

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062920\
 Data File : VN062183.D
 Acq On : 29 Jun 2020 12:58
 Operator : JC/MD
 Sample : VN0629WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBL01

Quant Time: Jun 30 04:24:10 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	223403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	423452	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	398833	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	144618	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	162305	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
35) Dibromofluoromethane	7.55	113	134040	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
50) Toluene-d8	10.06	98	533820	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
62) 4-Bromofluorobenzene	12.38	95	171315	46.69	ug/l	0.00
Spiked Amount			Recovery	=	93.38%	

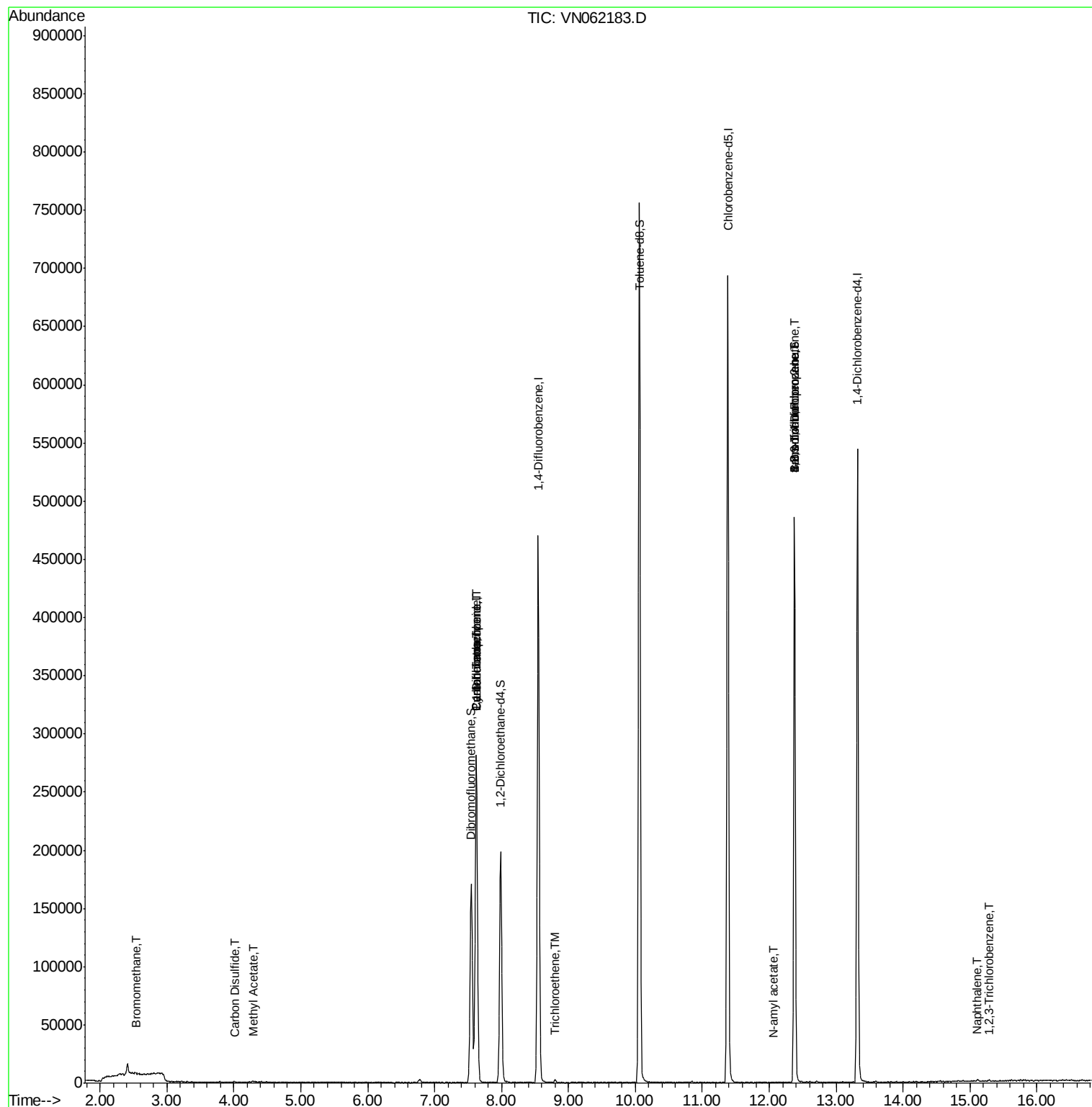
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	478	Below Cal		98
5) Bromomethane	2.54	94	566	0.220	ug/l #	59
16) Acetone	3.77	43	185	Below Cal	#	40
17) Carbon Disulfide	4.01	76	1136	0.205	ug/l #	75
18) Methyl Acetate	4.29	43	903	0.362	ug/l #	46
20) Methylene Chloride	4.50	84	310	Below Cal	#	9
31) Cyclohexane	7.62	56	5243	1.210	ug/l #	16
36) 1,1-Dichloropropene	7.63	75	18738	4.402	ug/l #	47
38) Carbon Tetrachloride	7.62	117	22959	5.721	ug/l #	14
44) Trichloroethene	8.80	130	935	0.286	ug/l	97
71) Bromoform	12.38	173	1060	0.492	ug/l #	1
74) N-amyl acetate	12.06	43	30	3.350	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	89209	26.204	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	89209	76.525	ug/l #	13
95) Naphthalene	15.11	128	1779	4.232	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.29	180	547	0.259	ug/l #	64

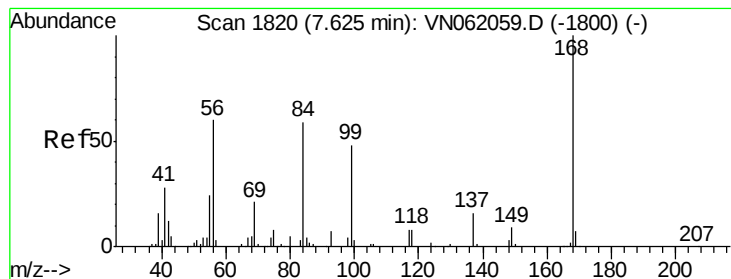
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062183.D

Acq: 29 Jun 2020 12:58

Instrument :

MSVOA_N

ClientSampled :

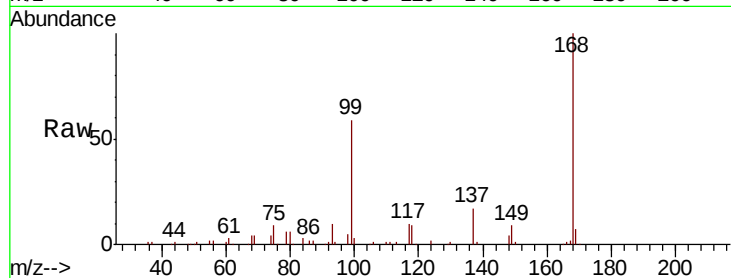
VN0629WBL01

Tot Ion:168 Resp: 223403

Ion Ratio Lower Upper

168 100

99 58.8 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

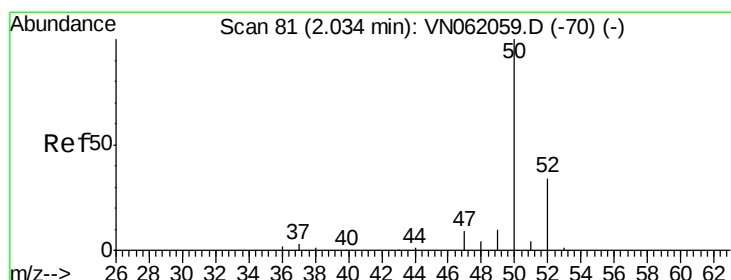
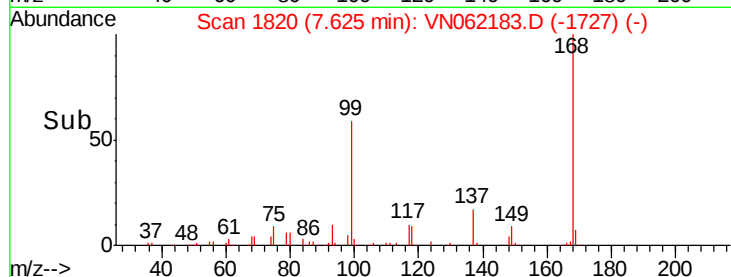
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN062183.D

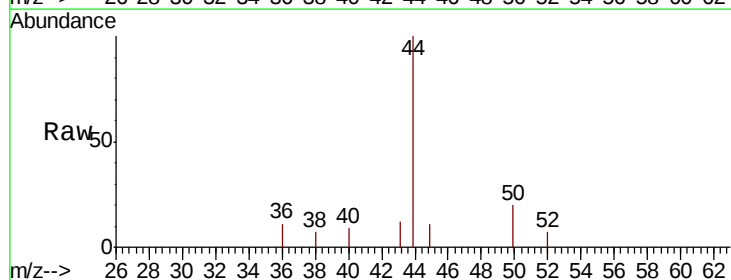
Acq: 29 Jun 2020 12:58

Tgt Ion: 50 Resp: 478

Ion Ratio Lower Upper

50 100

52 35.0 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.03

500

400

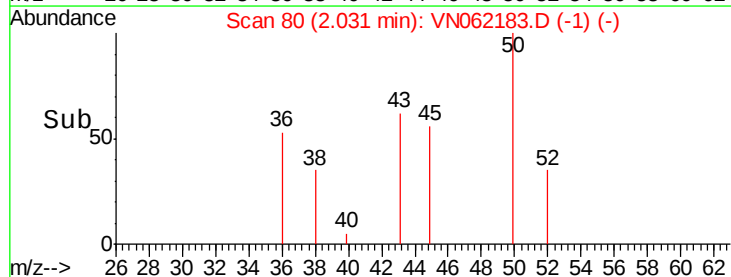
300

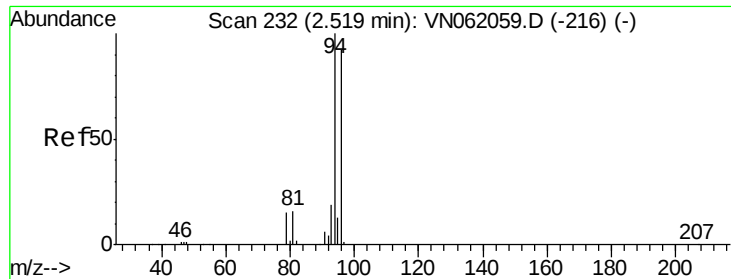
200

100

0

Time--> 2.02 2.04 2.06





#5

Bromomethane

Concen: 0.220 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.02 min

Lab File: VN062183.D

Acq: 29 Jun 2020 12:58

Instrument :

MSVOA_N

ClientSampled :

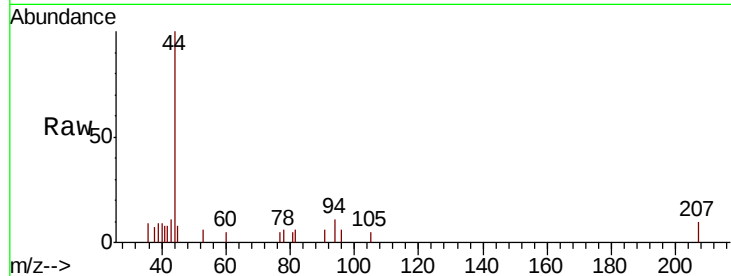
VN0629WBL01

Tot Ion: 94 Resp: 566

Ion Ratio Lower Upper

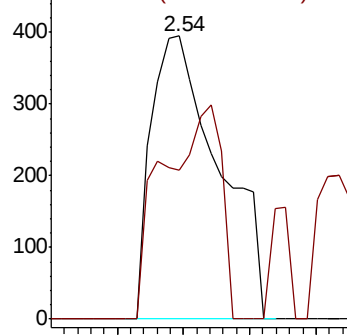
94 100

96 52.4 73.4 110.2#

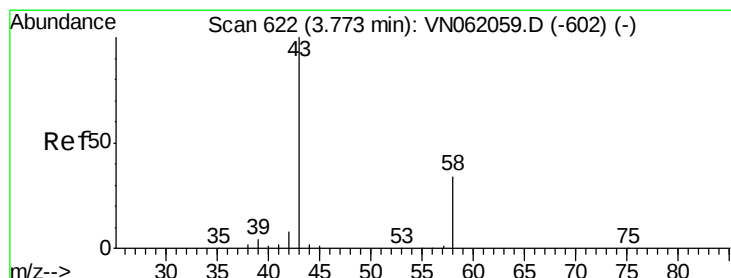
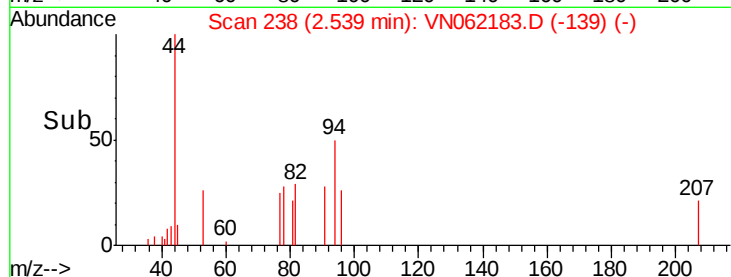


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#16

Acetone

Concen: Below Cal

RT: 3.77 min Scan# 620

Delta R.T. -0.01 min

Lab File: VN062183.D

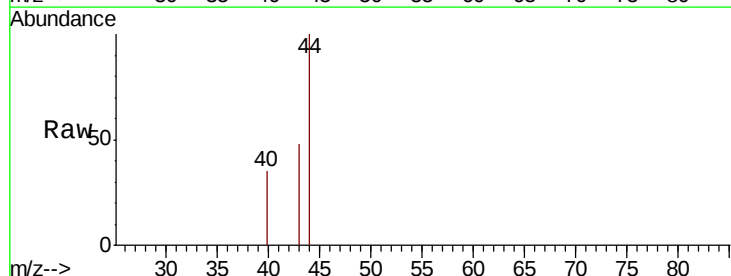
Acq: 29 Jun 2020 12:58

Tgt Ion: 43 Resp: 185

Ion Ratio Lower Upper

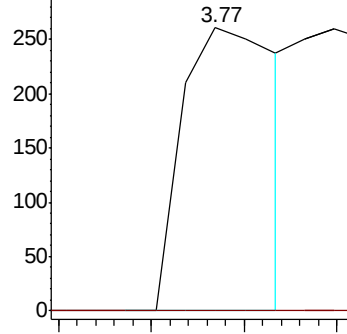
43 100

58 0.0 27.5 41.3#

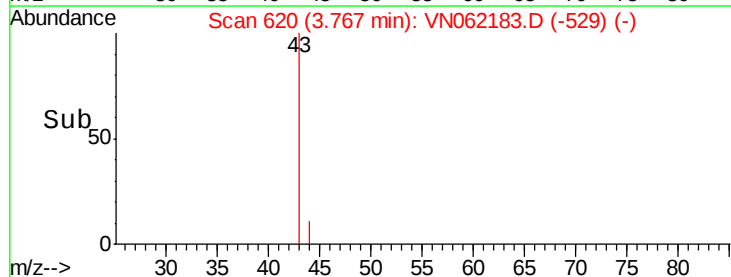


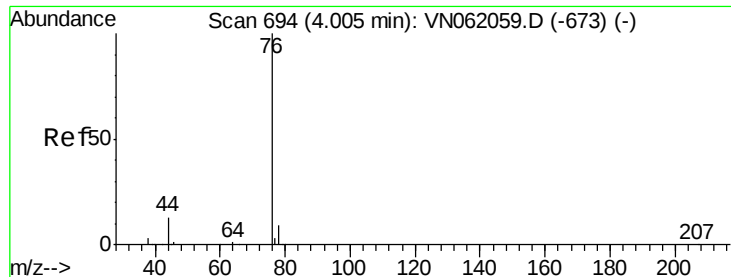
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->





#17

Carbon Disulfide

Concen: 0.205 ug/l

RT: 4.01 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN062183.D

Acq: 29 Jun 2020 12:58

Instrument :

MSVOA_N

ClientSampleId :

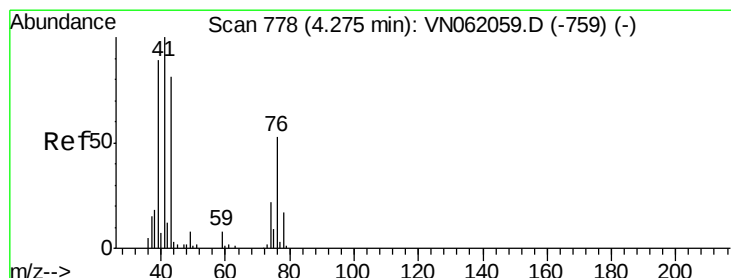
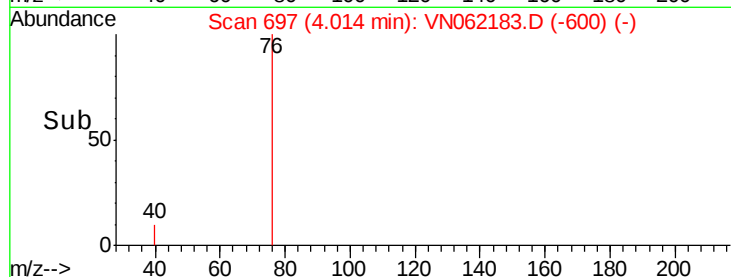
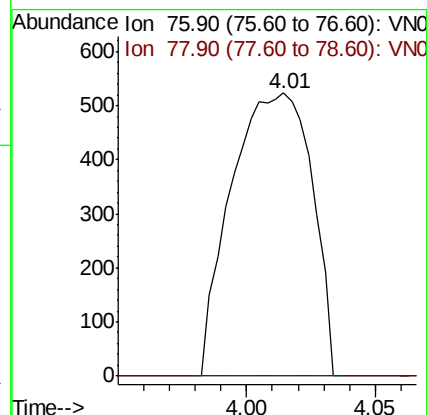
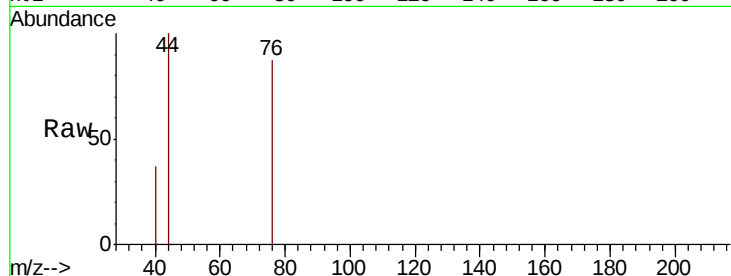
VN0629WBL01

Tot Ion: 76 Resp: 1136

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#18

Methyl Acetate

Concen: 0.362 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.01 min

Lab File: VN062183.D

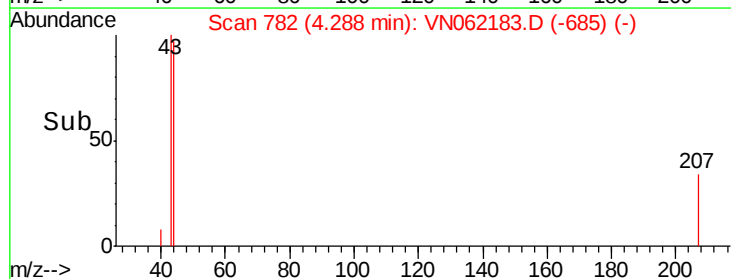
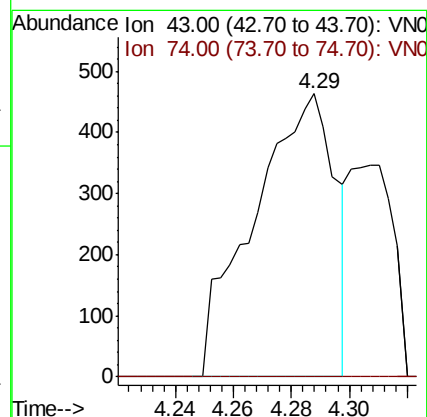
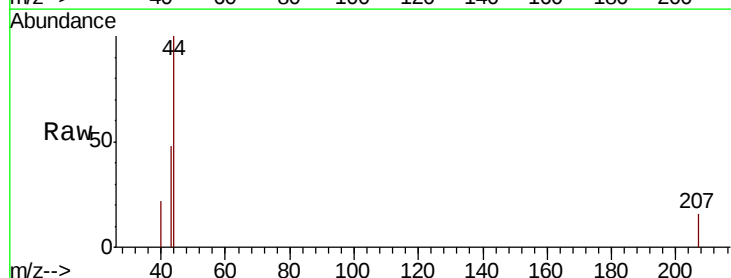
Acq: 29 Jun 2020 12:58

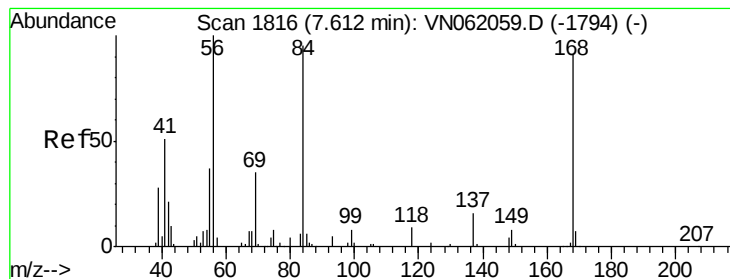
Tgt Ion: 43 Resp: 903

Ion Ratio Lower Upper

43 100

74 0.0 22.9 34.3#





#31

Cyclohexane

Concen: 1.210 ug/l

RT: 7.62 min Scan# 1816

Delta R.T. 0.01 min

Lab File: VN062183.D

Acq: 29 Jun 2020 12:58

Instrument :

MSVOA_N

ClientSampleID :

VN0629WBL01

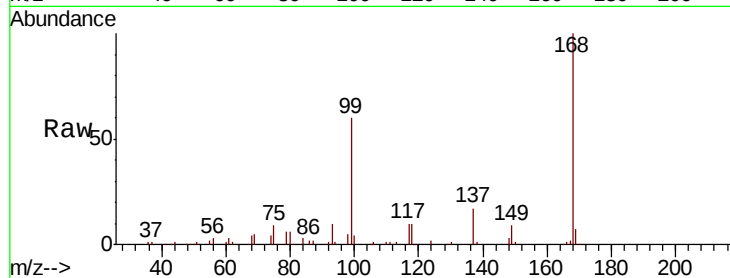
Tot Ion: 56 Resp: 5243

Ion Ratio Lower Upper

56 100

69 176.0 28.0 42.0#

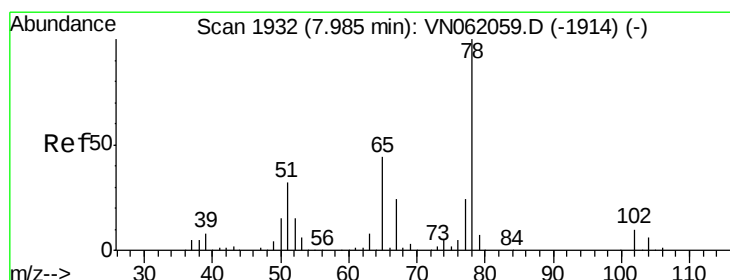
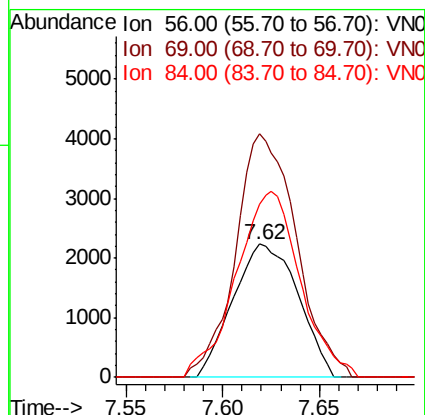
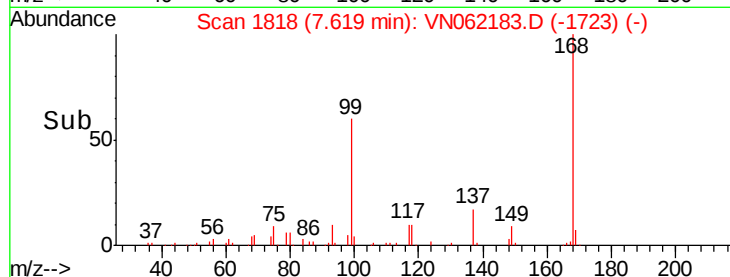
84 120.5 76.1 114.1#



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: 51.770 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062183.D

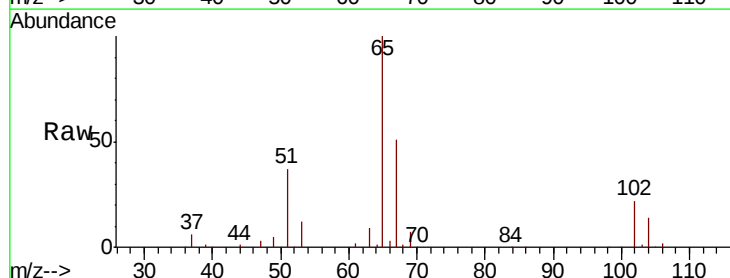
Acq: 29 Jun 2020 12:58

Tgt Ion: 65 Resp: 162305

Ion Ratio Lower Upper

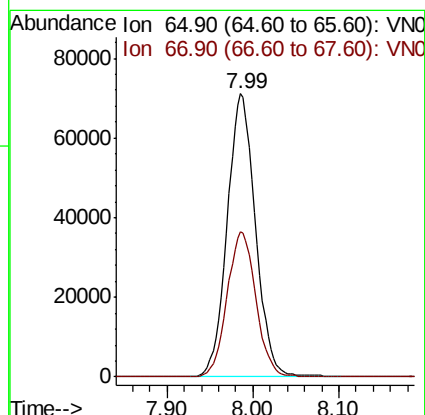
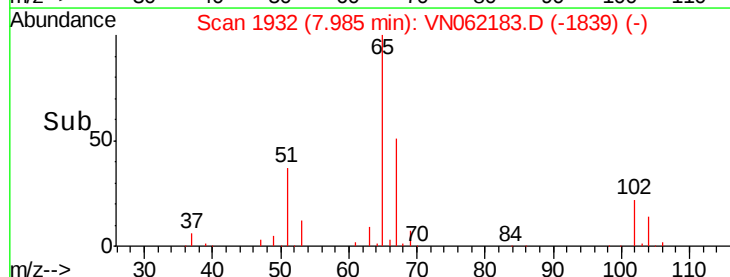
65 100

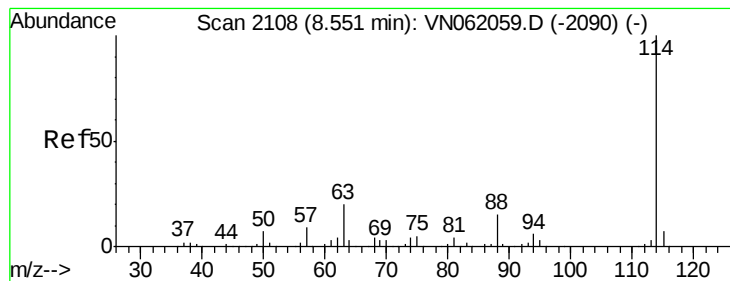
67 52.1 0.0 106.2



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# 2107

Delta R.T. -0.00 min

Lab File: VN062183.D

Acq: 29 Jun 2020 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN0629WBL01

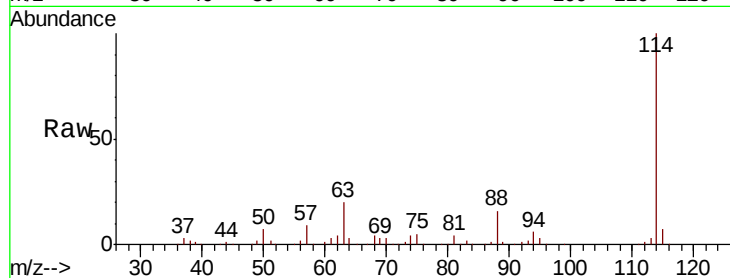
Tot Ion:114 Resp: 423452

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.2

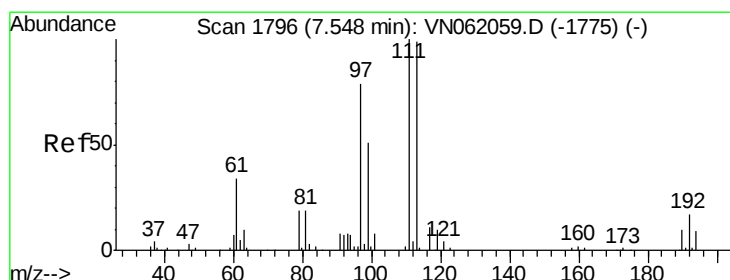
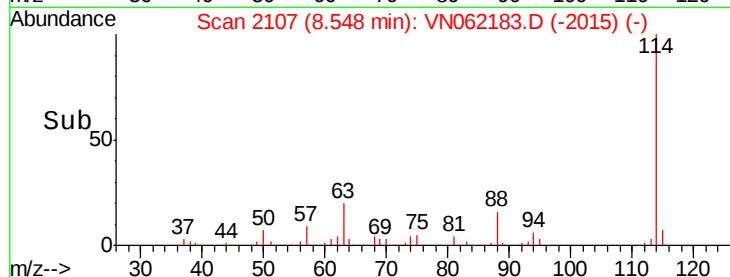
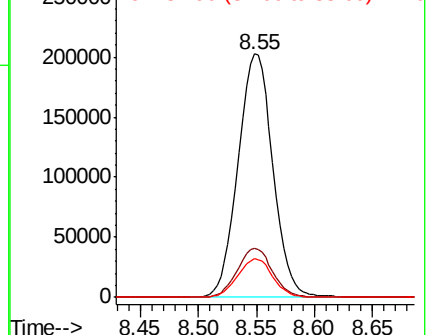
88 15.7 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 49.340 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN062183.D

Acq: 29 Jun 2020 12:58

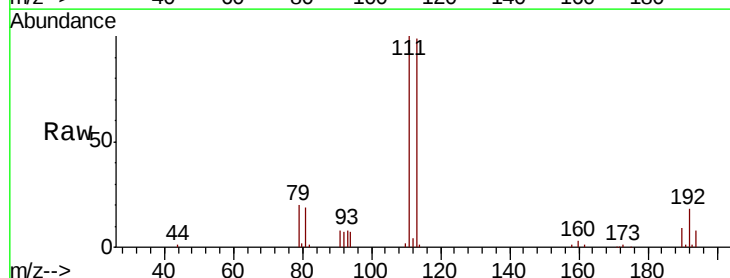
Tgt Ion:113 Resp: 134040

Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.4

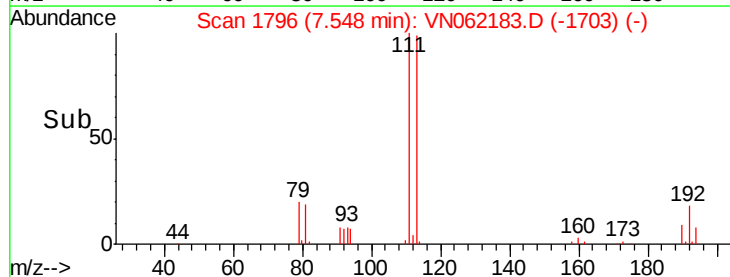
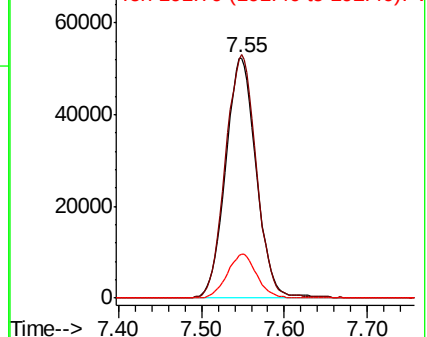
192 17.7 14.0 21.0

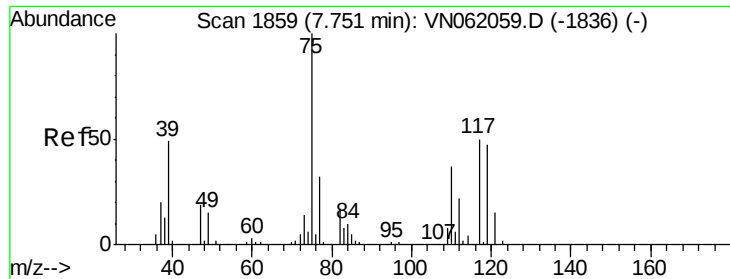


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

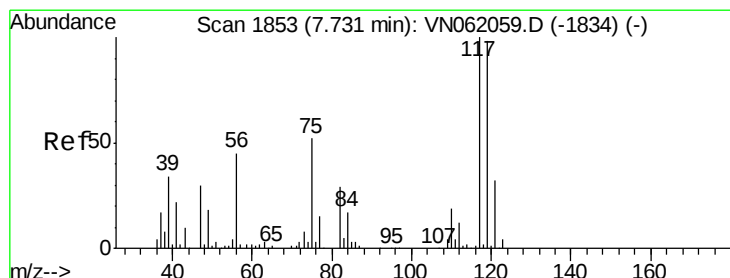
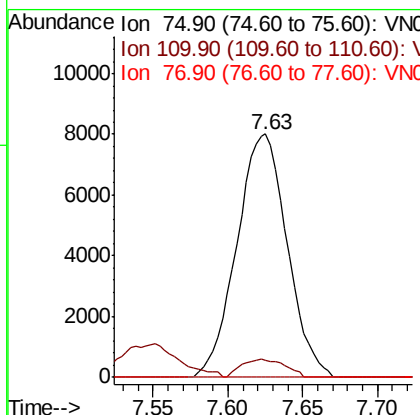
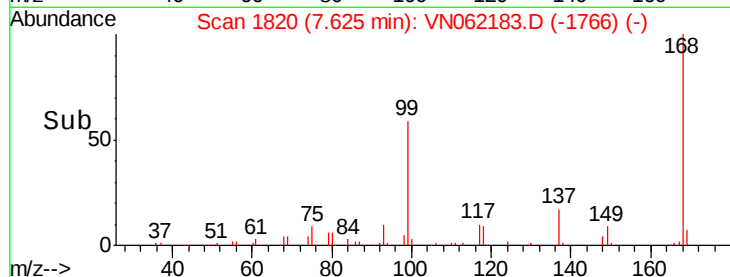
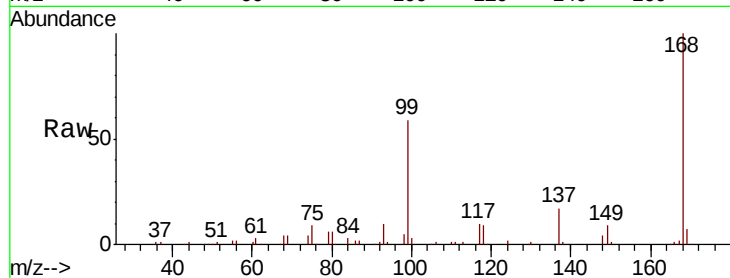




#36
 1,1-Dichloropropene
 Concen: 4.402 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062183.D
 Acq: 29 Jun 2020 12:58

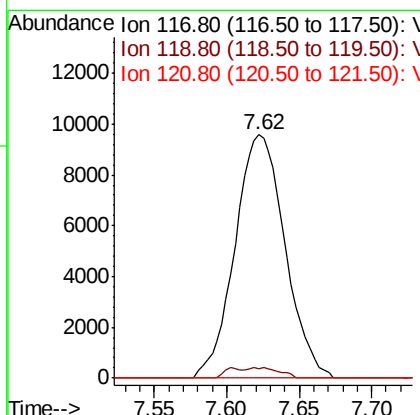
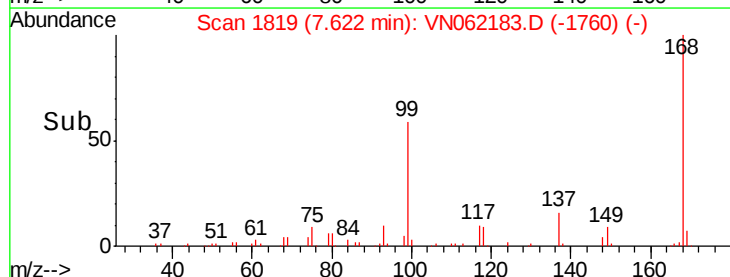
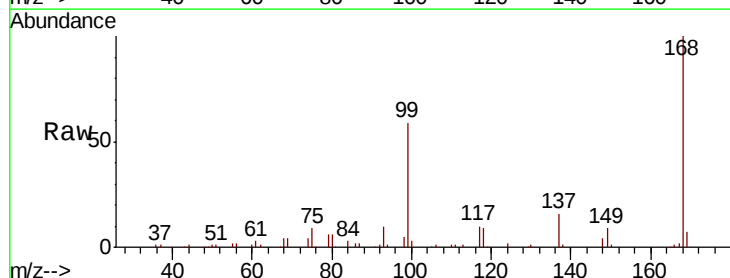
Instrument :
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 VN0629WBL01

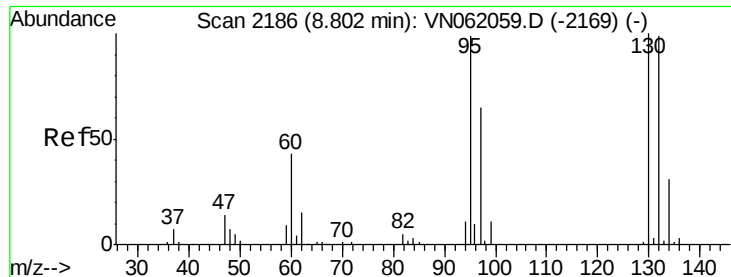
Tot Ion: 75 Resp: 18738
 Ion Ratio Lower Upper
 75 100
 110 6.5 17.9 53.8#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 5.721 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.11 min
 Lab File: VN062183.D
 Acq: 29 Jun 2020 12:58

Tgt Ion: 117 Resp: 22959
 Ion Ratio Lower Upper
 117 100
 119 4.0 78.2 117.2#
 121 0.0 25.8 38.6#

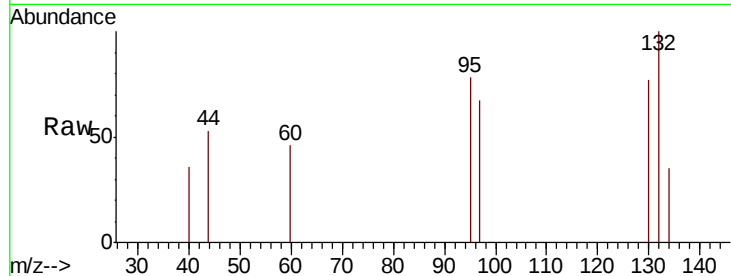




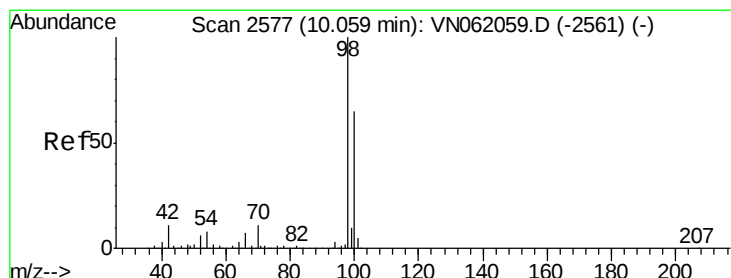
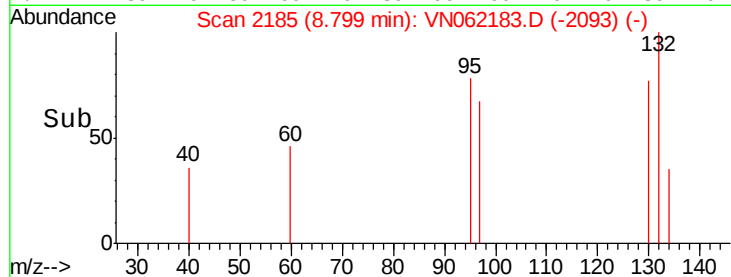
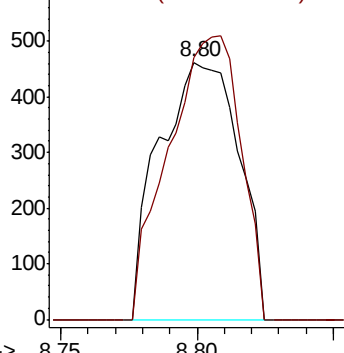
#44
 Trichloroethene
 Concen: 0.286 ug/l
 RT: 8.80 min Scan# 2185
 Delta R.T. -0.00 min
 Lab File: VN062183.D
 Acq: 29 Jun 2020 12:58

Instrument :
 MSVOA_N
 ClientSampled :
 VN0629WBL01

Tot Ion:130 Resp: 935
 Ion Ratio Lower Upper
 130 100
 95 101.7 0.0 197.8

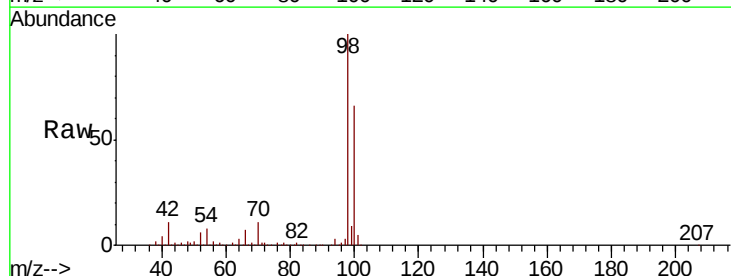


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN

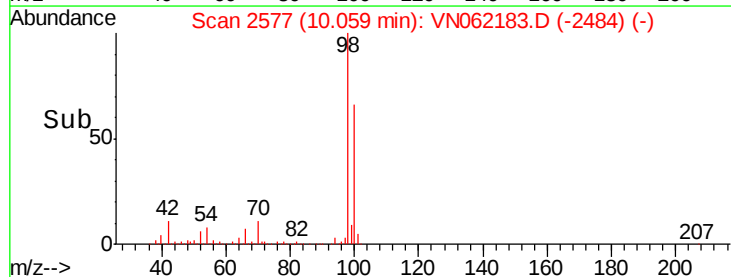
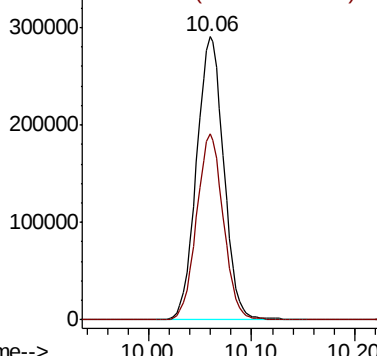


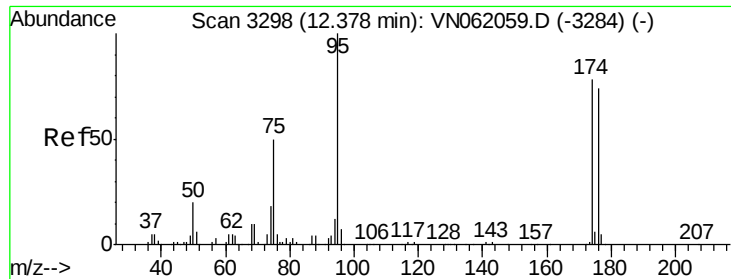
#50
 Toluene-d8
 Concen: 49.158 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN062183.D
 Acq: 29 Jun 2020 12:58

Tgt Ion: 98 Resp: 533820
 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

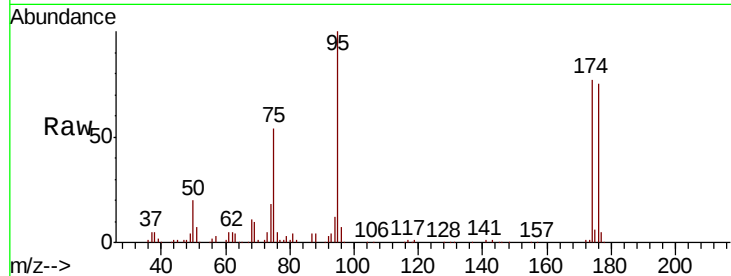




#62
4-Bromofluorobenzene
Concen: 46.694 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062183.D
Acq: 29 Jun 2020 12:58

Instrument :
MSVOA_N
ClientSampled :
VN0629WBL01

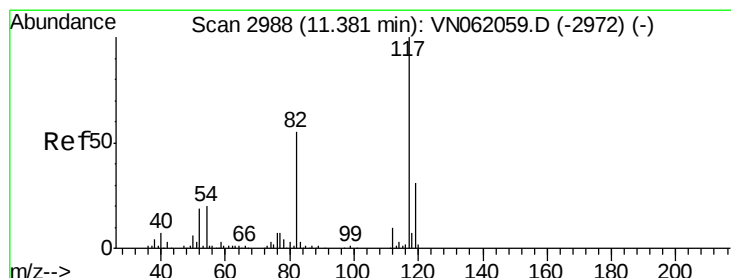
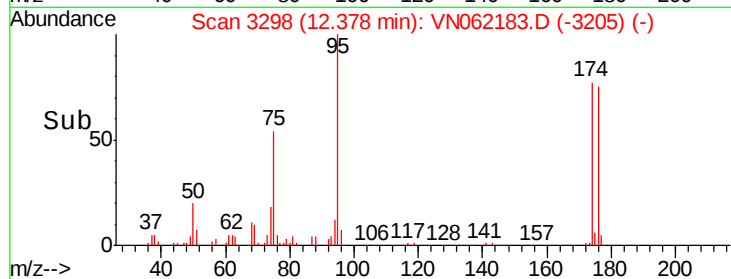
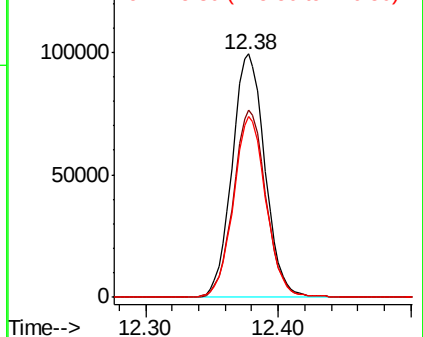
Tot Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	154.8
176	73.6	0.0	147.4



Abundance Ion 94.90 (94.60 to 95.60): VN062183.D (-3205) (-)

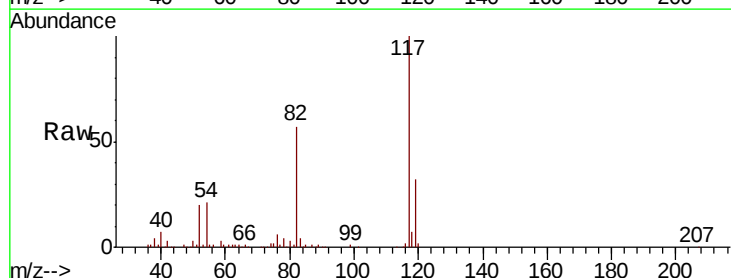
Ion 173.80 (173.50 to 174.50): VN062183.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062183.D (-3205) (-)



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062183.D
Acq: 29 Jun 2020 12:58

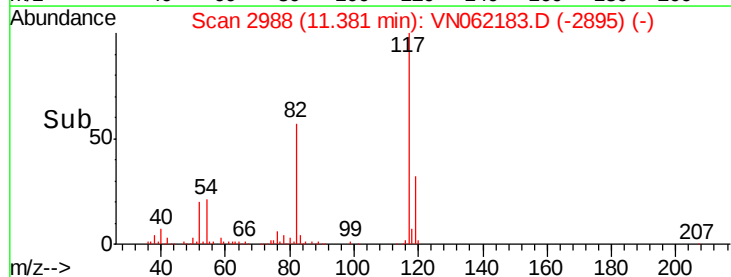
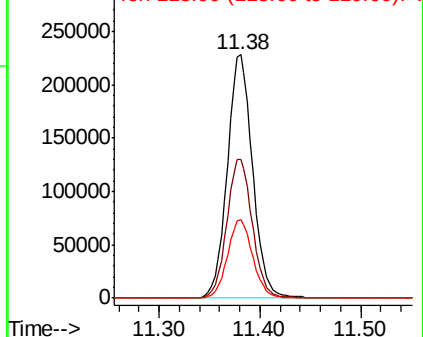
Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.0	43.8	65.8
119	32.4	25.2	37.8

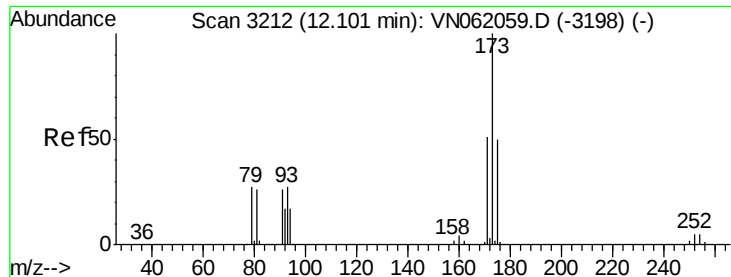


Abundance Ion 116.90 (116.60 to 117.60): VN062183.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062183.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062183.D (-2895) (-)





#71

Bromoform

Concen: 0.492 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN062183.D

Acq: 29 Jun 2020 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN0629WBL01

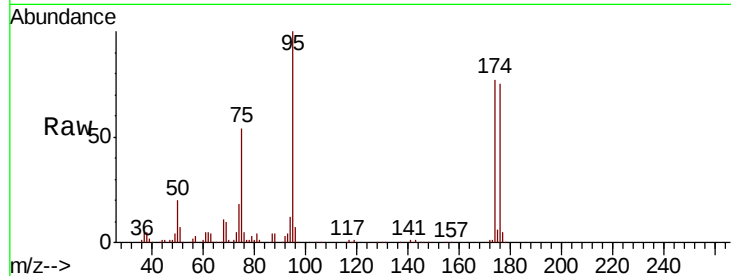
Tot Ion:173 Resp: 1060

Ion Ratio Lower Upper

173 100

175 752.8 24.7 74.1#

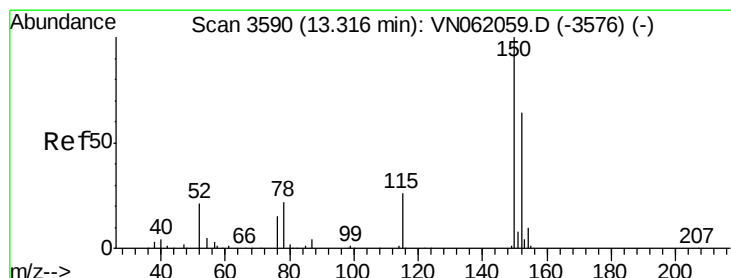
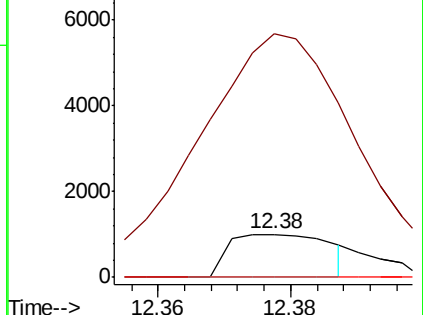
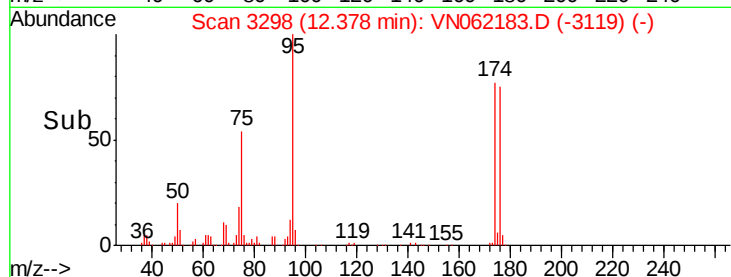
254 0.0 0.0 0.0



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: VN062183.D

Acq: 29 Jun 2020 12:58

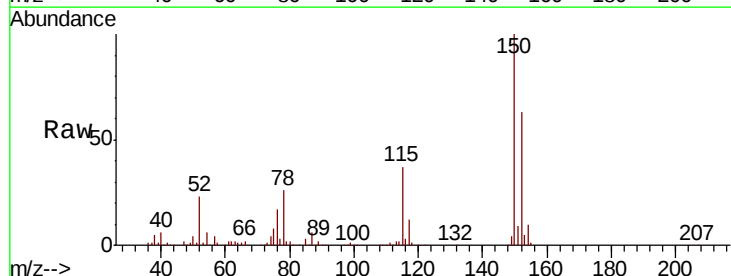
Tgt Ion:152 Resp: 144618

Ion Ratio Lower Upper

152 100

115 59.3 29.5 88.5

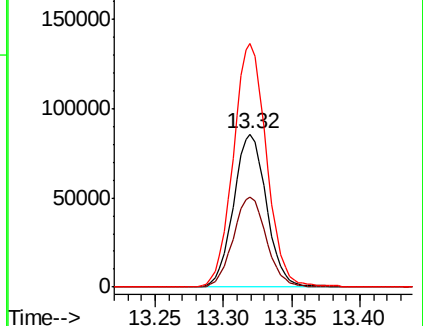
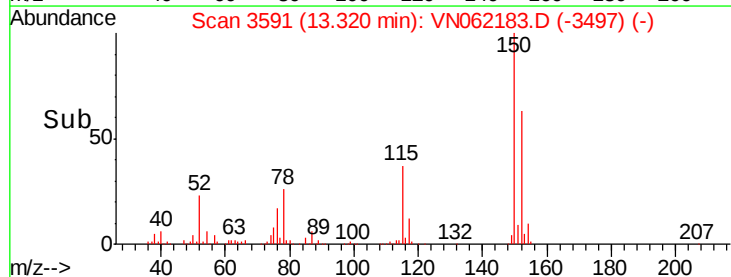
150 160.2 0.0 351.4

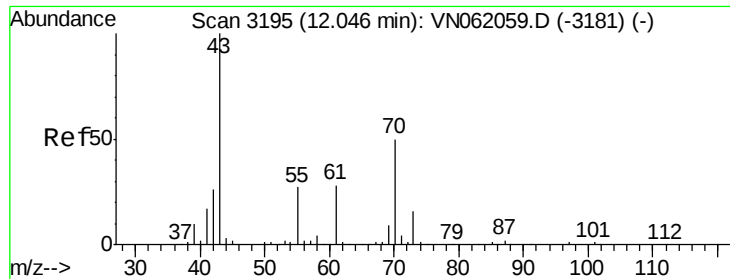


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amyl acetate

Concen: 3.350 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.02 min

Lab File: VN062183.D

Acq: 29 Jun 2020 12:58

Instrument :

MSVOA_N

ClientSampled :

VN0629WBL01

Tot Ion: 43 Resp: 30

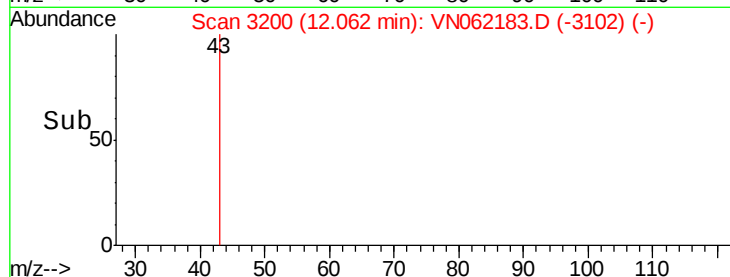
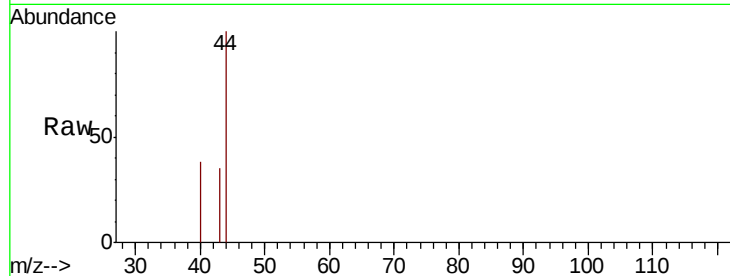
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#

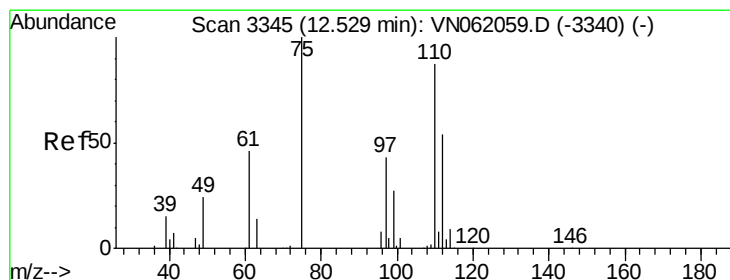
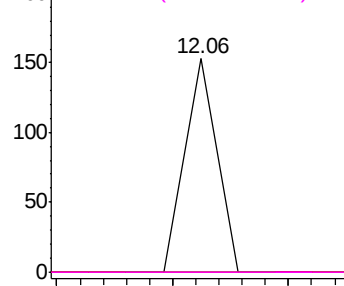


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 26.204 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062183.D

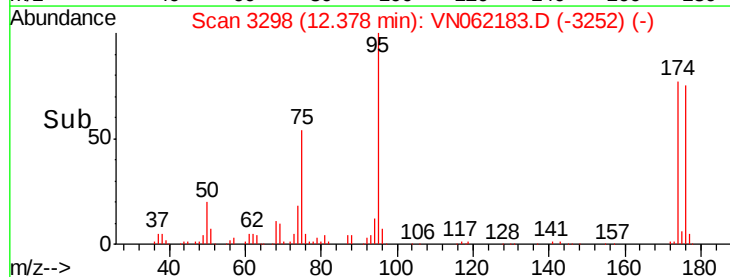
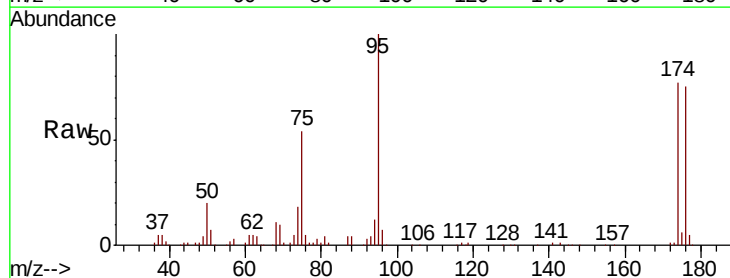
Acq: 29 Jun 2020 12:58

Tgt Ion: 75 Resp: 89209

Ion Ratio Lower Upper

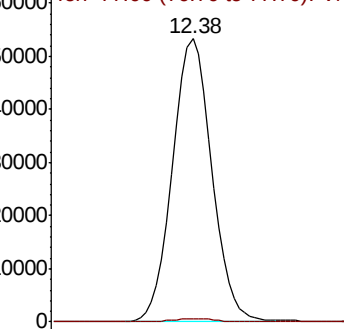
75 100

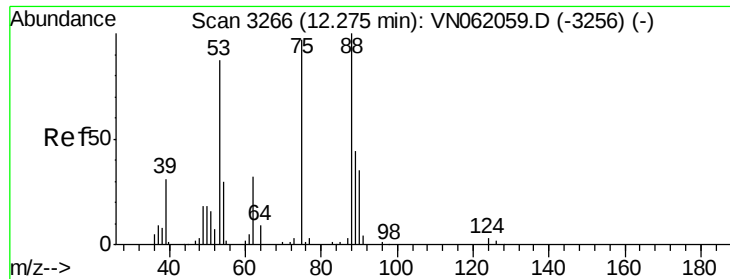
77 1.3 0.0 0.0#



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: 76.525 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062183.D

Acq: 29 Jun 2020 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN0629WBL01

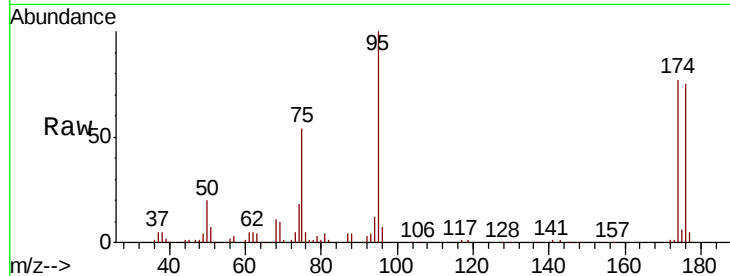
Tot Ion: 75 Resp: 89209

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

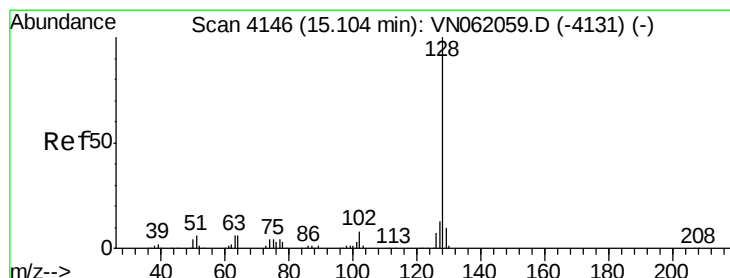
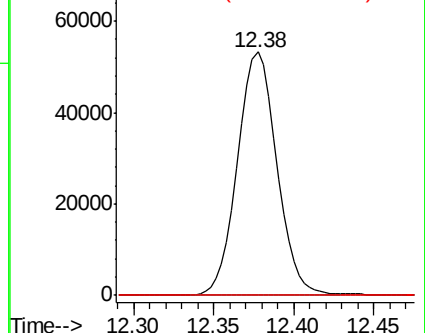
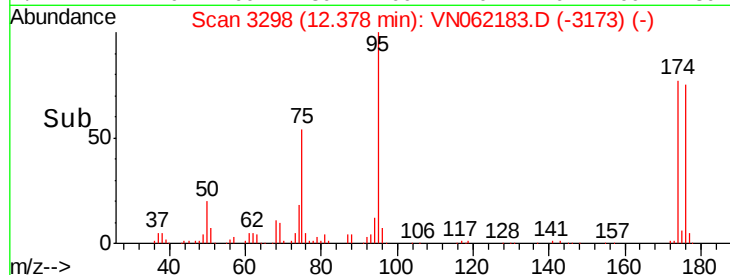
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN062183.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN062183.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN062183.D (-3173) (-)



#95

Naphthalene

Concen: 4.232 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062183.D

Acq: 29 Jun 2020 12:58

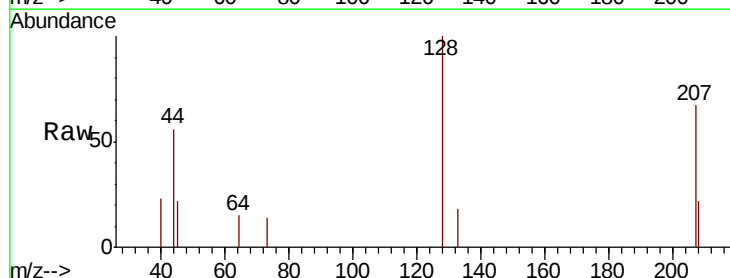
Tgt Ion: 128 Resp: 1779

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

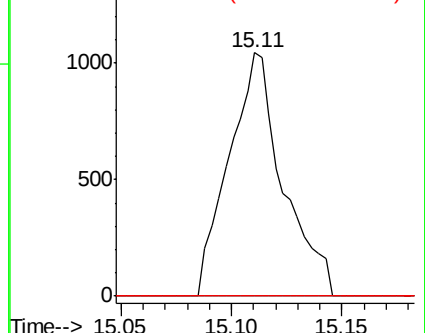
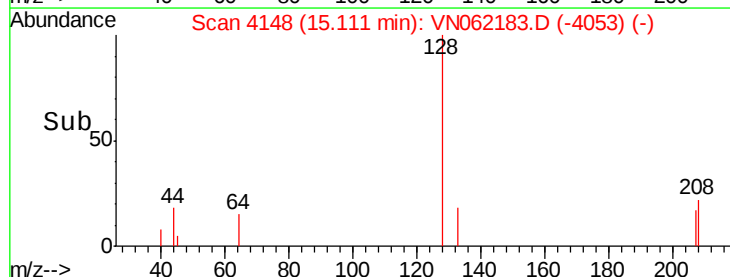
129 0.0 8.6 13.0#

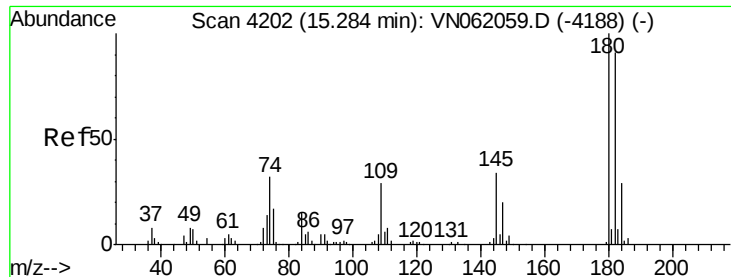


Abundance Ion 128.00 (127.70 to 128.70): VN062183.D (-4053) (-)

Ion 127.00 (126.70 to 127.70): VN062183.D (-4053) (-)

Ion 129.00 (128.70 to 129.70): VN062183.D (-4053) (-)

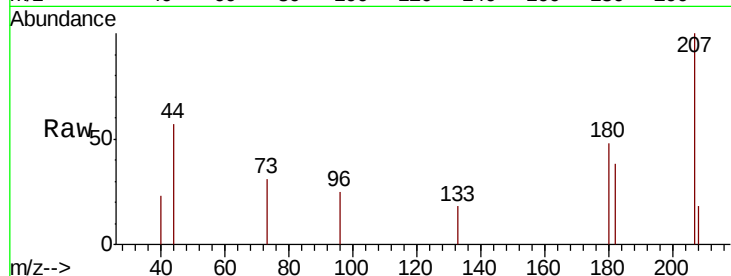




#96
 1,2,3-Trichlorobenzene
 Concen: 0.259 ug/l
 RT: 15.29 min Scan# 4204
 Delta R.T. 0.01 min
 Lab File: VN062183.D
 Acq: 29 Jun 2020 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBL01

Tot Ion:180 Resp: 547
 Ion Ratio Lower Upper
 180 100
 182 65.8 46.8 140.4
 145 0.0 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

