

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063020\
 Data File : VN062247.D
 Acq On : 30 Jun 2020 18:15
 Operator : JC/MD
 Sample : L3170-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FIELD-BLANK

Quant Time: Jul 01 03:37:36 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	194156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	371951	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	357572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	126087	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	148582	54.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.06%	
35) Dibromofluoromethane	7.55	113	121666	50.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.98%	
50) Toluene-d8	10.06	98	481474	50.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.38	95	152650	47.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.74%	

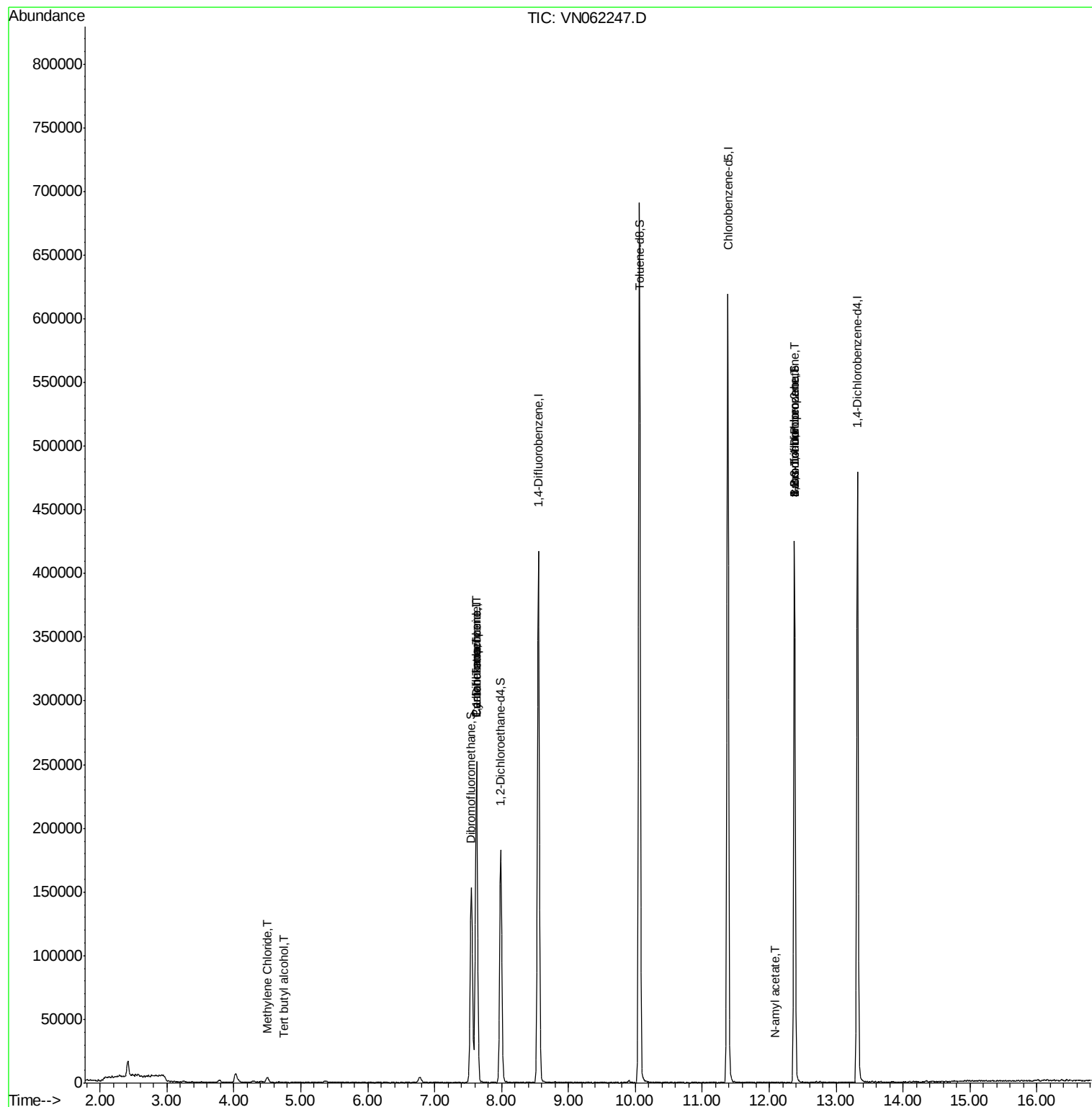
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	216	Below Cal	#	41
11) Tert butyl alcohol	4.74	59	97	0.248	ug/l #	72
16) Acetone	3.79	43	3012	Below Cal	#	87
20) Methylene Chloride	4.50	84	2588	0.822	ug/l #	89
31) Cyclohexane	7.63	56	4763	1.265	ug/l #	33
36) 1,1-Dichloropropene	7.63	75	17026	4.554	ug/l #	45
38) Carbon Tetrachloride	7.63	117	20167	5.722	ug/l #	16
71) Bromoform	12.37	173	931	0.482	ug/l #	1
74) N-amyl acetate	12.08	43	60	3.359	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	78092	26.310	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	78092	76.834	ug/l #	13

(#) = 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: VN062247.D

Acq: 30 Jun 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

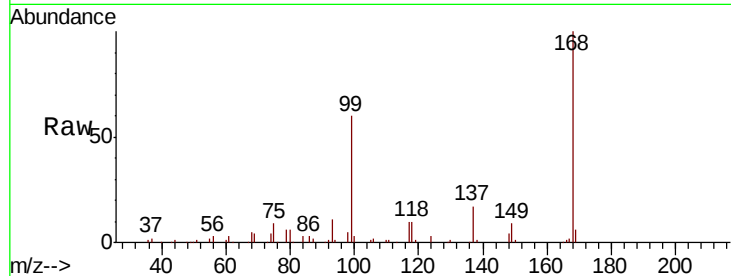
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Tot Ion:168 Resp: 194156

Ion Ratio Lower Upper

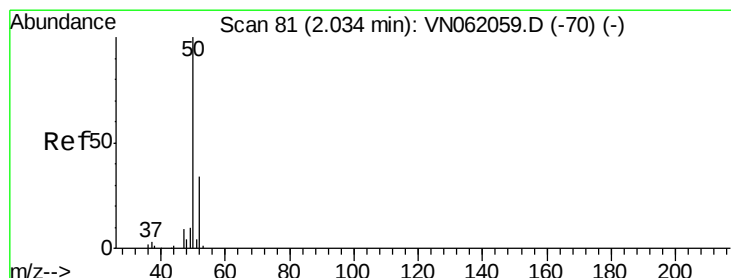
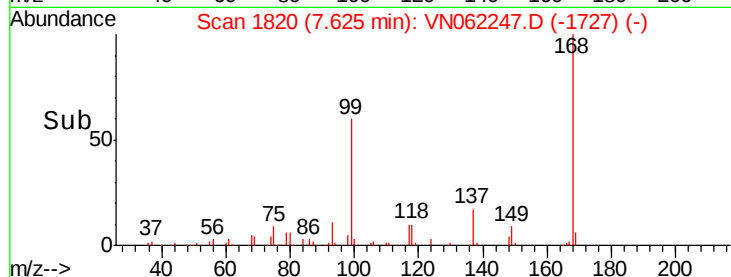
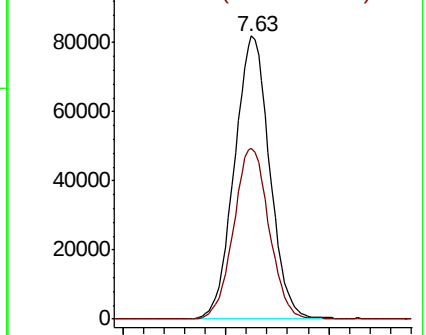
168 100

99 60.2 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN062247.D

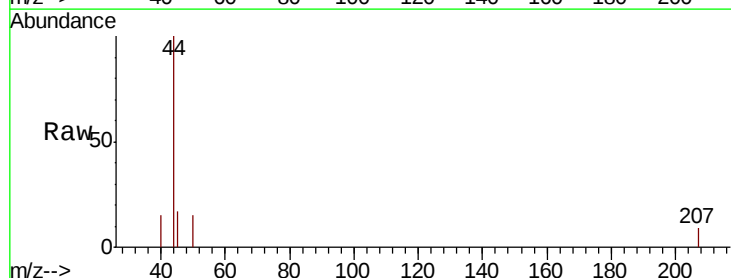
Acq: 30 Jun 2020 18:15

Tgt Ion: 50 Resp: 216

Ion Ratio Lower Upper

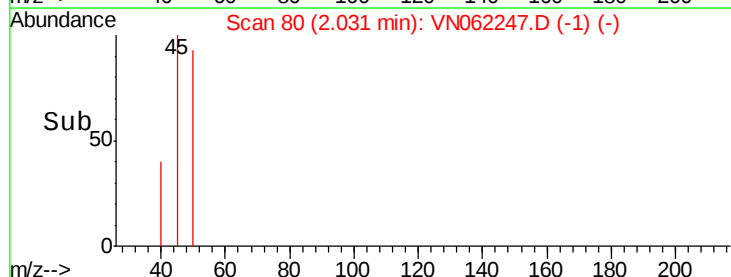
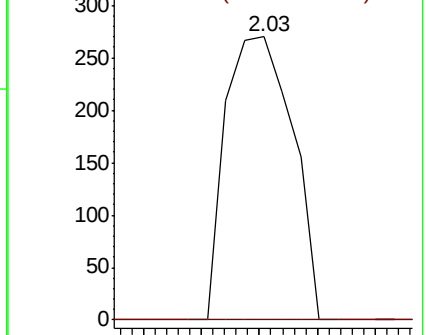
50 100

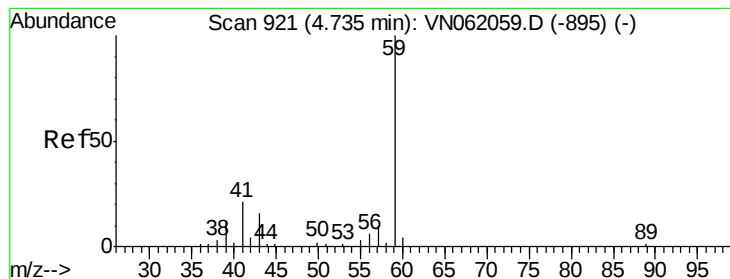
52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



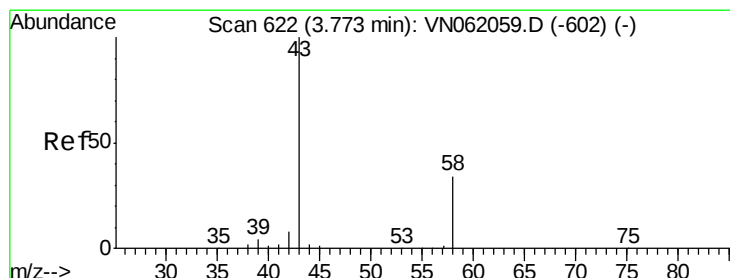
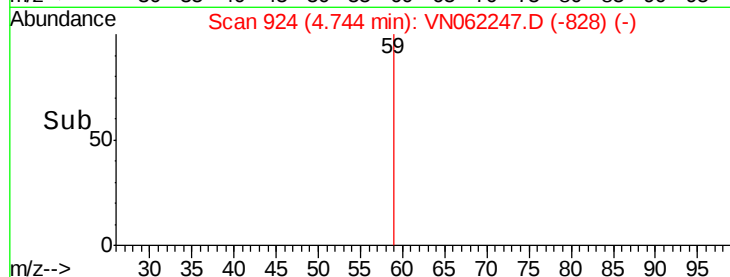
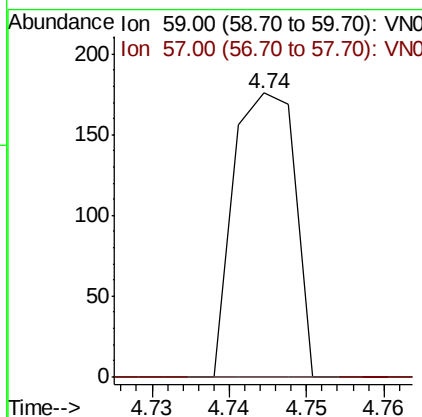
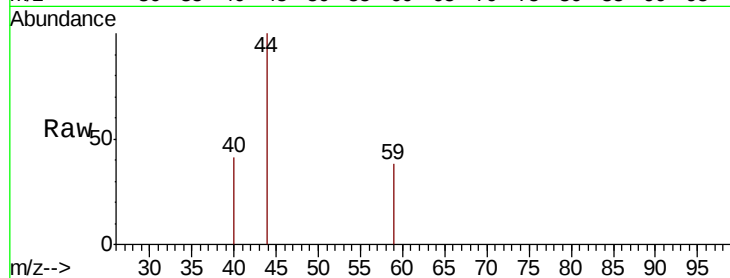


#11

Tert butyl alcohol
 Concen: 0.248 ug/l
 RT: 4.74 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VN062247.D
 Acq: 30 Jun 2020 18:15

Instrument :
 MSVOA_N
 ClientSampled :
 FIELD-BLANK

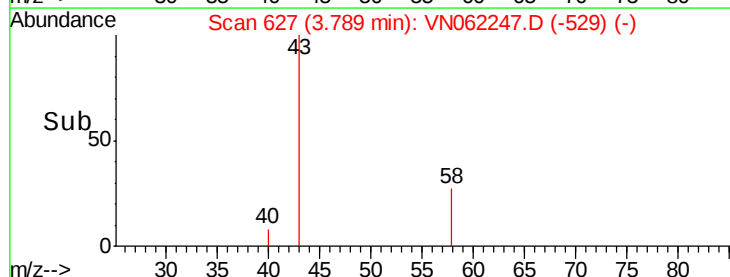
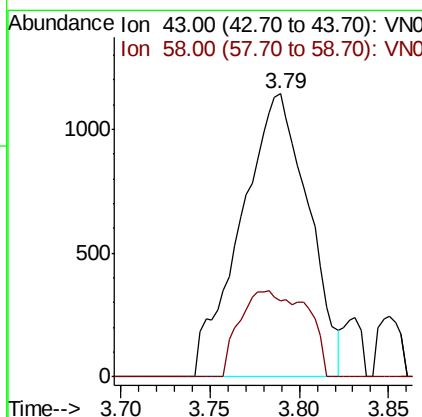
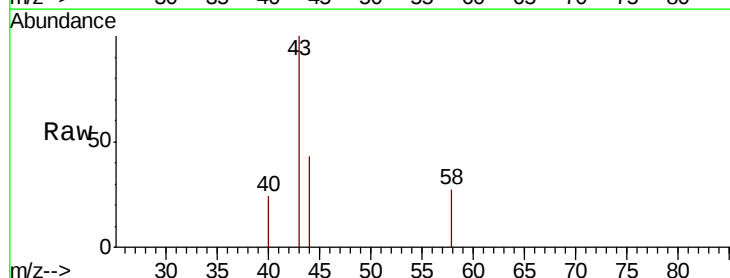
Tot Ion: 59 Resp: 97
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

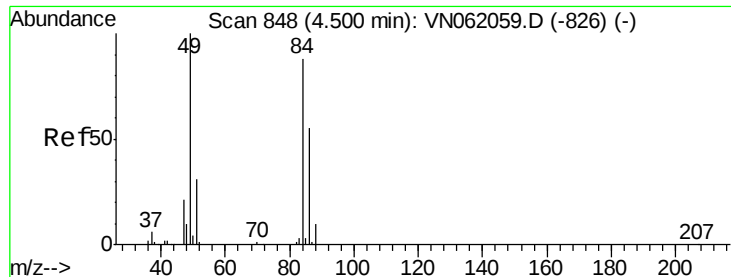


#16

Acetone
 Concen: Below Cal
 RT: 3.79 min Scan# 627
 Delta R.T. 0.02 min
 Lab File: VN062247.D
 Acq: 30 Jun 2020 18:15

Tgt Ion: 43 Resp: 3012
 Ion Ratio Lower Upper
 43 100
 58 26.7 27.5 41.3#

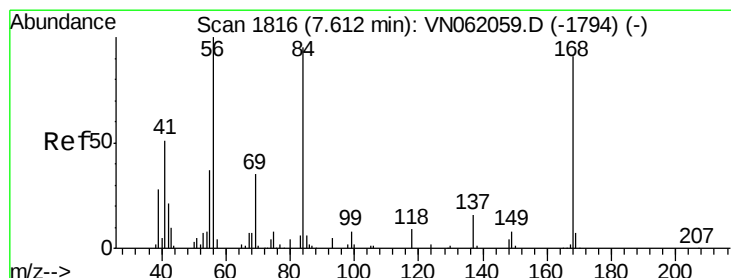
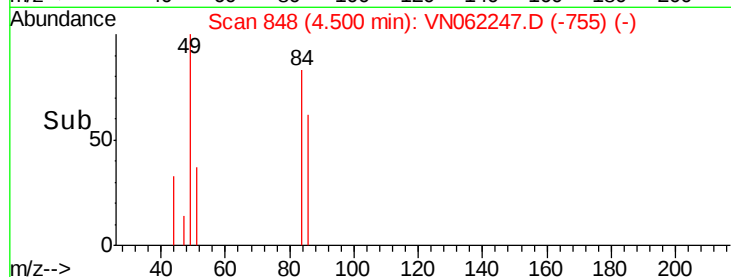
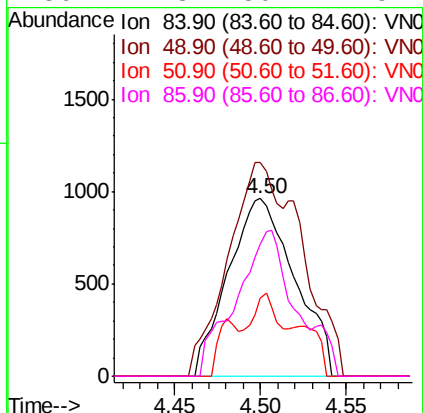
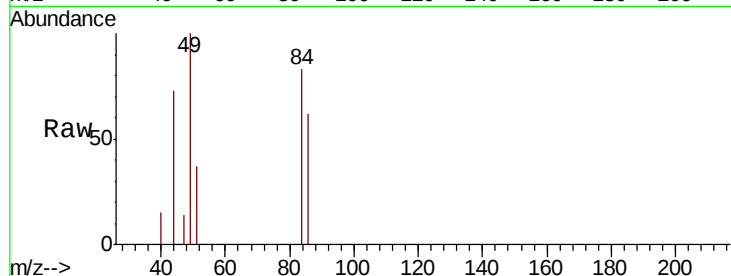




#20
Methvlene Chloride
Concen: 0.822 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062247.D
Acq: 30 Jun 2020 18:15

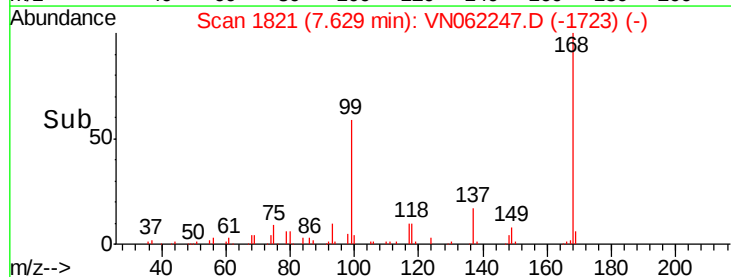
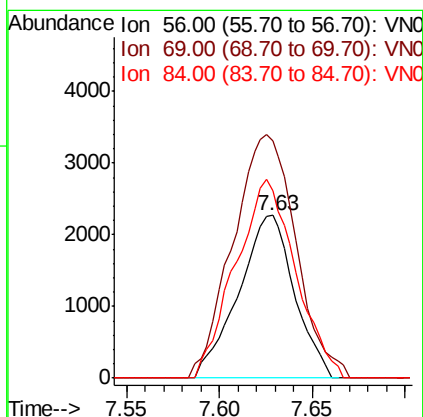
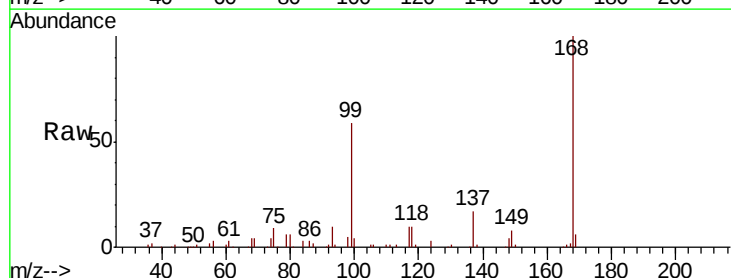
Instrument :
MSVOA_N
ClientSampled :
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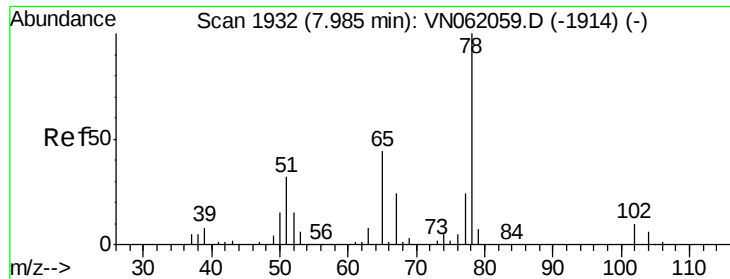
Tot Ion: 84 Resp: 2588
Ion Ratio Lower Upper
84 100
49 120.1 90.6 136.0
51 44.0 27.8 41.8#
86 74.3 50.1 75.1



#31
Cyclohexane
Concen: 1.265 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN062247.D
Acq: 30 Jun 2020 18:15

Tgt Ion: 56 Resp: 4763
Ion Ratio Lower Upper
56 100
69 145.9 28.0 42.0#
84 115.3 76.1 114.1#

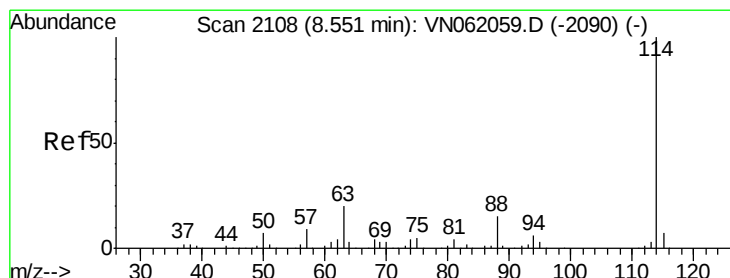
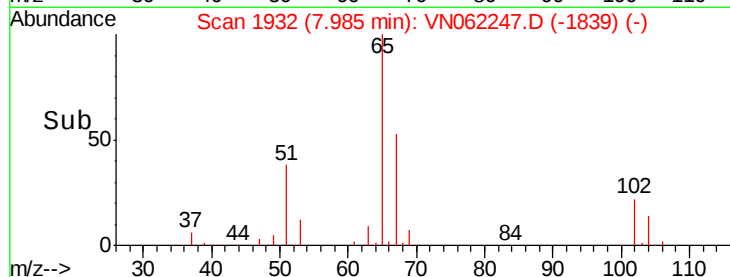
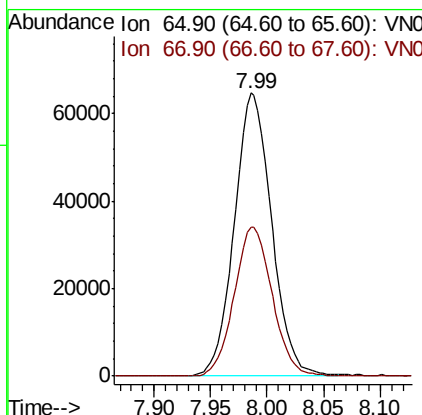
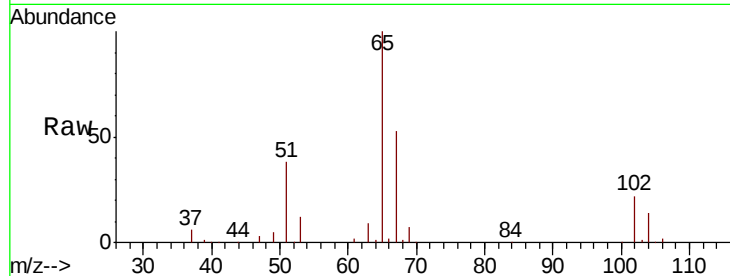




#33
 1,2-Dichloroethane-d4
 Concen: 54.532 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: VN062247.D
 Acq: 30 Jun 2020 18:15

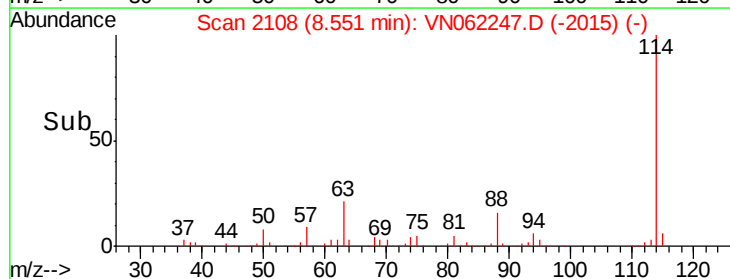
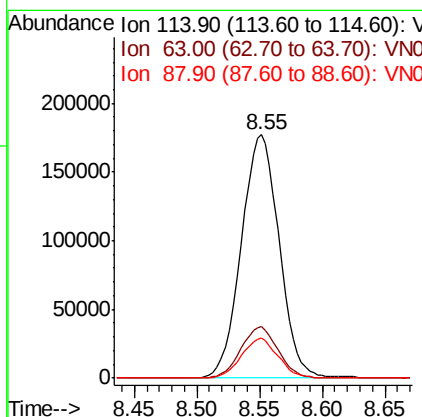
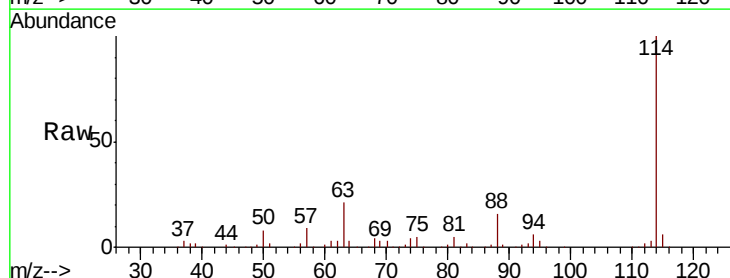
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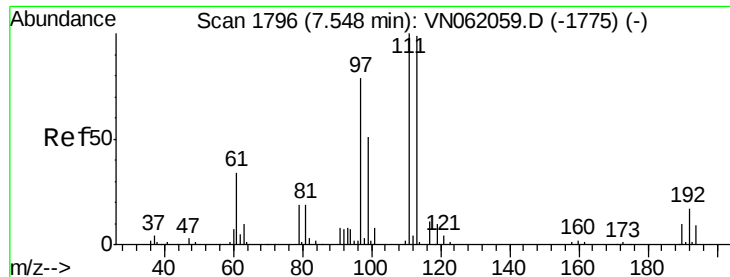
Tot Ion: 65 Resp: 148582
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062247.D
 Acq: 30 Jun 2020 18:15

Tgt Ion: 114 Resp: 371951
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 39.2
 88 16.3 0.0 30.8

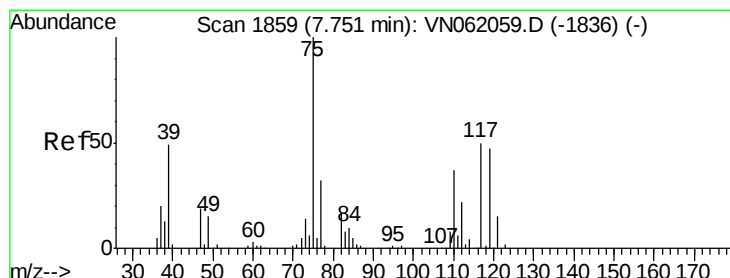
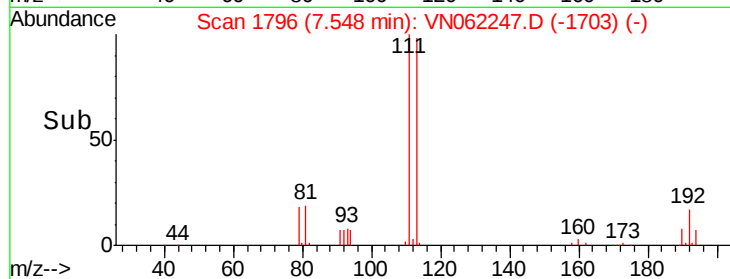
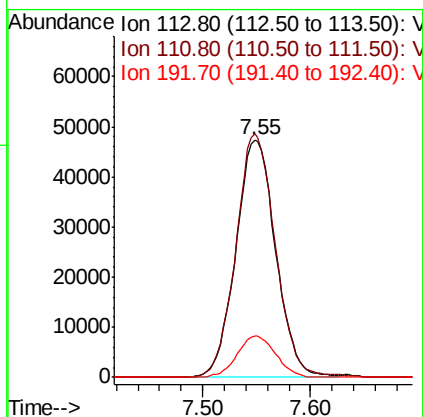
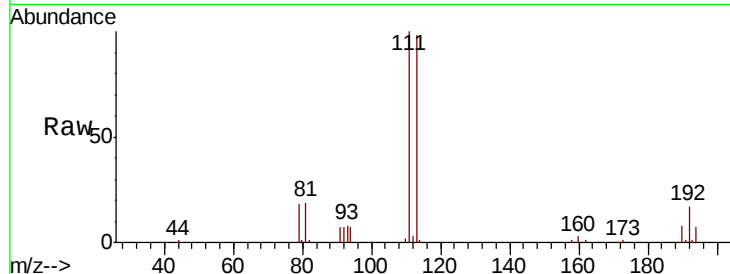




#35
 Dibromofluoromethane
 Concen: 50.986 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062247.D
 Acq: 30 Jun 2020 18:15

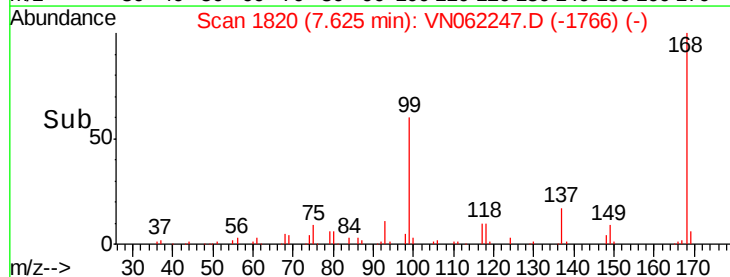
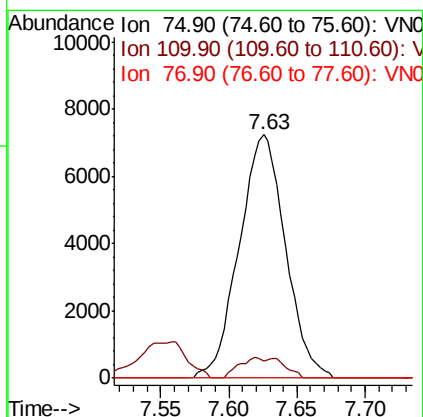
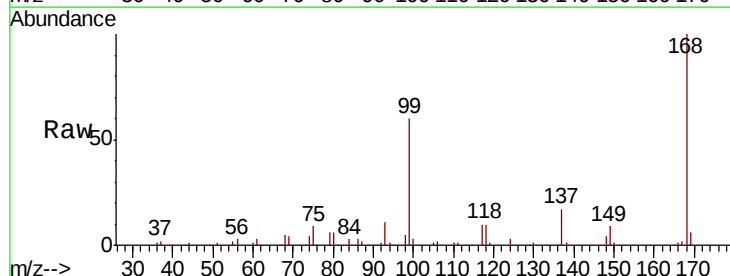
Instrument :
 MSVOA_N
 ClientSampleId :
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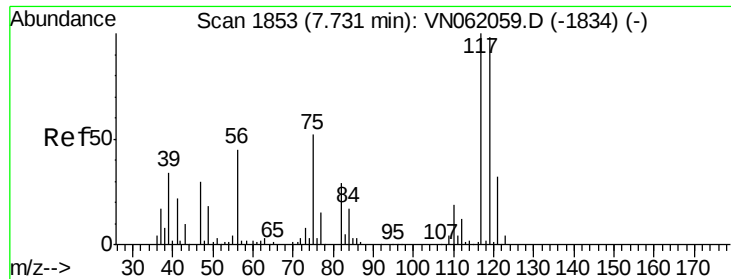
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.2	123.4
192	17.0	14.0	21.0



#36
 1,1-Dichloropropene
 Concen: 4.554 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062247.D
 Acq: 30 Jun 2020 18:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.4	17.9	53.8#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.722 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062247.D

Acq: 30 Jun 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

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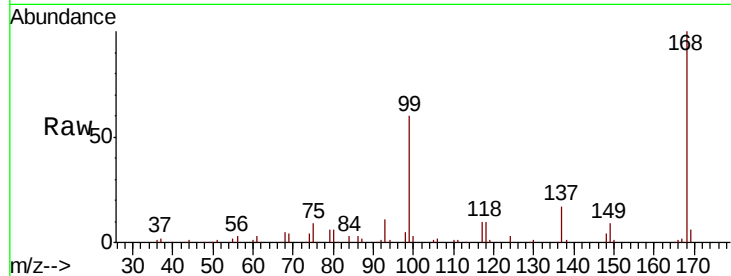
Tot Ion:117 Resp: 20167

Ion Ratio Lower Upper

117 100

119 6.4 78.2 117.2#

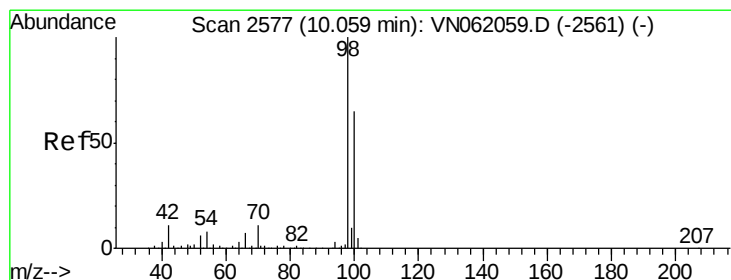
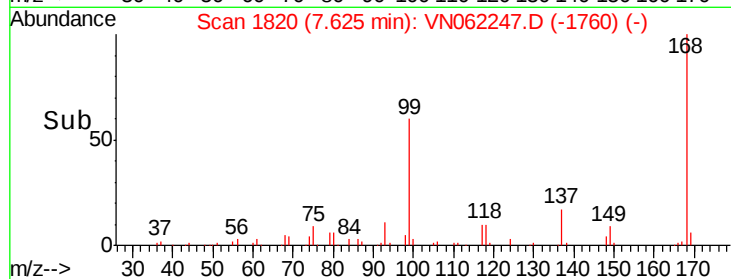
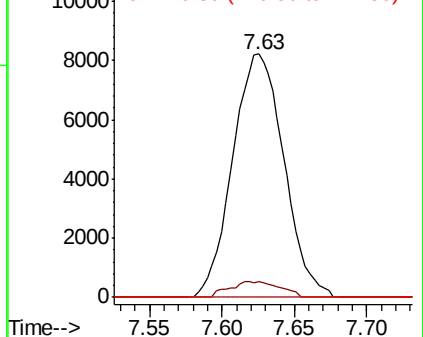
121 0.0 25.8 38.6#



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: 50.476 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062247.D

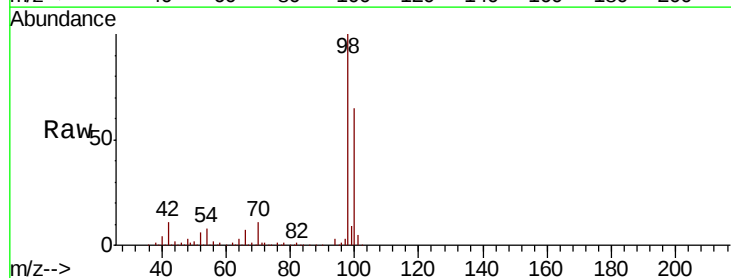
Acq: 30 Jun 2020 18:15

Tgt Ion: 98 Resp: 481474

Ion Ratio Lower Upper

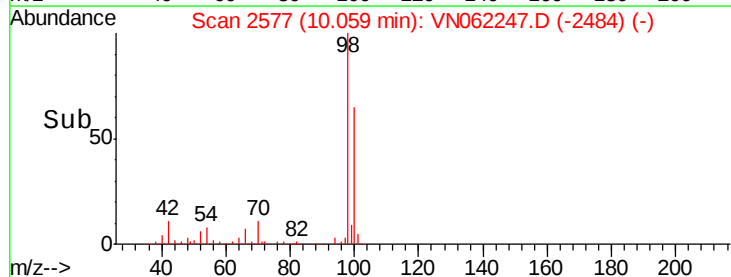
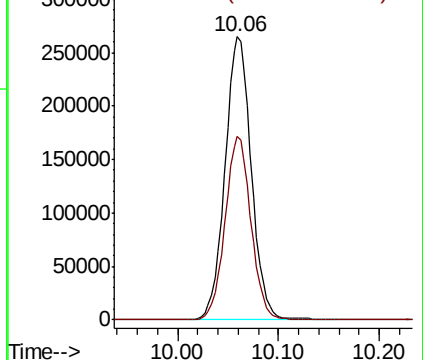
98 100

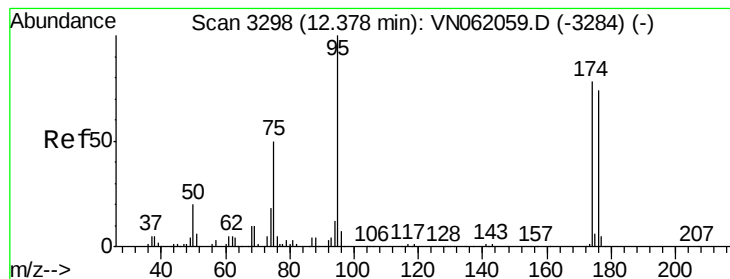
100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 47.367 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062247.D

Acq: 30 Jun 2020 18:15

Instrument :

MSVOA_N

ClientSampled :

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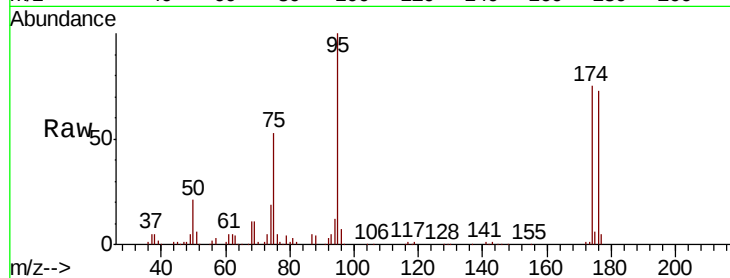
Tot Ion: 95 Resp: 152650

Ion Ratio Lower Upper

95 100

174 72.4 0.0 154.8

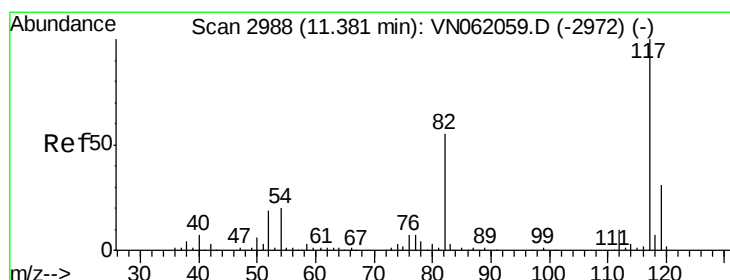
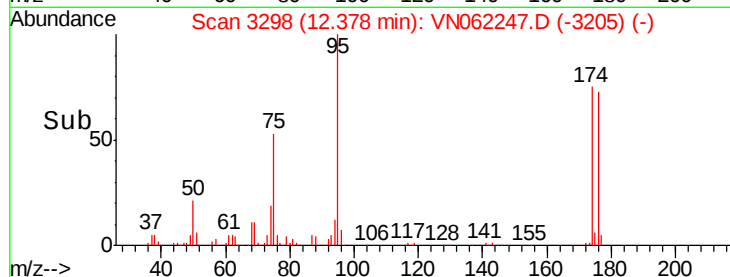
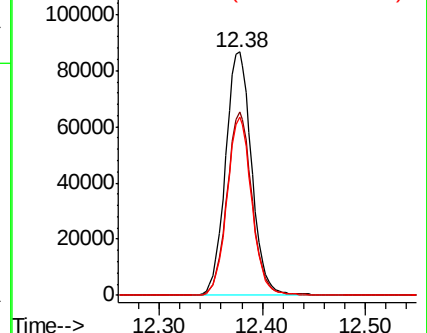
176 69.5 0.0 147.4



Abundance Ion 94.90 (94.60 to 95.60): VN062247.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062247.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062247.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062247.D

Acq: 30 Jun 2020 18:15

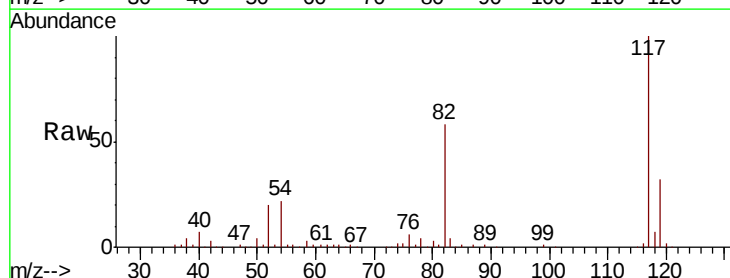
Tgt Ion: 117 Resp: 357572

Ion Ratio Lower Upper

117 100

82 57.5 43.8 65.8

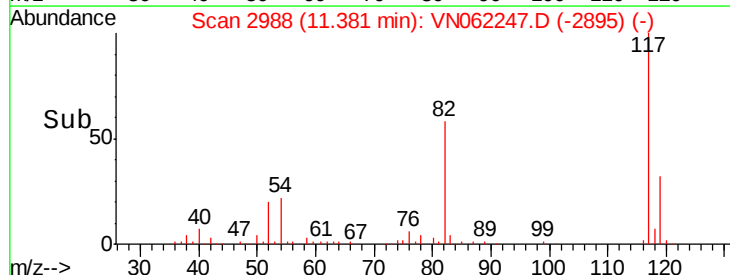
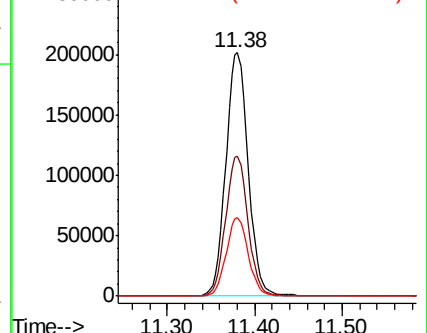
119 32.0 25.2 37.8

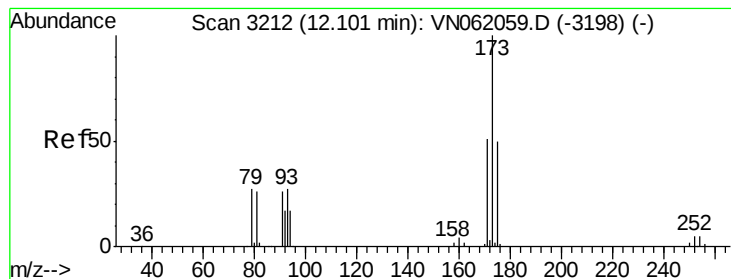


Abundance Ion 116.90 (116.60 to 117.60): VN062247.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062247.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062247.D (-2895) (-)





#71

Bromoform

Concen: 0.482 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN062247.D

Acq: 30 Jun 2020 18:15

Instrument :

MSVOA_N

ClientSampled :

FIELD-BLANK

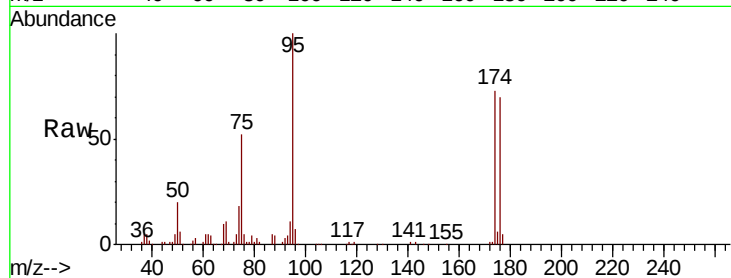
Tot Ion:173 Resp: 931

Ion Ratio Lower Upper

173 100

175 767.5 24.7 74.1#

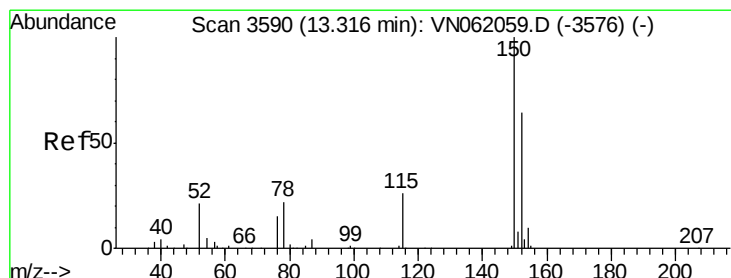
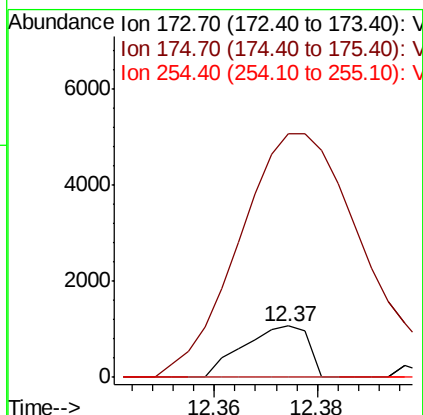
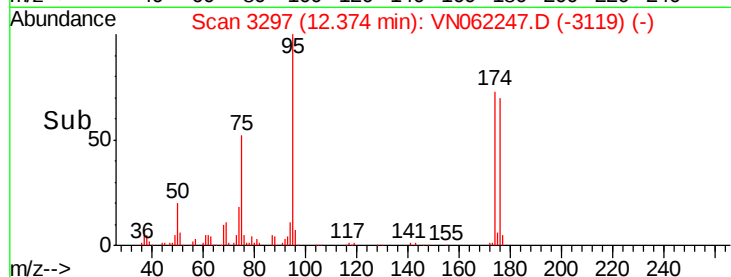
254 0.0 0.0 0.0



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: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062247.D

Acq: 30 Jun 2020 18:15

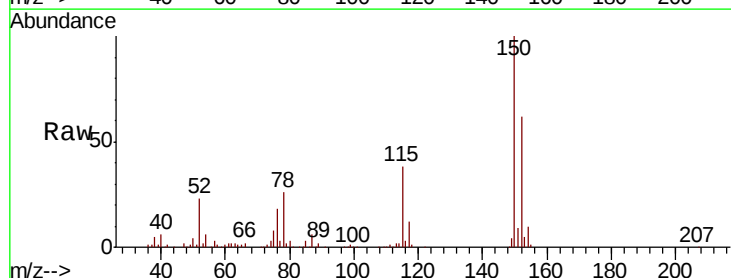
Tgt Ion:152 Resp: 126087

Ion Ratio Lower Upper

152 100

115 61.0 29.5 88.5

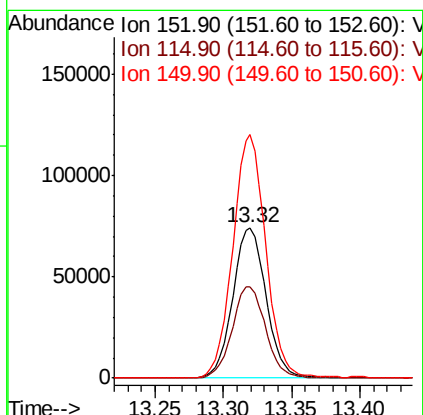
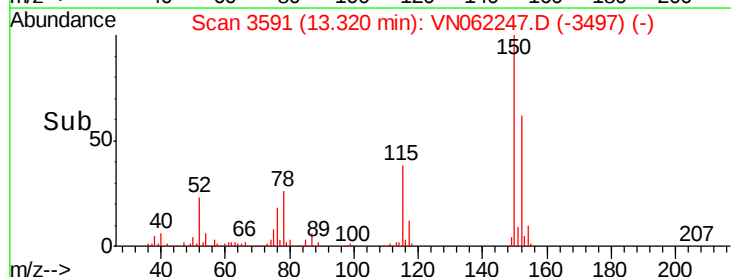
150 159.8 0.0 351.4

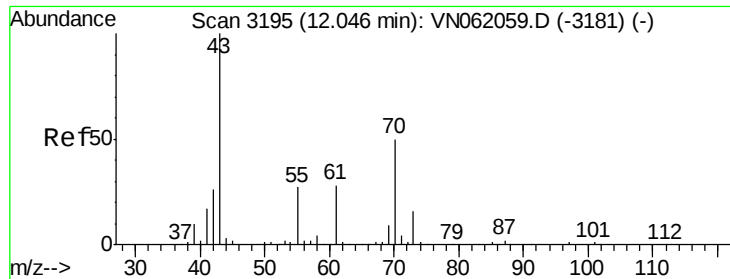


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amyl acetate

Concen: 3.359 ug/l

RT: 12.08 min Scan# 3207

Delta R.T. 0.04 min

Lab File: VN062247.D

Acq: 30 Jun 2020 18:15

Instrument :

MSVOA_N

ClientSampled :

FIELD-BLANK

Tot Ion: 43 Resp: 60

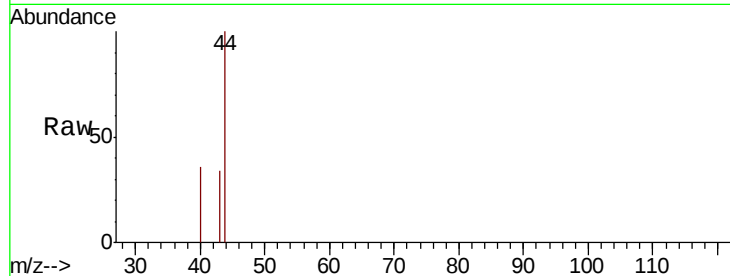
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#

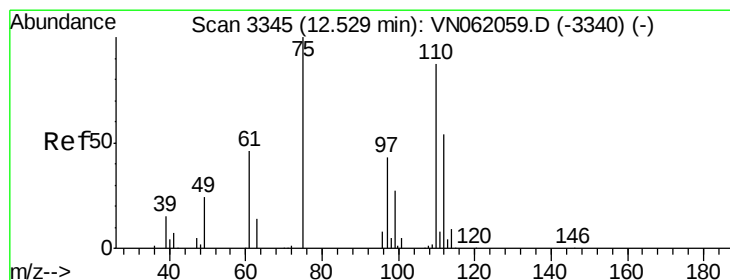
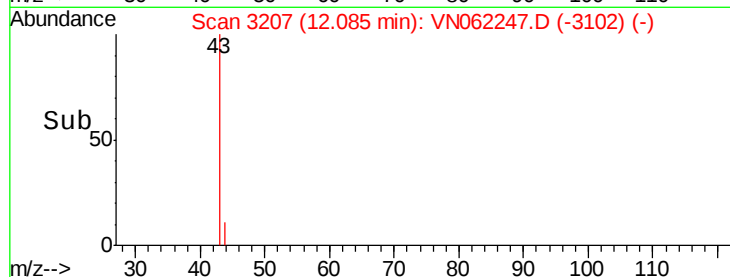
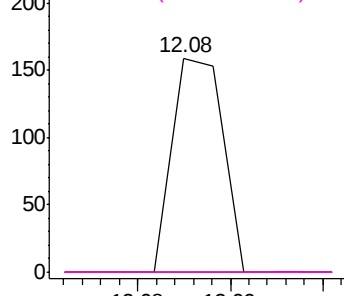


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 26.310 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062247.D

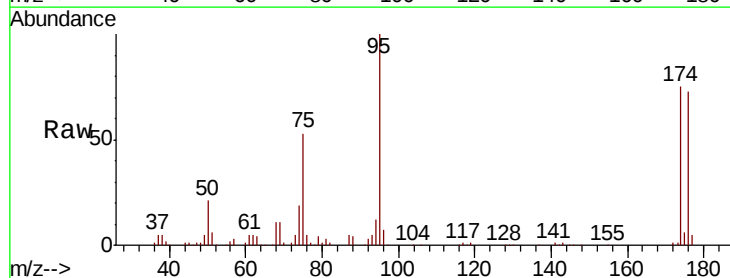
Acq: 30 Jun 2020 18:15

Tgt Ion: 75 Resp: 78092

Ion Ratio Lower Upper

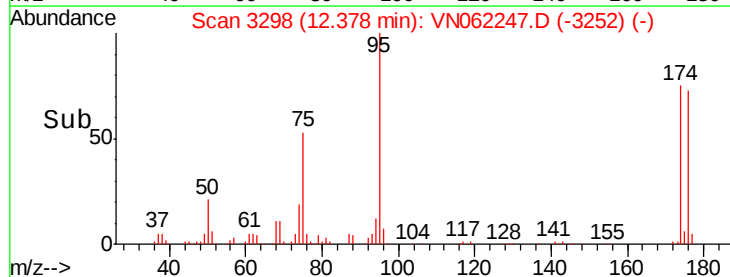
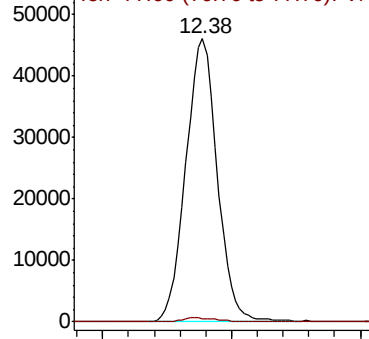
75 100

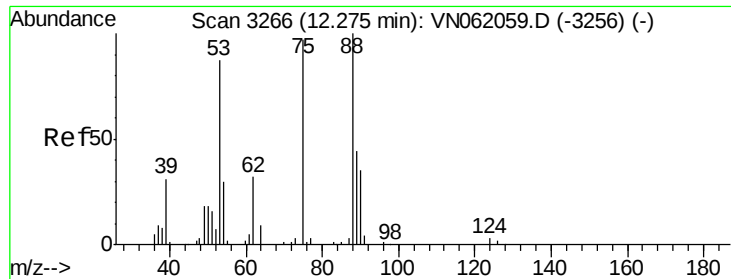
77 1.5 0.0 0.0#



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: 76.834 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062247.D

Acq: 30 Jun 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

FIELD-BLANK

Tot Ion: 75 Resp: 78092

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.0 36.9 55.3#

