

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082620\
 Data File : VN063133.D
 Acq On : 26 Aug 2020 15:23
 Operator : JC/MD
 Sample : L3774-03
 Misc : 1.14g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TOTE-1-1

Quant Time: Aug 26 15:54:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	179819	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	304813	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	305340	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	135658	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	113876	53.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.86%	
35) Dibromofluoromethane	7.54	113	98281	49.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.96%	
50) Toluene-d8	10.06	98	384398	50.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.38	95	135298	50.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.52%	

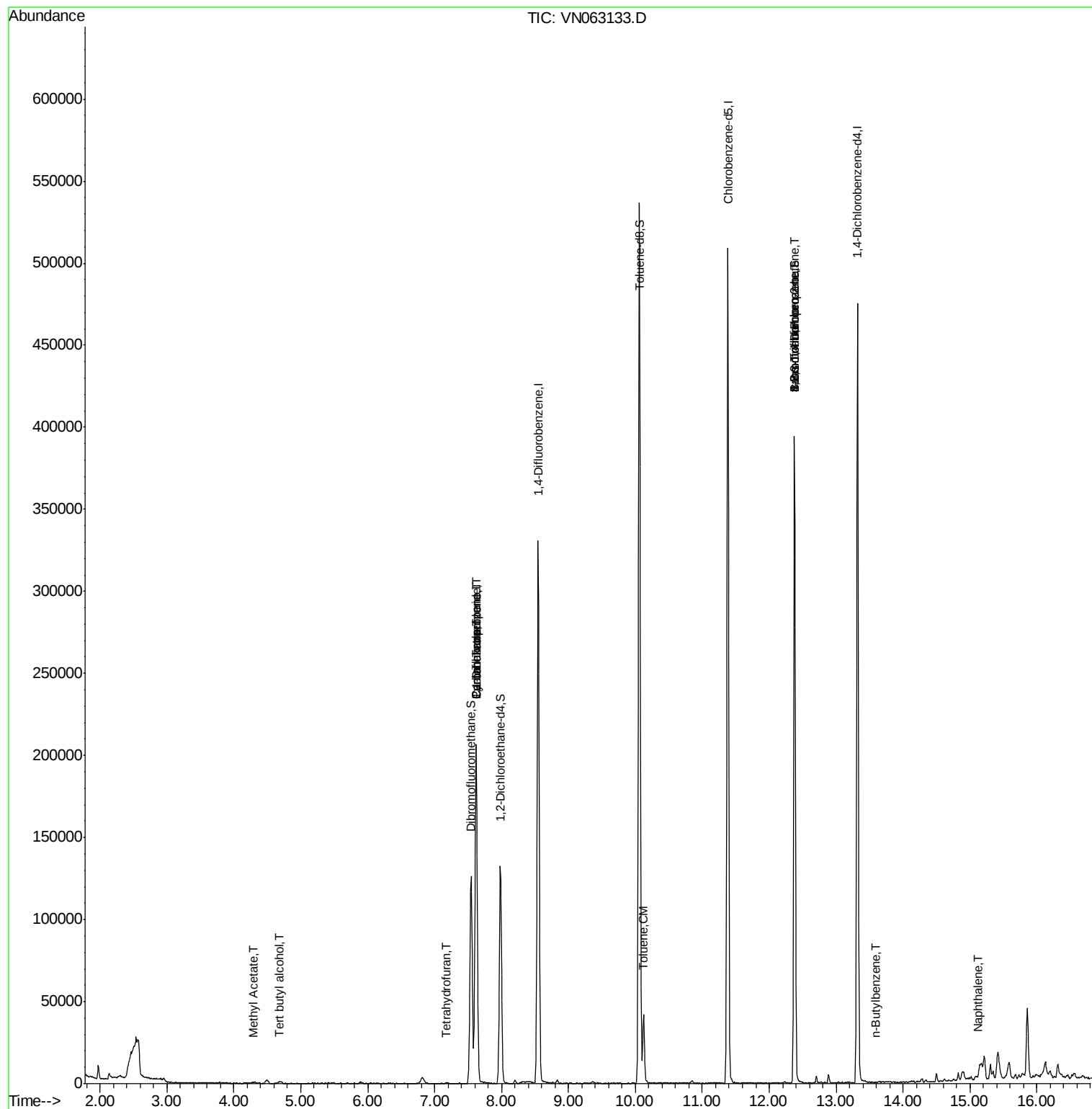
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.68	59	739	2.448	ug/l #	74
16) Acetone	3.79	43	1005	Below Cal	#	86
18) Methyl Acetate	4.28	43	1524	0.720	ug/l #	52
20) Methylene Chloride	4.48	84	1708	Below Cal	#	85
29) Tetrahydrofuran	7.18	42	512	0.701	ug/l #	34
31) Cyclohexane	7.62	56	3218	1.024	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	13129	4.888	ug/l #	44
38) Carbon Tetrachloride	7.62	117	16077	5.928	ug/l #	17
52) Toluene	10.12	92	16898	3.288	ug/l	99
71) Bromoform	12.38	173	1271	0.669	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	66181	25.098	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	66181	68.931	ug/l #	15
89) n-Butylbenzene	13.59	91	71	2.780	ug/l #	34
95) Naphthalene	15.11	128	1884	5.951	ug/l #	77

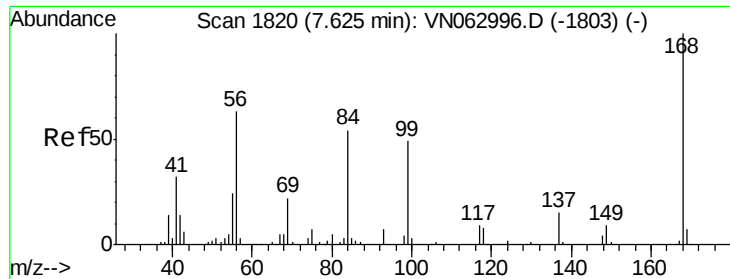
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN063133.D

Acq: 26 Aug 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

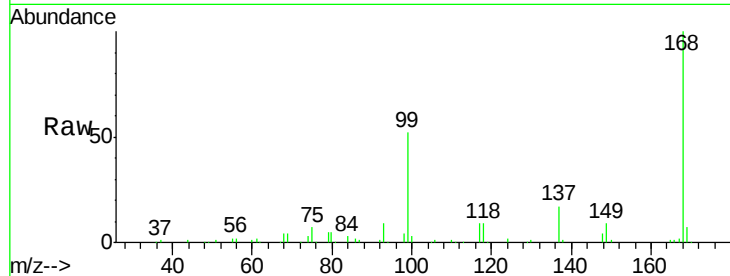
TOTE-1-1

Tgt Ion: 168 Resp: 179819

Ion Ratio Lower Upper

168 100

99 52.0 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

80000

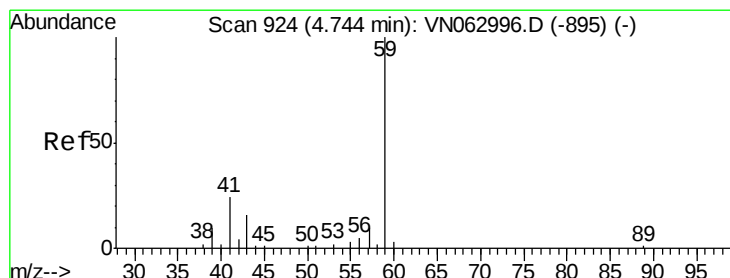
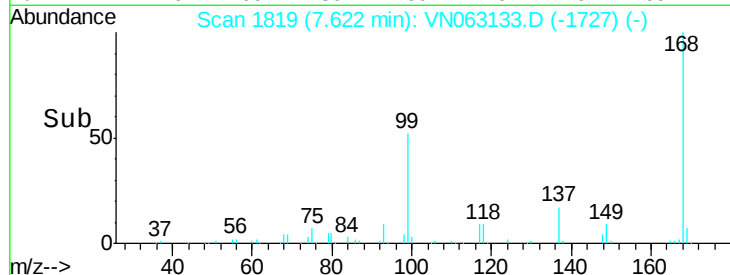
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.448 ug/l

RT: 4.68 min Scan# 904

Delta R.T. -0.06 min

Lab File: VN063133.D

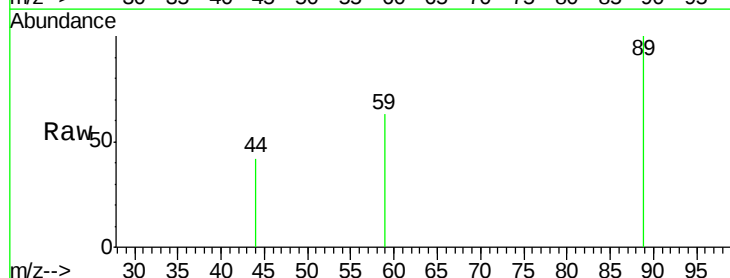
Acq: 26 Aug 2020 15:23

Tgt Ion: 59 Resp: 739

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.68

400

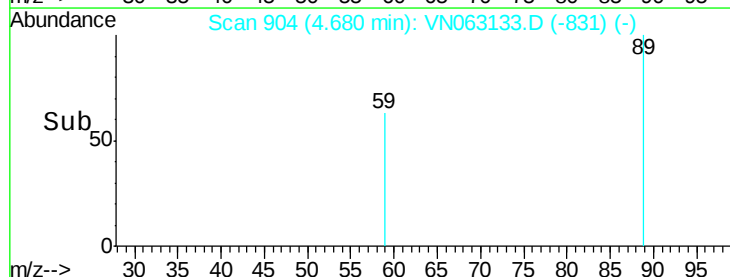
300

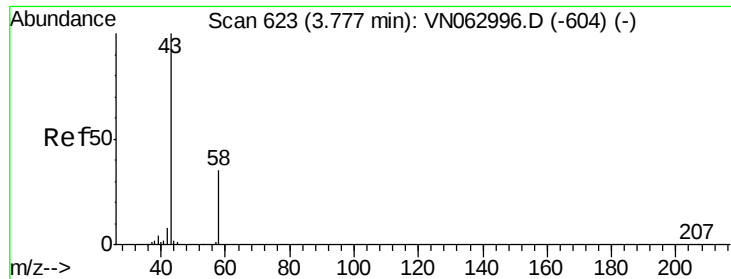
200

100

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN063133.D

Acq: 26 Aug 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

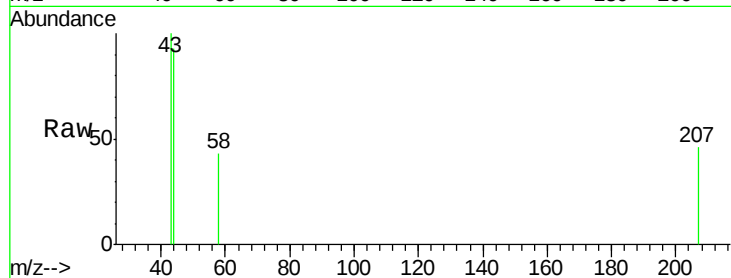
TOTE-1-1

Tgt Ion: 43 Resp: 1005

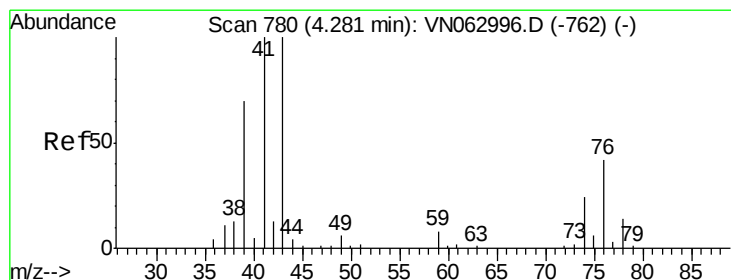
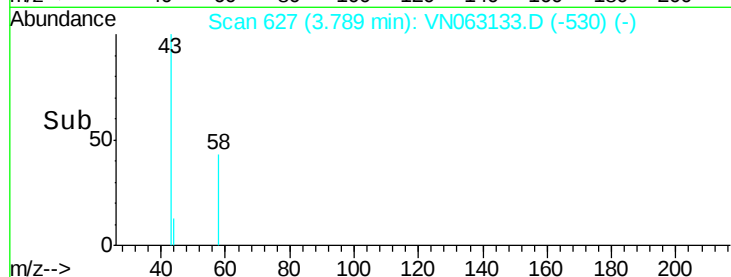
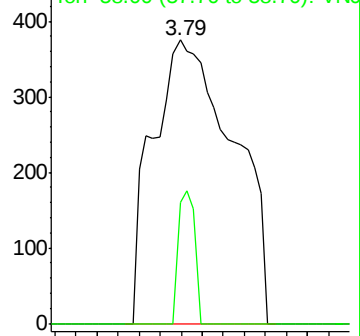
Ion Ratio Lower Upper

43 100

58 42.7 27.8 41.6#



Abundance Ion 43.00 (42.70 to 43.70): VN063133.D (-530) (-)



#18

Methyl Acetate

Concen: 0.720 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN063133.D

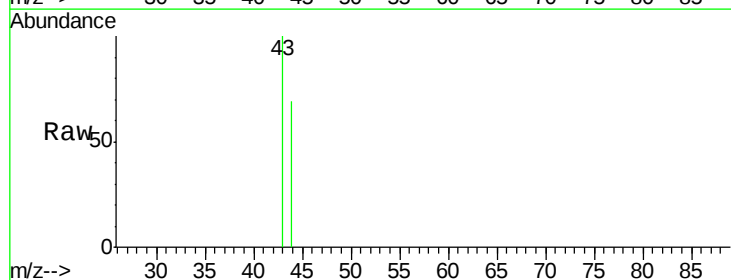
Acq: 26 Aug 2020 15:23

Tgt Ion: 43 Resp: 1524

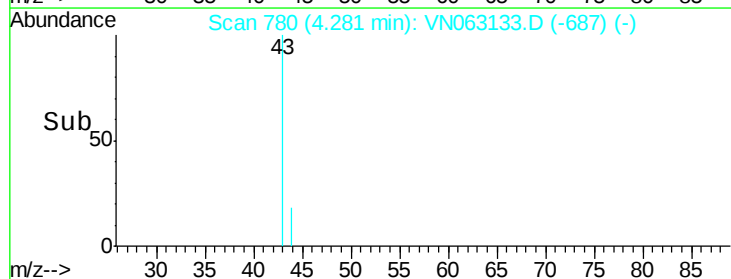
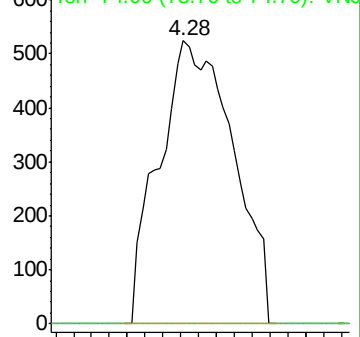
Ion Ratio Lower Upper

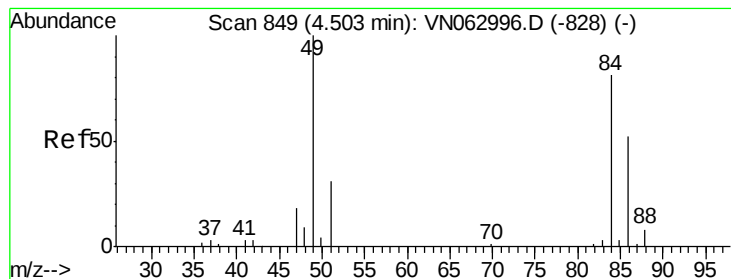
43 100

74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VN063133.D (-687) (-)





#20

Methylene Chloride

Concen: Below Cal

RT: 4.48 min Scan# 843

Delta R.T. -0.02 min

Lab File: VN063133.D

Acq: 26 Aug 2020 15:23

Instrument :

MSVOA_N

ClientSampled :

TOTE-1-1

Tgt Ion: 84 Resp: 1708

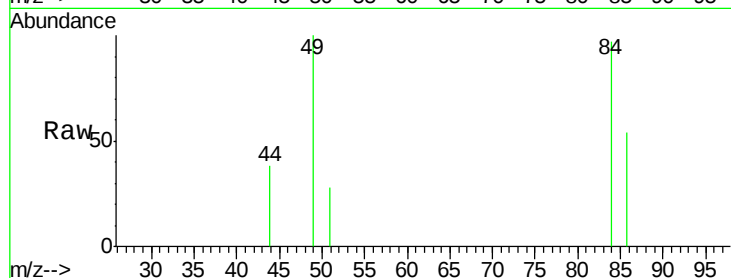
Ion Ratio Lower Upper

84 100

49 103.3 98.7 148.1

51 29.1 30.8 46.2#

86 55.4 51.2 76.8

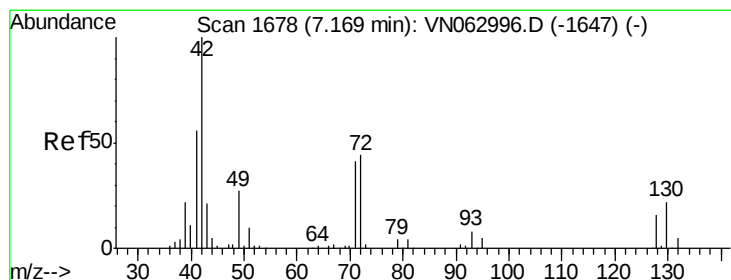
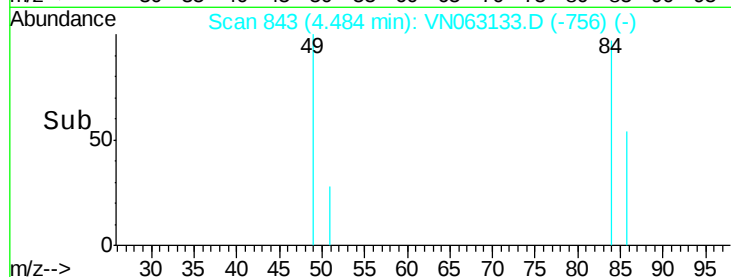
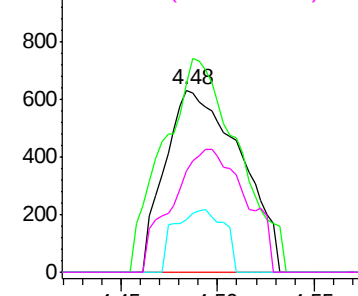


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#29

Tetrahydrofuran

Concen: 0.701 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VN063133.D

Acq: 26 Aug 2020 15:23

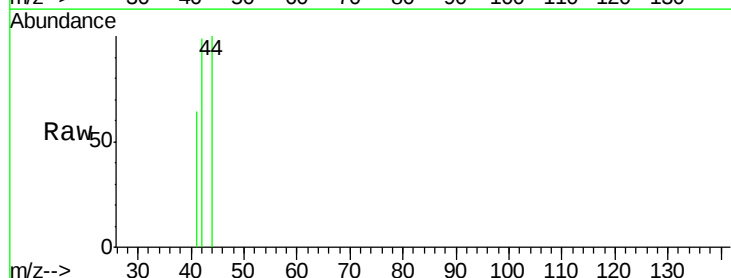
Tgt Ion: 42 Resp: 512

Ion Ratio Lower Upper

42 100

72 0.0 34.6 52.0#

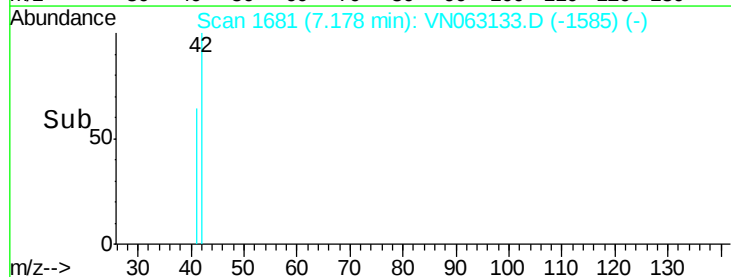
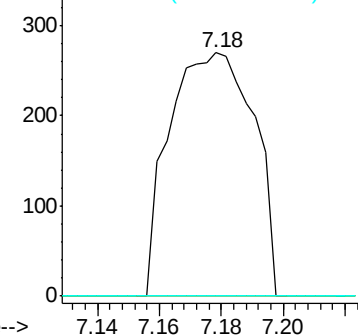
71 0.0 32.3 48.5#

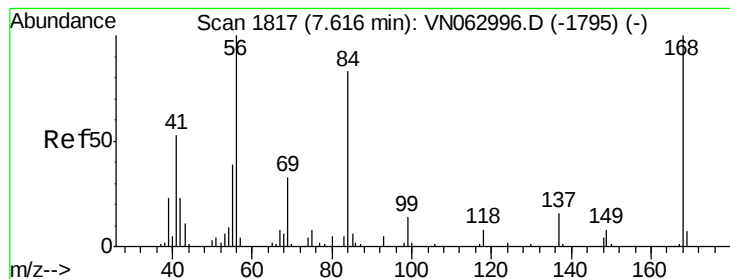


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0





#31

Cyclohexane

Concen: 1.024 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN063133.D

Acq: 26 Aug 2020 15:23

Instrument :

MSVOA_N

ClientSampled :

TOTE-1-1

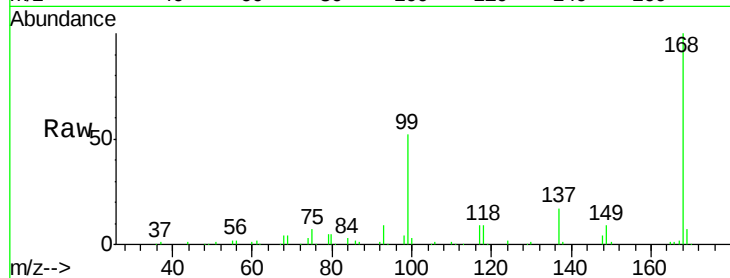
Tgt Ion: 56 Resp: 3218

Ion Ratio Lower Upper

56 100

69 190.3 26.6 40.0#

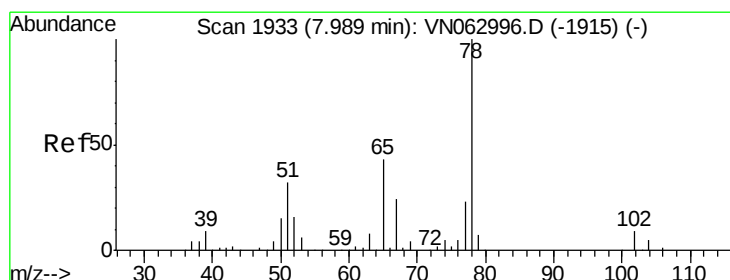
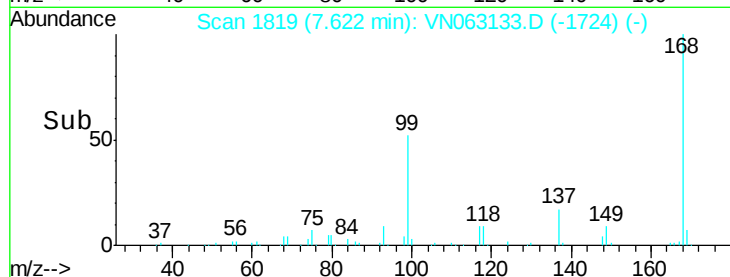
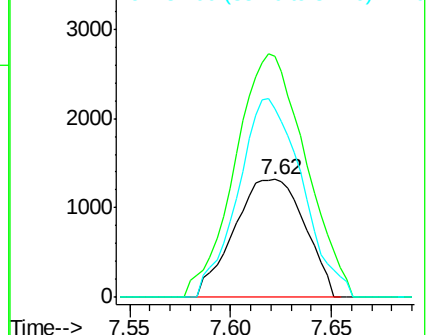
84 159.9 66.4 99.6#



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: 53.433 ug/l

RT: 7.98 min Scan# 1931

Delta R.T. -0.01 min

Lab File: VN063133.D

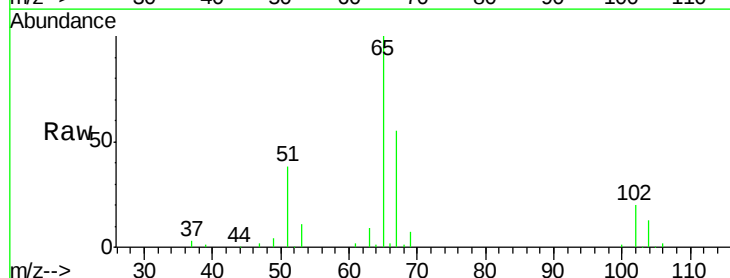
Acq: 26 Aug 2020 15:23

Tgt Ion: 65 Resp: 113876

Ion Ratio Lower Upper

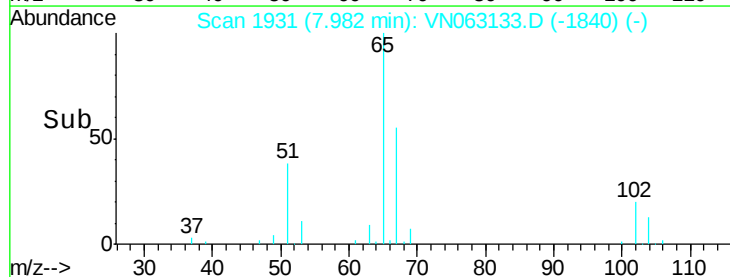
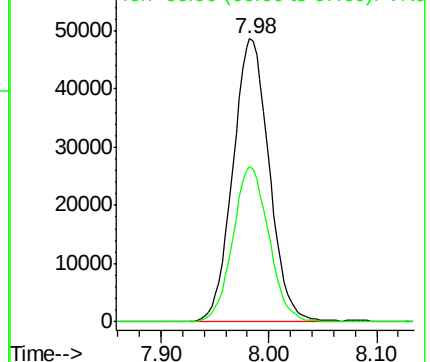
65 100

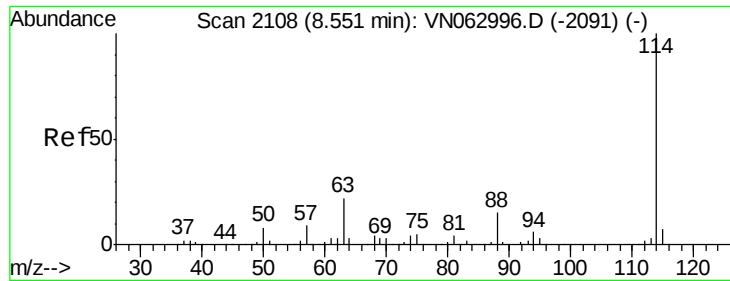
67 54.3 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

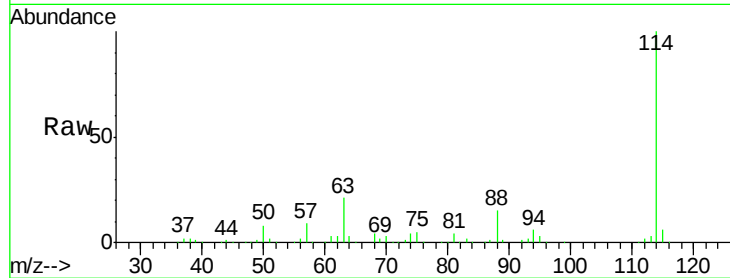




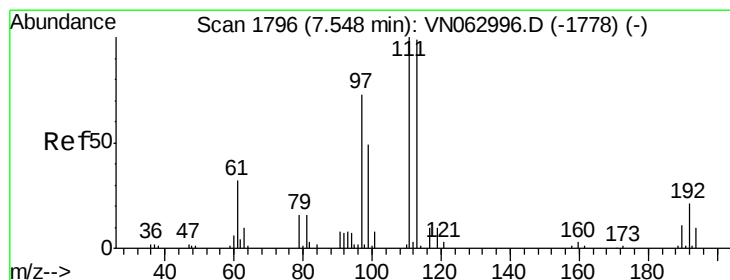
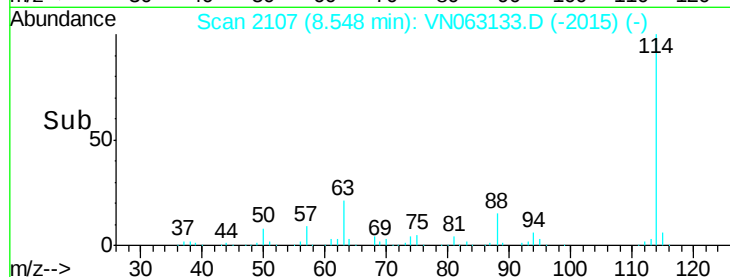
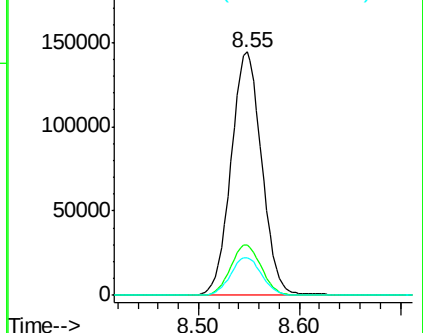
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN063133.D
 Acq: 26 Aug 2020 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 TOTE-1-1

Tgt Ion:114 Resp: 304813
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 43.2
 88 15.4 0.0 30.6

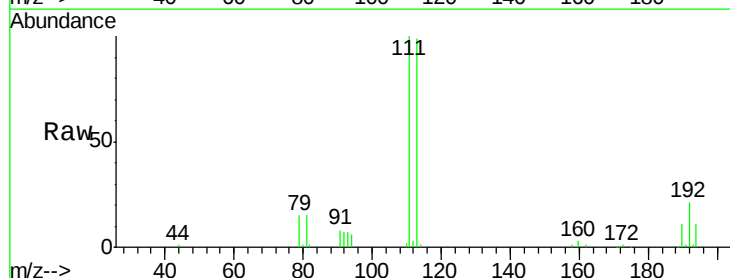


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

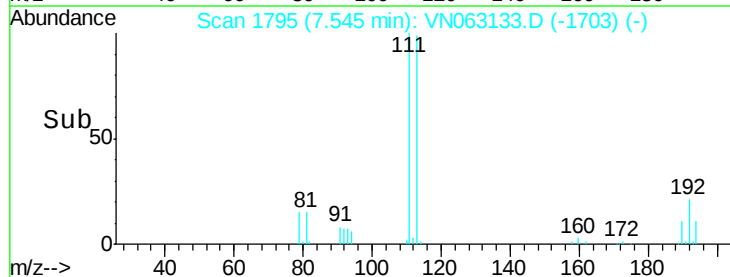
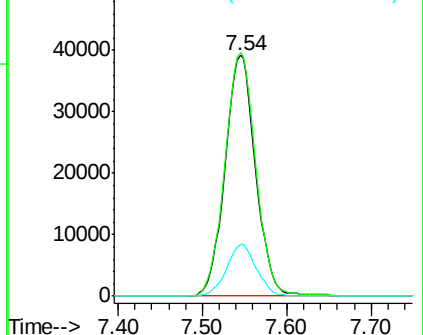


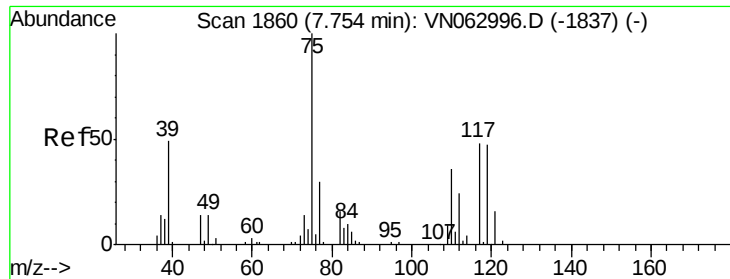
#35
 Dibromofluoromethane
 Concen: 49.483 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN063133.D
 Acq: 26 Aug 2020 15:23

Tgt Ion:113 Resp: 98281
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.7 122.5
 192 20.9 17.5 26.3



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: 4.888 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. -0.13 min

Lab File: VN063133.D

Acq: 26 Aug 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

TOTE-1-1

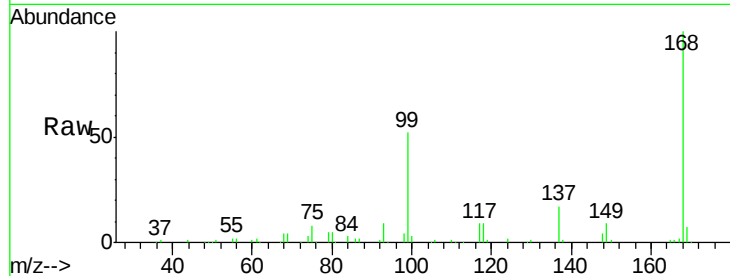
Tgt Ion: 75 Resp: 13129

Ion Ratio Lower Upper

75 100

110 2.6 17.5 52.6#

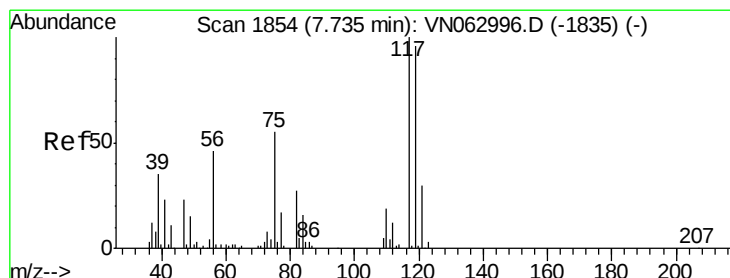
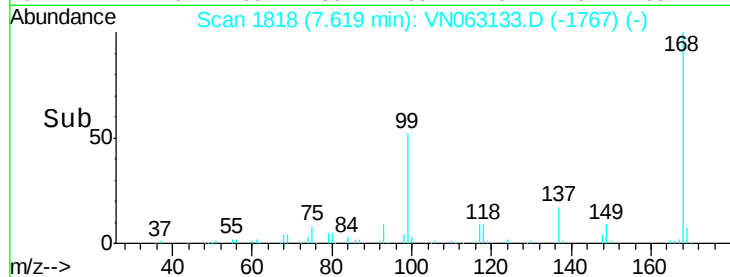
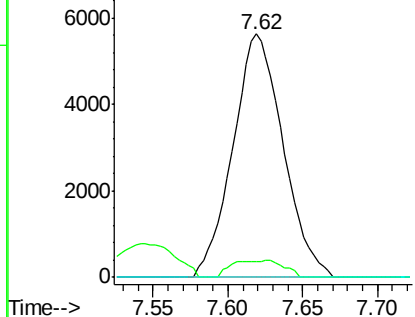
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VN063133.D (-1767) (-)

Ion 109.90 (109.60 to 110.60): VN063133.D (-1767) (-)

Ion 76.90 (76.60 to 77.60): VN063133.D (-1767) (-)



#38

Carbon Tetrachloride

Concen: 5.928 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. -0.12 min

Lab File: VN063133.D

Acq: 26 Aug 2020 15:23

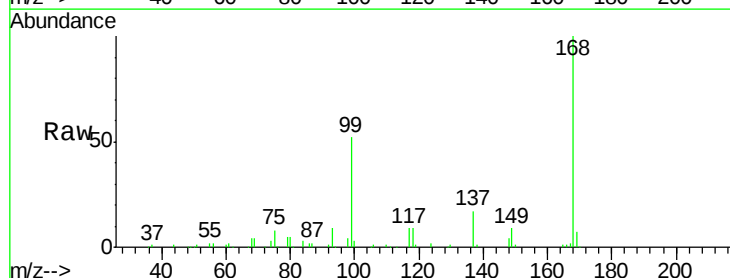
Tgt Ion: 117 Resp: 16077

Ion Ratio Lower Upper

117 100

119 5.7 76.2 114.4#

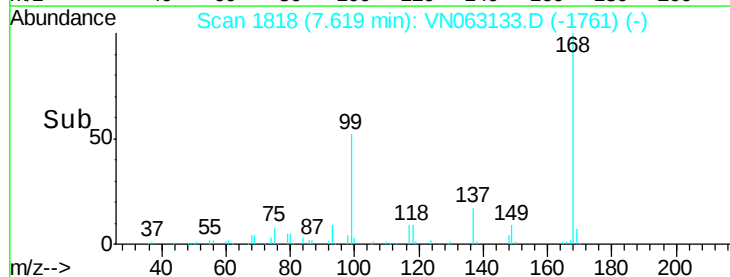
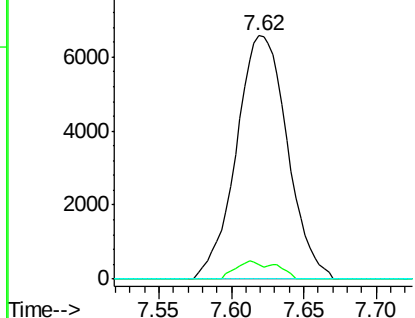
121 0.0 24.2 36.2#

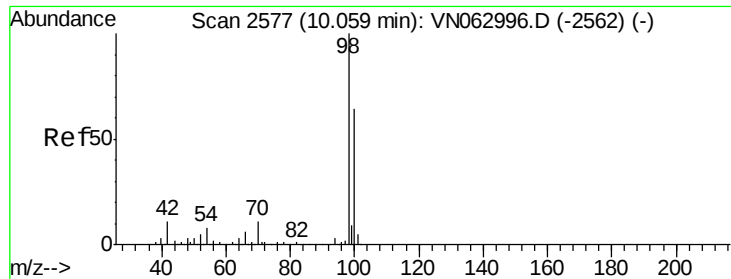


Abundance Ion 116.80 (116.50 to 117.50): VN063133.D (-1761) (-)

Ion 118.80 (118.50 to 119.50): VN063133.D (-1761) (-)

Ion 120.80 (120.50 to 121.50): VN063133.D (-1761) (-)

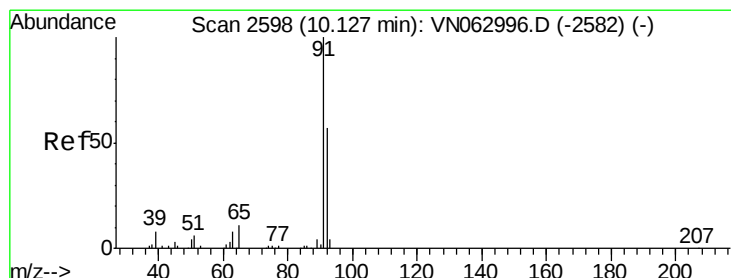
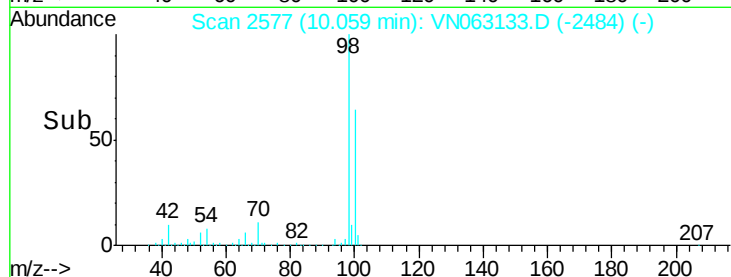
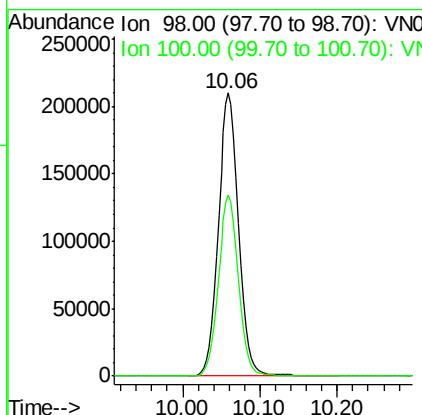
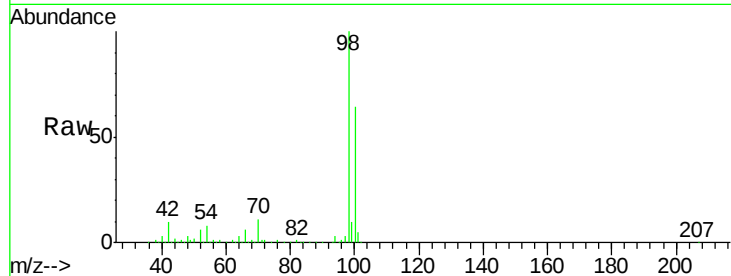




#50
Toluene-d8
Concen: 50.387 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN063133.D
Acq: 26 Aug 2020 15:23

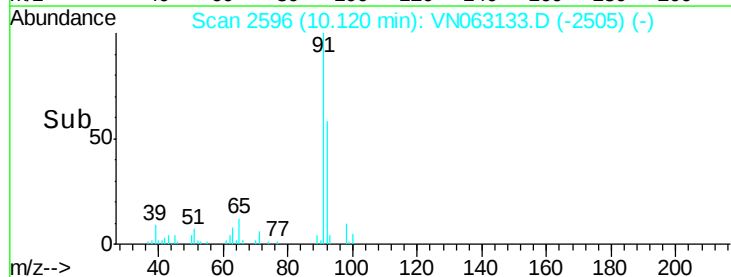
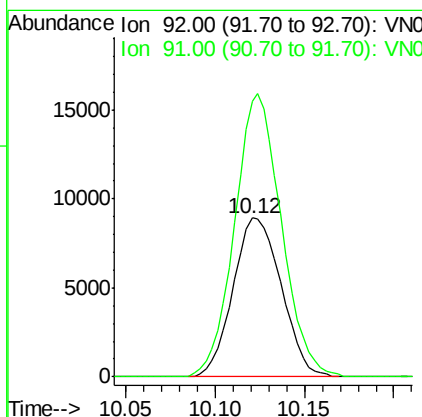
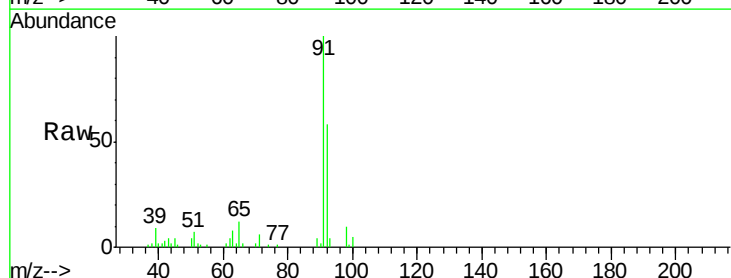
Instrument :
MSVOA_N
ClientSampleId :
TOTE-1-1

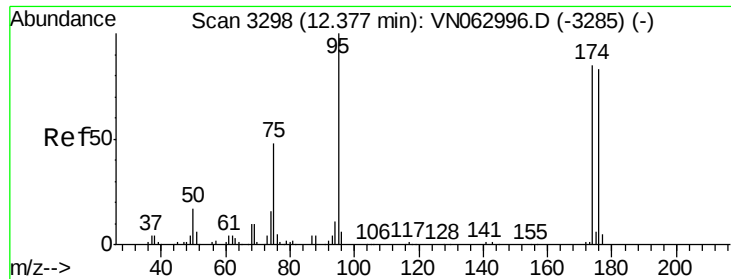
Tgt Ion: 98 Resp: 384398
Ion Ratio Lower Upper
98 100
100 63.6 51.2 76.8



#52
Toluene
Concen: 3.288 ug/l
RT: 10.12 min Scan# 2596
Delta R.T. -0.01 min
Lab File: VN063133.D
Acq: 26 Aug 2020 15:23

Tgt Ion: 92 Resp: 16898
Ion Ratio Lower Upper
92 100
91 172.0 139.2 208.8





#62

4-Bromofluorobenzene

Concen: 50.257 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN063133.D

Acq: 26 Aug 2020 15:23

Instrument :

MSVOA_N

ClientSampled :

TOTE-1-1

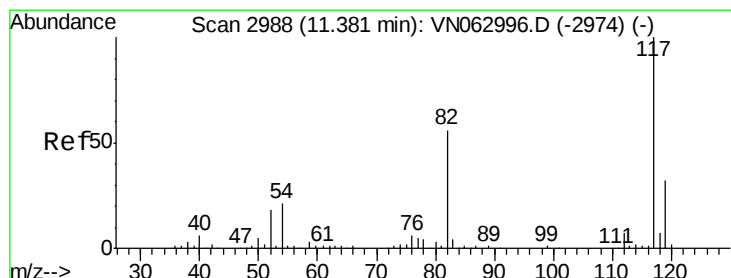
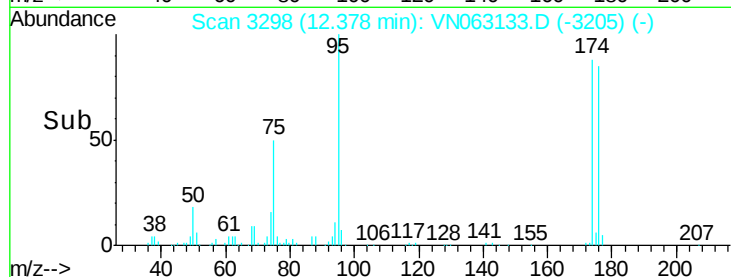
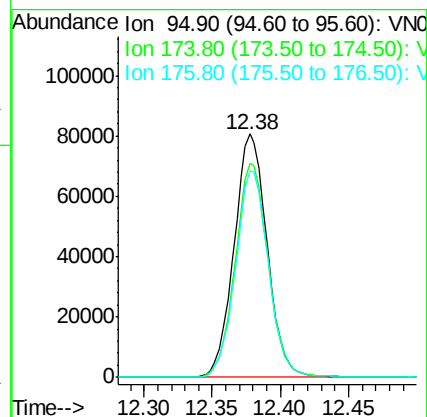
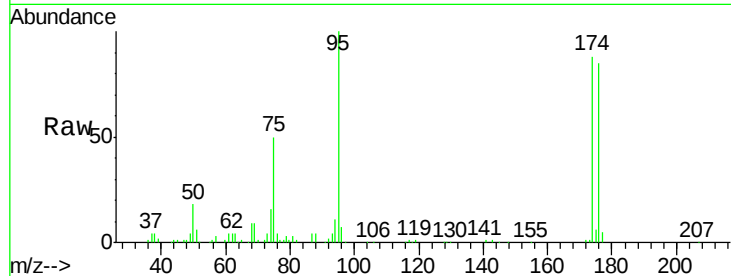
Tgt Ion: 95 Resp: 135298

Ion Ratio Lower Upper

95 100

174 88.3 0.0 170.8

176 84.5 0.0 164.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN063133.D

Acq: 26 Aug 2020 15:23

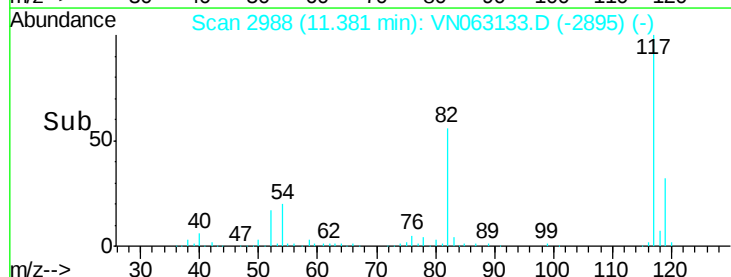
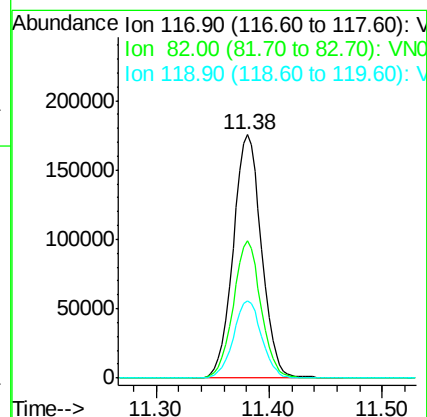
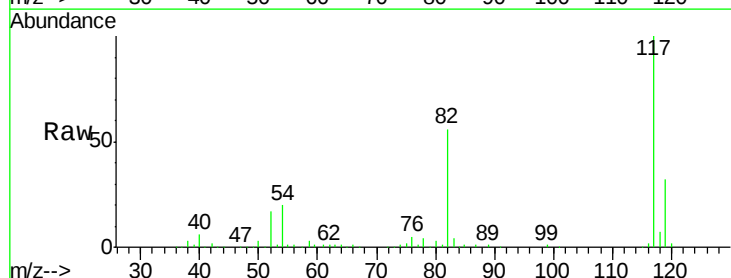
Tgt Ion: 117 Resp: 305340

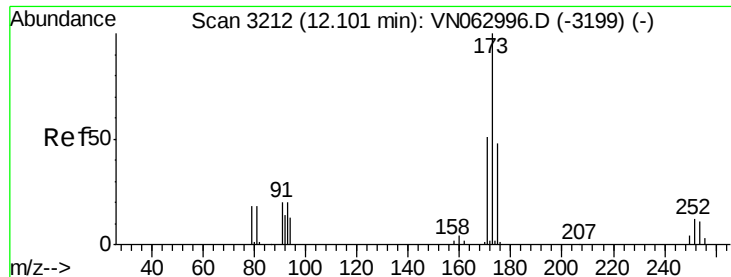
Ion Ratio Lower Upper

117 100

82 56.3 44.5 66.7

119 31.8 25.5 38.3





#71

Bromoform

Concen: 0.669 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN063133.D

Acq: 26 Aug 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

TOTE-1-1

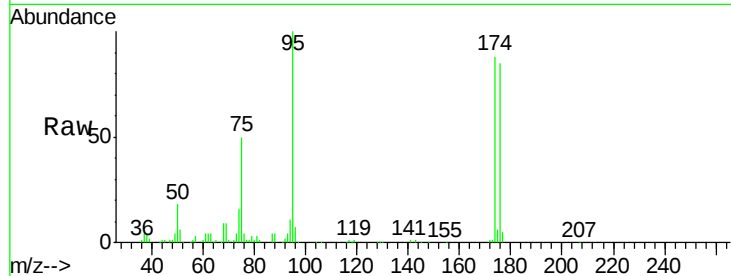
Tgt Ion:173 Resp: 1271

Ion Ratio Lower Upper

173 100

175 554.5 24.3 72.8#

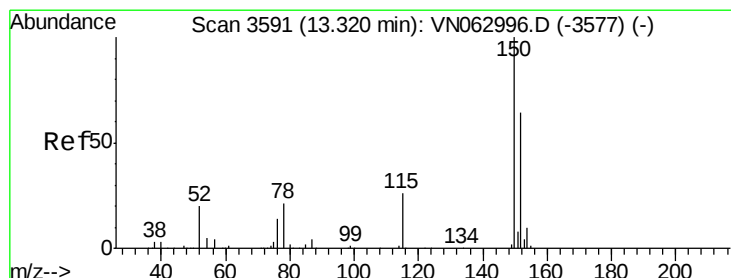
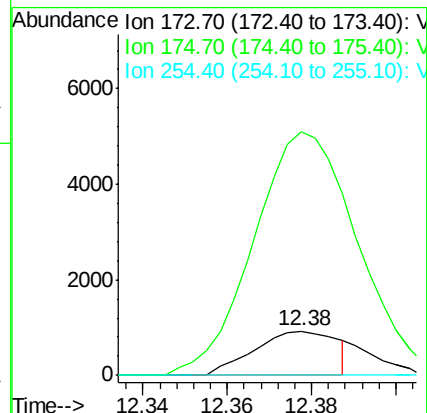
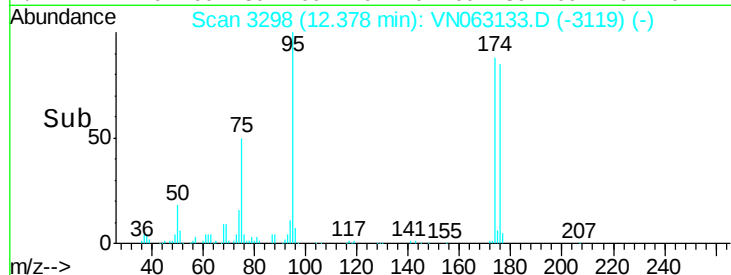
254 0.0 0.0 0.0



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: VN063133.D

Acq: 26 Aug 2020 15:23

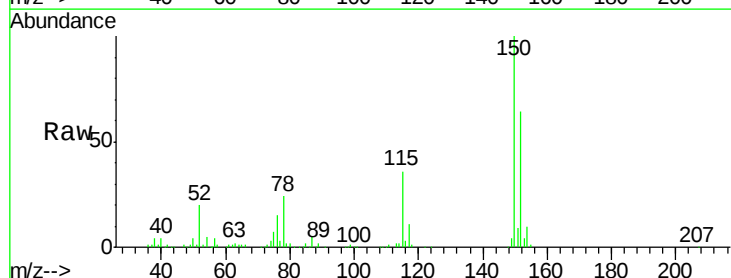
Tgt Ion:152 Resp: 135658

Ion Ratio Lower Upper

152 100

115 56.5 28.7 86.3

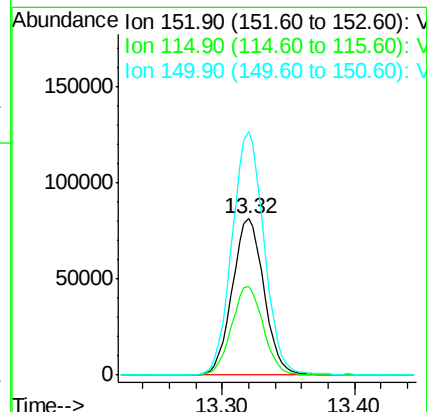
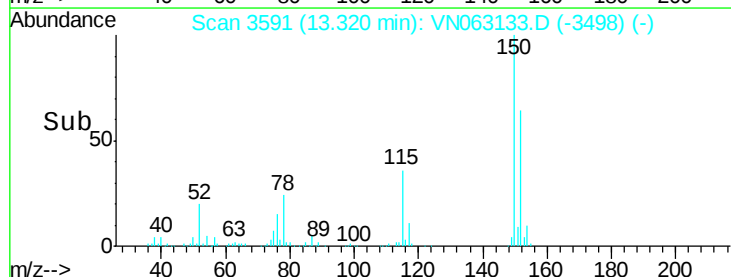
150 156.5 0.0 348.8

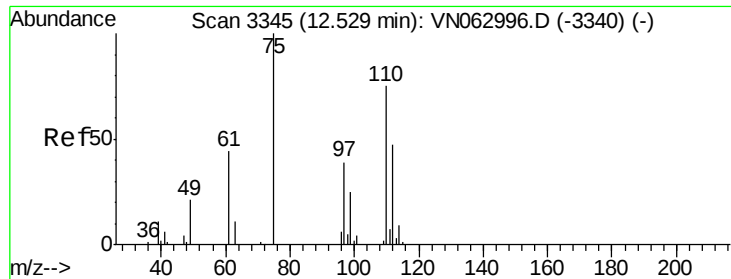


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

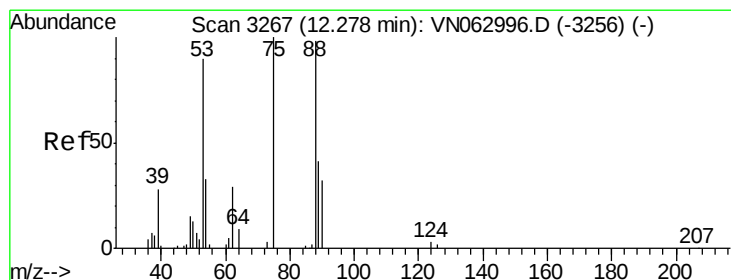
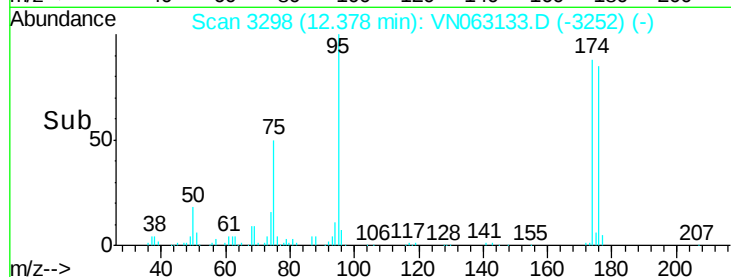
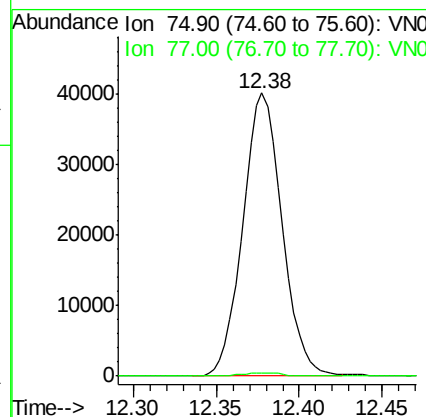
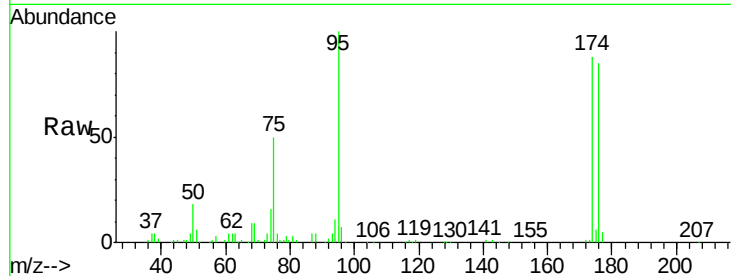




#76
 1,2,3-Trichloropropane
 Concen: 25.098 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN063133.D
 Acq: 26 Aug 2020 15:23

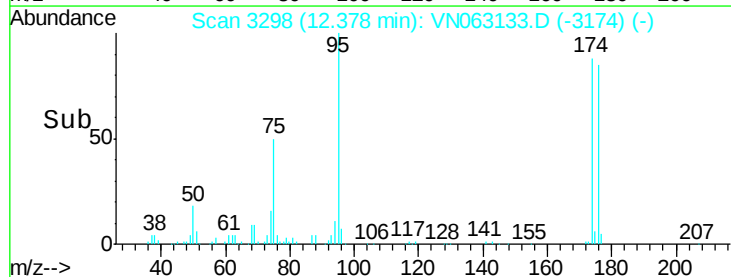
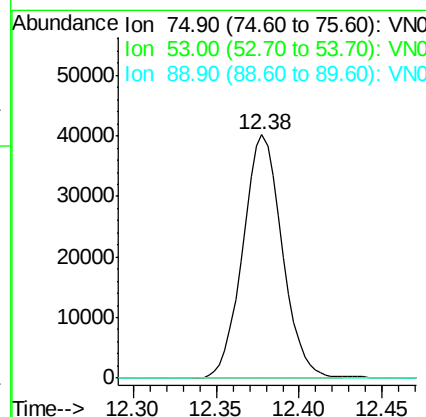
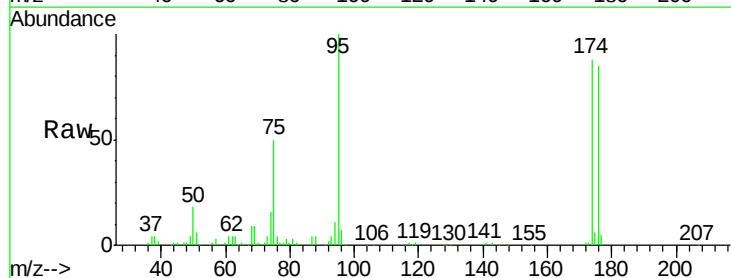
Instrument :
 MSVOA_N
 ClientSampleId :
 TOTE-1-1

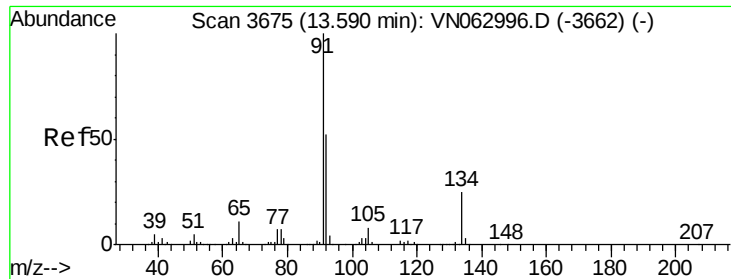
Tgt Ion: 75 Resp: 66181
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.931 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN063133.D
 Acq: 26 Aug 2020 15:23

Tgt Ion: 75 Resp: 66181
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.2 103.8#
 89 0.0 34.2 51.4#





#89

n-Butylbenzene

Concen: 2.780 ug/l

RT: 13.59 min Scan# 3674

Delta R.T. -0.00 min

Lab File: VN063133.D

Acq: 26 Aug 2020 15:23

Instrument :

MSVOA_N

ClientSampled :

TOTE-1-1

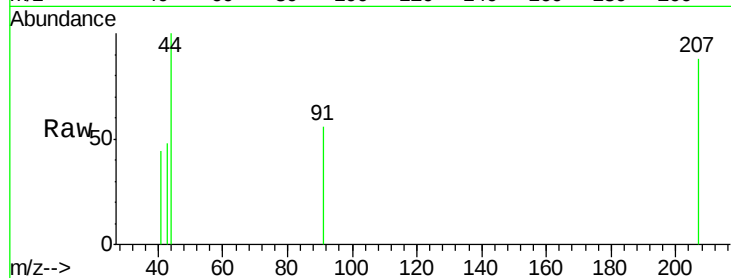
Tgt Ion: 91 Resp: 71

Ion Ratio Lower Upper

91 100

92 0.0 25.9 77.6#

134 0.0 12.4 37.0#

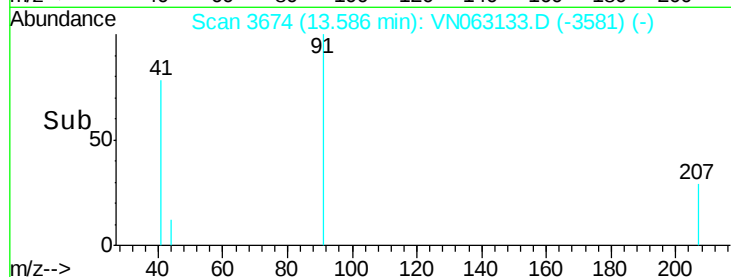


Abundance Ion 91.00 (90.70 to 91.70): VN062996.D (-3662) (-)

Ion 92.00 (91.70 to 92.70): VN062996.D (-3662) (-)

Ion 134.00 (133.70 to 134.70): VN062996.D (-3662) (-)

Time-->

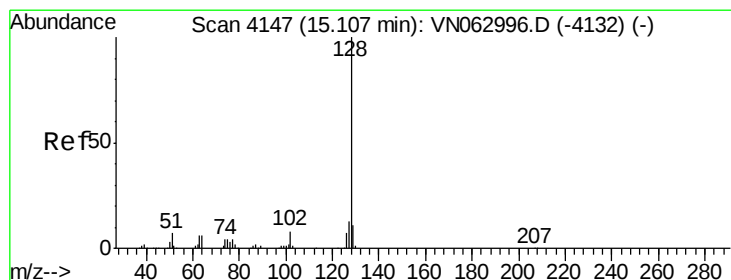


Abundance Ion 91.00 (90.70 to 91.70): VN063133.D (-3581) (-)

Ion 92.00 (91.70 to 92.70): VN063133.D (-3581) (-)

Ion 134.00 (133.70 to 134.70): VN063133.D (-3581) (-)

Time-->



#95

Naphthalene

Concen: 5.951 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN063133.D

Acq: 26 Aug 2020 15:23

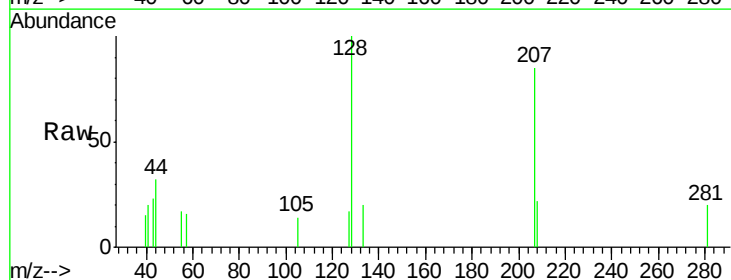
Tgt Ion: 128 Resp: 1884

Ion Ratio Lower Upper

128 100

127 6.2 10.6 16.0#

129 0.0 8.9 13.3#

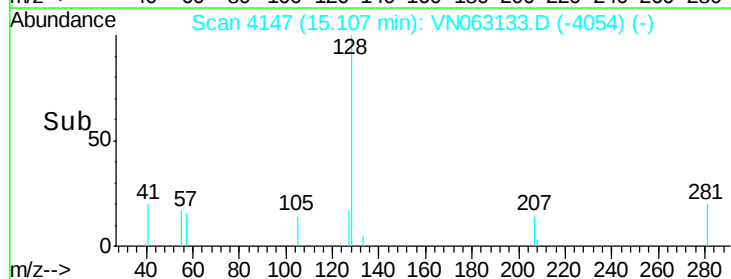


Abundance Ion 128.00 (127.70 to 128.70): VN062996.D (-4132) (-)

Ion 127.00 (126.70 to 127.70): VN062996.D (-4132) (-)

Ion 129.00 (128.70 to 129.70): VN062996.D (-4132) (-)

Time-->



Abundance Ion 128.00 (127.70 to 128.70): VN063133.D (-4054) (-)

Ion 127.00 (126.70 to 127.70): VN063133.D (-4054) (-)

Ion 129.00 (128.70 to 129.70): VN063133.D (-4054) (-)

Time-->