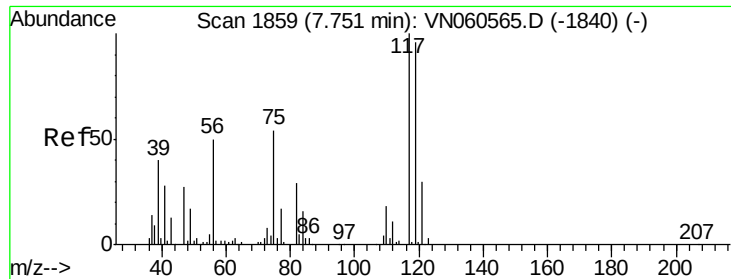
#36
 1,1-Dichloropropene
 Concen: 4.774 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060668.D
 Acq: 24 Mar 2020 13:42

Tgt Ion: 75 Resp: 15308
 Ion Ratio Lower Upper
 75 100
 110 7.0 16.9 50.6#
 77 0.0 24.6 36.8#



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

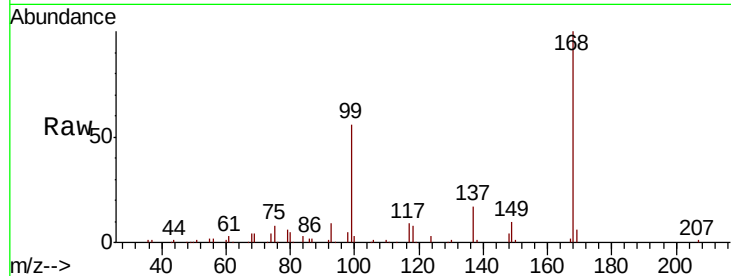




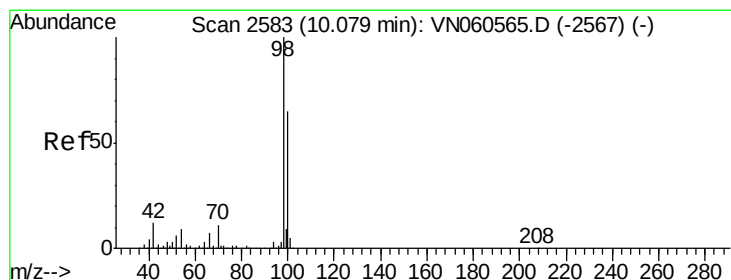
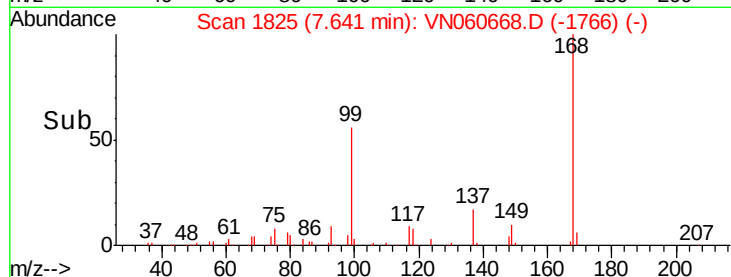
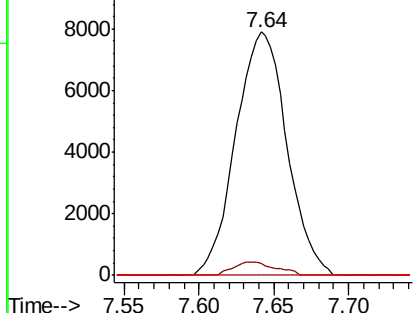
#38
Carbon Tetrachloride
Concen: 6.530 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060668.D
Acq: 24 Mar 2020 13:42

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 18765
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 23.7 35.5#

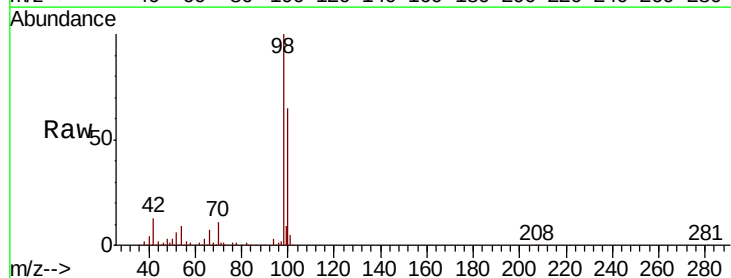


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

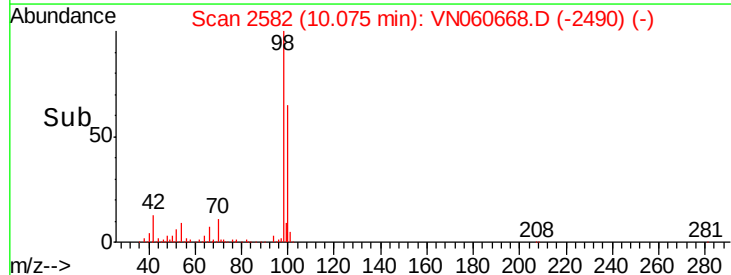
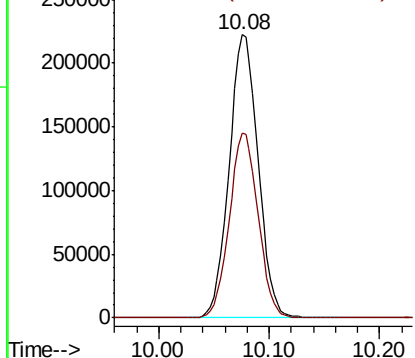


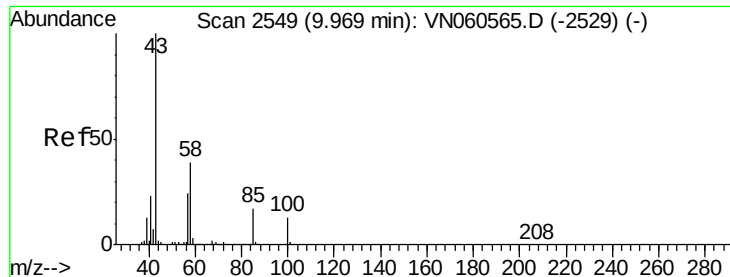
#50
Toluene-d8
Concen: 49.496 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060668.D
Acq: 24 Mar 2020 13:42

Tgt Ion: 98 Resp: 404803
Ion Ratio Lower Upper
98 100
100 64.9 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: 0.602 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.11 min

Lab File: VN060668.D

Acq: 24 Mar 2020 13:42

Instrument :

MSVOA_N

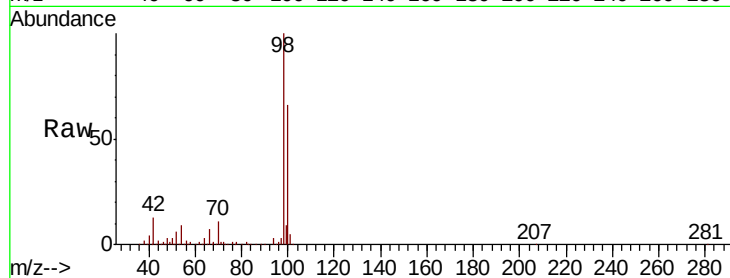
ClientSampled :

Tot Ion: 43 Resp: 1958

Ion Ratio Lower Upper

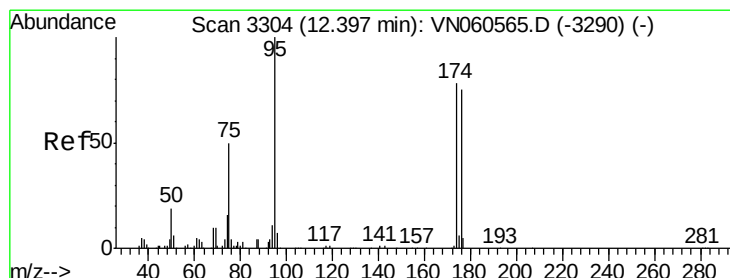
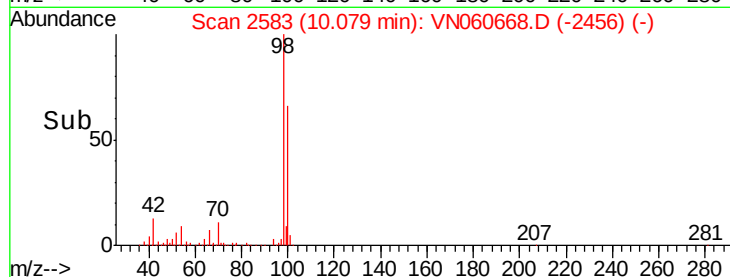
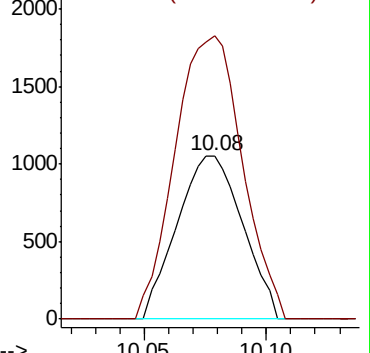
43 100

58 178.4 30.8 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 49.855 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060668.D

Acq: 24 Mar 2020 13:42

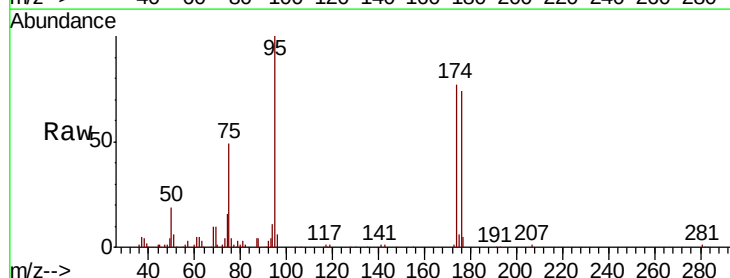
Tgt Ion: 95 Resp: 149430

Ion Ratio Lower Upper

95 100

174 78.0 0.0 157.6

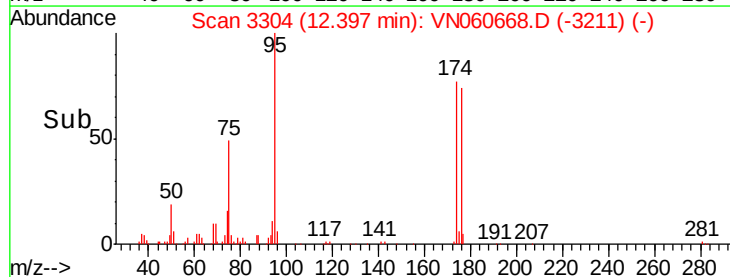
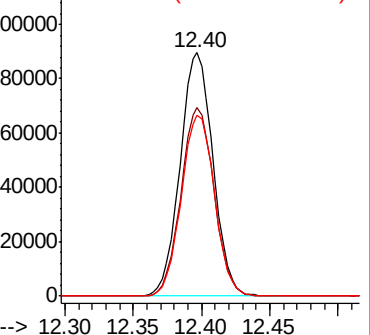
176 75.4 0.0 150.6

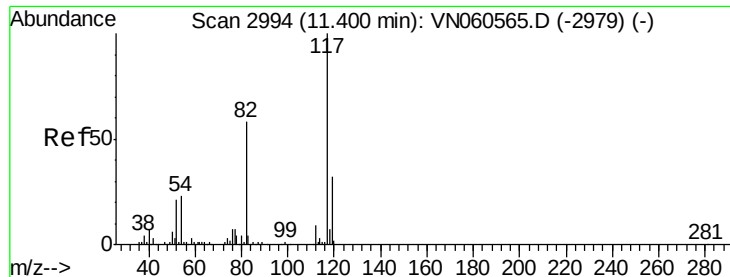


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

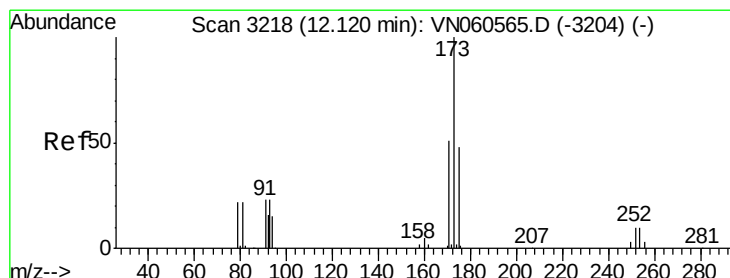
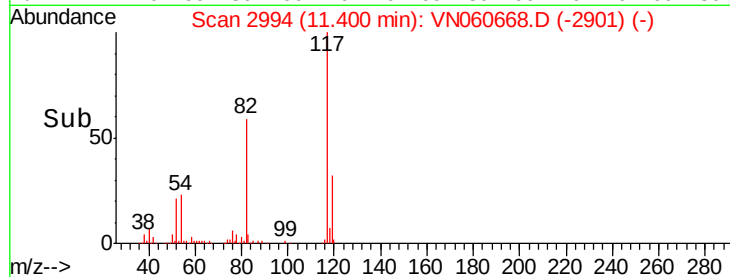
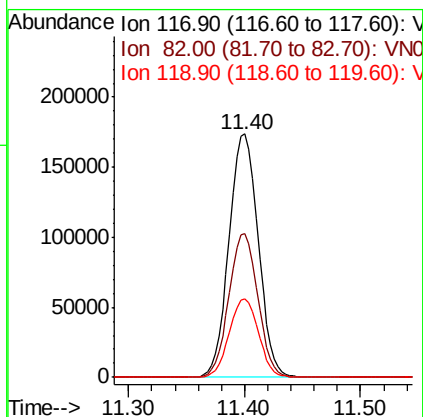
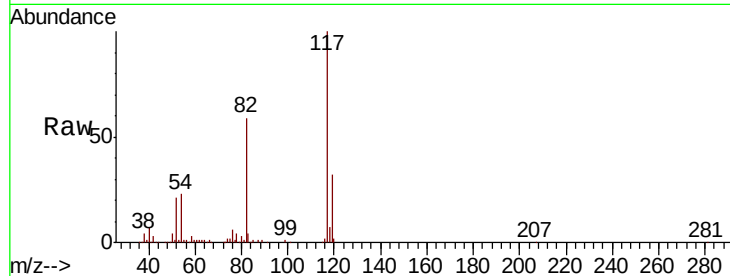




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060668.D
Acq: 24 Mar 2020 13:42

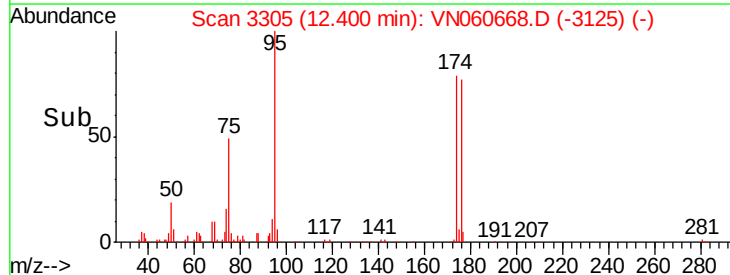
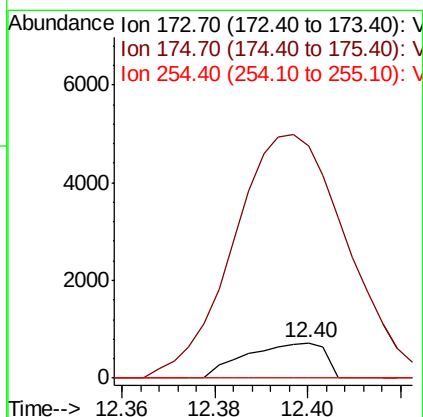
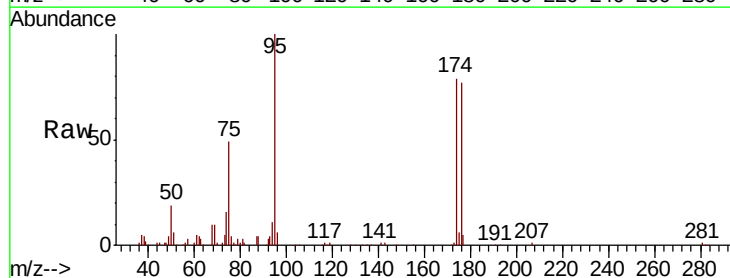
Instrument :
MSVOA_N
ClientSampled :

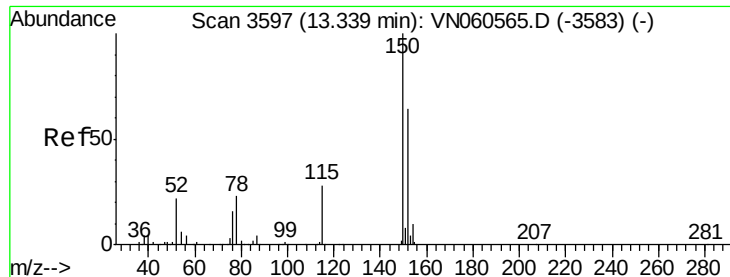
Tot Ion:117 Resp: 304495
Ion Ratio Lower Upper
117 100
82 58.8 46.7 70.1
119 32.3 25.5 38.3



#71
Bromoform
Concen: 2.132 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.28 min
Lab File: VN060668.D
Acq: 24 Mar 2020 13:42

Tgt Ion:173 Resp: 849
Ion Ratio Lower Upper
173 100
175 850.8 24.1 72.4#
254 0.0 0.0 0.0



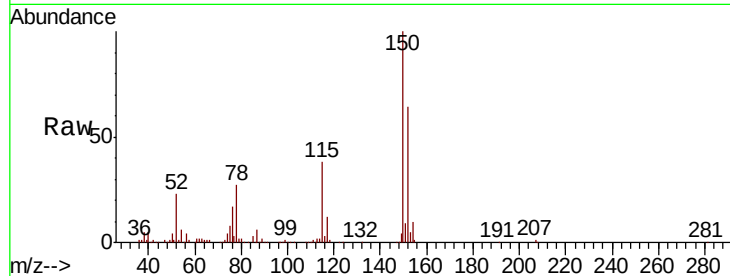


#72

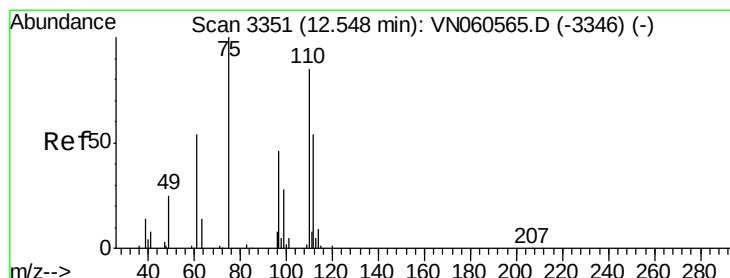
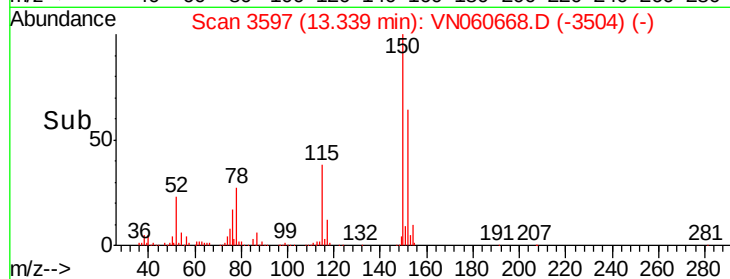
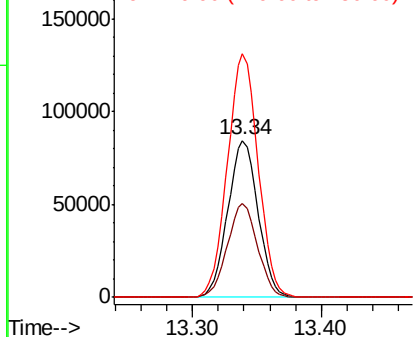
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060668.D
Acq: 24 Mar 2020 13:42

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:152 Resp: 137713
Ion Ratio Lower Upper
152 100
115 59.2 30.2 90.6
150 157.0 0.0 350.2



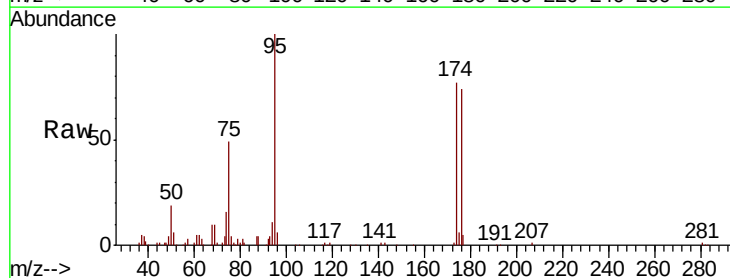
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



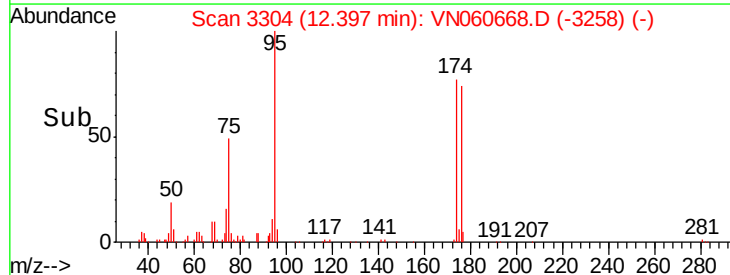
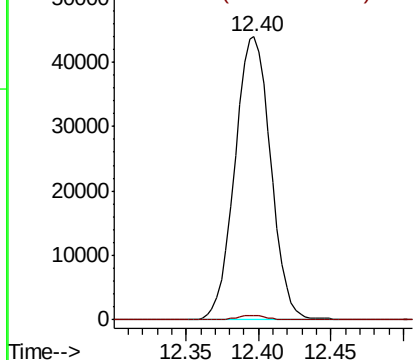
#76

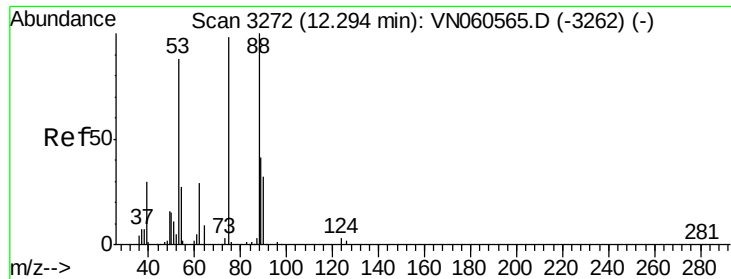
1,2,3-Trichloropropane
Concen: 25.344 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060668.D
Acq: 24 Mar 2020 13:42

Tgt Ion: 75 Resp: 75310
Ion Ratio Lower Upper
75 100
77 1.3 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: 65.090 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060668.D

Acq: 24 Mar 2020 13:42

Instrument :

MSVOA_N

ClientSampleId :

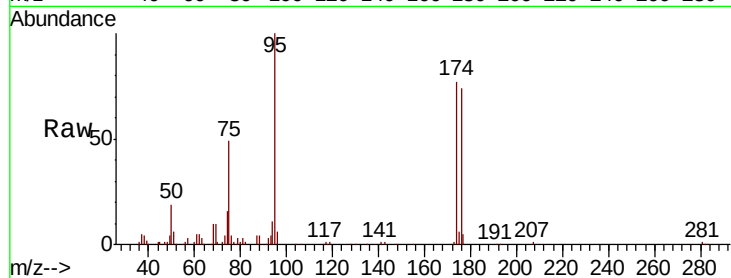
Tot Ion: 75 Resp: 75310

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

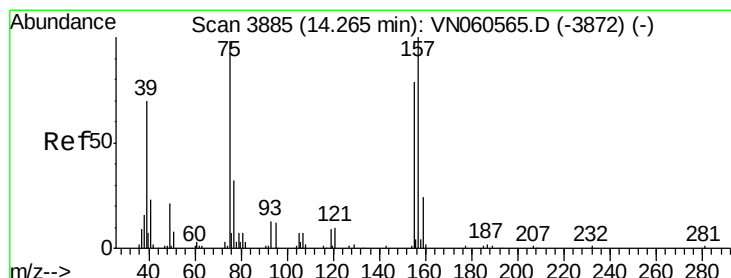
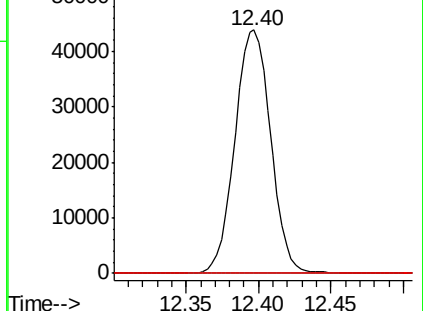
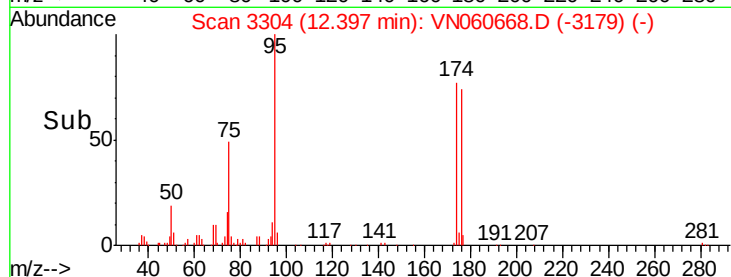
89 0.0 34.8 52.2#



Abundance Ion 74.90 (74.60 to 75.60): VN060668.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060668.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060668.D (-3179) (-)



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.34 min Scan# 3907

Delta R.T. 0.07 min

Lab File: VN060668.D

Acq: 24 Mar 2020 13:42

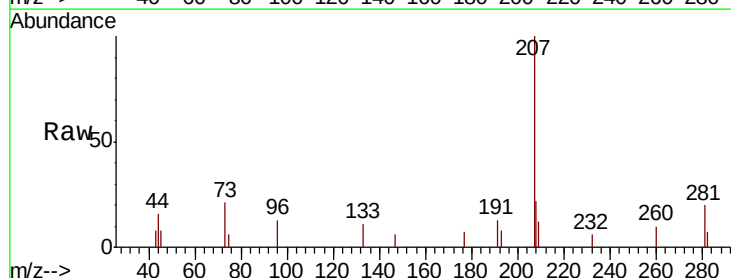
Tgt Ion: 75 Resp: 33

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): VN060668.D (-3791) (-)

Ion 154.80 (154.50 to 155.50): VN060668.D (-3791) (-)

Ion 156.80 (156.50 to 157.50): VN060668.D (-3791) (-)

