

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062920\
 Data File : VN062191.D
 Acq On : 29 Jun 2020 16:30
 Operator : JC/MD
 Sample : L3127-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB04-20200625

Quant Time: Jun 30 04:27:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	199085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	380725	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	368704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	138368	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	146711	52.51	ug/l	0.00
Spiked Amount			Recovery	=	105.02%	
35) Dibromofluoromethane	7.55	113	122550	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
50) Toluene-d8	10.06	98	483845	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
62) 4-Bromofluorobenzene	12.38	95	158305	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	

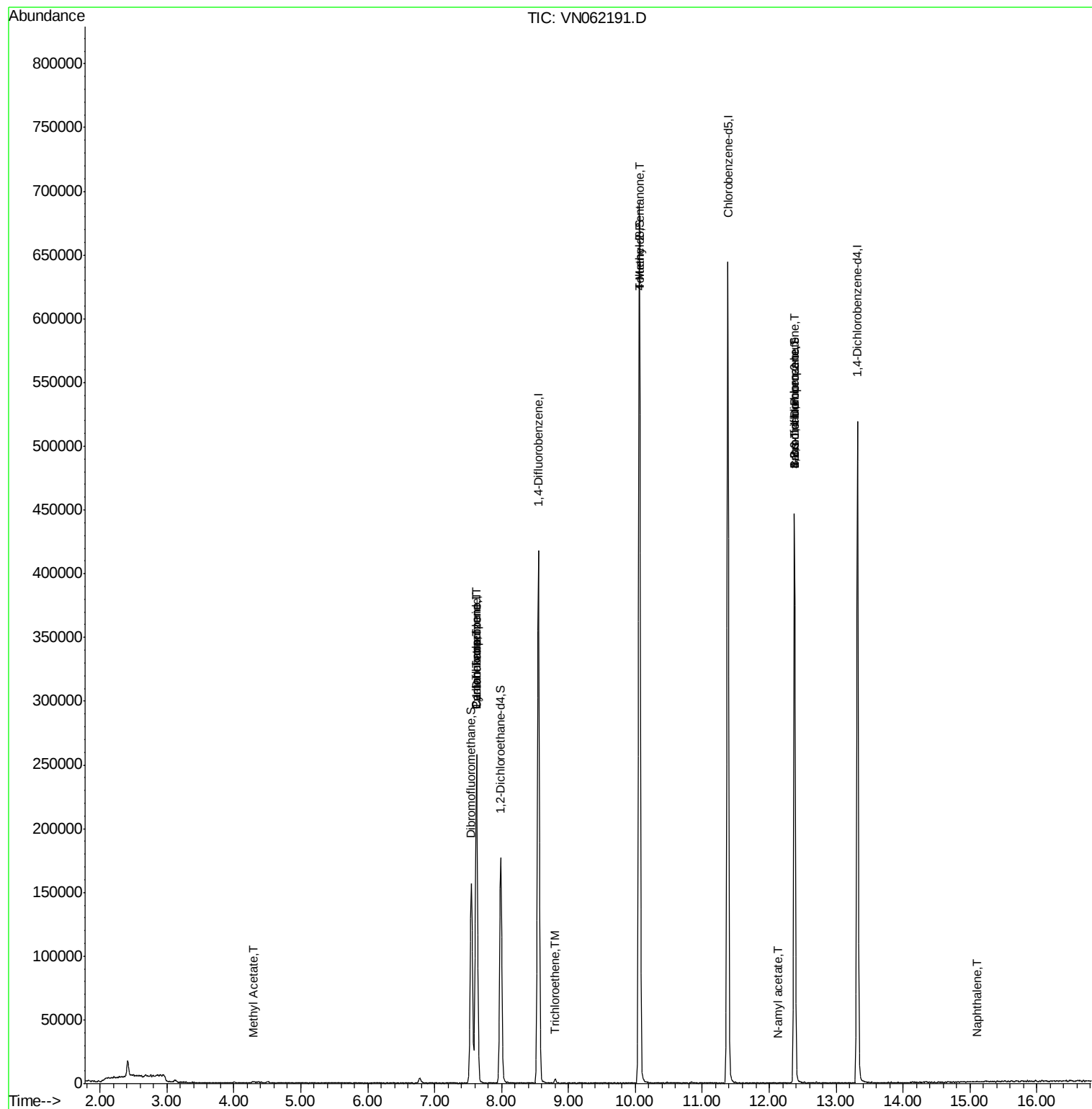
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	237	Below Cal	#	41
16) Acetone	3.78	43	109	Below Cal	#	40
18) Methyl Acetate	4.28	43	682	0.307	ug/l #	46
20) Methylene Chloride	4.49	84	551	Below Cal	#	56
31) Cyclohexane	7.63	56	4632	1.200	ug/l #	27
36) 1,1-Dichloropropene	7.63	75	16920	4.421	ug/l #	49
38) Carbon Tetrachloride	7.63	117	19969	5.535	ug/l #	16
44) Trichloroethene	8.80	130	1347	0.458	ug/l	90
51) 4-Methyl-2-Pentanone	10.06	43	1837	0.609	ug/l #	1
71) Bromoform	12.38	173	1389	0.698	ug/l #	1
74) N-amyl acetate	12.13	43	59	3.357	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	80556	24.731	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	80556	72.224	ug/l #	13
95) Naphthalene	15.10	128	109	4.010	ug/l #	69

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

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Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062191.D

Acq: 29 Jun 2020 16:30

Instrument :

MSVOA_N

ClientSampleId :

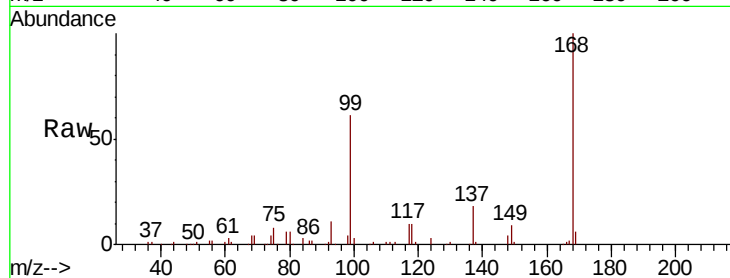
TB04-20200625

Tot Ion:168 Resp: 199085

Ion Ratio Lower Upper

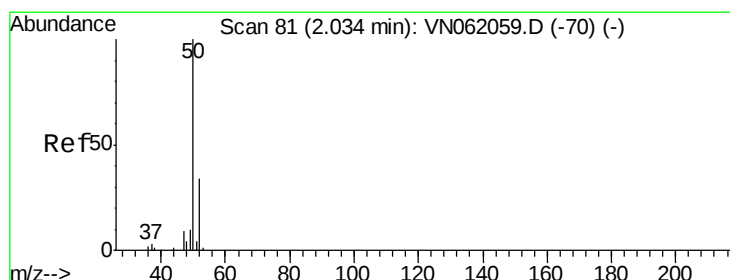
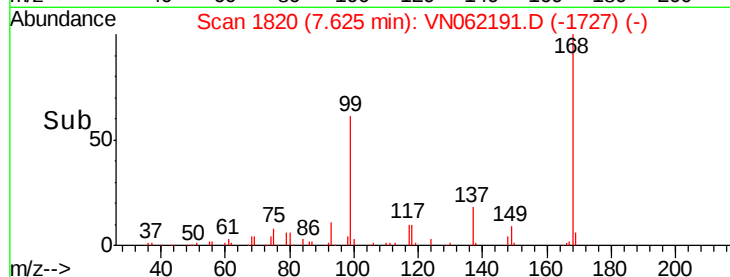
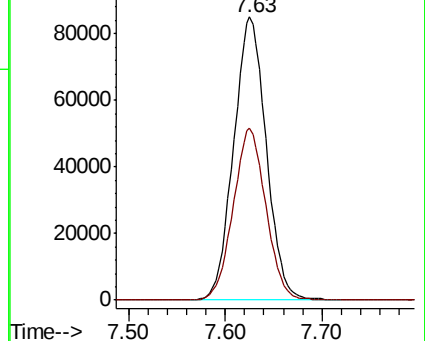
168 100

99 60.8 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062191.D

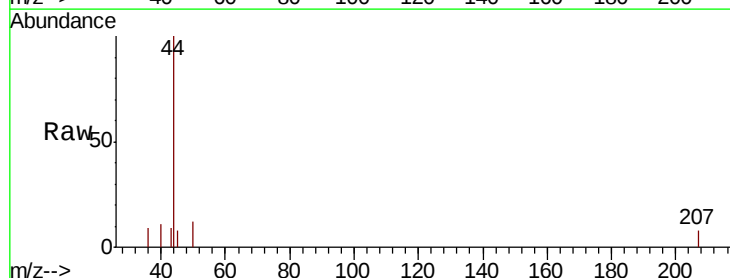
Acq: 29 Jun 2020 16:30

Tgt Ion: 50 Resp: 237

Ion Ratio Lower Upper

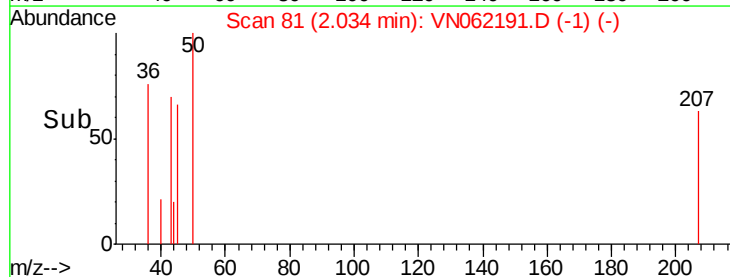
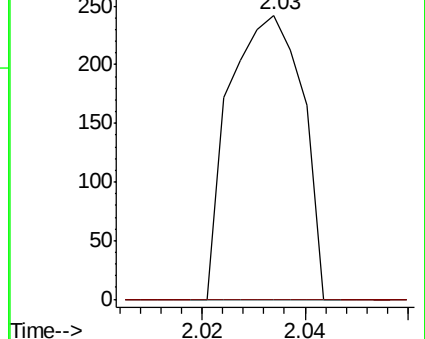
50 100

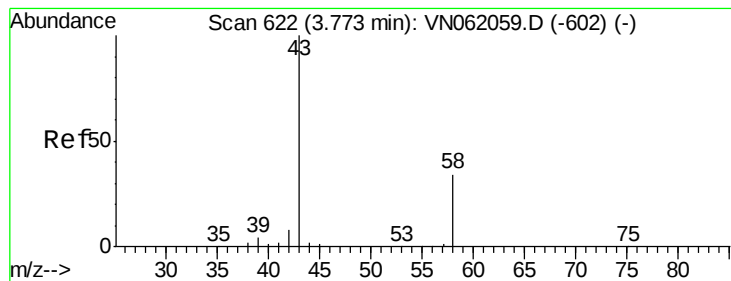
52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062191.D

Acq: 29 Jun 2020 16:30

Instrument :

MSVOA_N

ClientSampleId :

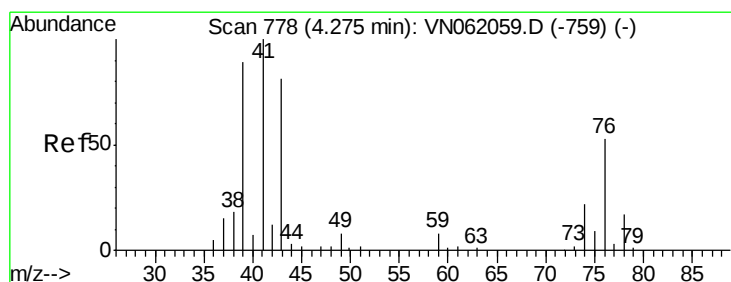
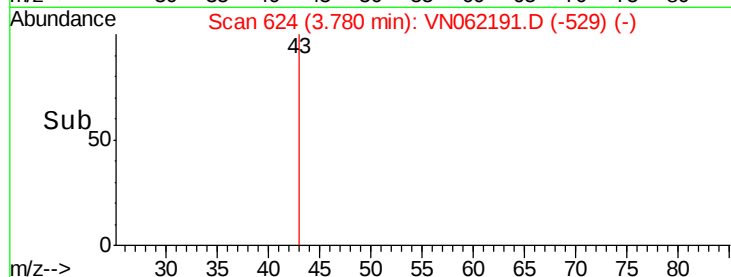
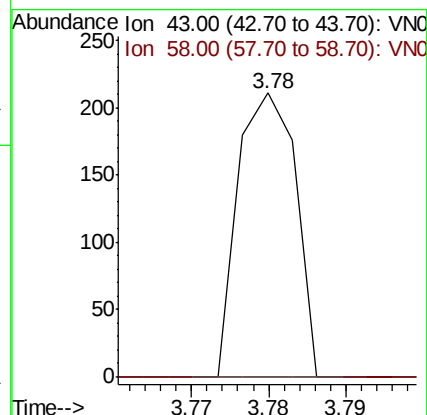
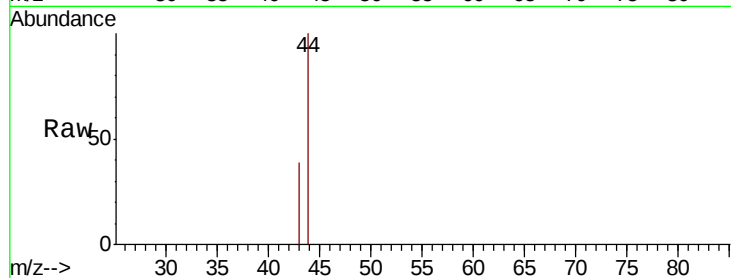
TB04-20200625

Tot Ion: 43 Resp: 109

Ion Ratio Lower Upper

43 100

58 0.0 27.5 41.3#



#18

Methyl Acetate

Concen: 0.307 ug/l

RT: 4.28 min Scan# 781

Delta R.T. 0.01 min

Lab File: VN062191.D

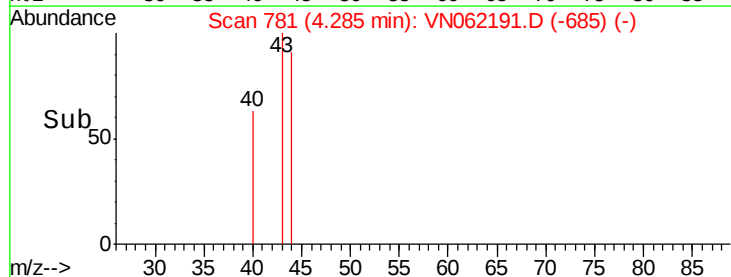
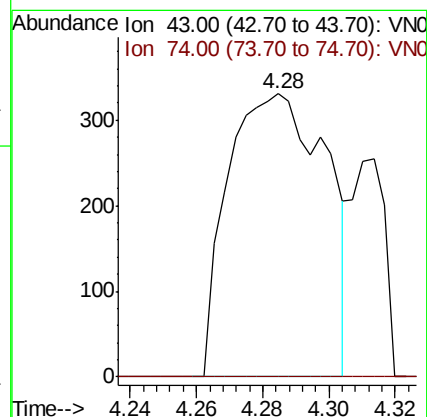
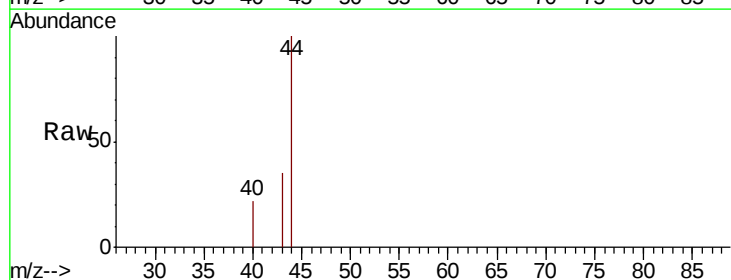
Acq: 29 Jun 2020 16:30

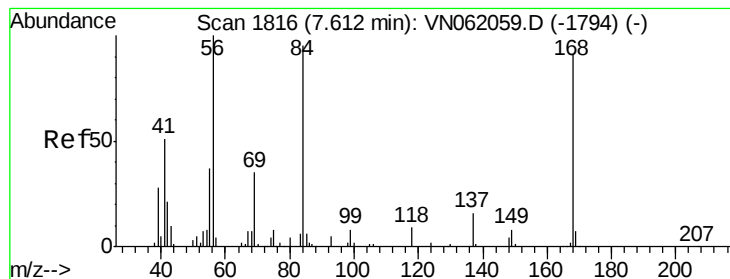
Tgt Ion: 43 Resp: 682

Ion Ratio Lower Upper

43 100

74 0.0 22.9 34.3#





#31

Cyclohexane

Concen: 1.200 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062191.D

Acq: 29 Jun 2020 16:30

Instrument :

MSVOA_N

ClientSampleId :

TB04-20200625

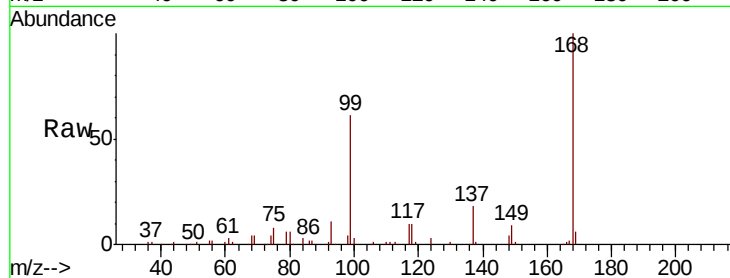
Tot Ion: 56 Resp: 4632

Ion Ratio Lower Upper

56 100

69 154.5 28.0 42.0#

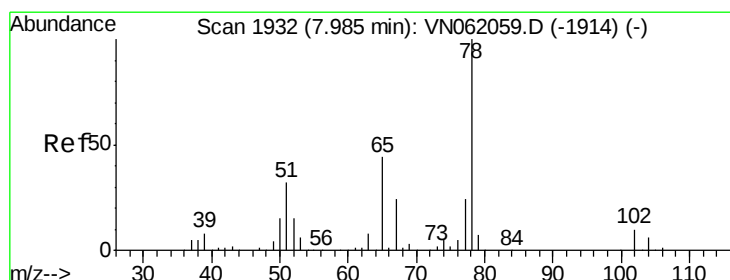
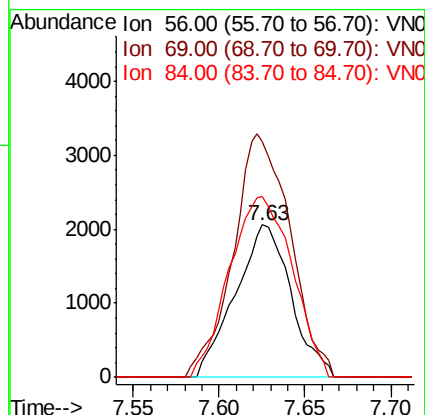
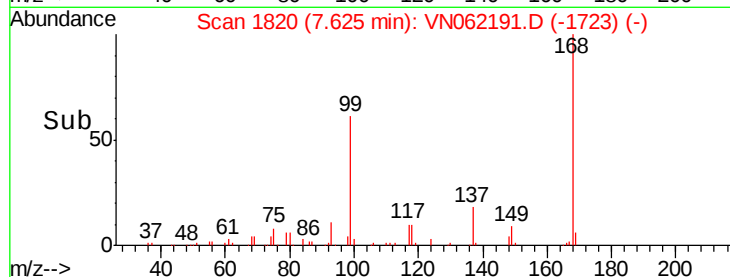
84 118.6 76.1 114.1#



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



#33

1,2-Dichloroethane-d4

Concen: 52.512 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062191.D

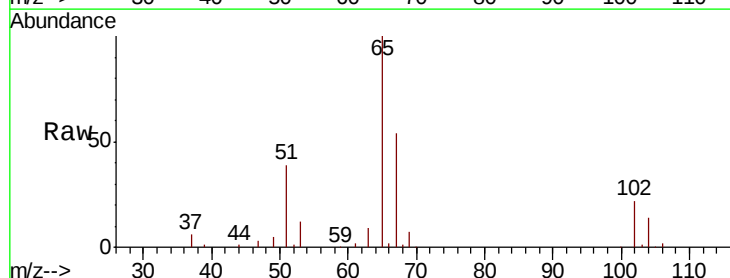
Acq: 29 Jun 2020 16:30

Tgt Ion: 65 Resp: 146711

Ion Ratio Lower Upper

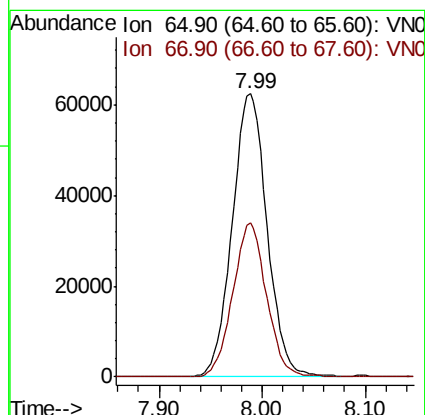
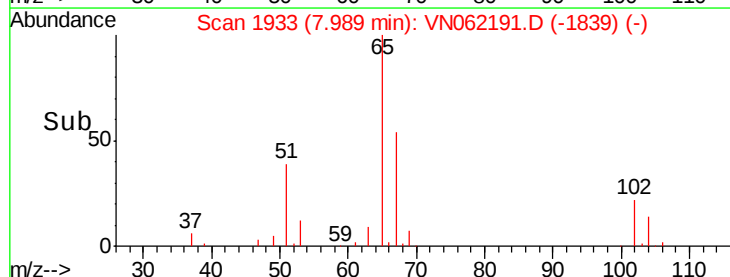
65 100

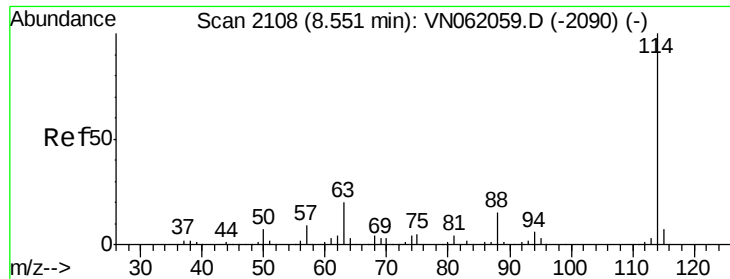
67 52.8 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

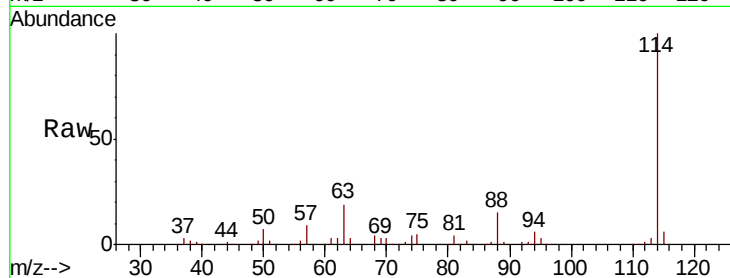




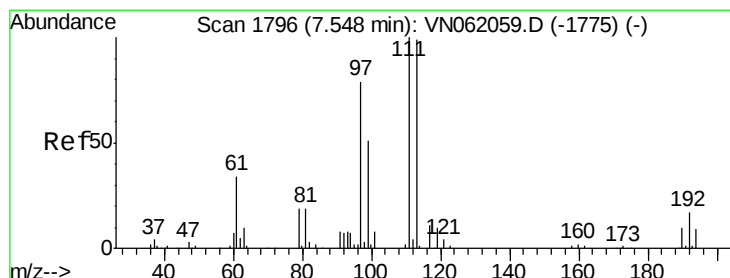
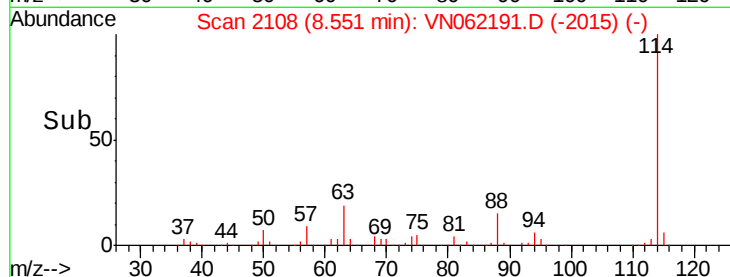
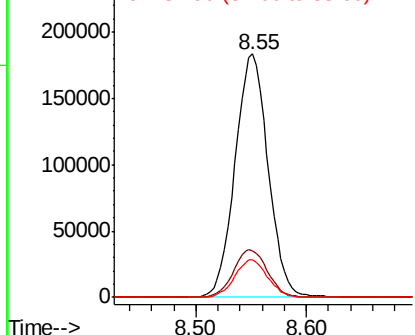
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. 0.00 min
Lab File: VN062191.D
Acq: 29 Jun 2020 16:30

Instrument :
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TB04-20200625

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	39.2
88	15.3	0.0	30.8

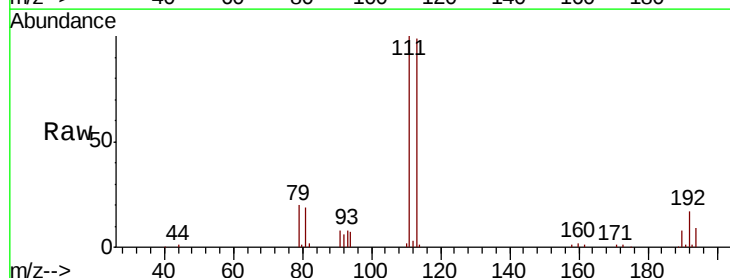


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

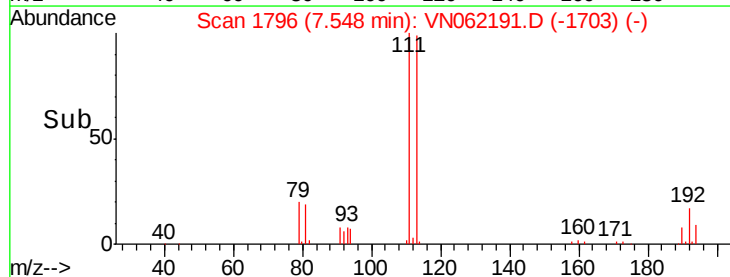
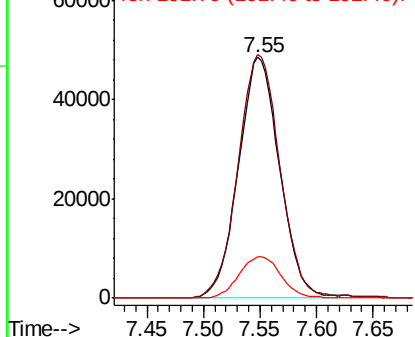


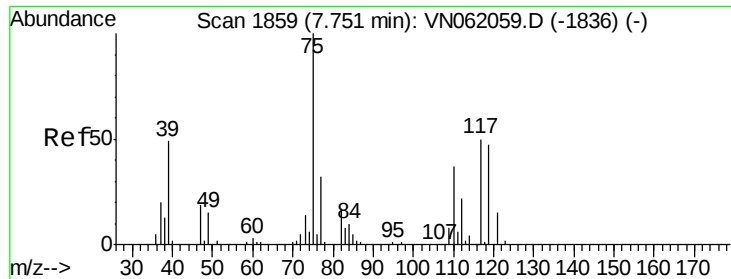
#35
Dibromofluoromethane
Concen: 50.173 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN062191.D
Acq: 29 Jun 2020 16:30

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.2	123.4
192	17.5	14.0	21.0



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

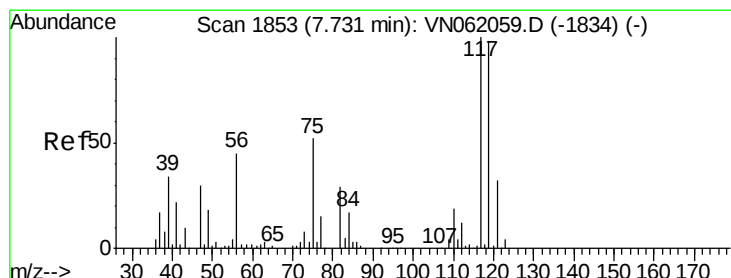
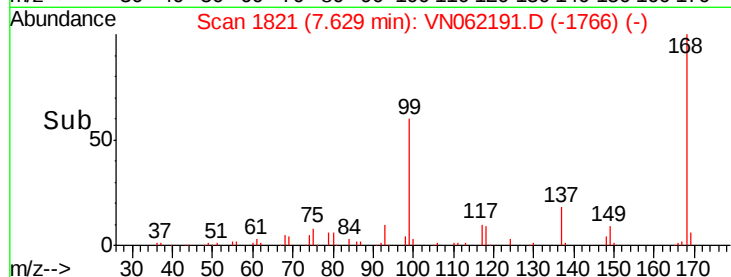
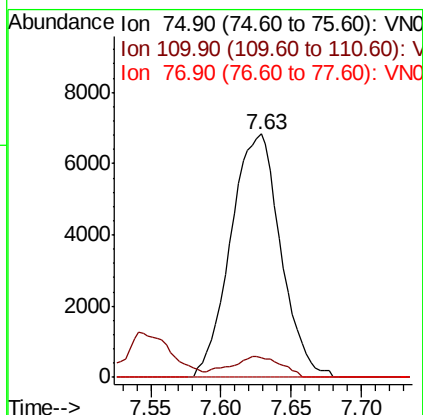
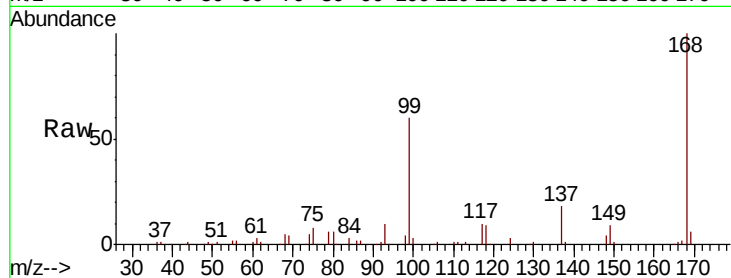




#36
 1,1-Dichloropropene
 Concen: 4.421 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062191.D
 Acq: 29 Jun 2020 16:30

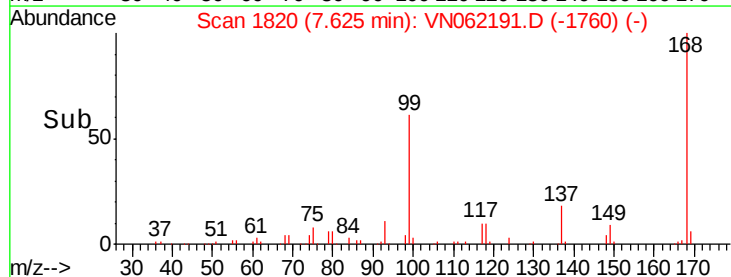
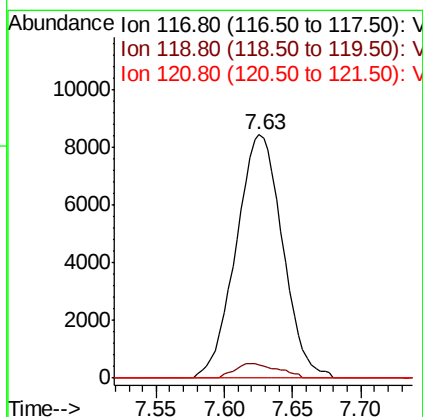
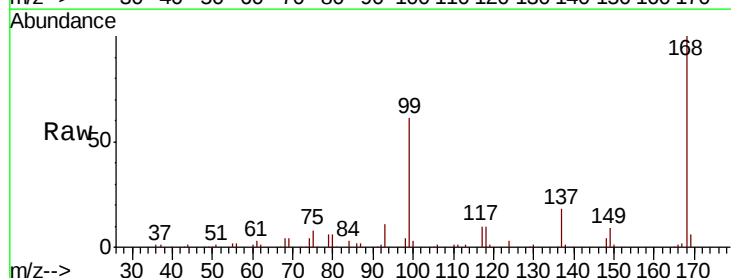
Instrument :
 MSVOA_N
 ClientSampleId :
 TB04-20200625

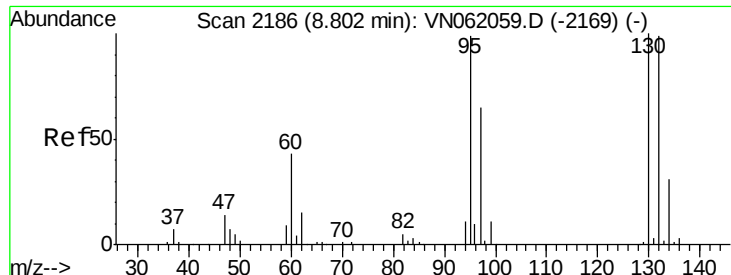
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.9	53.8#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.535 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062191.D
 Acq: 29 Jun 2020 16:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	78.2	117.2#
121	0.0	25.8	38.6#





#44

Trichloroethene

Concen: 0.458 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN062191.D

Acq: 29 Jun 2020 16:30

Instrument :

MSVOA_N

ClientSampleId :

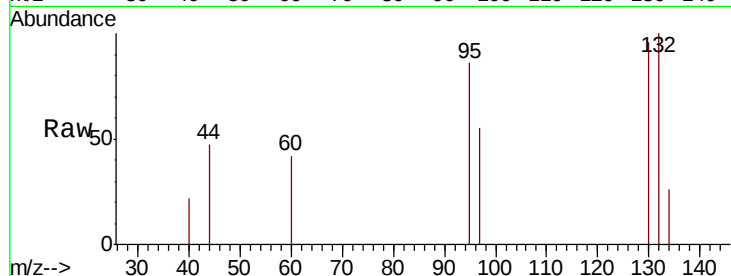
TB04-20200625

Tot Ion:130 Resp: 1347

Ion Ratio Lower Upper

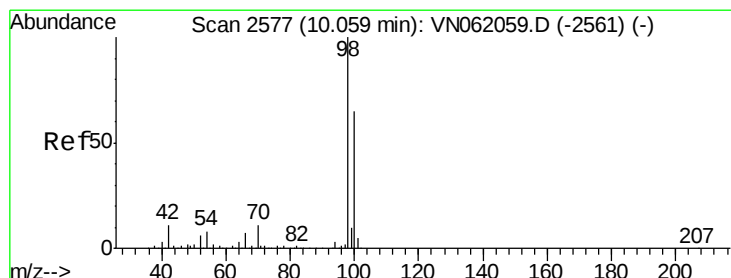
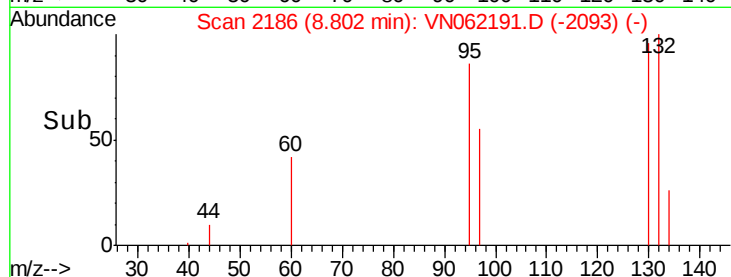
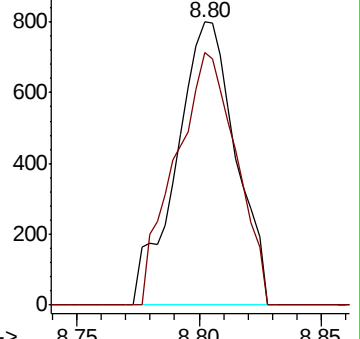
130 100

95 89.1 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#50

Toluene-d8

Concen: 49.556 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062191.D

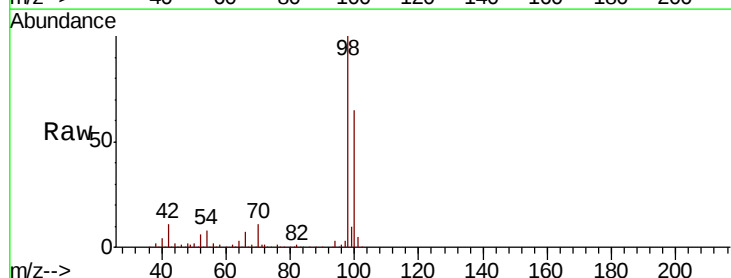
Acq: 29 Jun 2020 16:30

Tgt Ion: 98 Resp: 483845

Ion Ratio Lower Upper

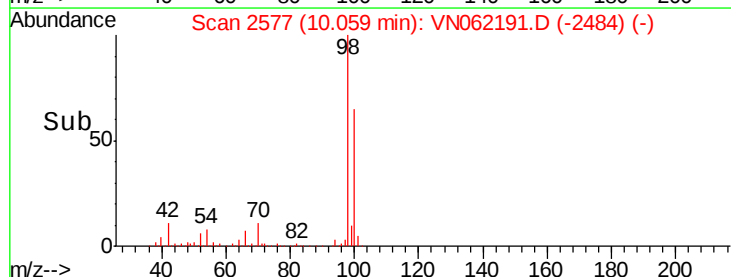
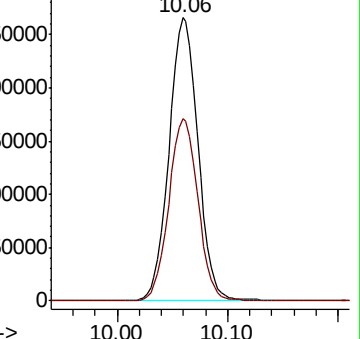
98 100

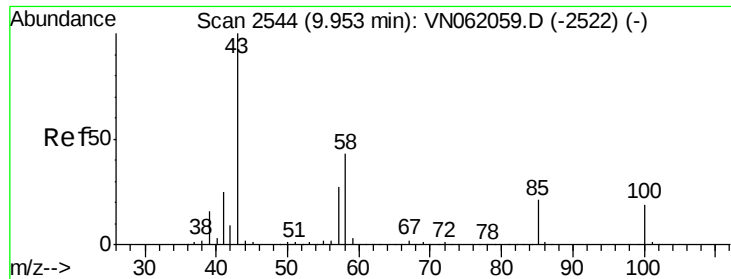
100 64.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

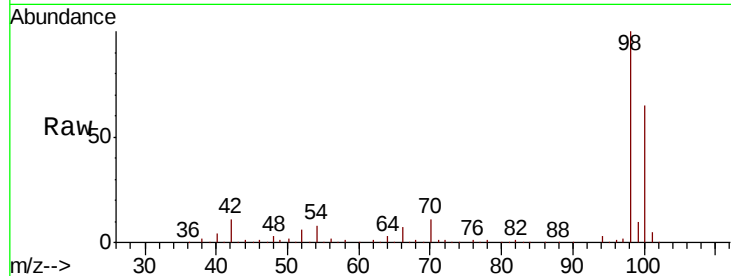




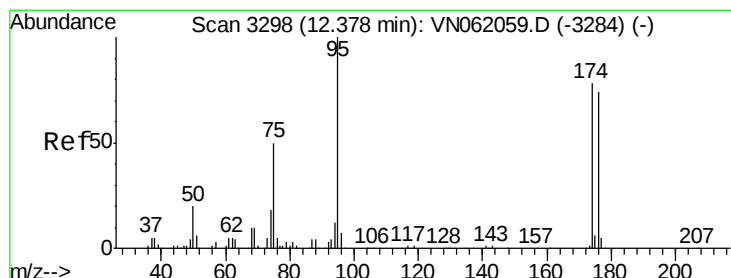
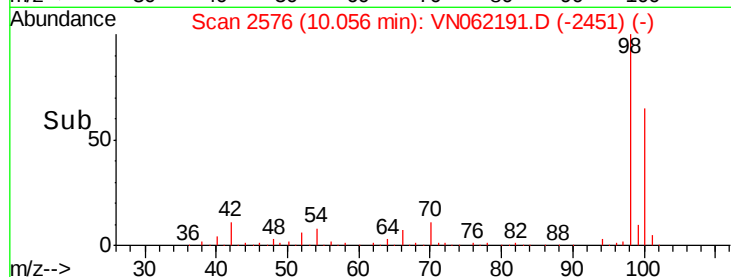
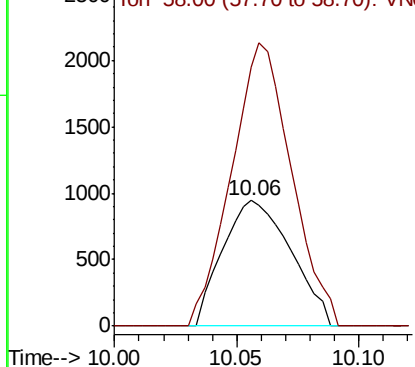
#51
 4-Methyl-2-Pentanone
 Concen: 0.609 ug/l
 RT: 10.06 min Scan# 2576
 Delta R.T. 0.10 min
 Lab File: VN062191.D
 Acq: 29 Jun 2020 16:30

Instrument :
 MSVOA_N
 ClientSampleId :
 TB04-20200625

Tot Ion: 43 Resp: 1837
 Ion Ratio Lower Upper
 43 100
 58 197.7 34.2 51.2#

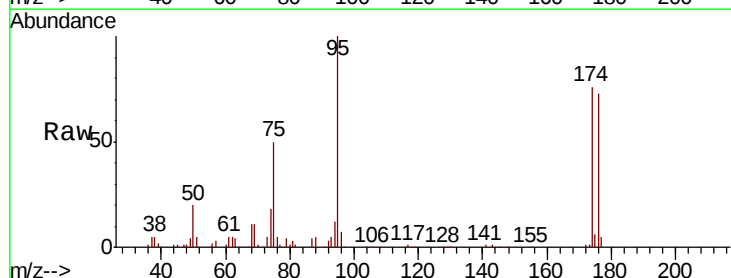


Abundance Ion 43.00 (42.70 to 43.70): VN062191.D (-2451) (-)
 Ion 58.00 (57.70 to 58.70): VN062191.D (-2451) (-)

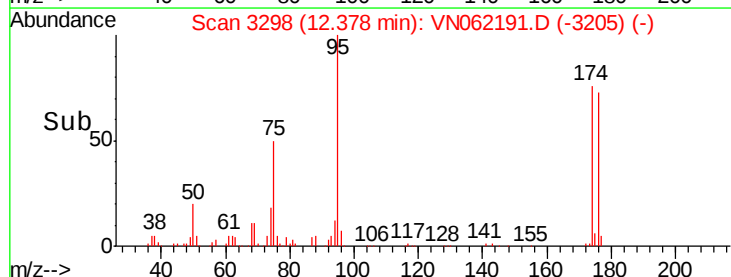
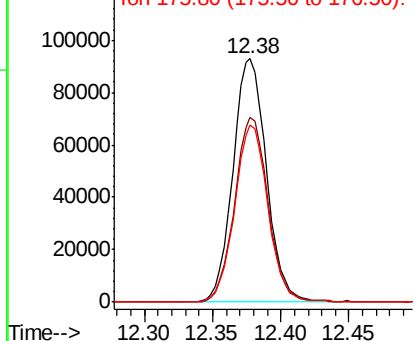


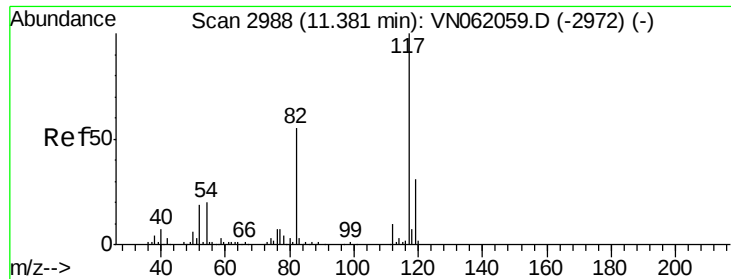
#62
 4-Bromofluorobenzene
 Concen: 47.990 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062191.D
 Acq: 29 Jun 2020 16:30

Tgt Ion: 95 Resp: 158305
 Ion Ratio Lower Upper
 95 100
 174 75.9 0.0 154.8
 176 72.7 0.0 147.4



Abundance Ion 94.90 (94.60 to 95.60): VN062191.D (-3205) (-)
 Ion 173.80 (173.50 to 174.50): VN062191.D (-3205) (-)
 Ion 175.80 (175.50 to 176.50): VN062191.D (-3205) (-)

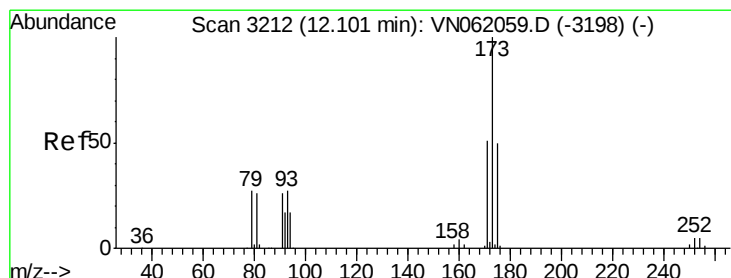
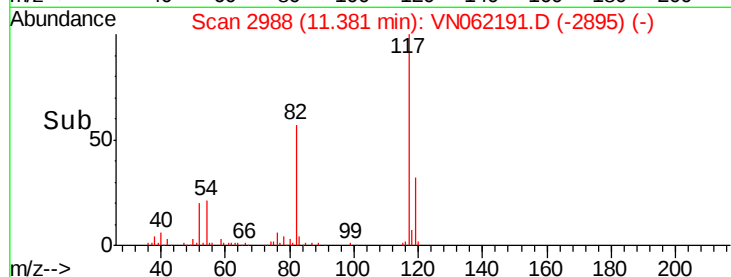
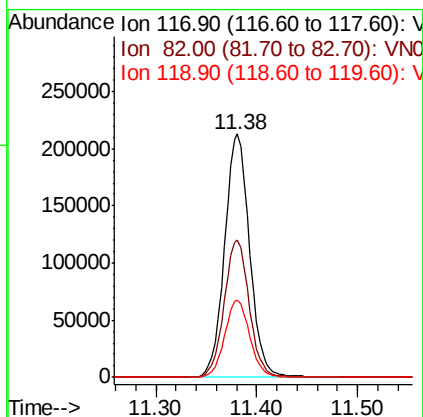
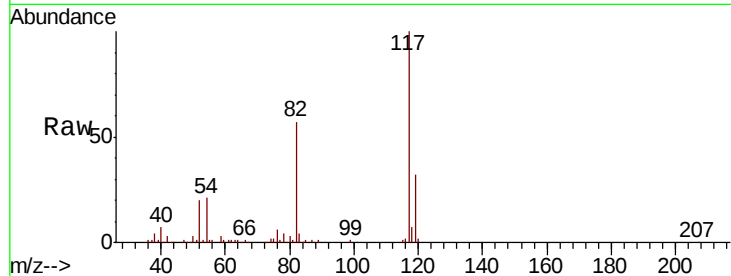




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062191.D
Acq: 29 Jun 2020 16:30

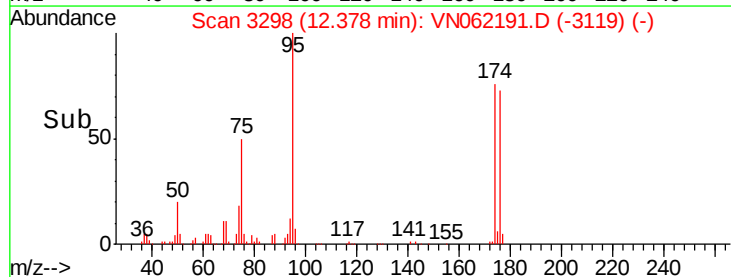
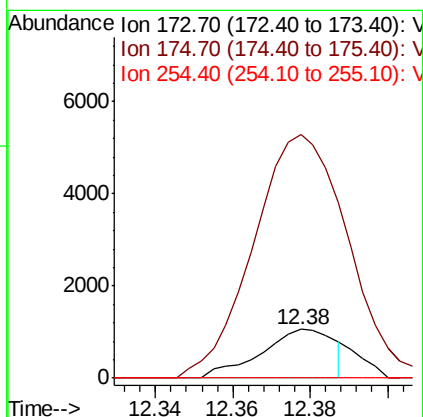
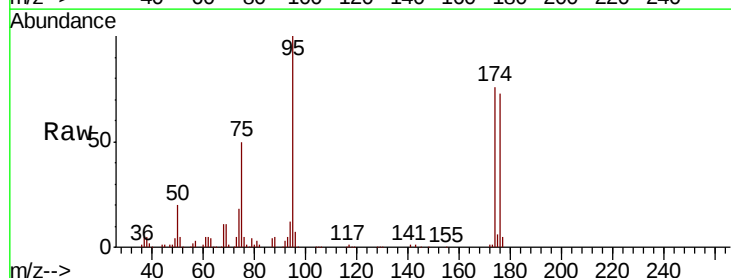
Instrument :
MSVOA_N
ClientSampleId :
TB04-20200625

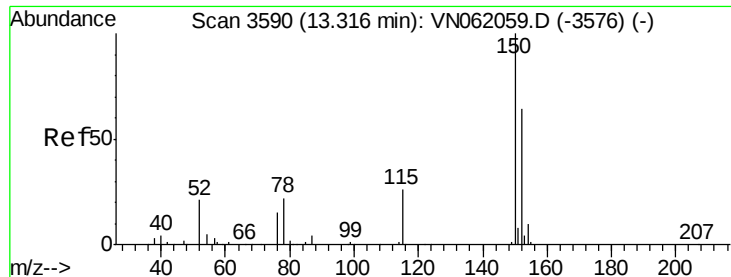
Tot Ion:117 Resp: 368704
Ion Ratio Lower Upper
117 100
82 56.5 43.8 65.8
119 31.9 25.2 37.8



#71
Bromoform
Concen: 0.698 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN062191.D
Acq: 29 Jun 2020 16:30

Tgt Ion:173 Resp: 1389
Ion Ratio Lower Upper
173 100
175 543.6 24.7 74.1#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062191.D

Acq: 29 Jun 2020 16:30

Instrument :

MSVOA_N

ClientSampleId :

TB04-20200625

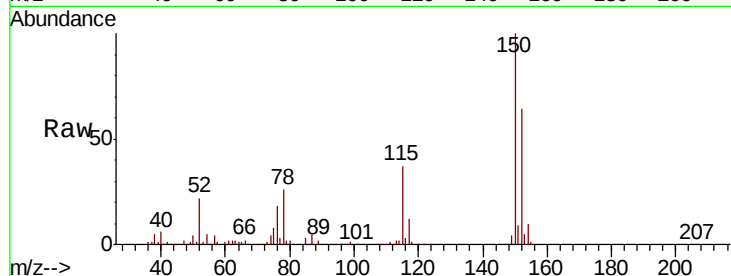
Tot Ion:152 Resp: 138368

Ion Ratio Lower Upper

152 100

115 60.1 29.5 88.5

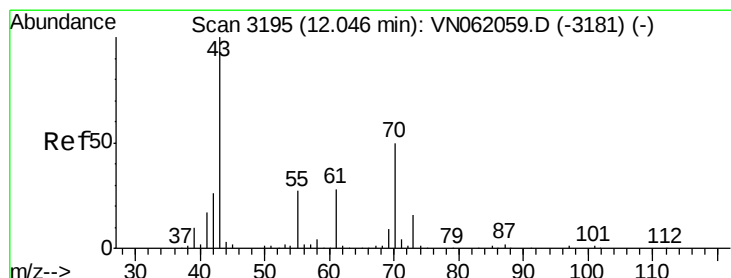
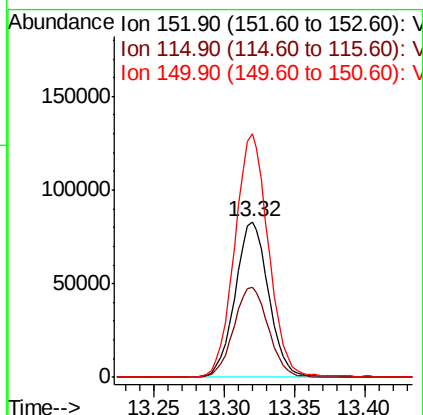
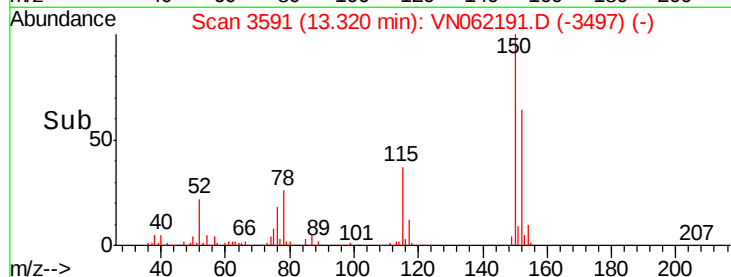
150 157.7 0.0 351.4



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: 3.357 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.08 min

Lab File: VN062191.D

Acq: 29 Jun 2020 16:30

Tgt Ion: 43 Resp: 59

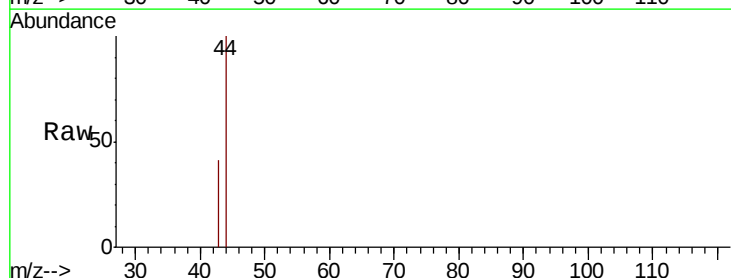
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#

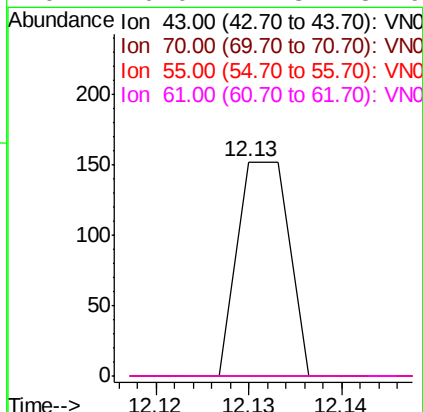
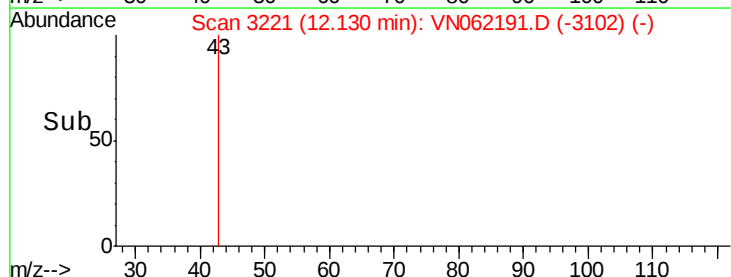


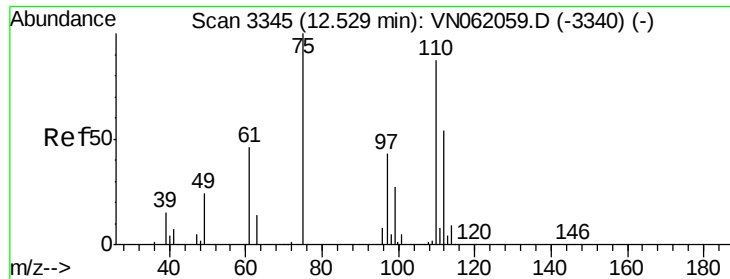
Abundance Ion 43.00 (42.70 to 43.70): V

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: 24.731 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062191.D

Acq: 29 Jun 2020 16:30

Instrument :

MSVOA_N

ClientSampleId :

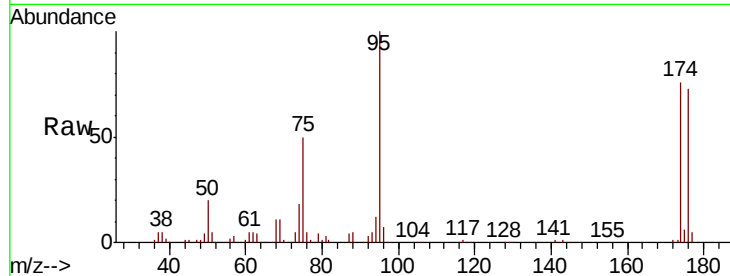
TB04-20200625

Tot Ion: 75 Resp: 80556

Ion Ratio Lower Upper

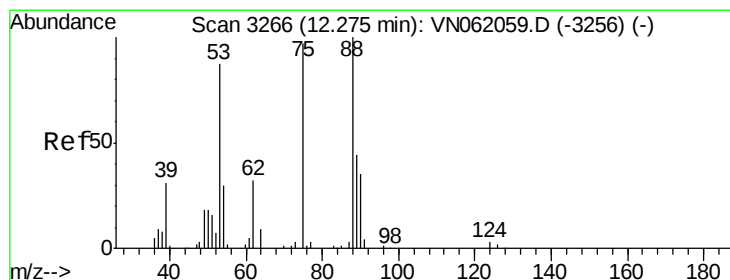
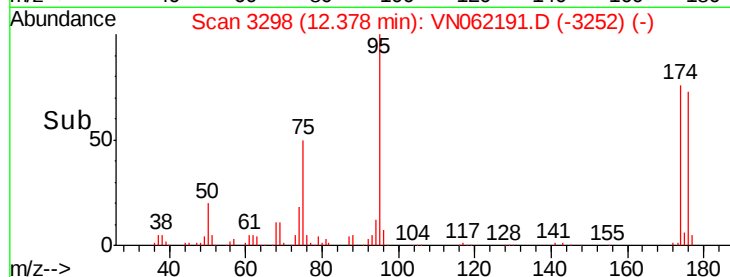
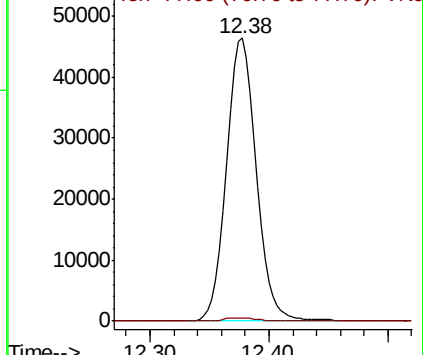
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 72.224 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062191.D

Acq: 29 Jun 2020 16:30

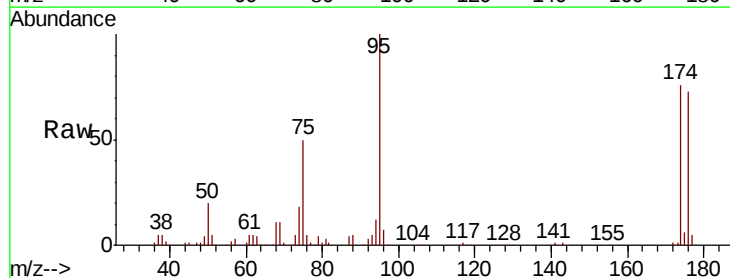
Tgt Ion: 75 Resp: 80556

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

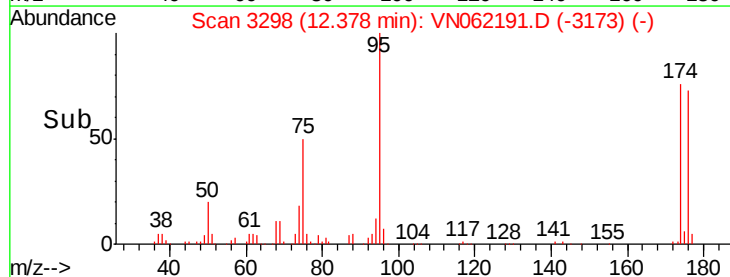
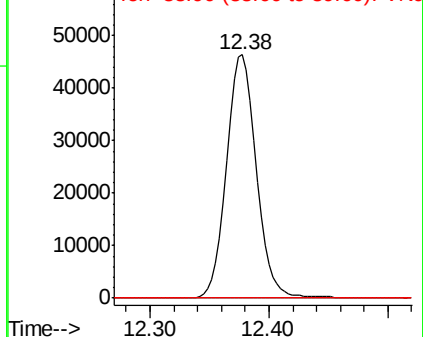
89 0.0 36.9 55.3#

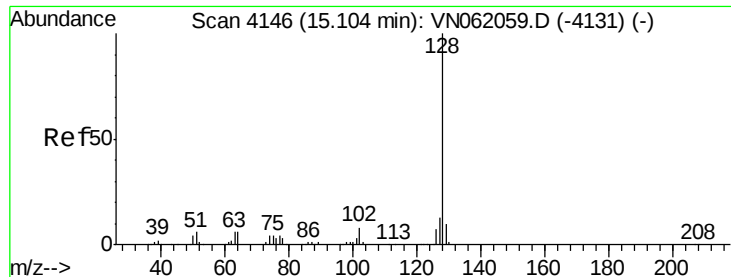


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95

Naphthalene

Concen: 4.010 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062191.D

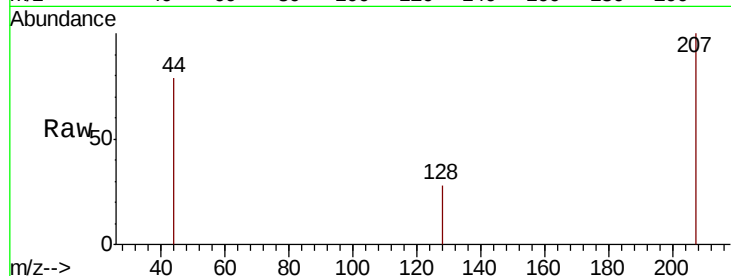
Acq: 29 Jun 2020 16:30

Instrument :

MSVOA_N

ClientSampleId :

TB04-20200625



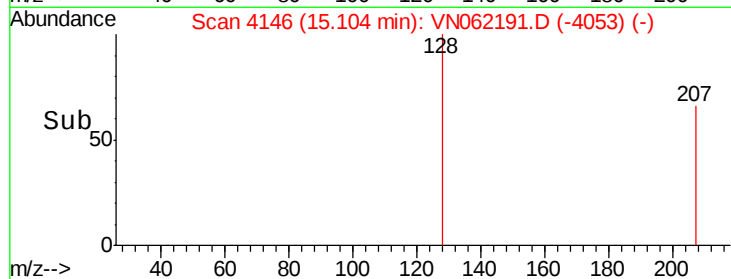
Tot Ion:128 Resp: 109

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

