

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN062520\
 Data File : VN062101.D
 Acq On : 25 Jun 2020 10:52
 Operator : JC/MD
 Sample : VN0625MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625MBL01

Quant Time: Jun 26 01:42:38 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	7.62	168	212193	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	401353	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	381303	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	141790	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	154229	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
35) Dibromofluoromethane	7.54	113	130393	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
50) Toluene-d8	10.06	98	503794	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
62) 4-Bromofluorobenzene	12.38	95	163722	47.08	ug/l	0.00
Spiked Amount			Recovery	=	94.16%	

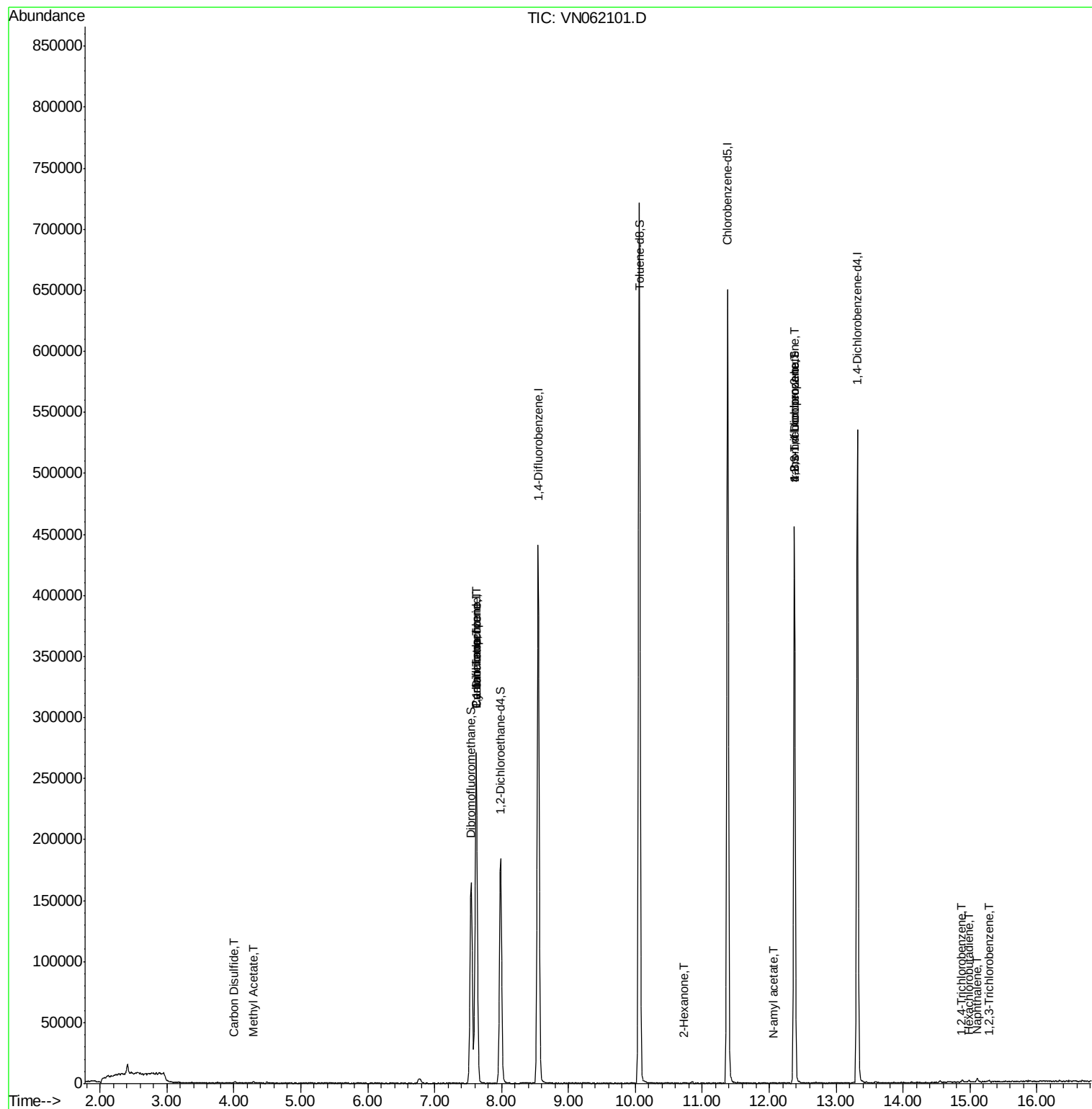
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	352	Below Cal	#	41
16) Acetone	3.76	43	434	Below Cal	#	40
17) Carbon Disulfide	4.01	76	1975	0.333	ug/l #	75
18) Methyl Acetate	4.29	43	1472	0.622	ug/l #	68
20) Methylene Chloride	4.51	84	424	Below Cal	#	48
31) Cyclohexane	7.62	56	4942	1.201	ug/l #	33
36) 1,1-Dichloropropene	7.62	75	18196	4.510	ug/l #	48
38) Carbon Tetrachloride	7.62	117	21809	5.734	ug/l #	16
59) 2-Hexanone	10.73	43	1057	0.460	ug/l #	39
74) N-amyl acetate	12.05	43	399	3.435	ug/l #	38
76) 1,2,3-Trichloropropane	12.37	75	82209	24.629	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	82209	71.927	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.89	180	799	0.394	ug/l #	77
94) Hexachlorobutadiene	14.98	225	589	0.669	ug/l #	54
95) Naphthalene	15.11	128	3486	4.469	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.28	180	663	0.320	ug/l #	58

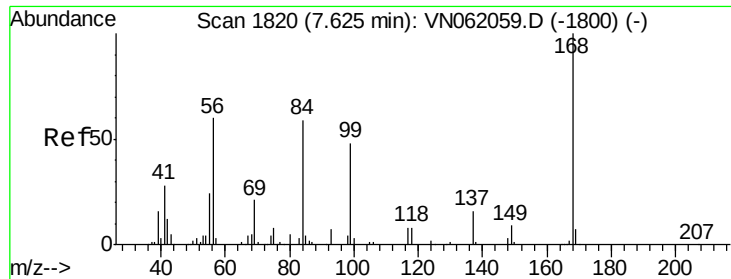
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062101.D

Acq: 25 Jun 2020 10:52

Instrument :

MSVOA_N

ClientSampleId :

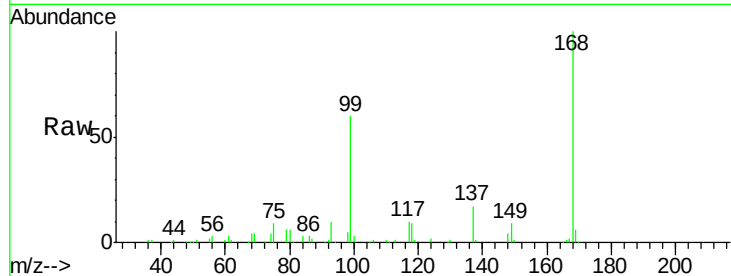
VN0625MBL01

Tgt Ion:168 Resp: 212193

Ion Ratio Lower Upper

168 100

99 60.0 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.62

80000

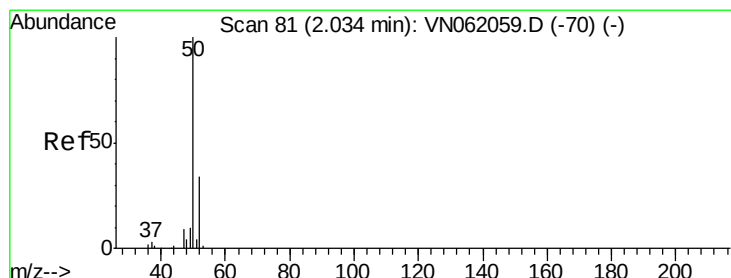
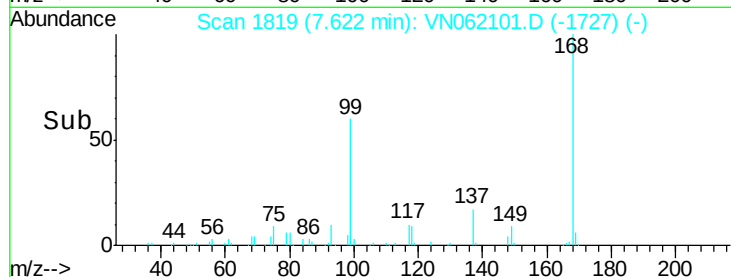
60000

40000

20000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062101.D

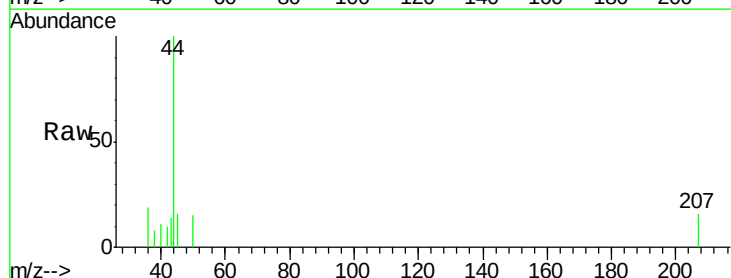
Acq: 25 Jun 2020 10:52

Tgt Ion: 50 Resp: 352

Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

300

250

200

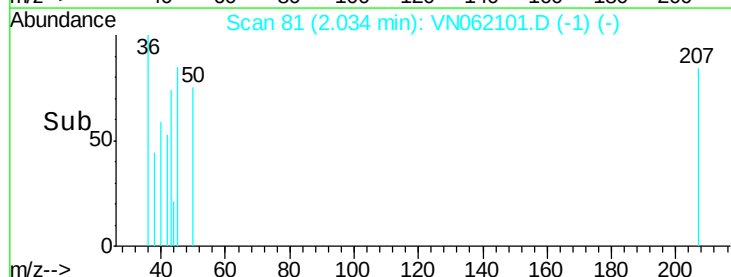
150

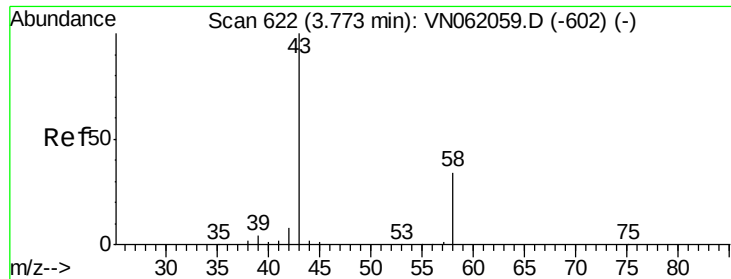
100

50

0

Time--> 2.02 2.04 2.06





#16

Acetone

Concen: Below Cal

RT: 3.76 min Scan# 619

Delta R.T. -0.01 min

Lab File: VN062101.D

Acq: 25 Jun 2020 10:52

Instrument :

MSVOA_N

ClientSampleId :

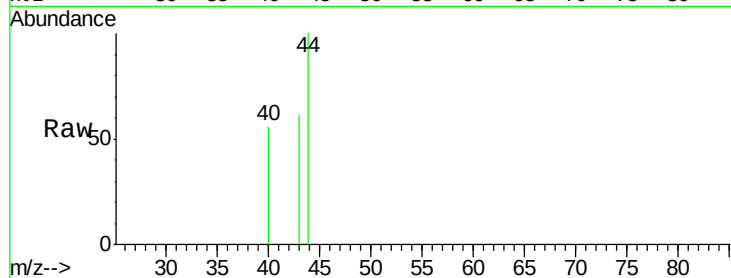
VN0625MBL01

Tgt Ion: 43 Resp: 434

Ion Ratio Lower Upper

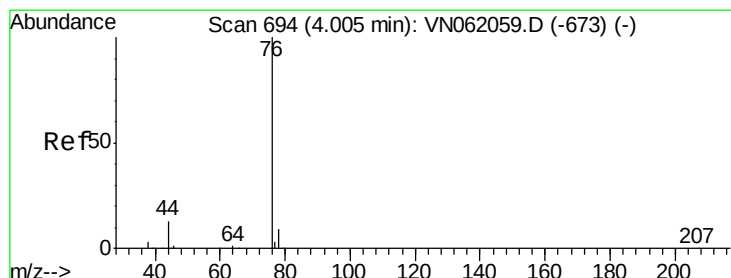
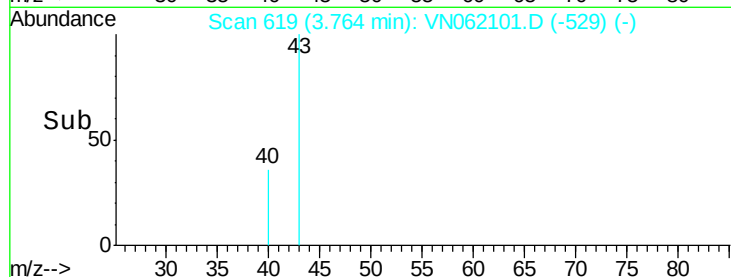
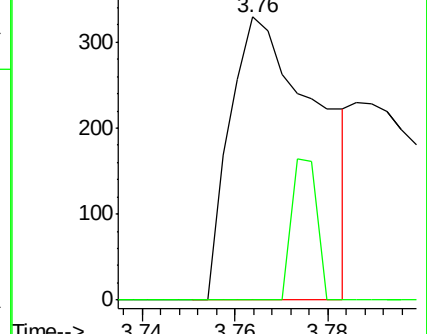
43 100

58 0.0 27.5 41.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.333 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062101.D

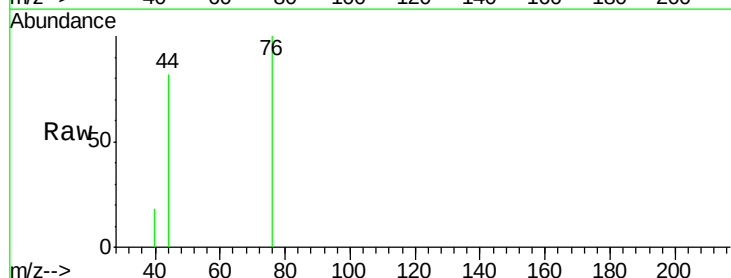
Acq: 25 Jun 2020 10:52

Tgt Ion: 76 Resp: 1975

Ion Ratio Lower Upper

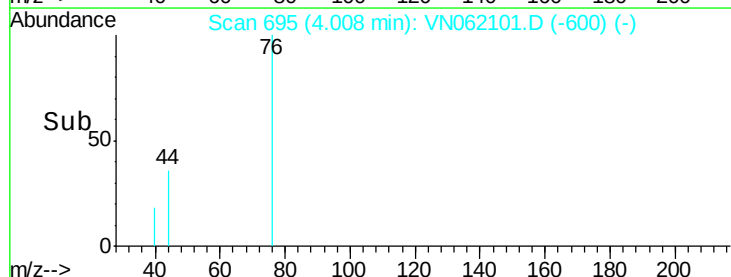
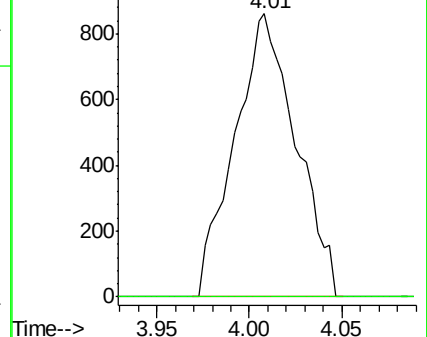
76 100

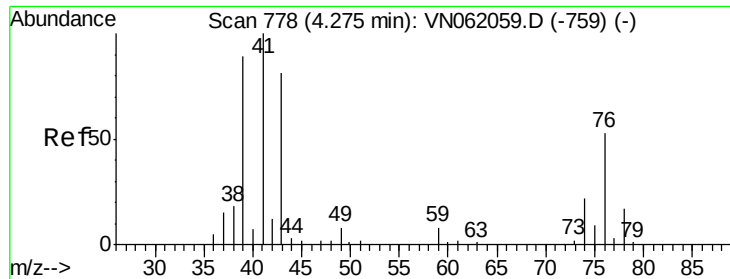
78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

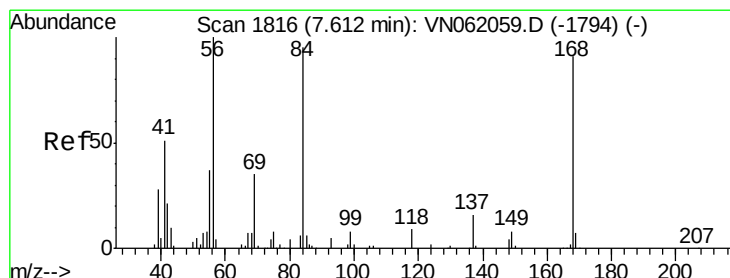
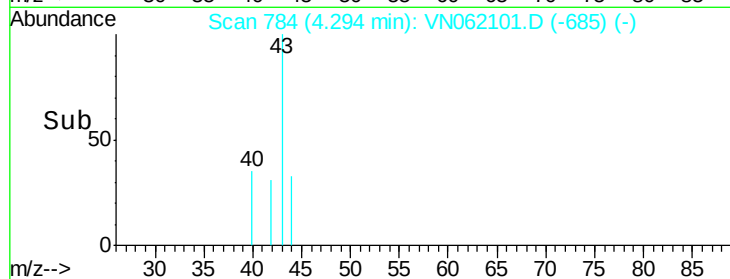
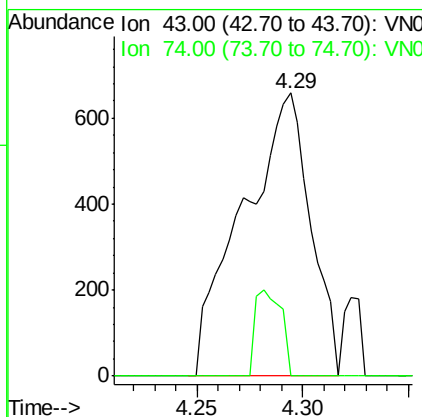
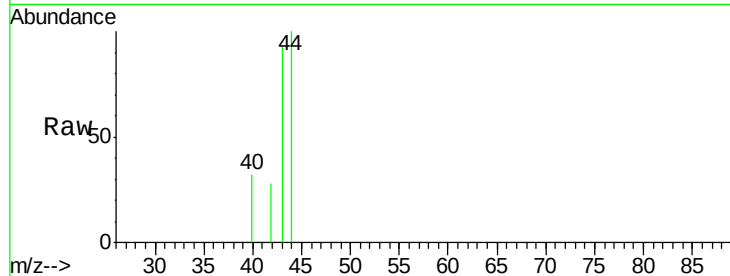




#18
Methyl Acetate
Concen: 0.622 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.02 min
Lab File: VN062101.D
Acq: 25 Jun 2020 10:52

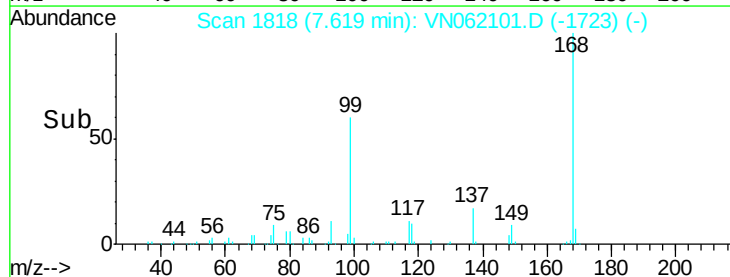
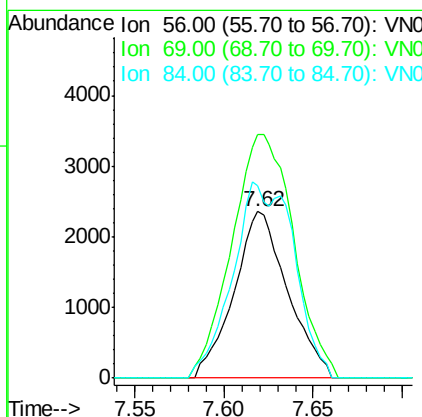
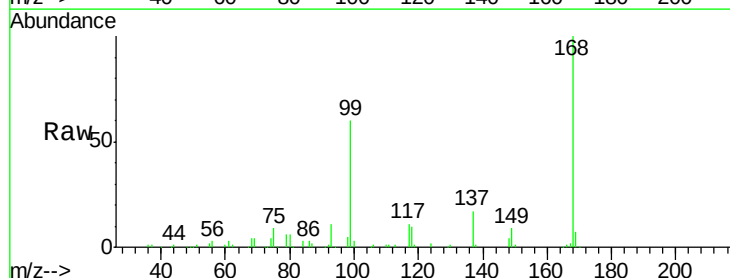
Instrument :
MSVOA_N
ClientSampleId :
VN0625MBL01

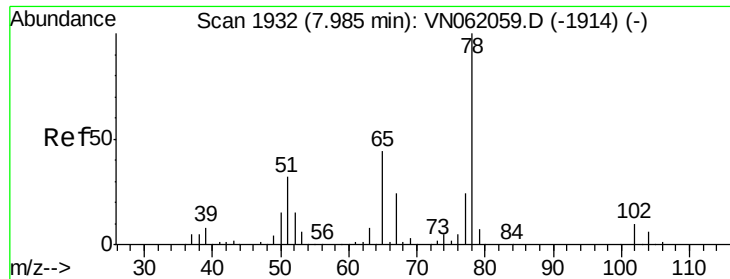
Tgt Ion: 43 Resp: 1472
Ion Ratio Lower Upper
43 100
74 11.7 22.9 34.3#



#31
Cyclohexane
Concen: 1.201 ug/l
RT: 7.62 min Scan# 1818
Delta R.T. 0.01 min
Lab File: VN062101.D
Acq: 25 Jun 2020 10:52

Tgt Ion: 56 Resp: 4942
Ion Ratio Lower Upper
56 100
69 146.3 28.0 42.0#
84 115.6 76.1 114.1#

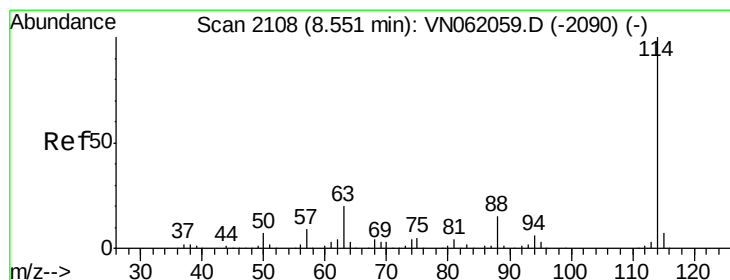
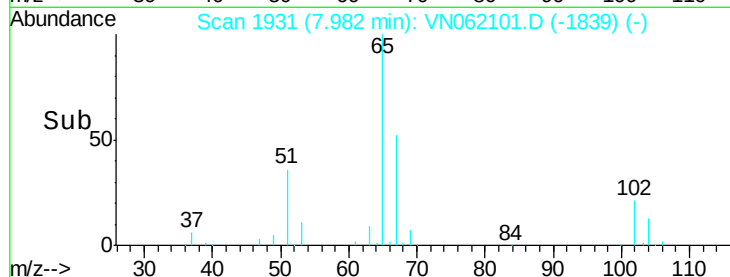
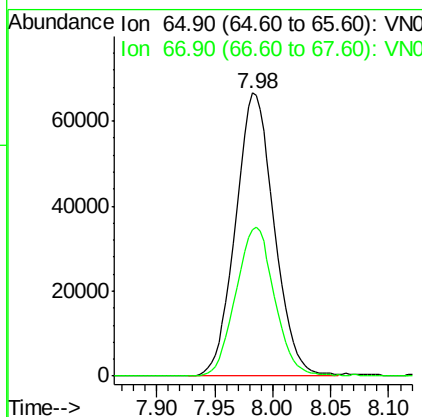
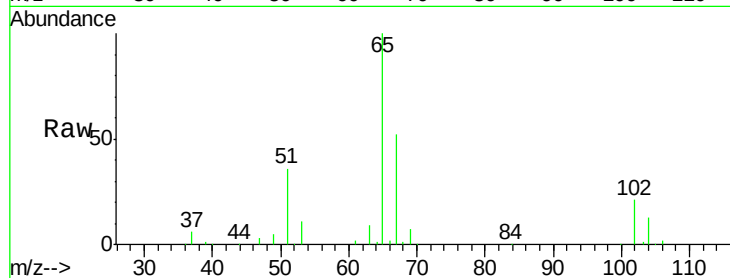




#33
 1,2-Dichloroethane-d4
 Concen: 51.793 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VN062101.D
 Acq: 25 Jun 2020 10:52

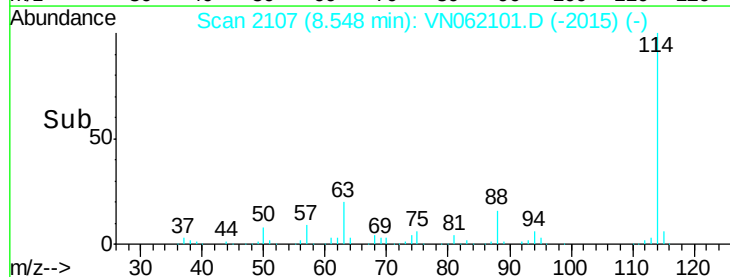
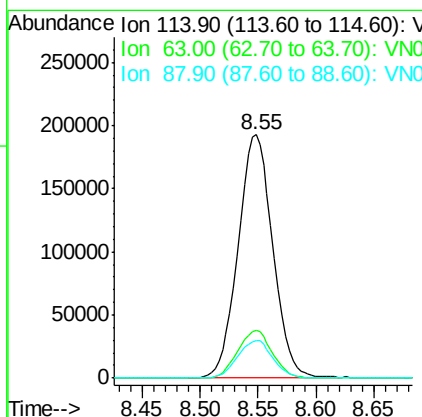
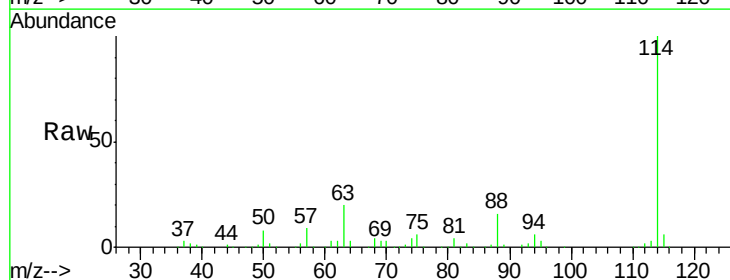
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625MBL01

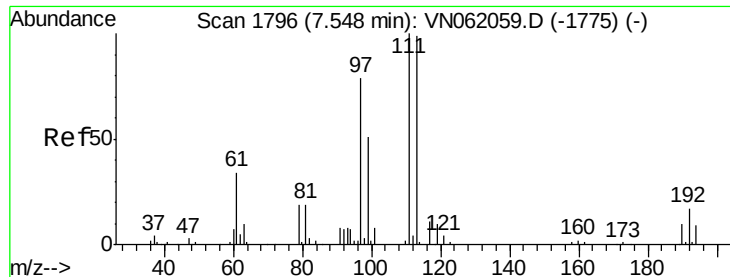
Tgt Ion: 65 Resp: 154229
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062101.D
 Acq: 25 Jun 2020 10:52

Tgt Ion: 114 Resp: 401353
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.2
 88 15.6 0.0 30.8

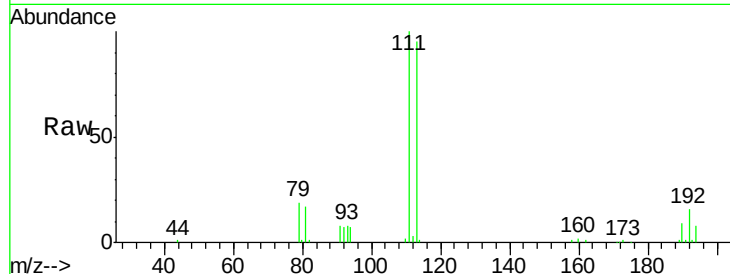




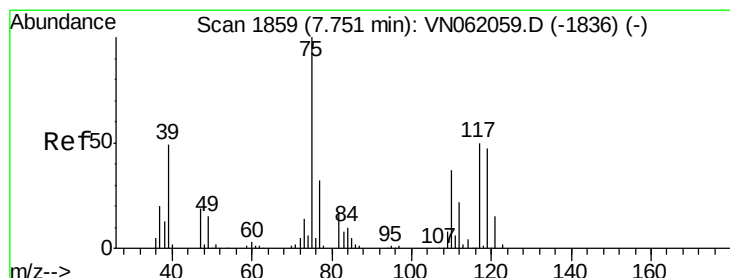
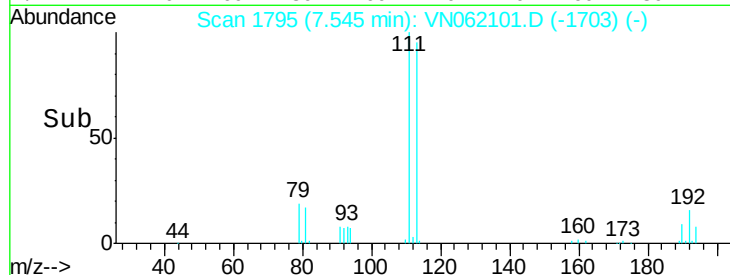
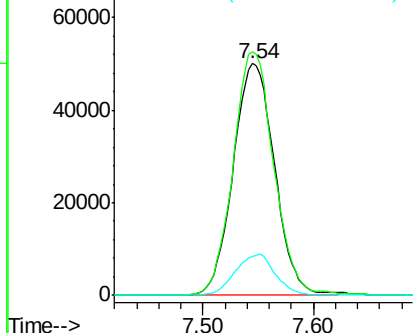
#35
 Dibromofluoromethane
 Concen: 50.641 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN062101.D
 Acq: 25 Jun 2020 10:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625MBL01

Tgt Ion: 113 Resp: 130393
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.2 123.4
 192 17.1 14.0 21.0

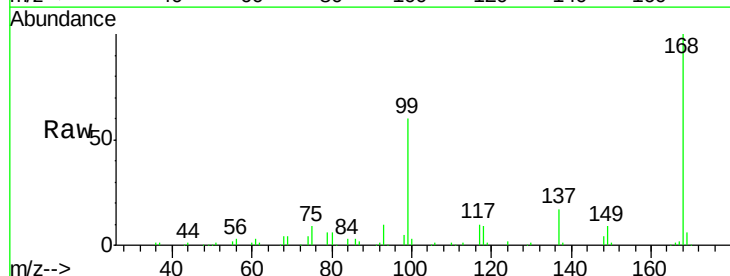


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

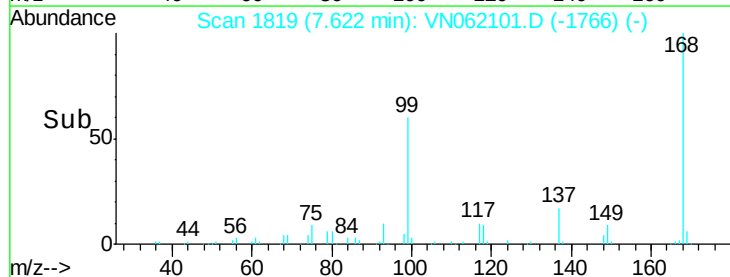
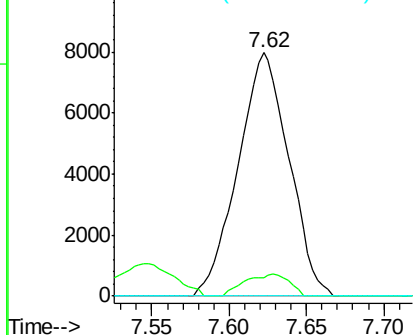


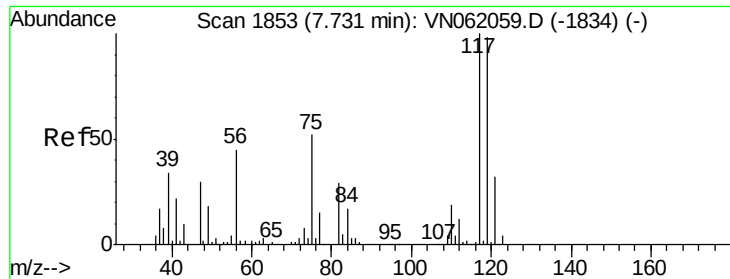
#36
 1,1-Dichloropropene
 Concen: 4.510 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062101.D
 Acq: 25 Jun 2020 10:52

Tgt Ion: 75 Resp: 18196
 Ion Ratio Lower Upper
 75 100
 110 7.9 17.9 53.8#
 77 0.0 24.9 37.3#



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: 5.734 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. -0.11 min

Lab File: VN062101.D

Acq: 25 Jun 2020 10:52

Instrument :

MSVOA_N

ClientSampleId :

VN0625MBL01

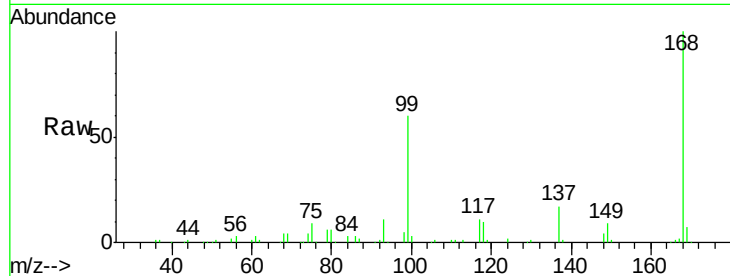
Tgt Ion: 117 Resp: 21809

Ion Ratio Lower Upper

117 100

119 5.7 78.2 117.2#

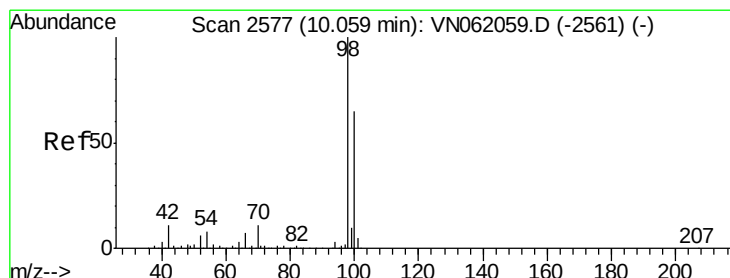
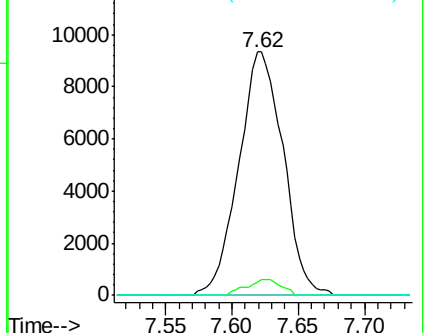
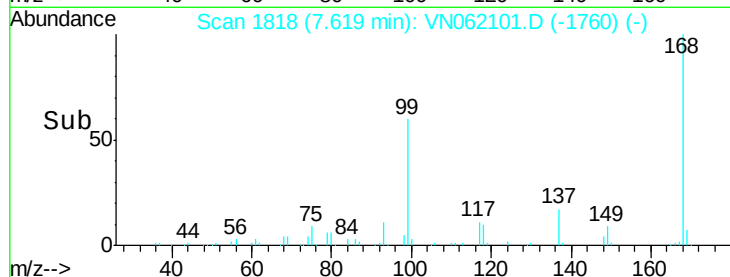
121 0.0 25.8 38.6#



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: 48.947 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062101.D

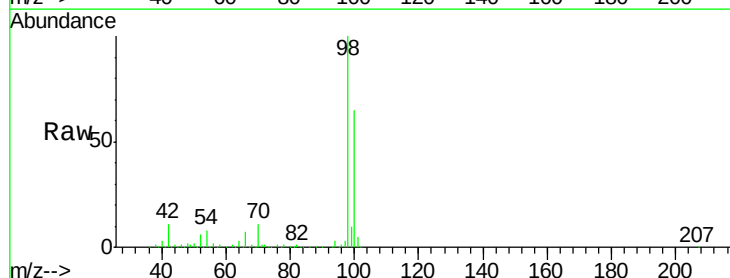
Acq: 25 Jun 2020 10:52

Tgt Ion: 98 Resp: 503794

Ion Ratio Lower Upper

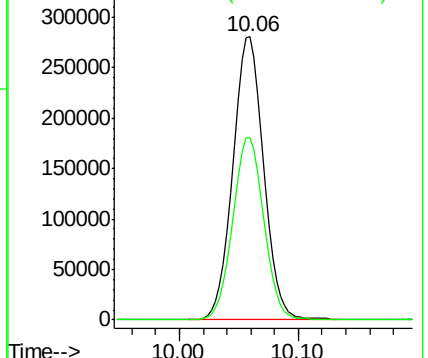
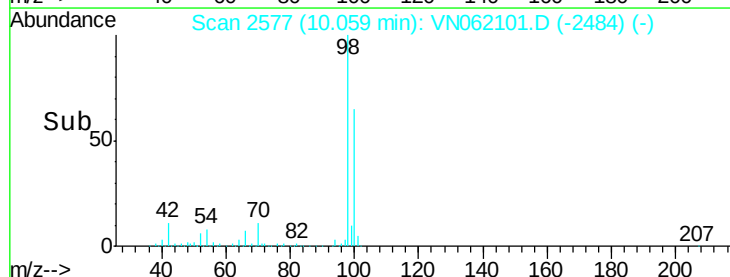
98 100

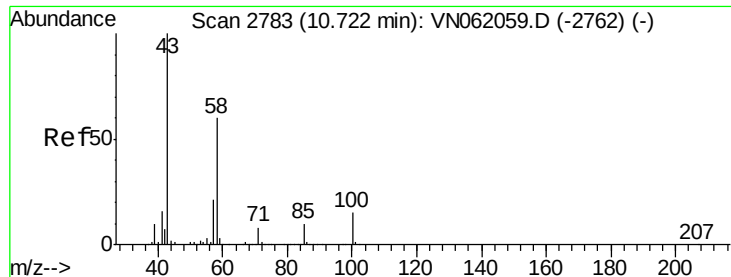
100 64.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#59

2-Hexanone

Concen: 0.460 ug/l

RT: 10.73 min Scan# 2785

Delta R.T. 0.01 min

Lab File: VN062101.D

Acq: 25 Jun 2020 10:52

Instrument :

MSVOA_N

ClientSampled :

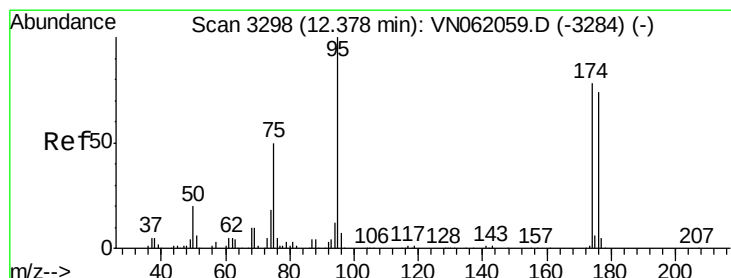
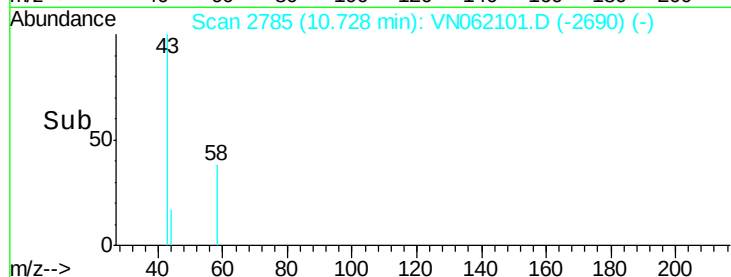
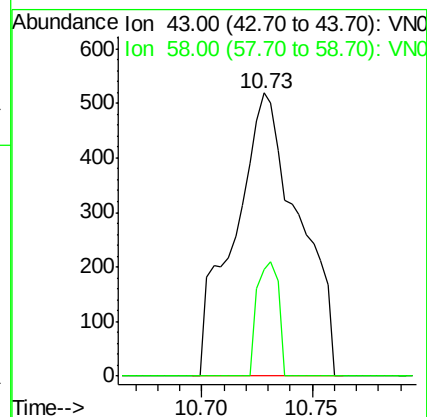
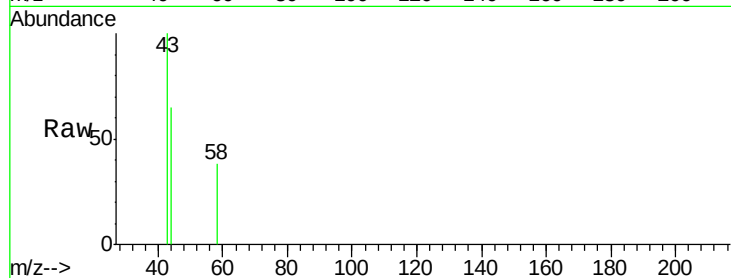
VN0625MBL01

Tgt Ion: 43 Resp: 1057

Ion Ratio Lower Upper

43 100

58 13.5 29.5 88.5#



#62

4-Bromofluorobenzene

Concen: 47.081 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062101.D

Acq: 25 Jun 2020 10:52

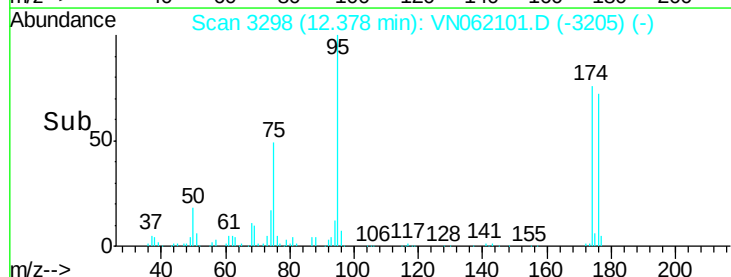
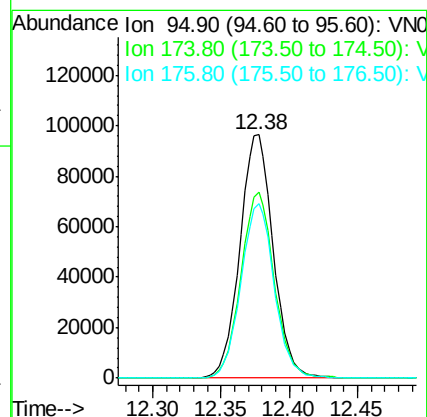
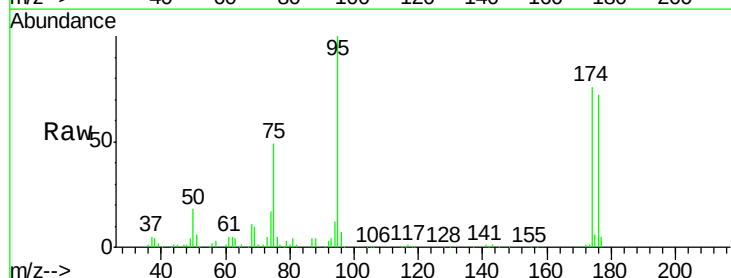
Tgt Ion: 95 Resp: 163722

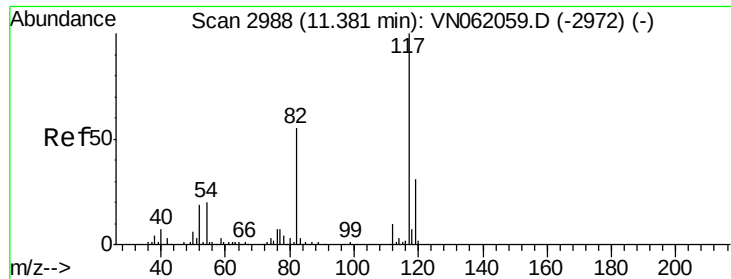
Ion Ratio Lower Upper

95 100

174 76.6 0.0 154.8

176 71.6 0.0 147.4

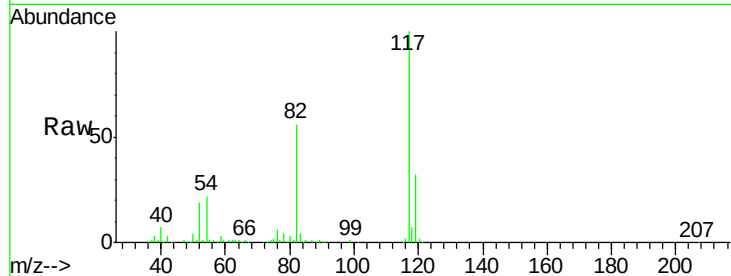




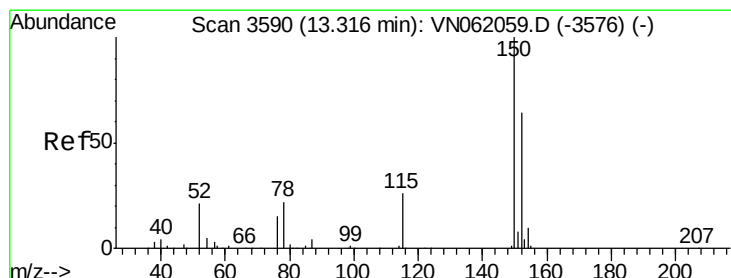
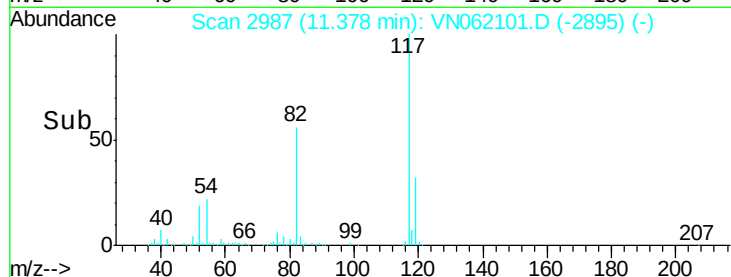
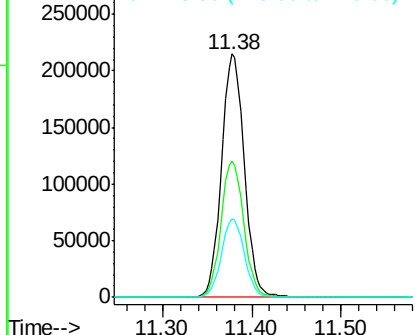
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 2987
 Delta R.T. -0.00 min
 Lab File: VN062101.D
 Acq: 25 Jun 2020 10:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625MBL01

Tgt Ion:117 Resp: 381303
 Ion Ratio Lower Upper
 117 100
 82 56.1 43.8 65.8
 119 32.5 25.2 37.8

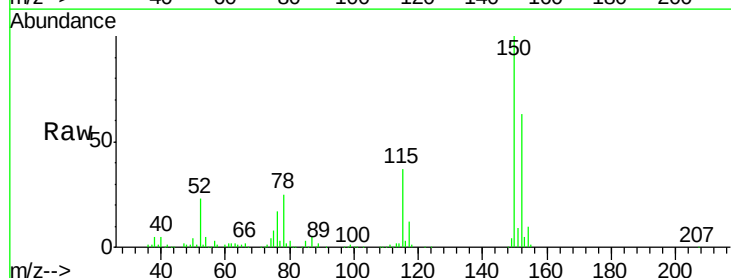


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): V
 Ion 118.90 (118.60 to 119.60): V

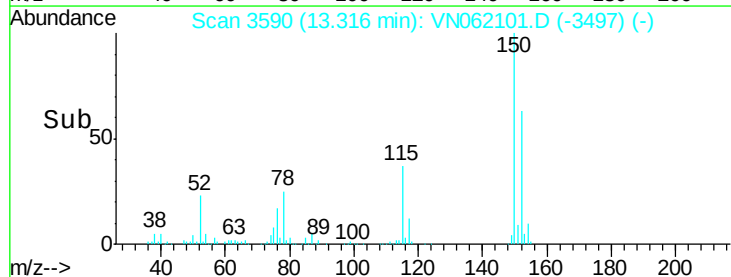
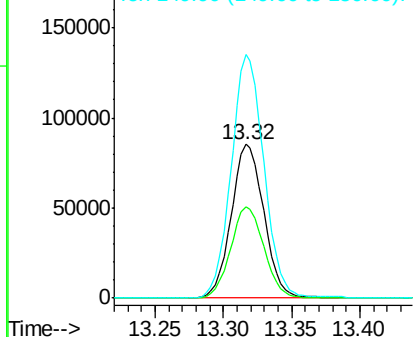


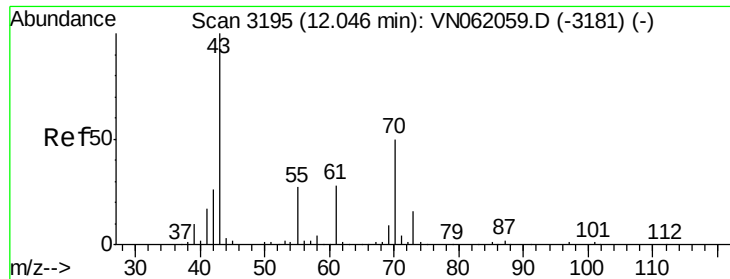
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3590
 Delta R.T. -0.00 min
 Lab File: VN062101.D
 Acq: 25 Jun 2020 10:52

Tgt Ion:152 Resp: 141790
 Ion Ratio Lower Upper
 152 100
 115 60.8 29.5 88.5
 150 158.6 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-amyI acetate

Concen: 3.435 ug/l

RT: 12.05 min Scan# 3196

Delta R.T. 0.00 min

Lab File: VN062101.D

Acq: 25 Jun 2020 10:52

Instrument :

MSVOA_N

ClientSampleId :

VN0625MBL01

Tgt Ion: 43 Resp: 399

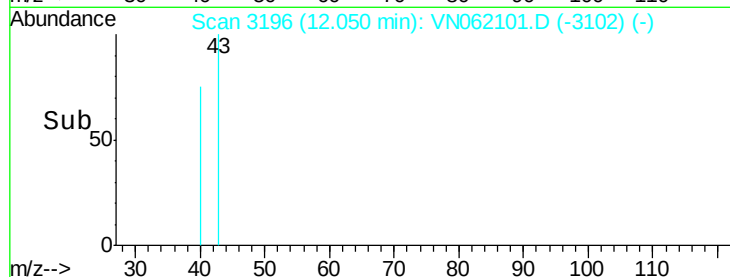
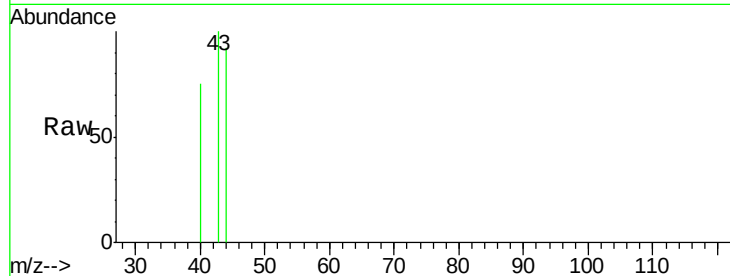
Ion Ratio Lower Upper

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

12.05

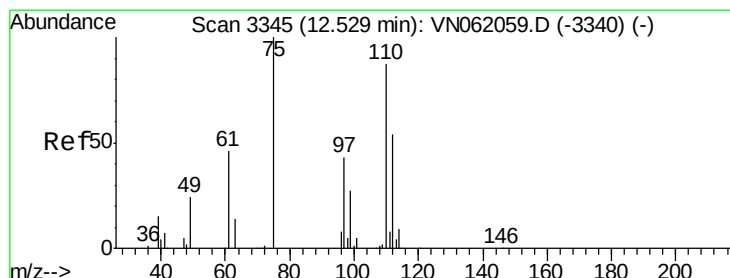
300

200

100

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 24.629 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN062101.D

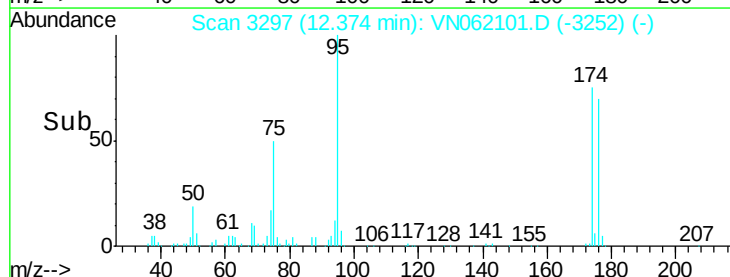
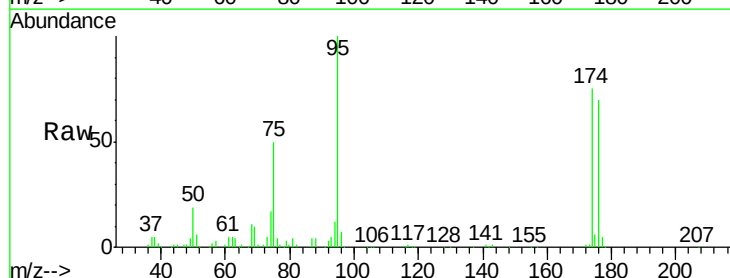
Acq: 25 Jun 2020 10:52

Tgt Ion: 75 Resp: 82209

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.37

50000

40000

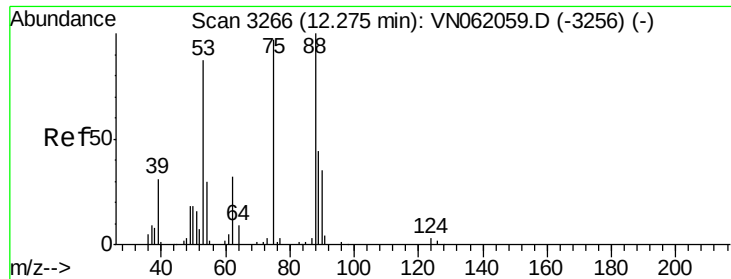
30000

20000

10000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 71.927 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.10 min

Lab File: VN062101.D

Acq: 25 Jun 2020 10:52

Instrument :

MSVOA_N

ClientSampleId :

VN0625MBL01

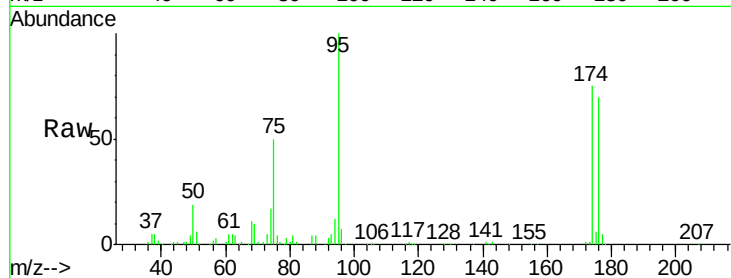
Tgt Ion: 75 Resp: 82209

Ion Ratio Lower Upper

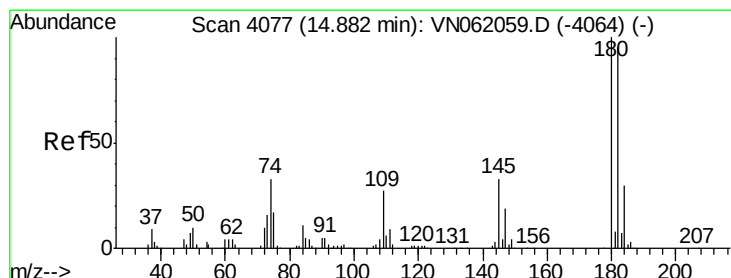
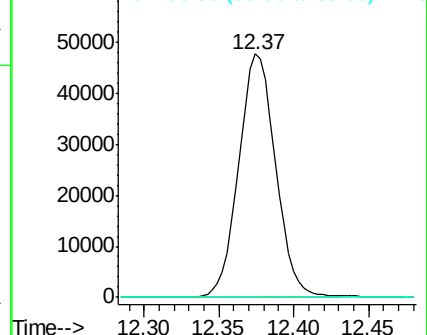
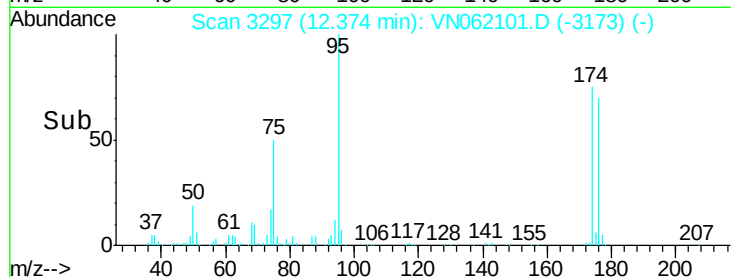
75 100

53 0.0 72.0 108.0#

89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN062101.D (-3173) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.394 ug/l

RT: 14.89 min Scan# 4078

Delta R.T. 0.00 min

Lab File: VN062101.D

Acq: 25 Jun 2020 10:52

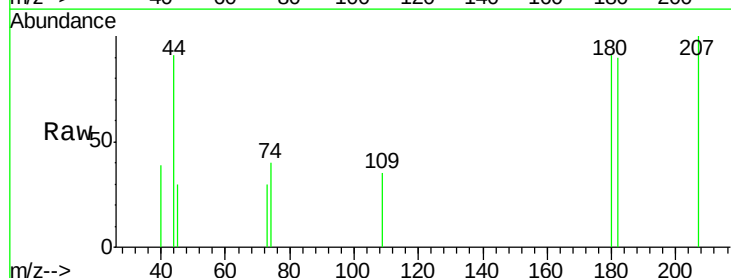
Tgt Ion: 180 Resp: 799

Ion Ratio Lower Upper

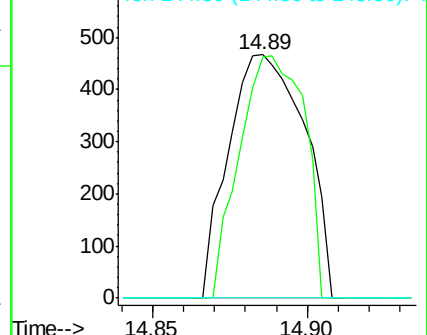
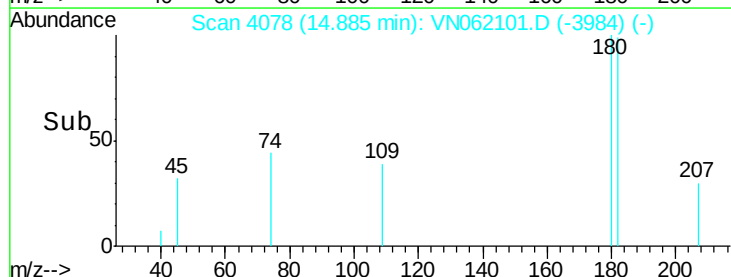
180 100

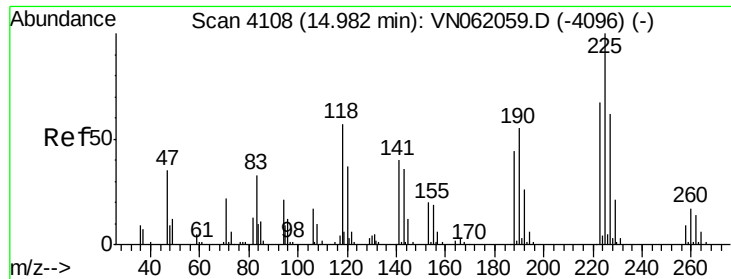
182 84.6 48.0 144.2

145 0.0 16.0 48.0#



Abundance Ion 179.80 (179.50 to 180.50): VN062101.D (-3984) (-)





#94

Hexachlorobutadiene

Concen: 0.669 ug/l

RT: 14.98 min Scan# 4108

Delta R.T. -0.00 min

Lab File: VN062101.D

Acq: 25 Jun 2020 10:52

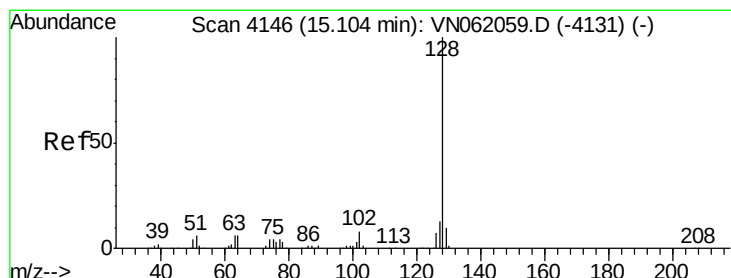
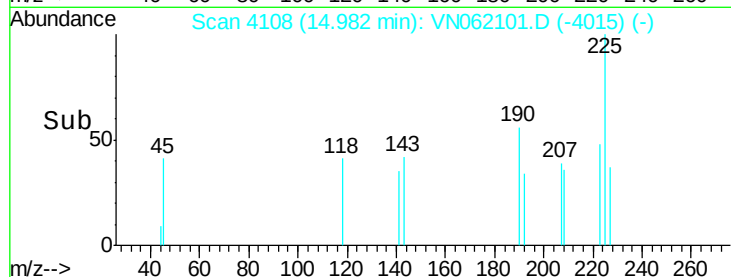
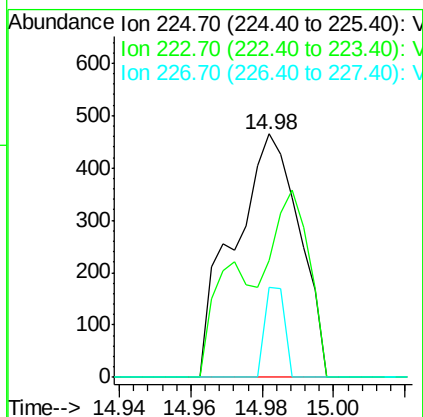
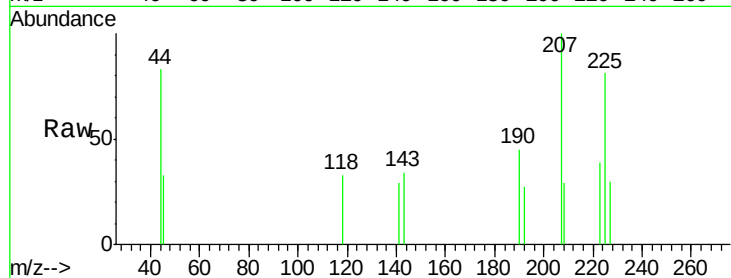
Instrument :

MSVOA_N

ClientSampled :

VN0625MBL01

Tgt Ion:	225	Resp:	589
Ion	Ratio	Lower	Upper
225	100		
223	44.1	32.9	98.7
227	11.2	31.3	93.8#



#95

Naphthalene

Concen: 4.469 ug/l

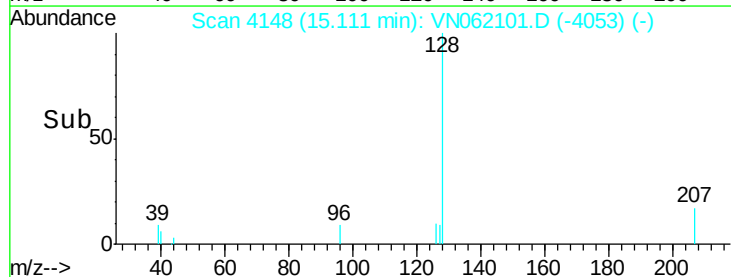
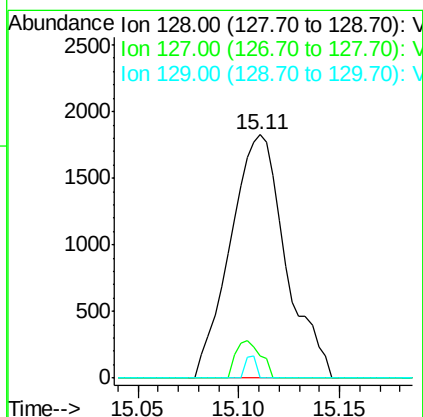
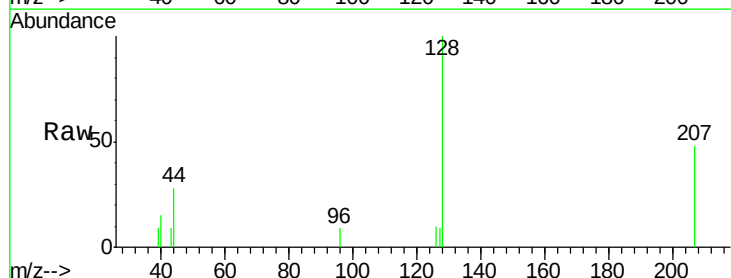
RT: 15.11 min Scan# 4148

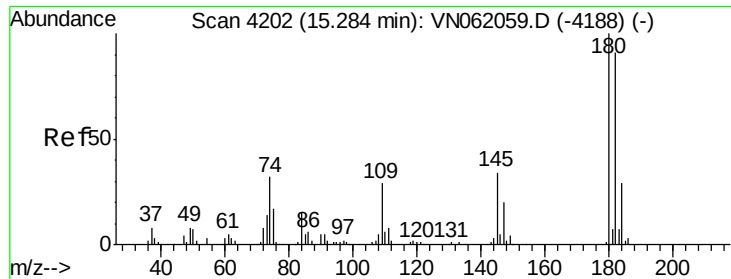
Delta R.T. 0.01 min

Lab File: VN062101.D

Acq: 25 Jun 2020 10:52

Tgt Ion:	128	Resp:	3486
Ion	Ratio	Lower	Upper
128	100		
127	7.0	10.5	15.7#
129	1.8	8.6	13.0#

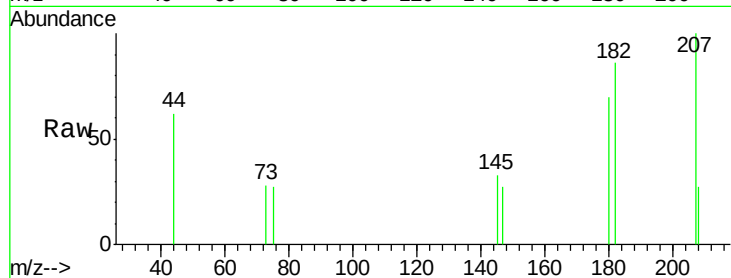




#96
 1,2,3-Trichlorobenzene
 Concen: 0.320 ug/l
 RT: 15.28 min Scan# 4202
 Delta R.T. -0.00 min
 Lab File: VN062101.D
 Acq: 25 Jun 2020 10:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625MBL01

Tgt Ion:180 Resp: 663
 Ion Ratio Lower Upper
 180 100
 182 138.5 46.8 140.4
 145 16.1 16.4 49.2#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

