

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093020\
 Data File : VN063758.D
 Acq On : 30 Sep 2020 18:43
 Operator : JC/MD
 Sample : L4189-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-C-2334-GW

Quant Time: Oct 01 02:16:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	228863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	418557	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	424412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	192708	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	188201	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
35) Dibromofluoromethane	7.55	113	137418	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	
50) Toluene-d8	10.06	98	533990	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	
62) 4-Bromofluorobenzene	12.38	95	220612	53.30	ug/l	0.00
Spiked Amount			Recovery	=	106.60%	

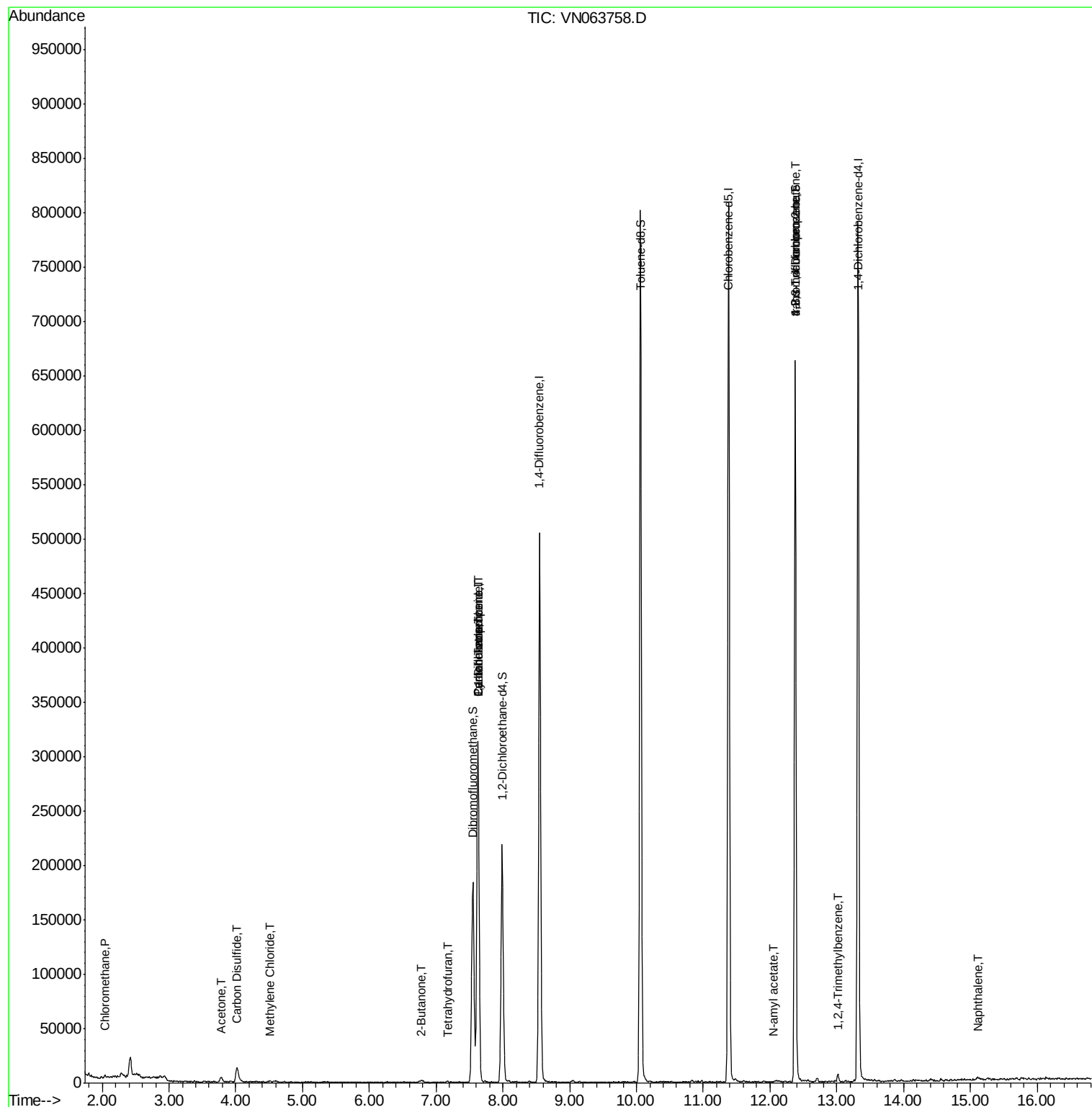
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1691	0.597	ug/l	90
16) Acetone	3.78	43	7577	6.510	ug/l #	87
17) Carbon Disulfide	4.01	76	1200	0.891	ug/l #	76
20) Methylene Chloride	4.51	84	422	0.256	ug/l #	57
25) 2-Butanone	6.78	43	431	0.261	ug/l #	51
29) Tetrahydrofuran	7.17	42	351	0.317	ug/l #	36
31) Cyclohexane	7.62	56	7336	1.671	ug/l #	47
36) 1,1-Dichloropropene	7.63	75	20753	4.894	ug/l #	52
38) Carbon Tetrachloride	7.63	117	26388	5.550	ug/l #	15
74) N-amyl acetate	12.05	43	234	2.250	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	123354	29.038	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	123354	83.633	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.02	105	4531	0.385	ug/l	87
95) Naphthalene	15.11	128	3053	2.207	ug/l #	72

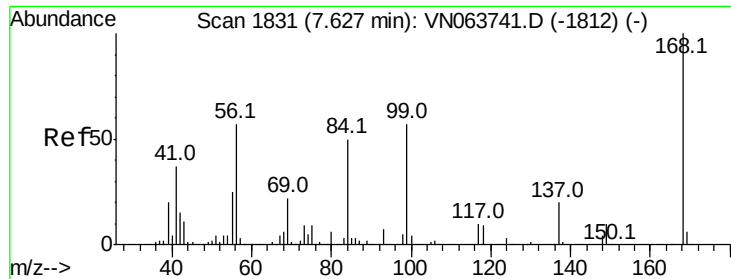
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063758.D

Acq: 30 Sep 2020 18:43

Instrument :

MSVOA_N

ClientSampleId :

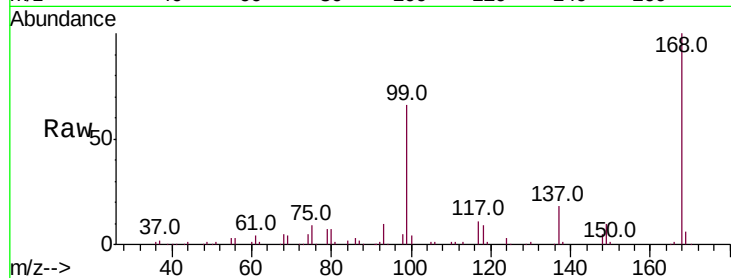
TP-C-2334-GW

Tot Ion:168 Resp: 228863

Ion Ratio Lower Upper

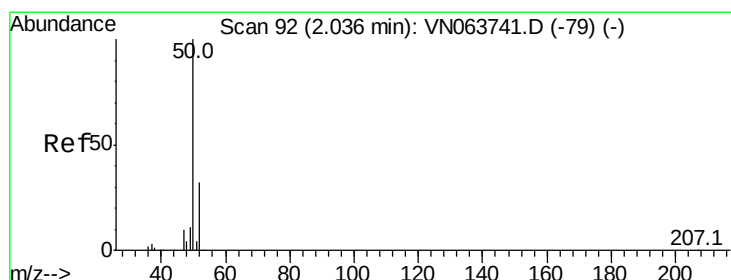
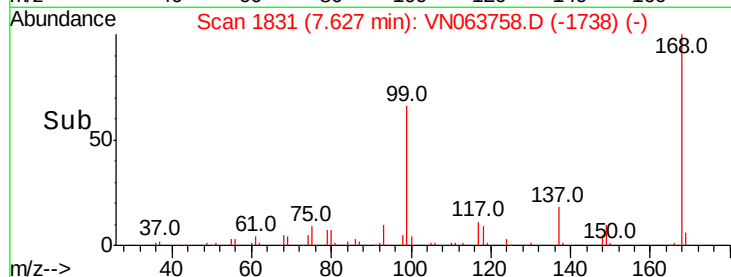
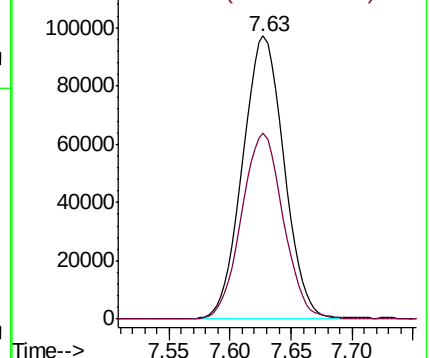
168 100

99 65.6 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.597 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN063758.D

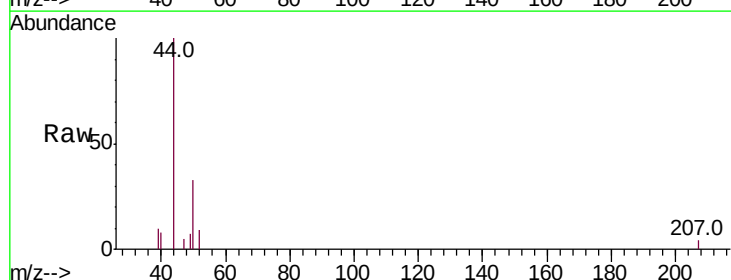
Acq: 30 Sep 2020 18:43

Tgt Ion: 50 Resp: 1691

Ion Ratio Lower Upper

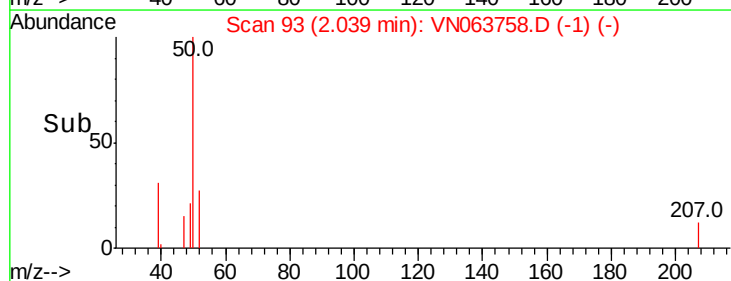
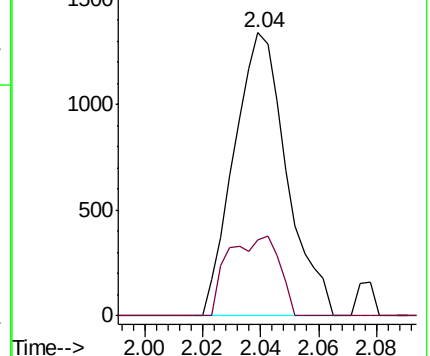
50 100

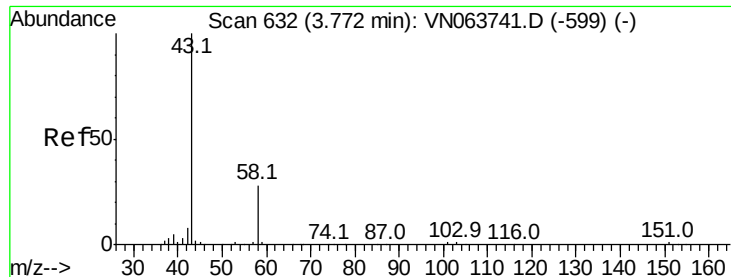
52 26.8 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#16

Acetone

Concen: 6.510 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063758.D

Acq: 30 Sep 2020 18:43

Instrument :

MSVOA_N

ClientSampleId :

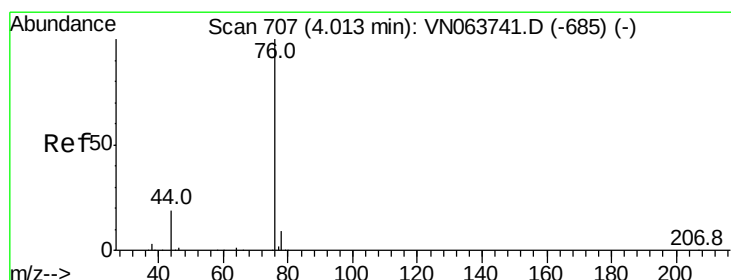
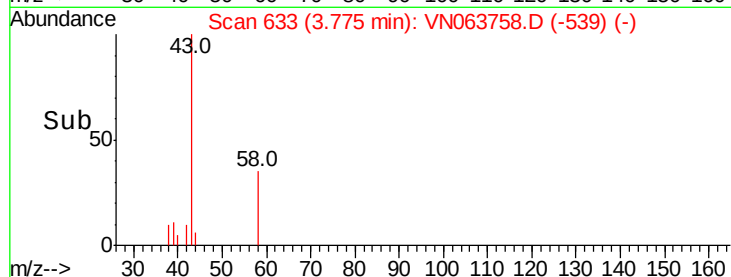
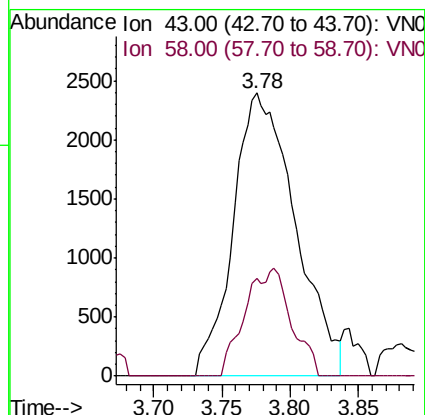
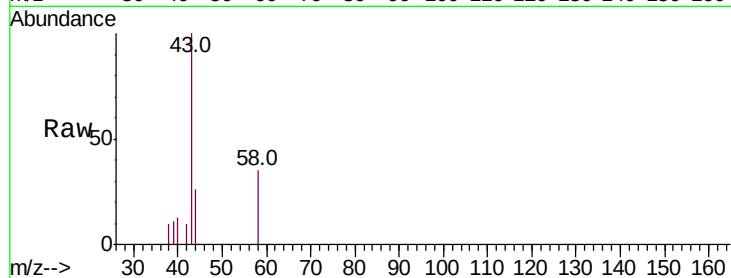
TP-C-2334-GW

Tot Ion: 43 Resp: 7577

Ion Ratio Lower Upper

43 100

58 34.6 22.3 33.5#



#17

Carbon Disulfide

Concen: 0.891 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063758.D

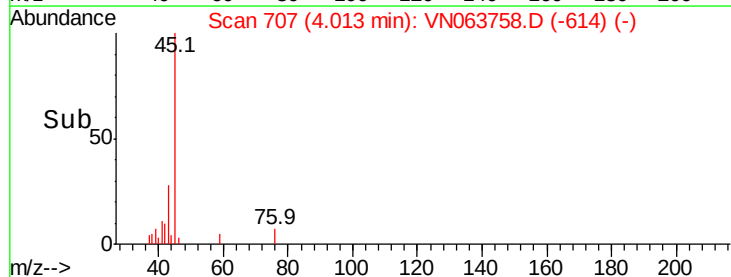
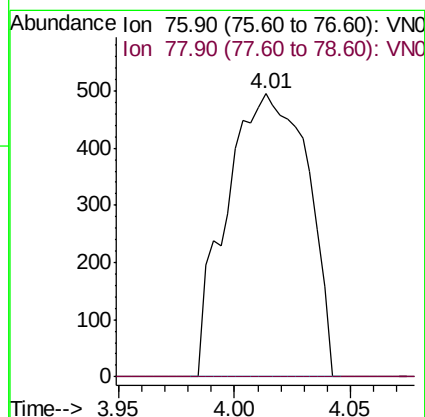
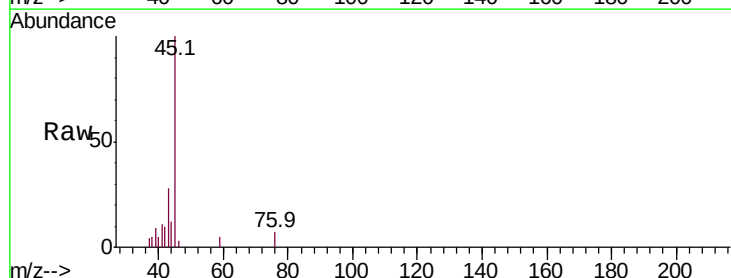
Acq: 30 Sep 2020 18:43

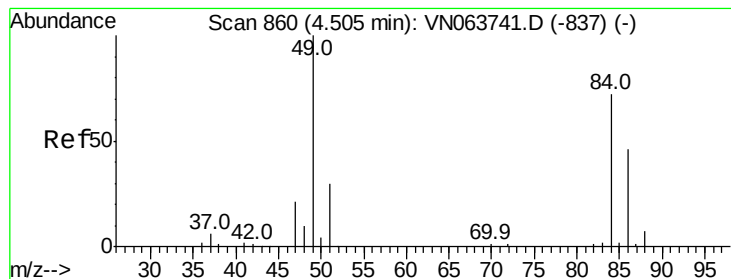
Tgt Ion: 76 Resp: 1200

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#





#20

Methvlene Chloride

Concen: 0.256 ug/l

RT: 4.51 min Scan# 861

Delta R.T. 0.00 min

Lab File: VN063758.D

Acq: 30 Sep 2020 18:43

Instrument :

MSVOA_N

ClientSampleId :

TP-C-2334-GW

Tot Ion: 84 Resp: 422

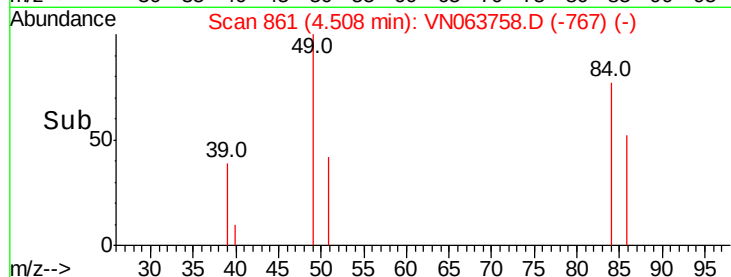
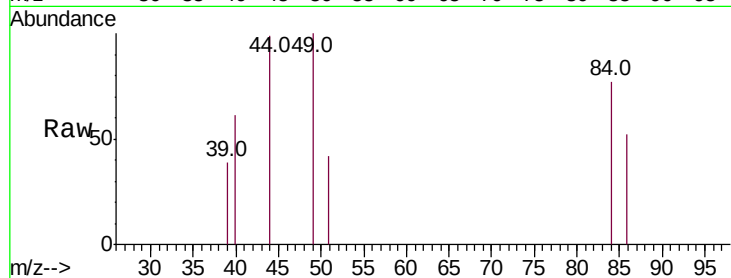
Ion Ratio Lower Upper

84 100

49 57.6 110.4 165.6#

51 54.6 33.3 49.9#

86 67.6 50.7 76.1

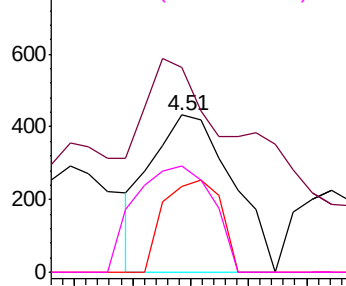


Abundance Ion 83.90 (83.60 to 84.60): VN0

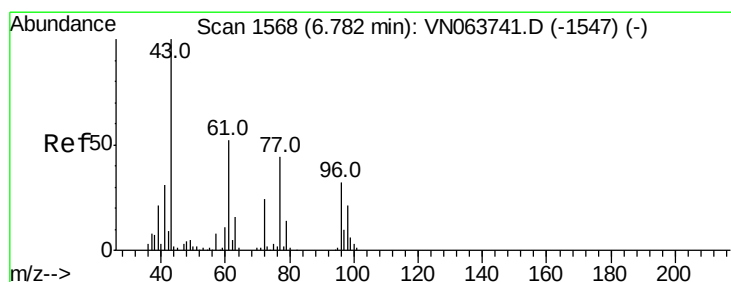
Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



Time-->



#25

2-Butanone

Concen: 0.261 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063758.D

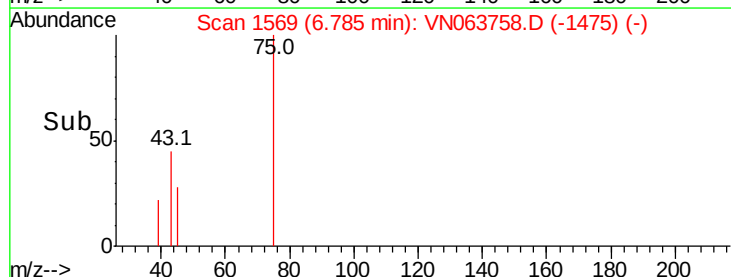
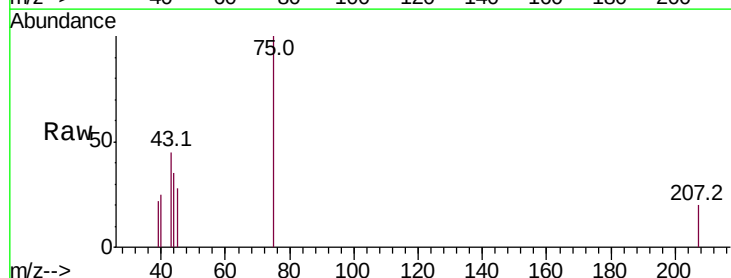
Acq: 30 Sep 2020 18:43

Tgt Ion: 43 Resp: 431

Ion Ratio Lower Upper

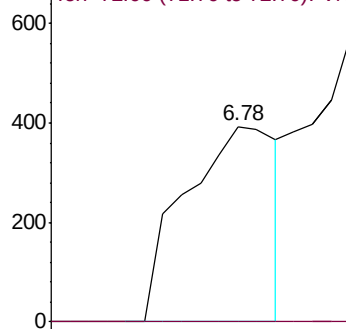
43 100

72 0.0 19.3 28.9#

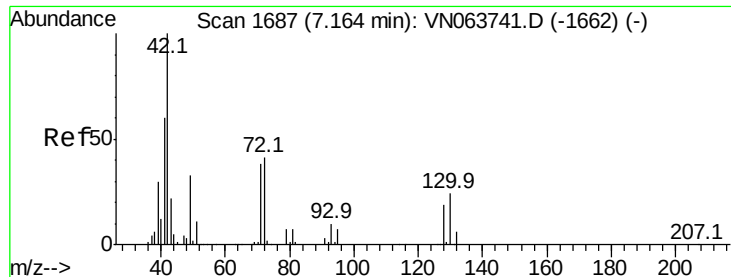


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



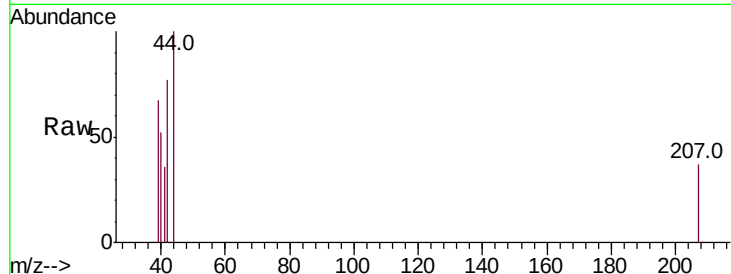
Time-->



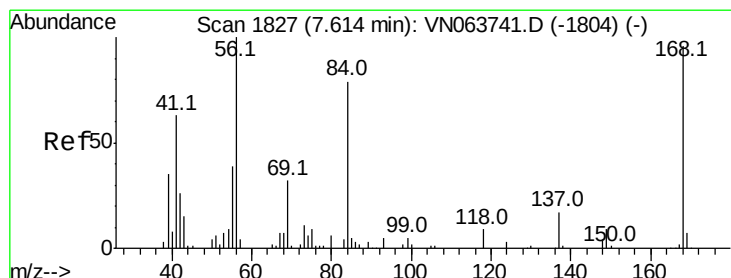
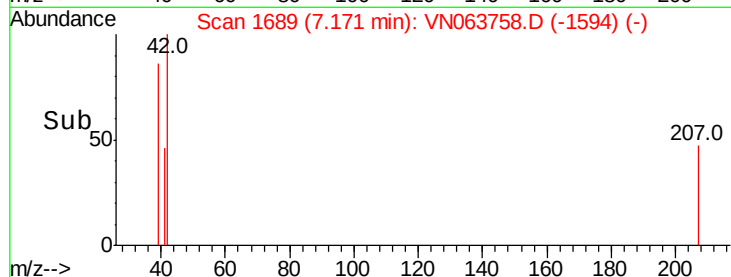
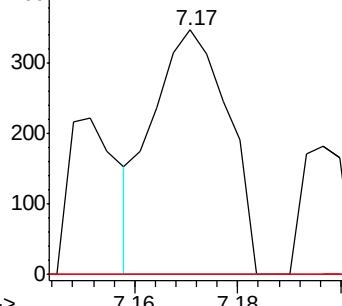
#29
Tetrahydrofuran
Concen: 0.317 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VN063758.D
Acq: 30 Sep 2020 18:43

Instrument :
MSVOA_N
ClientSampleId :
TP-C-2334-GW

Tot Ion: 42 Resp: 351
Ion Ratio Lower Upper
42 100
72 0.0 32.8 49.2#
71 0.0 30.6 45.8#

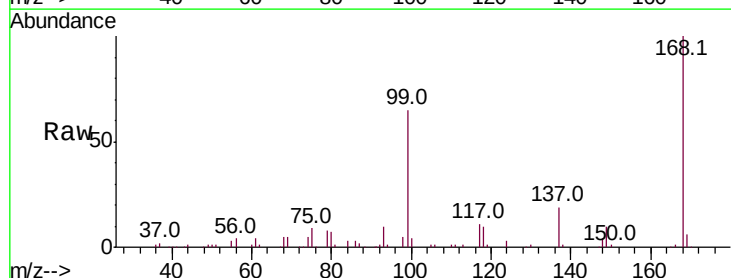


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

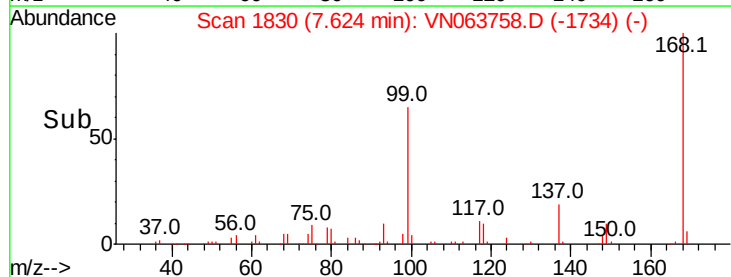
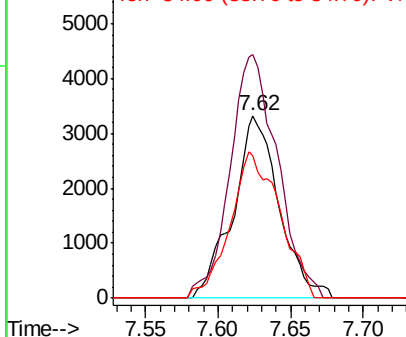


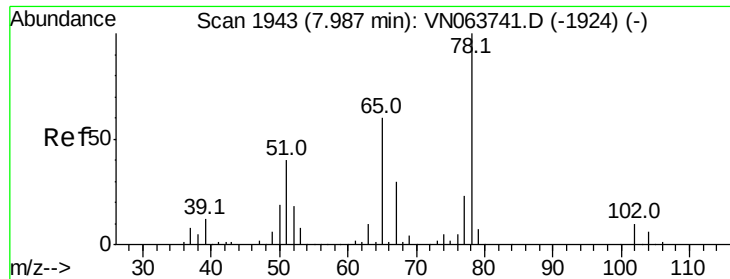
#31
Cyclohexane
Concen: 1.671 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN063758.D
Acq: 30 Sep 2020 18:43

Tgt Ion: 56 Resp: 7336
Ion Ratio Lower Upper
56 100
69 133.3 25.4 38.2#
84 78.0 63.3 94.9



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

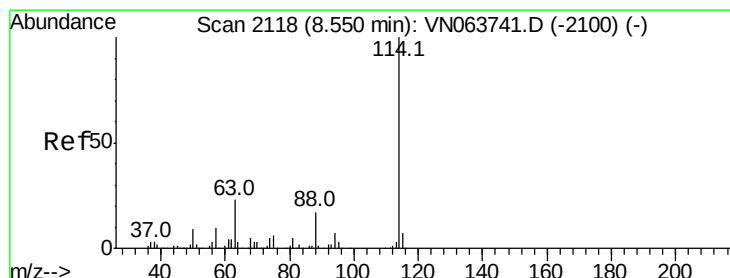
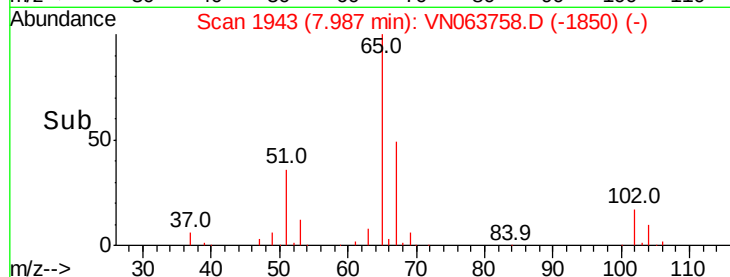
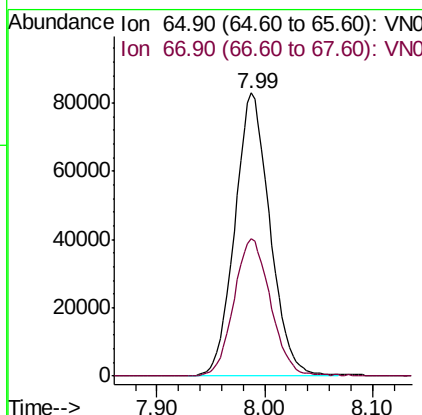
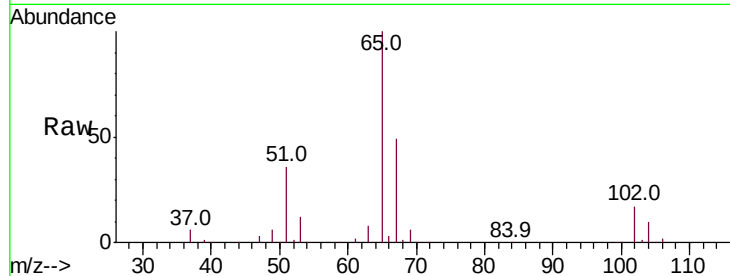




#33
 1,2-Dichloroethane-d4
 Concen: 49.776 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063758.D
 Acq: 30 Sep 2020 18:43

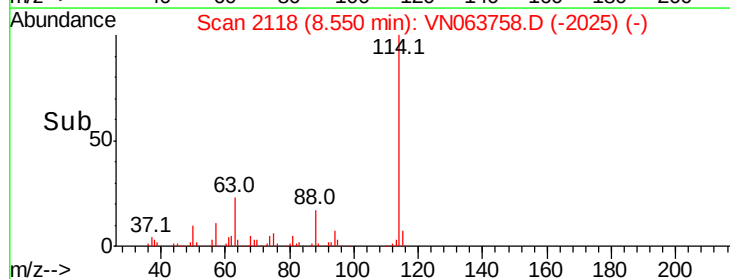
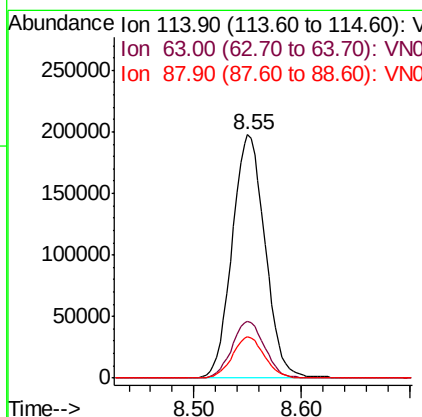
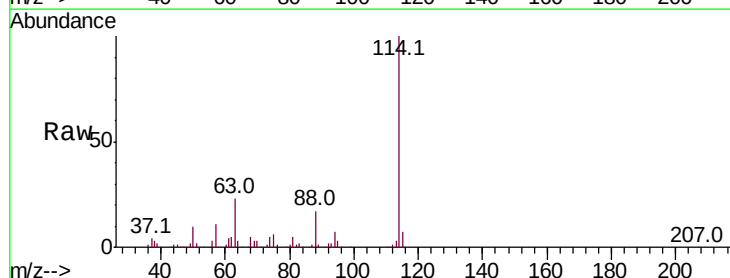
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-C-2334-GW

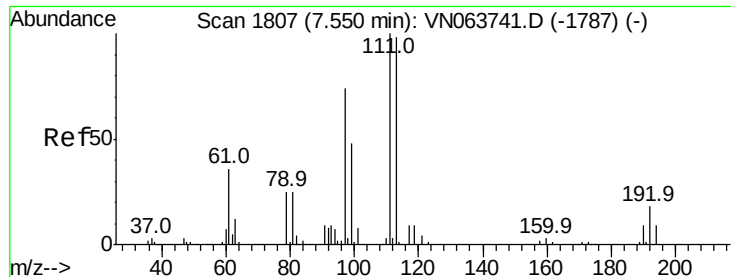
Tot Ion: 65 Resp: 188201
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063758.D
 Acq: 30 Sep 2020 18:43

Tgt Ion: 114 Resp: 418557
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 45.0
 88 17.1 0.0 34.0

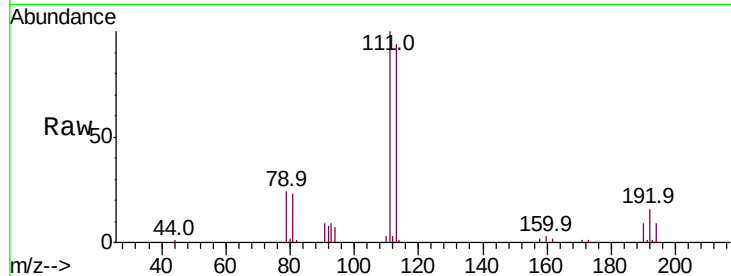




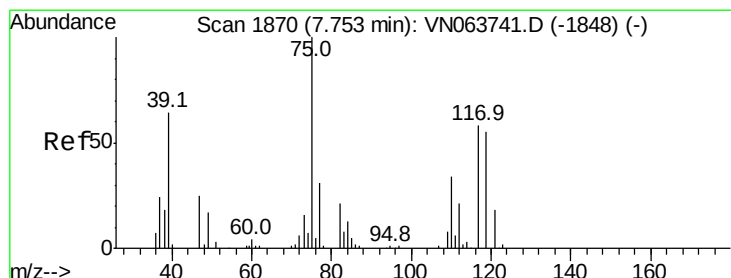
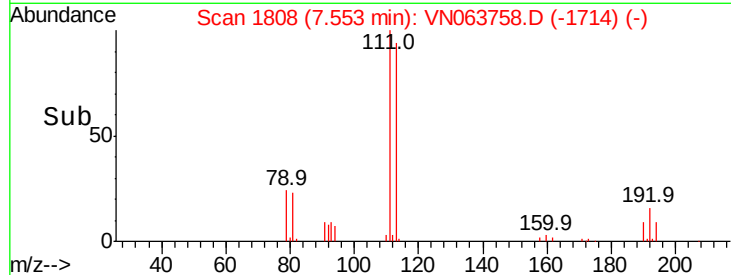
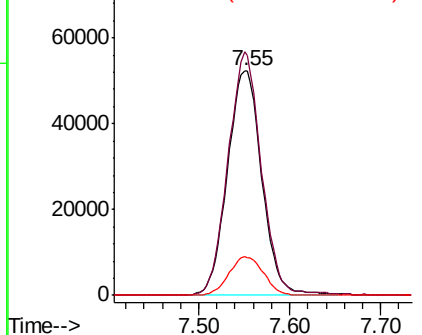
#35
 Dibromofluoromethane
 Concen: 47.316 ug/l
 RT: 7.55 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN063758.D
 Acq: 30 Sep 2020 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-C-2334-GW

Tot Ion:113 Resp: 137418
 Ion Ratio Lower Upper
 113 100
 111 104.5 81.8 122.8
 192 17.3 14.2 21.2

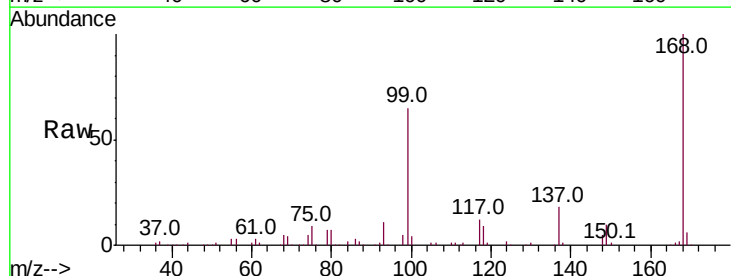


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

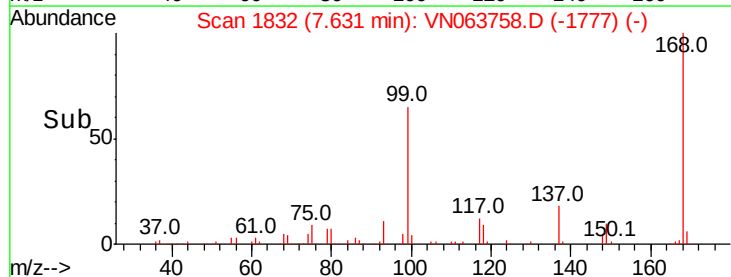
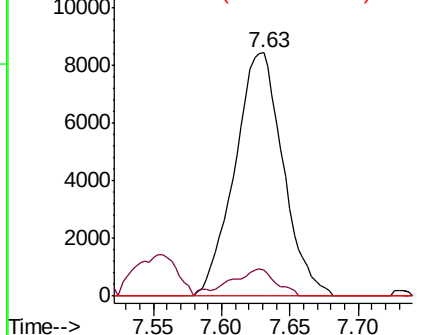


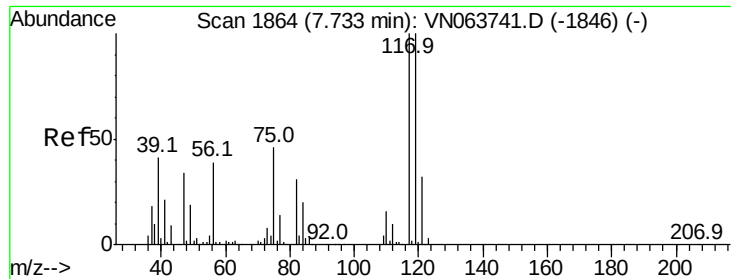
#36
 1,1-Dichloropropene
 Concen: 4.894 ug/l
 RT: 7.63 min Scan# 1832
 Delta R.T. -0.12 min
 Lab File: VN063758.D
 Acq: 30 Sep 2020 18:43

Tgt Ion: 75 Resp: 20753
 Ion Ratio Lower Upper
 75 100
 110 10.5 16.9 50.6#
 77 0.0 24.5 36.7#



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

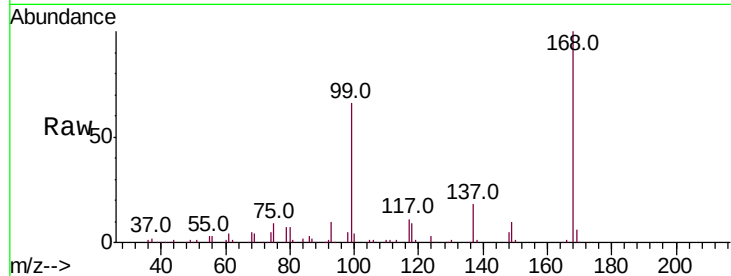




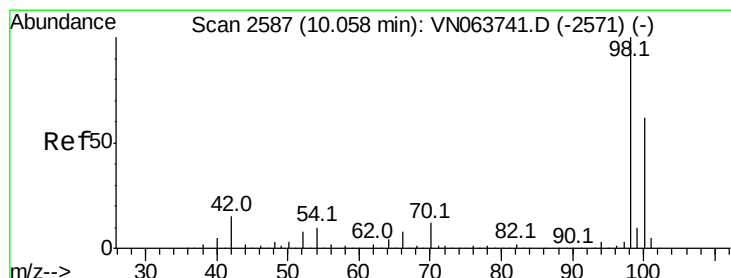
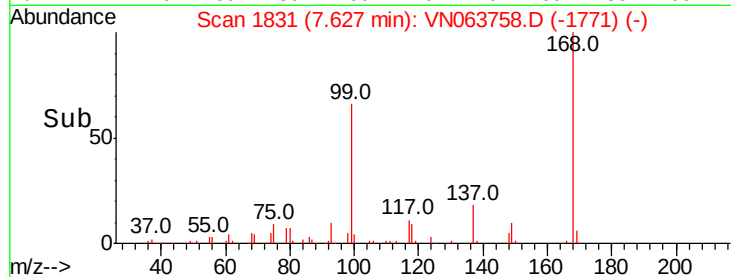
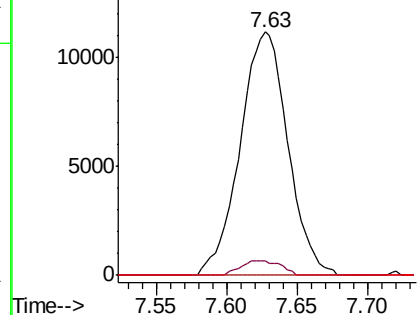
#38
Carbon Tetrachloride
Concen: 5.550 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN063758.D
Acq: 30 Sep 2020 18:43

Instrument :
MSVOA_N
ClientSampled :
TP-C-2334-GW

Tot Ion:117 Resp: 26388
Ion Ratio Lower Upper
117 100
119 5.9 80.1 120.1#
121 0.0 25.7 38.5#

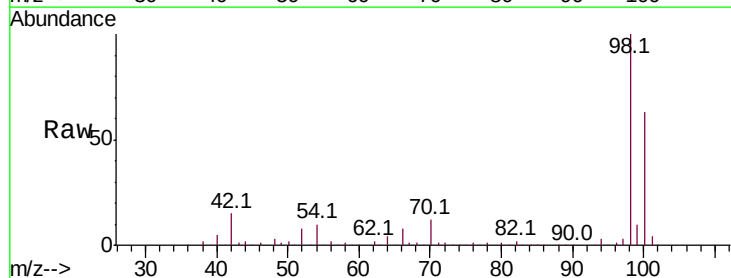


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

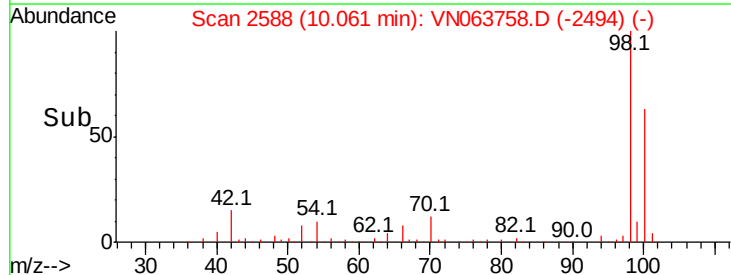
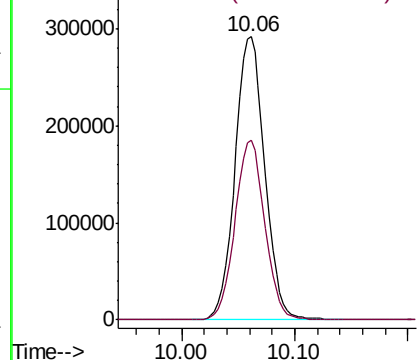


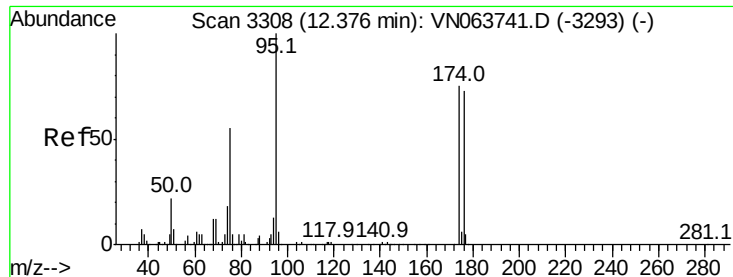
#50
Toluene-d8
Concen: 48.501 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063758.D
Acq: 30 Sep 2020 18:43

Tgt Ion: 98 Resp: 533990
Ion Ratio Lower Upper
98 100
100 63.5 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 53.305 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063758.D

Acq: 30 Sep 2020 18:43

Instrument :

MSVOA_N

ClientSampleId :

TP-C-2334-GW

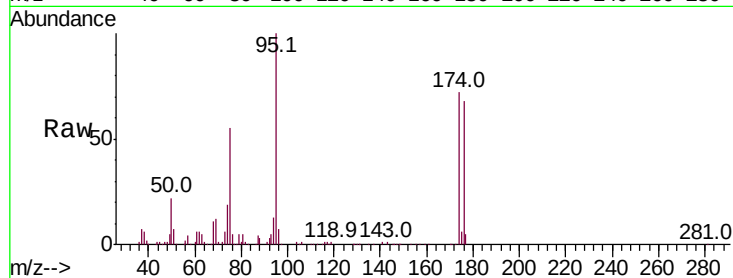
Tot Ion: 95 Resp: 220612

Ion Ratio Lower Upper

95 100

174 73.5 0.0 150.6

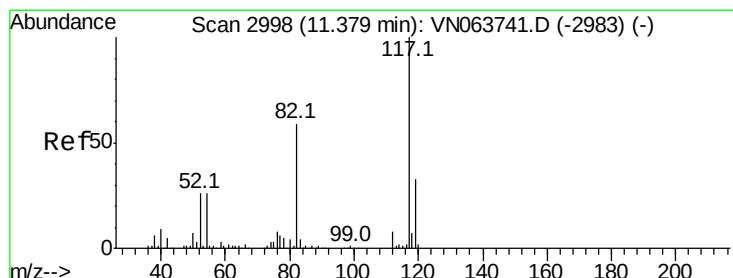
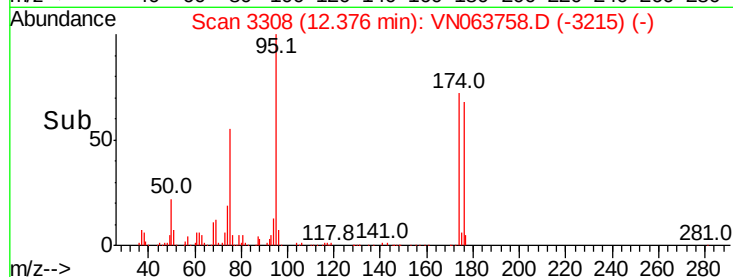
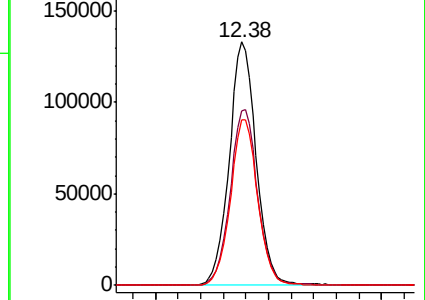
176 69.0 0.0 145.4



Abundance Ion 94.90 (94.60 to 95.60): VN063741.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN063741.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN063741.D (-3293) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063758.D

Acq: 30 Sep 2020 18:43

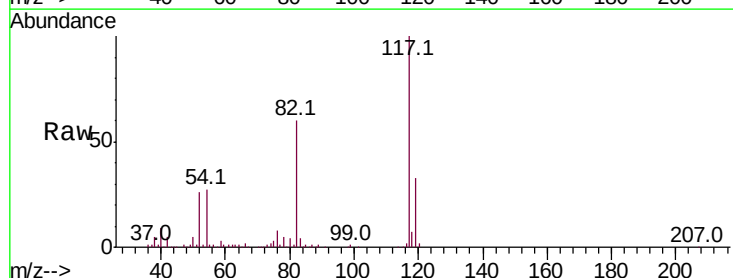
Tgt Ion: 117 Resp: 424412

Ion Ratio Lower Upper

117 100

82 60.4 47.4 71.2

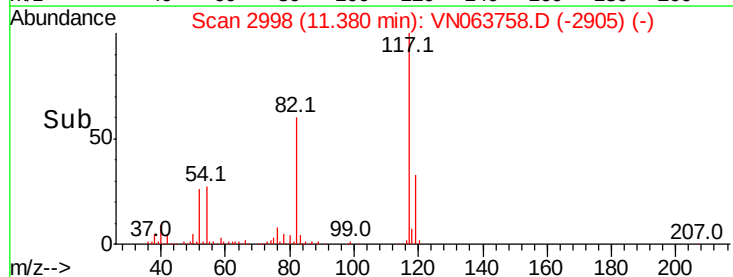
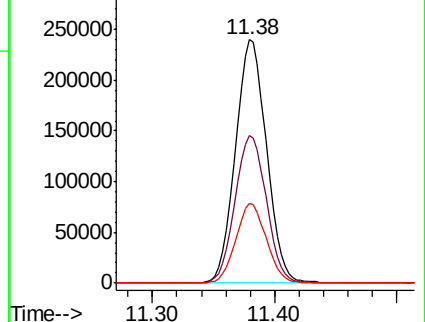
119 32.6 26.4 39.6

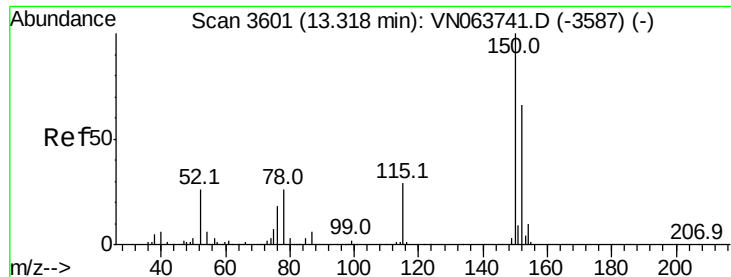


Abundance Ion 116.90 (116.60 to 117.60): VN063741.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063741.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063741.D (-2983) (-)

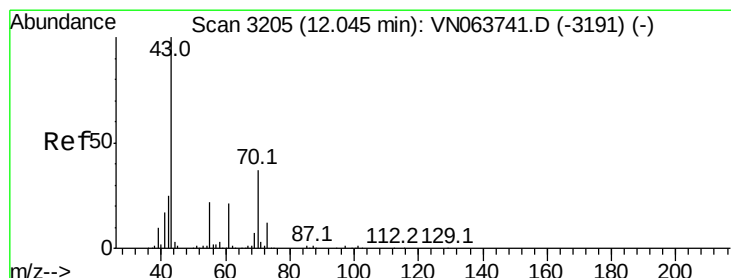
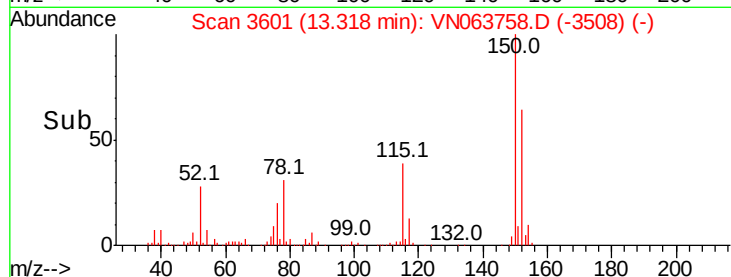
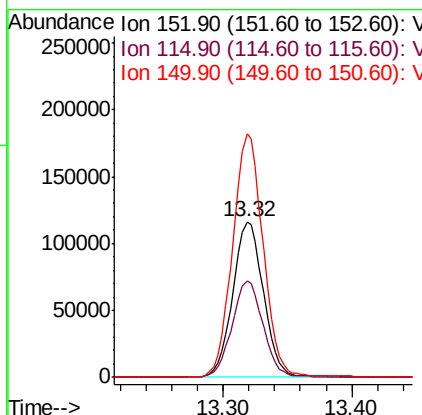
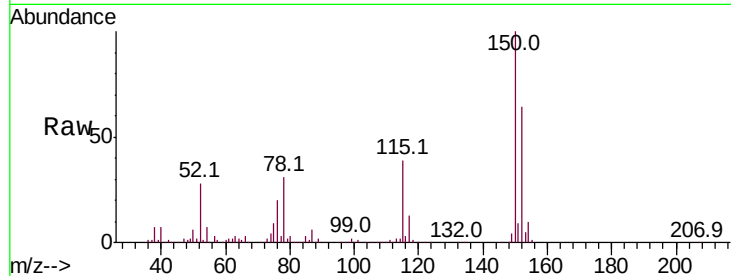




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VN063758.D
 Acq: 30 Sep 2020 18:43

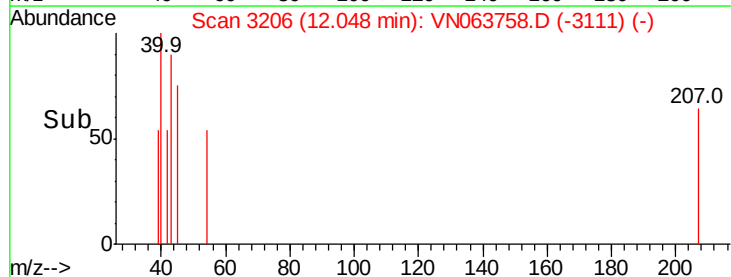
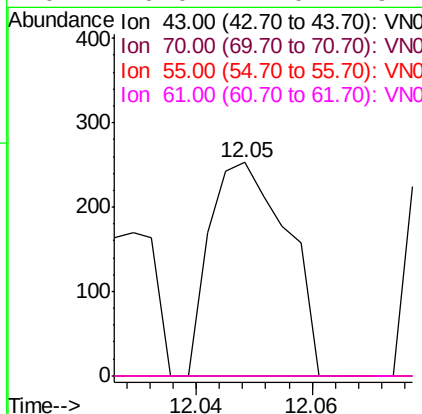
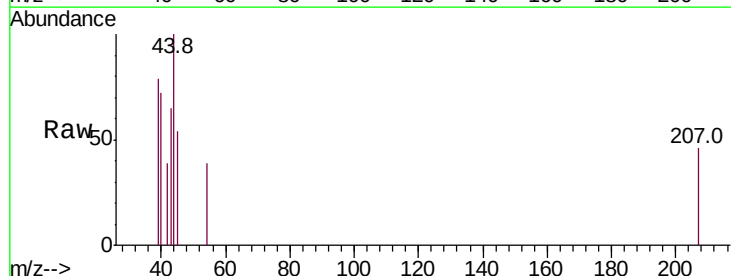
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-C-2334-GW

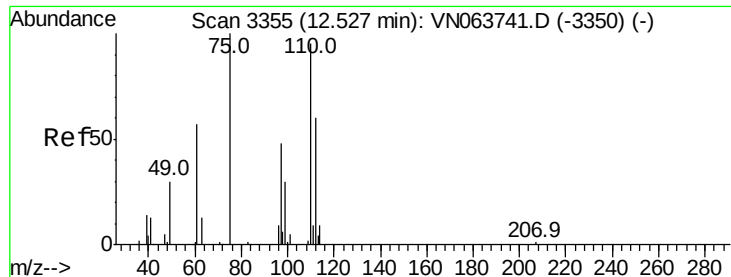
Tot Ion:152 Resp: 192708
 Ion Ratio Lower Upper
 152 100
 115 62.9 31.3 93.8
 150 154.5 0.0 341.8



#74
 N-ethyl acetate
 Concen: 2.250 ug/l
 RT: 12.05 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VN063758.D
 Acq: 30 Sep 2020 18:43

Tgt Ion: 43 Resp: 234
 Ion Ratio Lower Upper
 43 100
 70 0.0 29.8 44.8#
 55 0.0 17.9 26.9#
 61 0.0 17.0 25.4#





#76

1,2,3-Trichloropropane

Concen: 29.038 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063758.D

Acq: 30 Sep 2020 18:43

Instrument :

MSVOA_N

ClientSampleId :

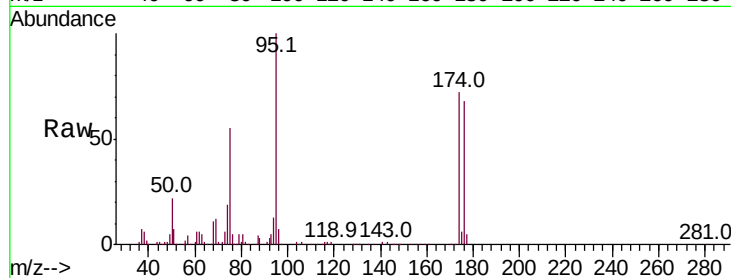
TP-C-2334-GW

Tot Ion: 75 Resp: 123354

Ion Ratio Lower Upper

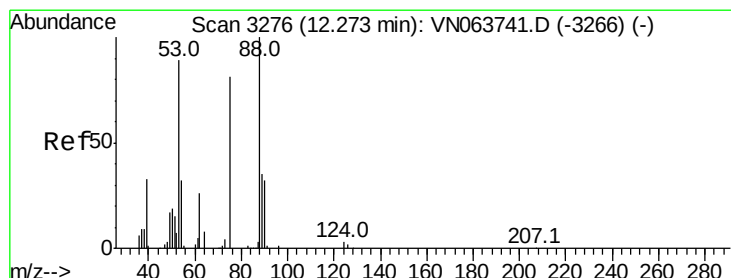
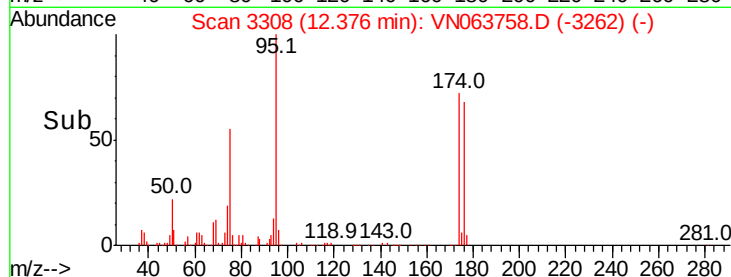
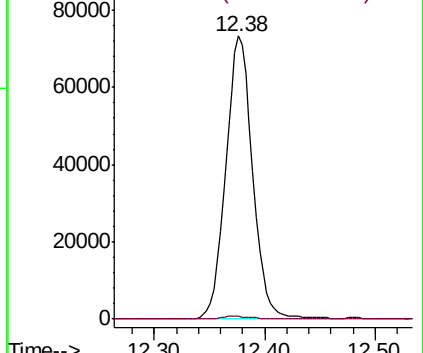
75 100

77 1.1 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: 83.633 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063758.D

Acq: 30 Sep 2020 18:43

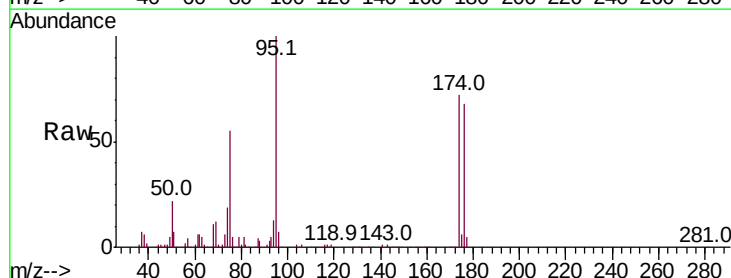
Tgt Ion: 75 Resp: 123354

Ion Ratio Lower Upper

75 100

53 0.0 88.2 132.2#

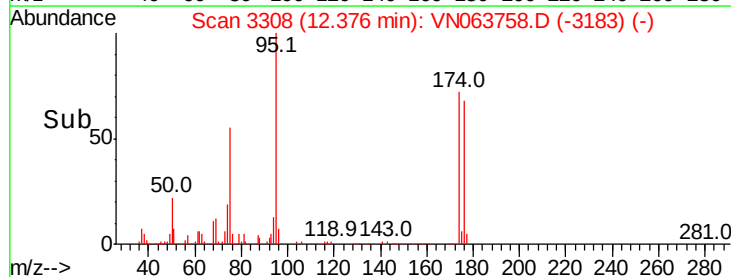
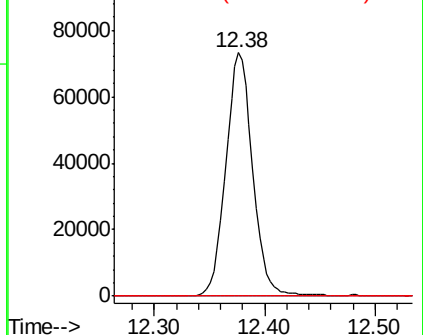
89 0.0 36.0 54.0#

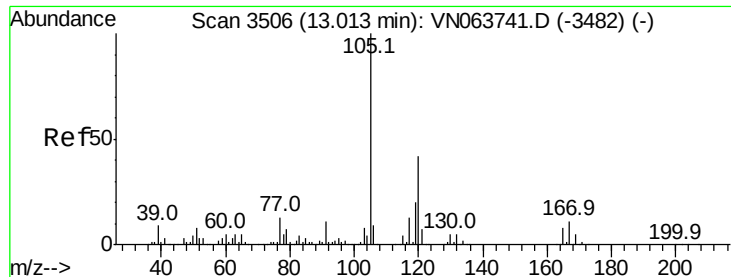


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

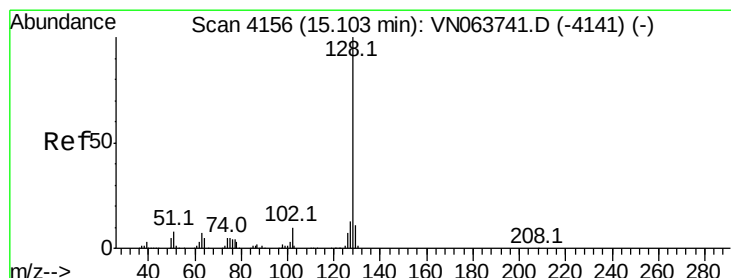
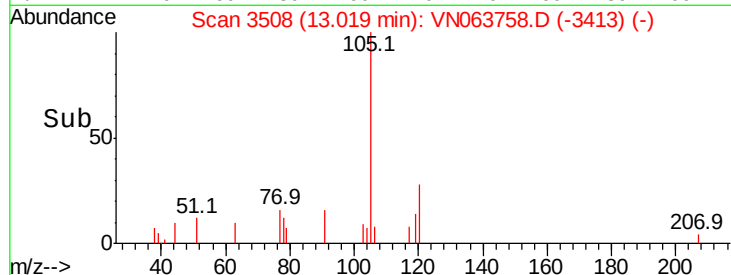
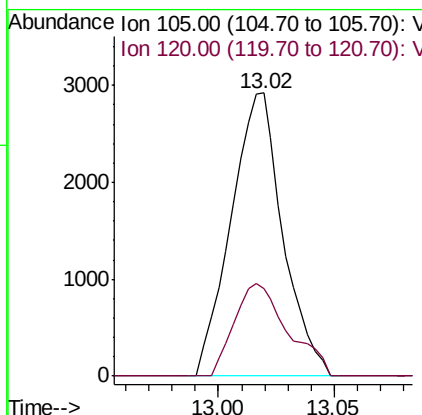
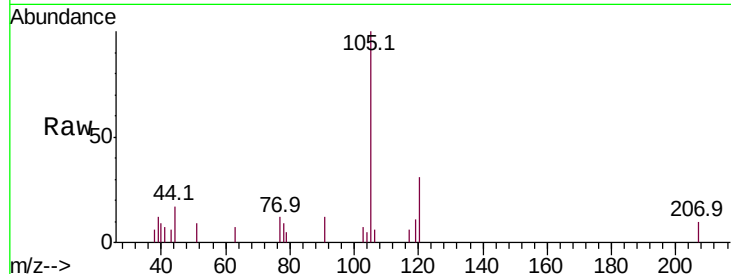




#84
 1,2,4-Trimethylbenzene
 Concen: 0.385 ug/l
 RT: 13.02 min Scan# 3508
 Delta R.T. 0.01 min
 Lab File: VN063758.D
 Acq: 30 Sep 2020 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-C-2334-GW

Tot Ion:105 Resp: 4531
 Ion Ratio Lower Upper
 105 100
 120 33.8 20.9 62.7



#95
 Naphthalene
 Concen: 2.207 ug/l
 RT: 15.11 min Scan# 4158
 Delta R.T. 0.01 min
 Lab File: VN063758.D
 Acq: 30 Sep 2020 18:43

Tgt Ion:128 Resp: 3053
 Ion Ratio Lower Upper
 128 100
 127 2.0 10.5 15.7#
 129 0.0 8.7 13.1#

