

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063917.D
 Acq On : 7 Oct 2020 1:53
 Operator : JC/MD
 Sample : L3872-17
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BU-03-093020

Quant Time: Oct 07 05:40:30 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	234461	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	420171	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	432358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	177634	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	201436	52.00	ug/l	0.00
Spiked Amount			Recovery	=	104.00%	
35) Dibromofluoromethane	7.55	113	148411	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
50) Toluene-d8	10.06	98	537825	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	
62) 4-Bromofluorobenzene	12.38	95	209066	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	

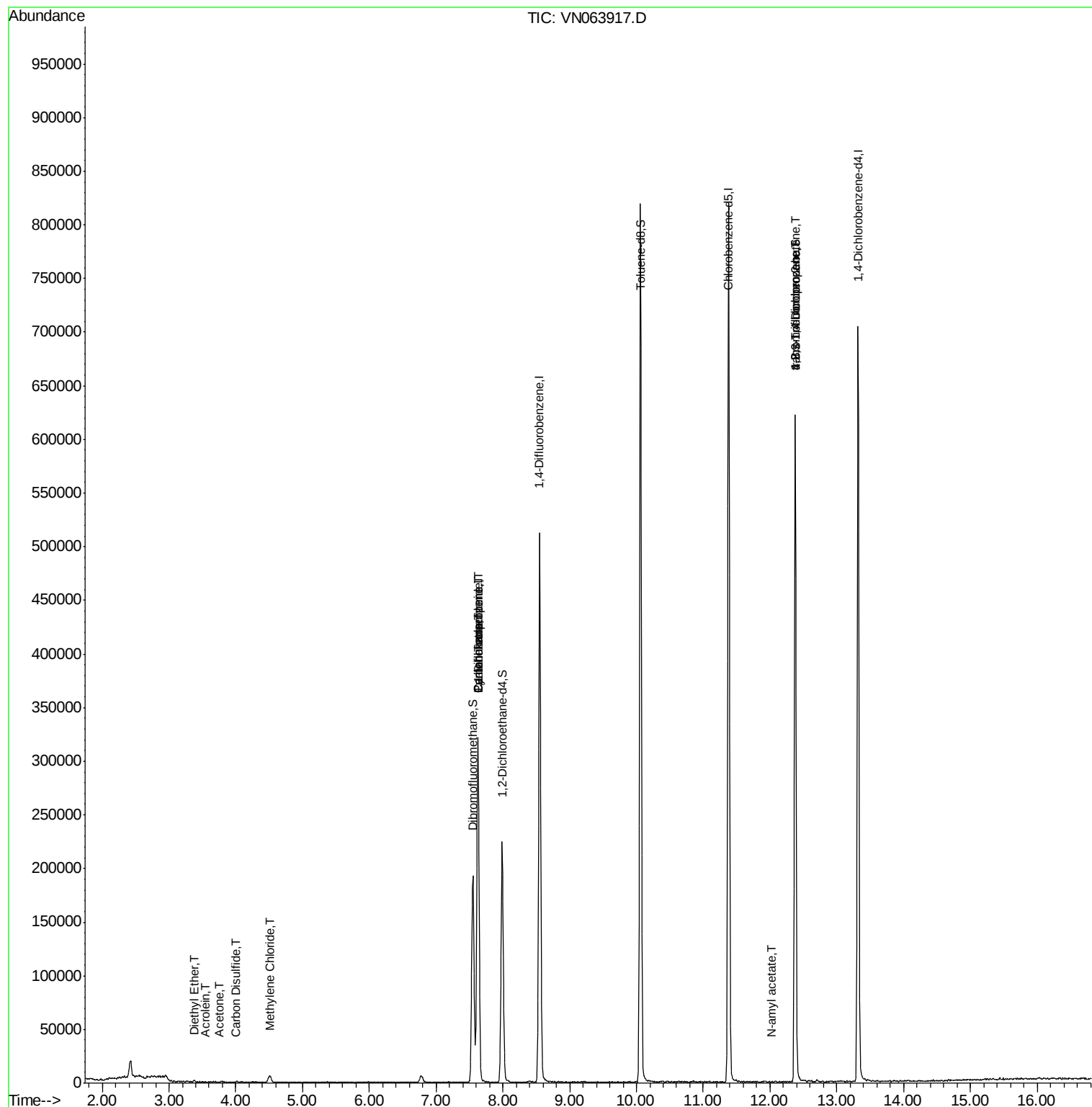
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.38	74	316	0.202	ug/l	91
13) Acrolein	3.55	56	59	0.225	ug/l #	14
16) Acetone	3.76	43	309	0.259	ug/l #	47
17) Carbon Disulfide	4.01	76	493	0.777	ug/l #	76
20) Methylene Chloride	4.50	84	2375	0.966	ug/l #	95
31) Cyclohexane	7.62	56	6279	1.396	ug/l #	22
36) 1,1-Dichloropropene	7.62	75	20751	4.875	ug/l #	47
38) Carbon Tetrachloride	7.63	117	25781	5.401	ug/l #	15
74) N-amyl acetate	12.04	43	306	2.264	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	119634	30.552	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	119634	87.994	ug/l #	6

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

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QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063917.D

Acq: 7 Oct 2020 1:53

Instrument :

MSVOA_N

ClientSampleId :

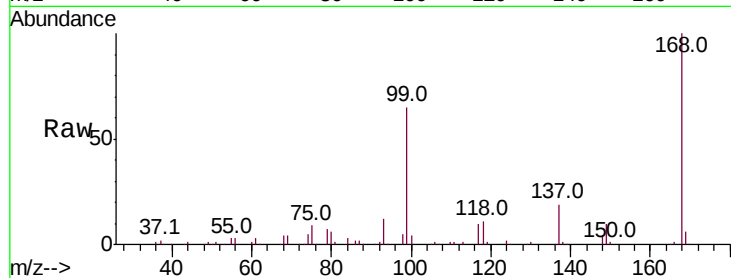
BU-03-093020

Tot Ion:168 Resp: 234461

Ion Ratio Lower Upper

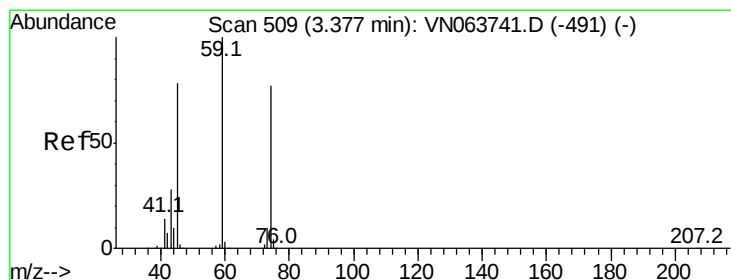
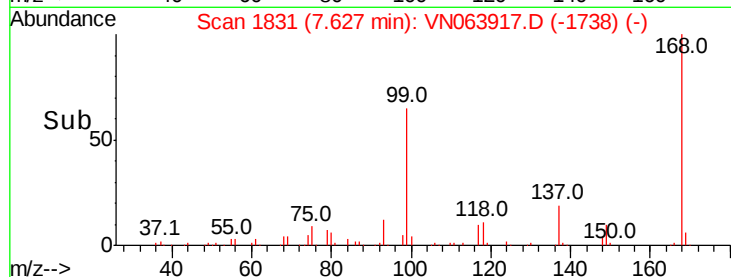
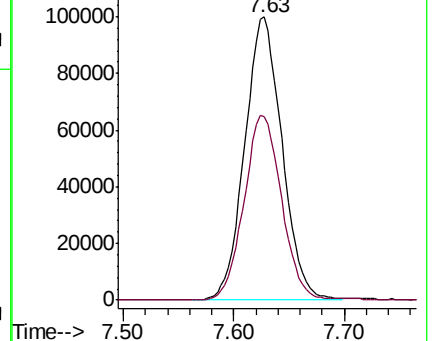
168 100

99 65.0 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#8

Diethyl Ether

Concen: 0.202 ug/l

RT: 3.38 min Scan# 509

Delta R.T. 0.00 min

Lab File: VN063917.D

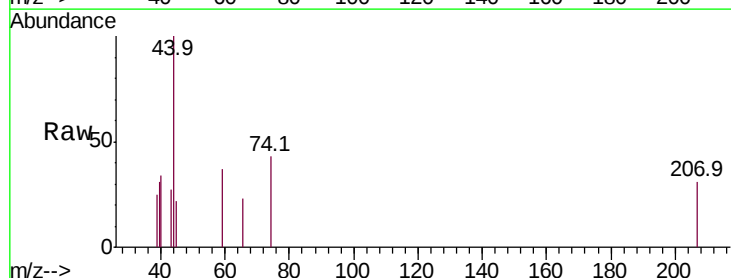
Acq: 7 Oct 2020 1:53

Tgt Ion: 74 Resp: 316

Ion Ratio Lower Upper

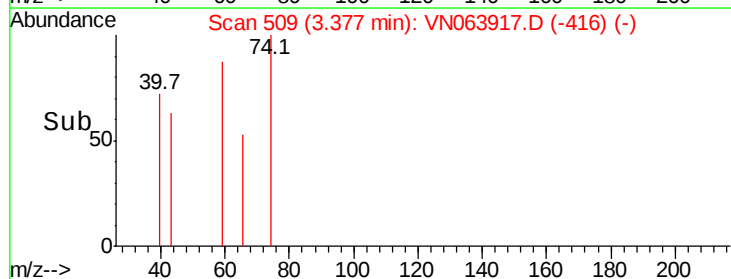
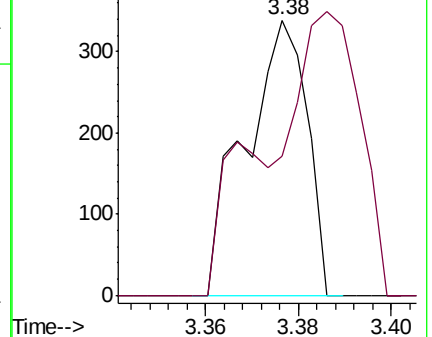
74 100

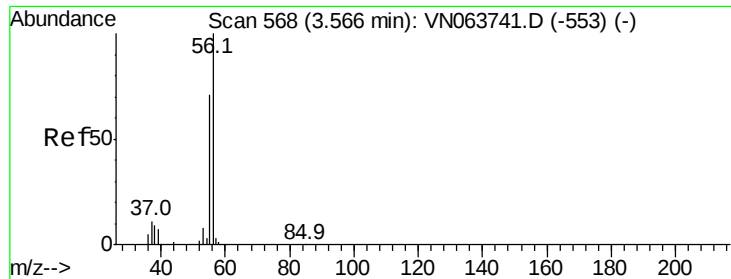
45 111.4 50.9 152.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#13

Acrolein

Concen: 0.225 ug/l

RT: 3.55 min Scan# 563

Delta R.T. -0.02 min

Lab File: VN063917.D

Acq: 7 Oct 2020 1:53

Instrument :

MSVOA_N

ClientSampleId :

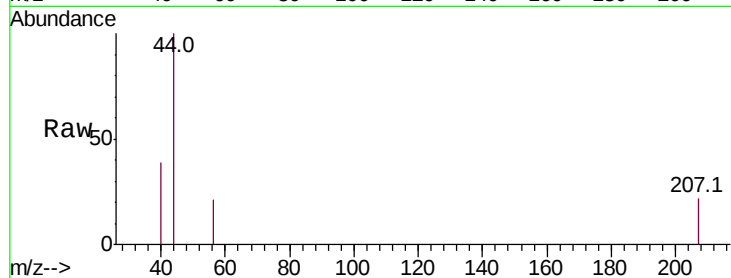
BU-03-093020

Tot Ion: 56 Resp: 59

Ion Ratio Lower Upper

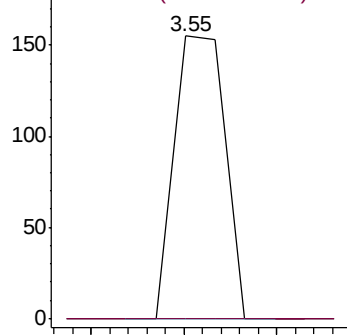
56 100

55 0.0 56.9 85.3#

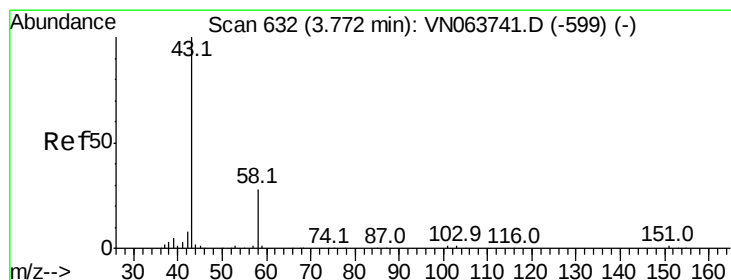
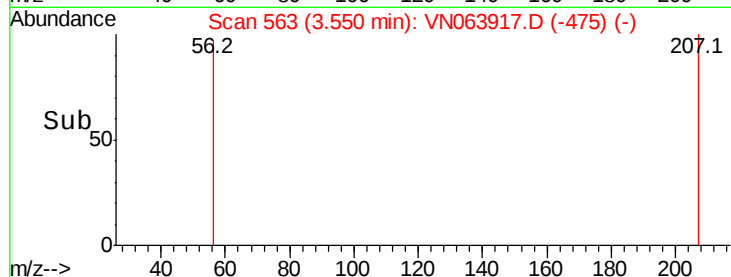


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#16

Acetone

Concen: 0.259 ug/l

RT: 3.76 min Scan# 628

Delta R.T. -0.01 min

Lab File: VN063917.D

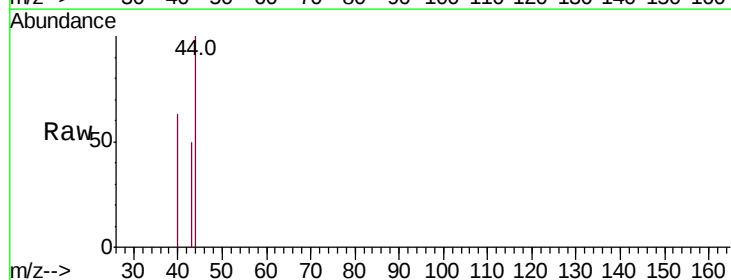
Acq: 7 Oct 2020 1:53

Tgt Ion: 43 Resp: 309

Ion Ratio Lower Upper

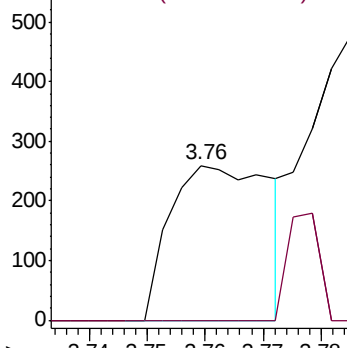
43 100

58 0.0 22.3 33.5#

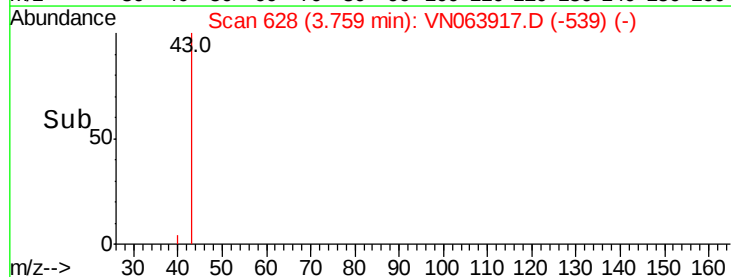


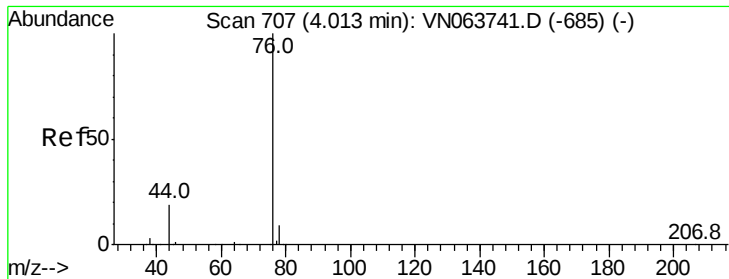
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->





#17

Carbon Disulfide

Concen: 0.777 ug/l

RT: 4.01 min Scan# 705

Delta R.T. -0.01 min

Lab File: VN063917.D

Acq: 7 Oct 2020 1:53

Instrument :

MSVOA_N

ClientSampleId :

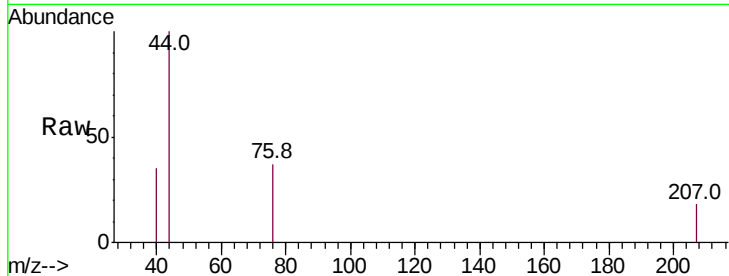
BU-03-093020

Tot Ion: 76 Resp: 493

Ion Ratio Lower Upper

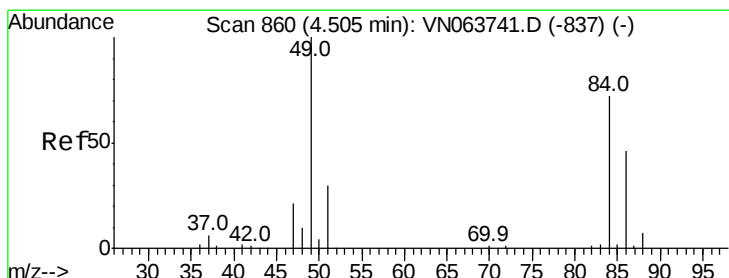
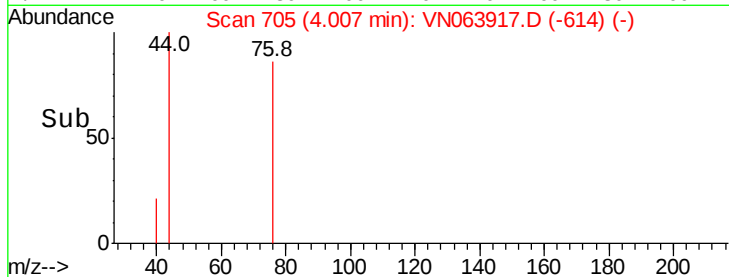
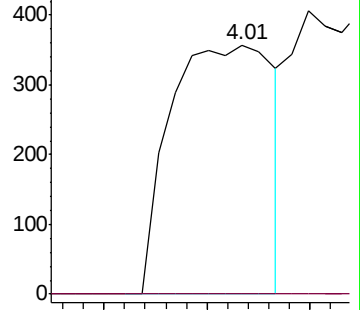
76 100

78 0.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#20

Methylene Chloride

Concen: 0.966 ug/l

RT: 4.50 min Scan# 858

Delta R.T. -0.01 min

Lab File: VN063917.D

Acq: 7 Oct 2020 1:53

Tgt Ion: 84 Resp: 2375

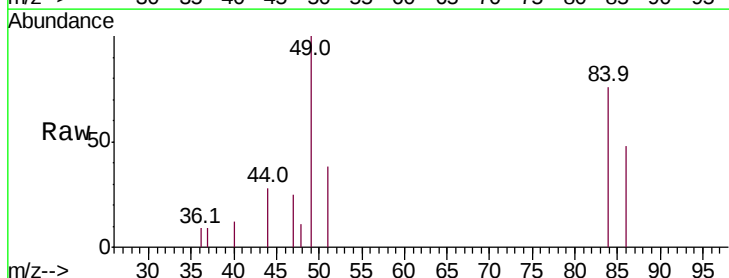
Ion Ratio Lower Upper

84 100

49 131.7 110.4 165.6

51 50.4 33.3 49.9#

86 63.4 50.7 76.1

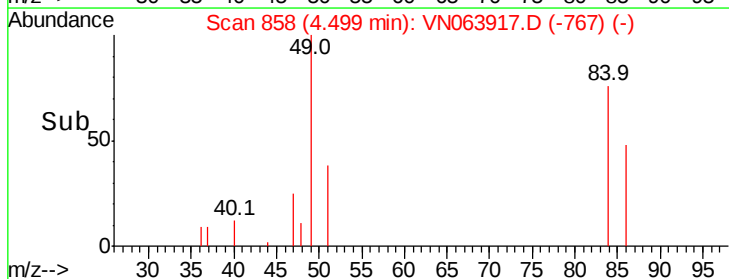
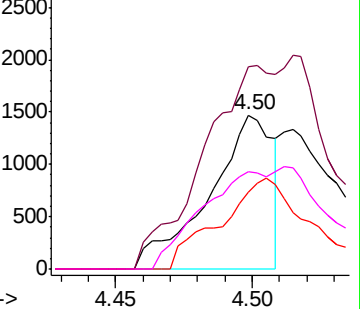


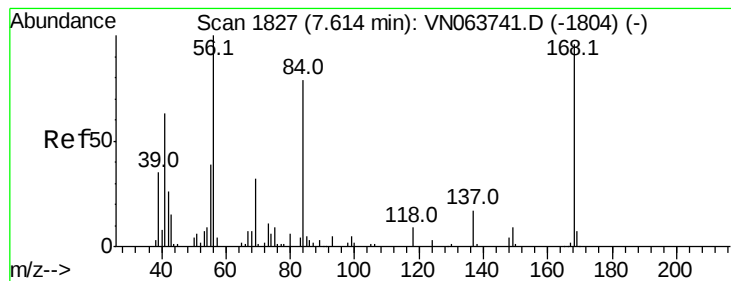
Abundance Ion 83.90 (83.60 to 84.60): VN0

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





#31

Cyclohexane

Concen: 1.396 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN063917.D

Acq: 7 Oct 2020 1:53

Instrument :

MSVOA_N

ClientSampleId :

BU-03-093020

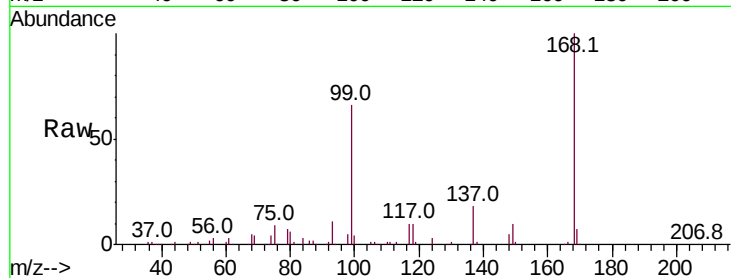
Tot Ion: 56 Resp: 6279

Ion Ratio Lower Upper

56 100

69 160.5 25.4 38.2#

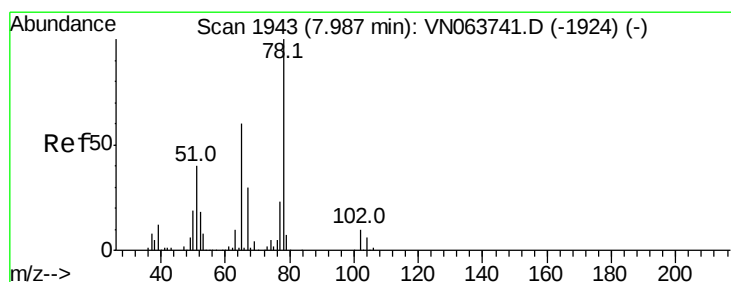
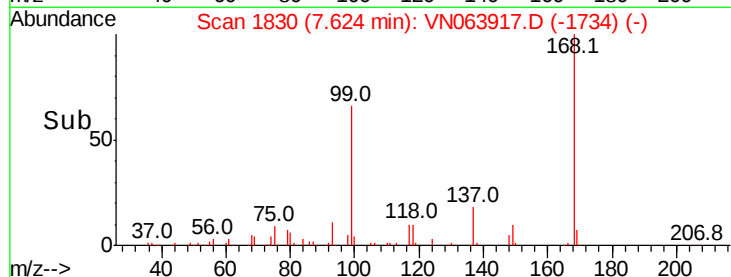
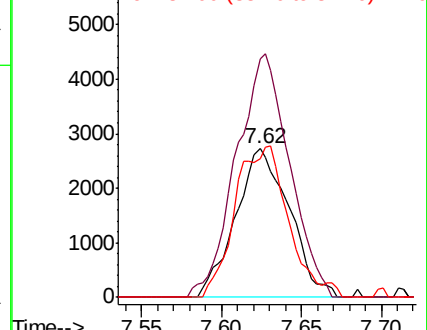
84 93.7 63.3 94.9



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: 52.004 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN063917.D

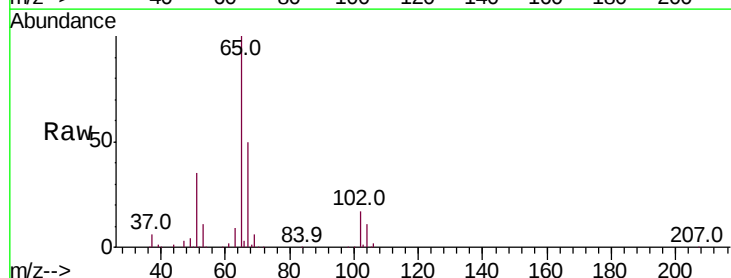
Acq: 7 Oct 2020 1:53

Tgt Ion: 65 Resp: 201436

Ion Ratio Lower Upper

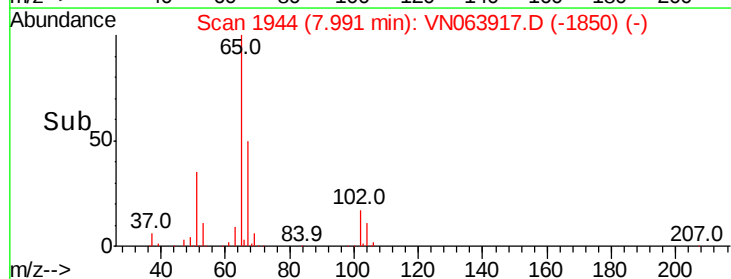
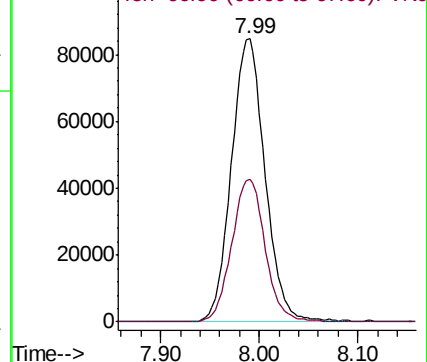
65 100

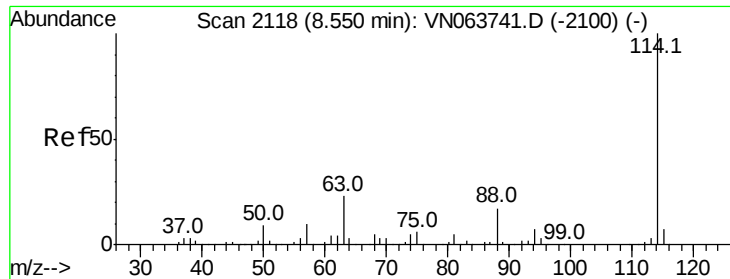
67 50.1 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

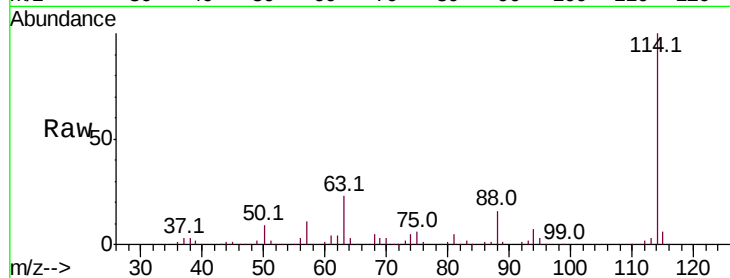




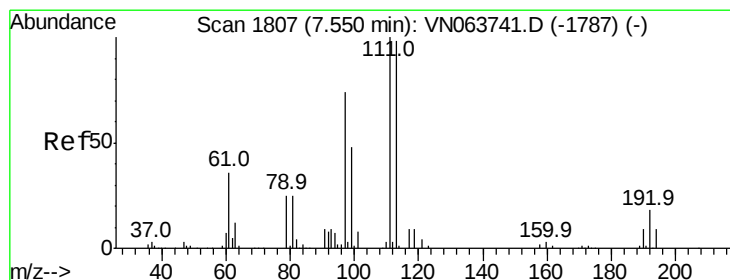
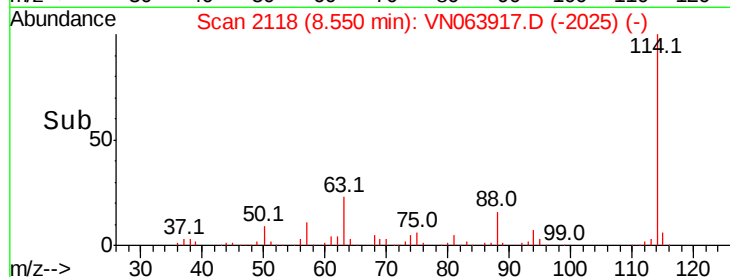
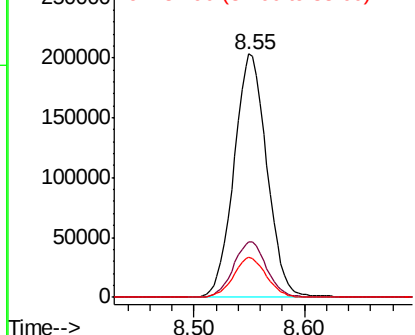
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063917.D
 Acq: 7 Oct 2020 1:53

Instrument :
 MSVOA_N
 ClientSampleId :
 BU-03-093020

Tot Ion:114 Resp: 420171
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.0
 88 16.4 0.0 34.0

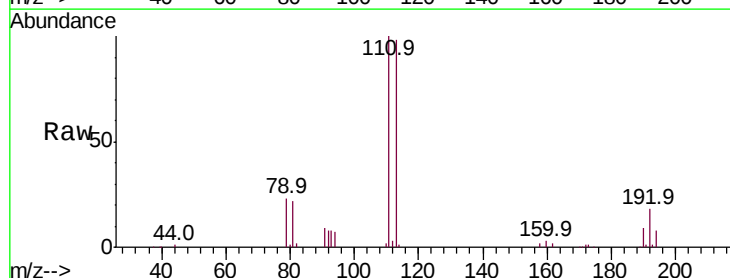


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

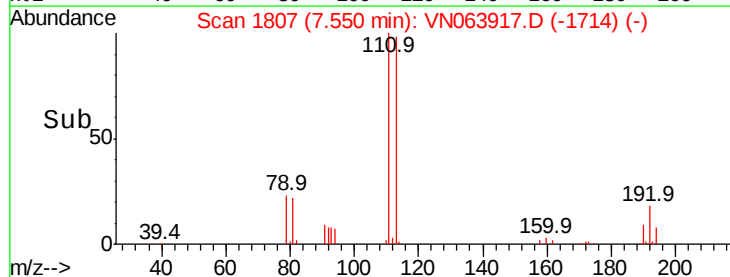
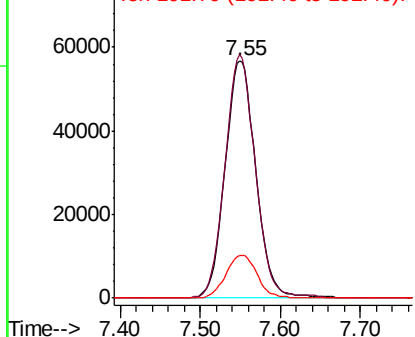


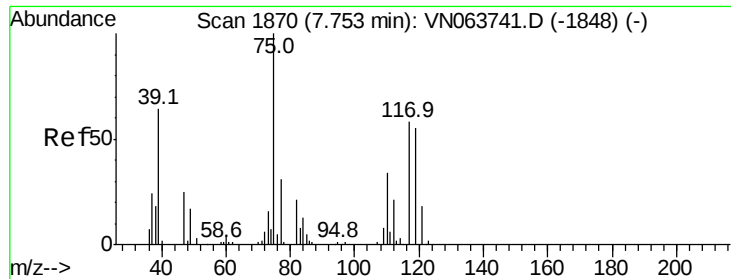
#35
 Dibromofluoromethane
 Concen: 50.905 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063917.D
 Acq: 7 Oct 2020 1:53

Tgt Ion:113 Resp: 148411
 Ion Ratio Lower Upper
 113 100
 111 100.4 81.8 122.8
 192 18.2 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: 4.875 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063917.D

Acq: 7 Oct 2020 1:53

Instrument :

MSVOA_N

ClientSampleId :

BU-03-093020

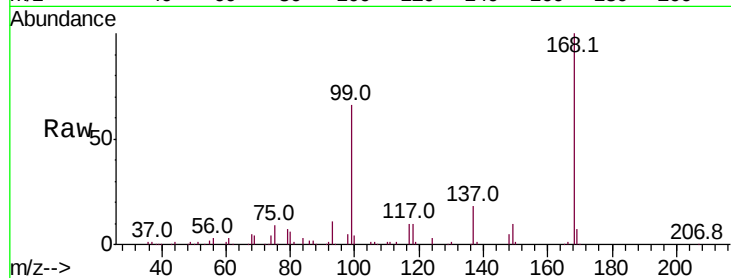
Tot Ion: 75 Resp: 20751

Ion Ratio Lower Upper

75 100

110 4.5 16.9 50.6#

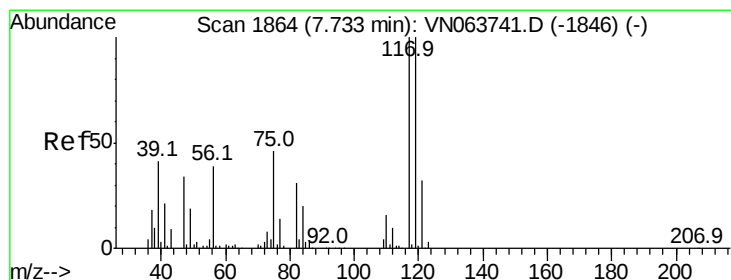
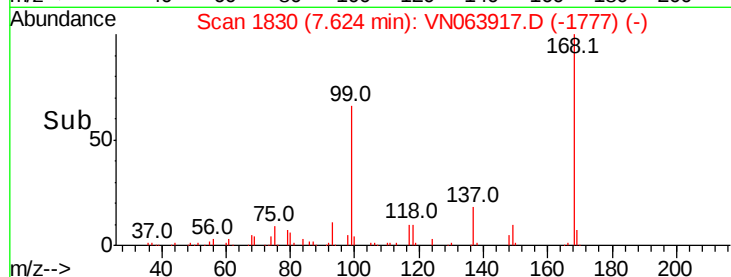
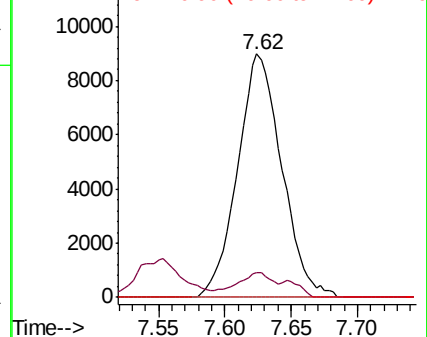
77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VN063917.D (-1777) (-)

Ion 109.90 (109.60 to 110.60): VN063917.D (-1777) (-)

Ion 76.90 (76.60 to 77.60): VN063917.D (-1777) (-)



#38

Carbon Tetrachloride

Concen: 5.401 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063917.D

Acq: 7 Oct 2020 1:53

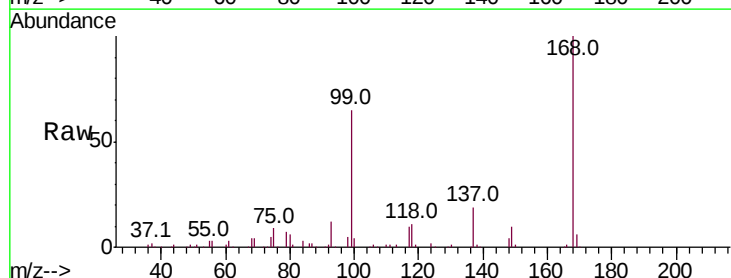
Tgt Ion: 117 Resp: 25781

Ion Ratio Lower Upper

117 100

119 6.7 80.1 120.1#

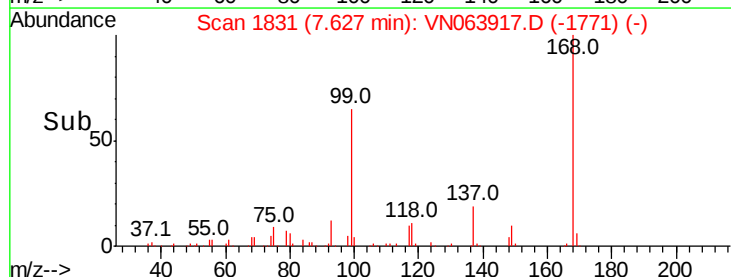
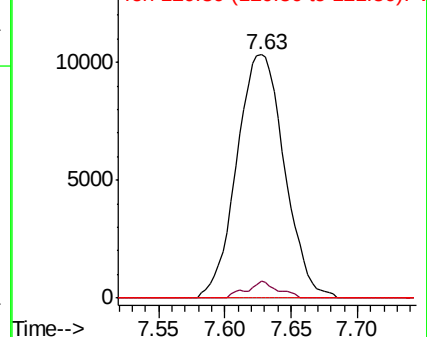
121 0.0 25.7 38.5#

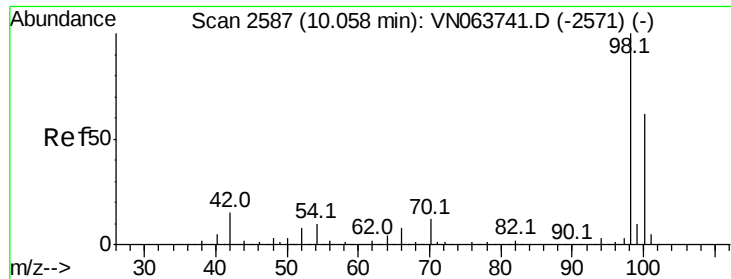


Abundance Ion 116.80 (116.50 to 117.50): VN063917.D (-1771) (-)

Ion 118.80 (118.50 to 119.50): VN063917.D (-1771) (-)

Ion 120.80 (120.50 to 121.50): VN063917.D (-1771) (-)





#50

Toluene-d8

Concen: 48.662 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN063917.D

Acq: 7 Oct 2020 1:53

Instrument :

MSVOA_N

ClientSampleId :

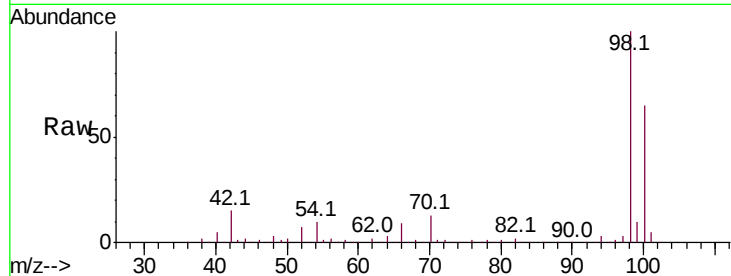
BU-03-093020

Tot Ion: 98 Resp: 537825

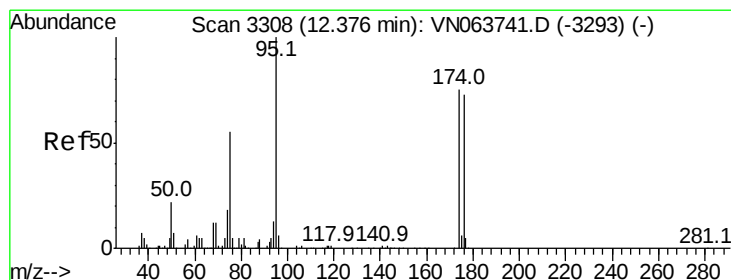
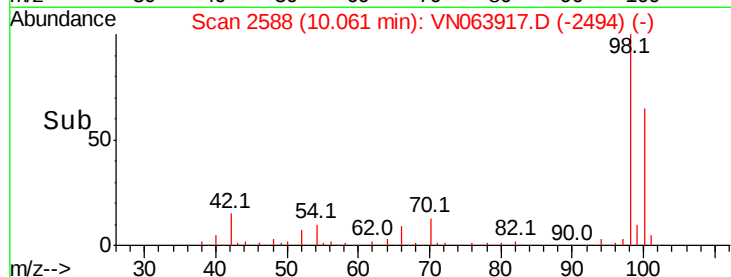
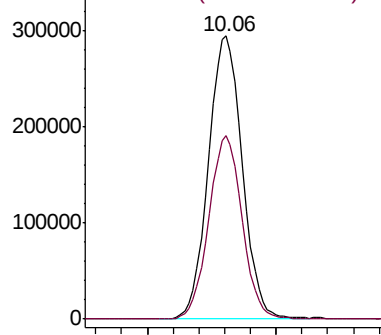
Ion Ratio Lower Upper

98 100

100 63.7 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN063917.D (-2571) (-)



#62

4-Bromofluorobenzene

Concen: 50.321 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063917.D

Acq: 7 Oct 2020 1:53

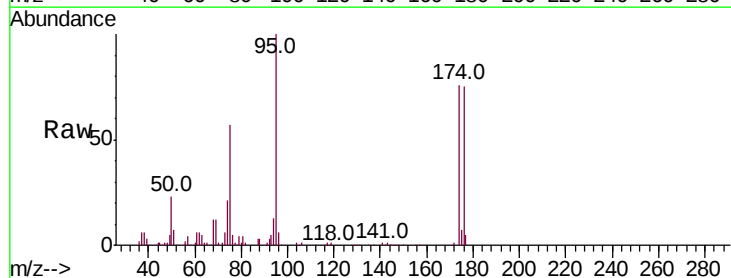
Tgt Ion: 95 Resp: 209066

Ion Ratio Lower Upper

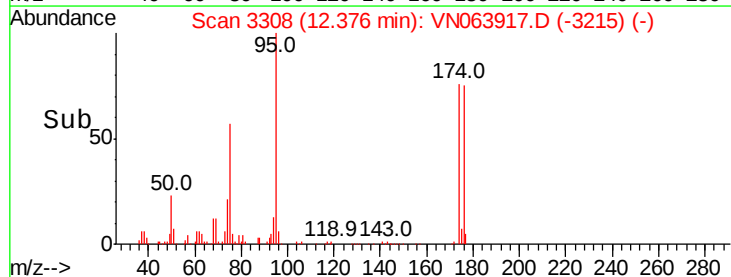
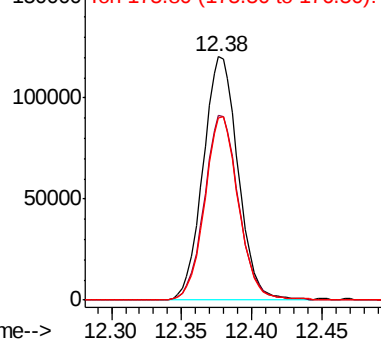
95 100

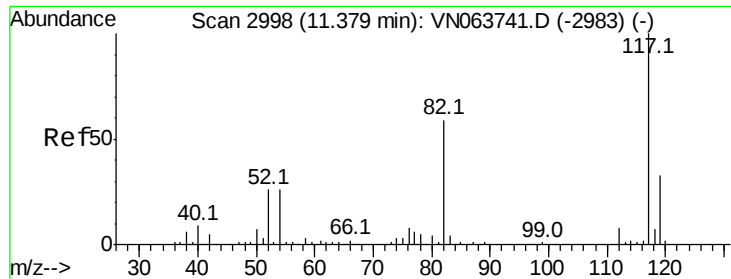
174 74.5 0.0 150.6

176 73.0 0.0 145.4



Abundance Ion 94.90 (94.60 to 95.60): VN063917.D (-3215) (-)

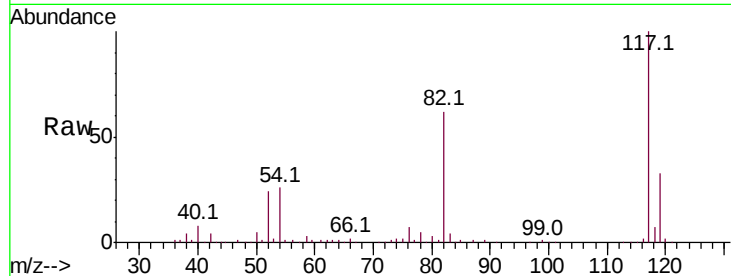




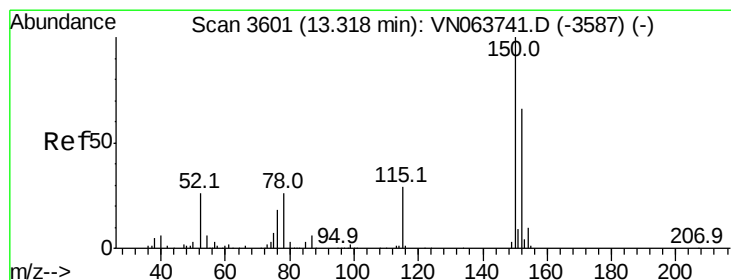
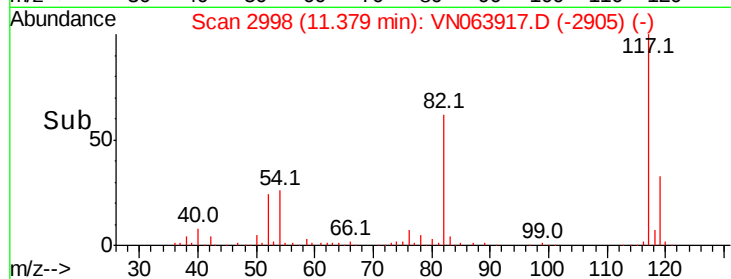
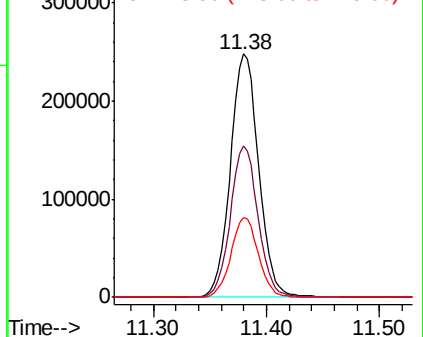
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063917.D
Acq: 7 Oct 2020 1:53

Instrument :
MSVOA_N
ClientSampleId :
BU-03-093020

Tot Ion:117 Resp: 432358
Ion Ratio Lower Upper
117 100
82 62.0 47.4 71.2
119 32.7 26.4 39.6

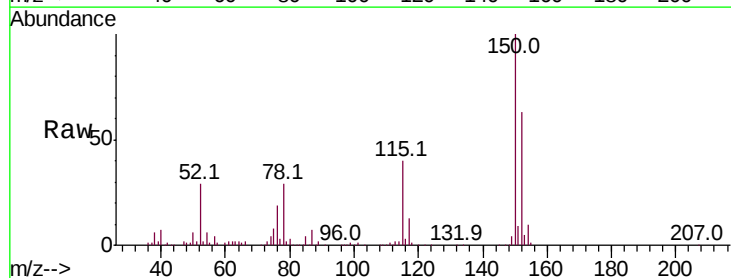


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

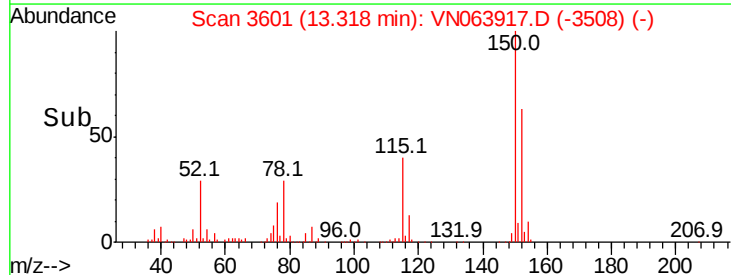
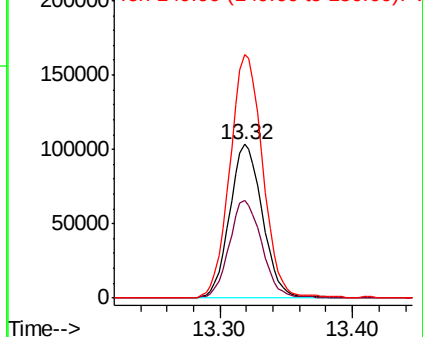


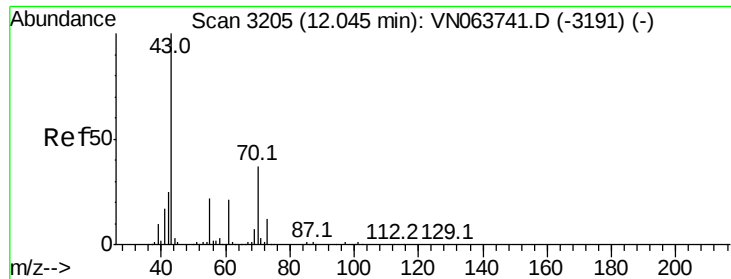
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063917.D
Acq: 7 Oct 2020 1:53

Tgt Ion:152 Resp: 177634
Ion Ratio Lower Upper
152 100
115 63.4 31.3 93.8
150 159.0 0.0 341.8



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





#74

N-amvl acetate

Concen: 2.264 ug/l

RT: 12.04 min Scan# 3202

Delta R.T. -0.01 min

Lab File: VN063917.D

Acq: 7 Oct 2020 1:53

Instrument :

MSVOA_N

ClientSampleId :

BU-03-093020

Tot Ion: 43 Resp: 306

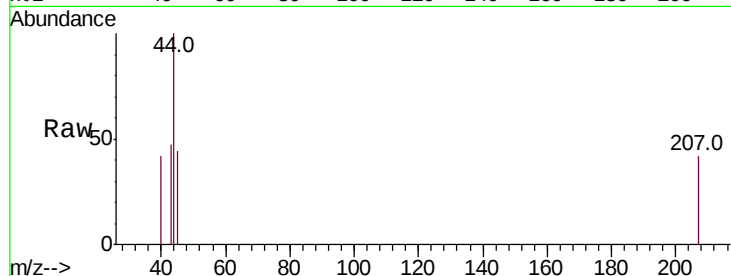
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#

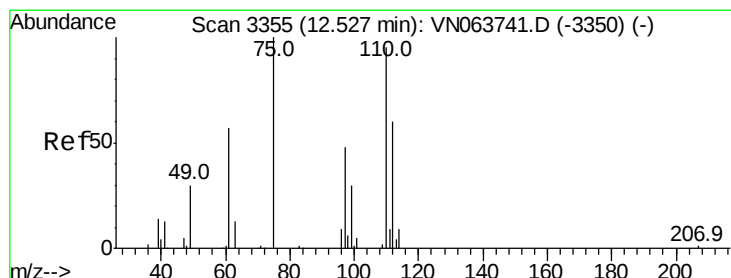
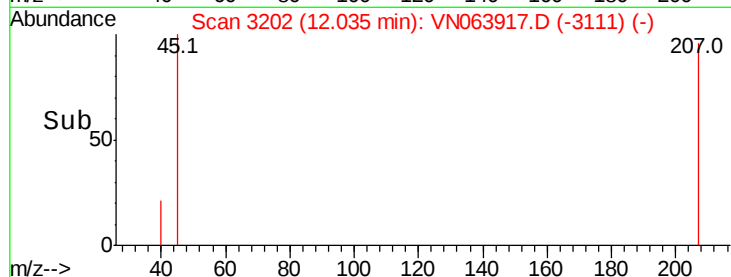
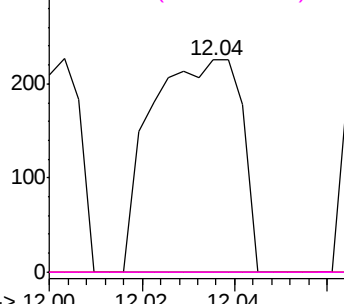


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 30.552 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063917.D

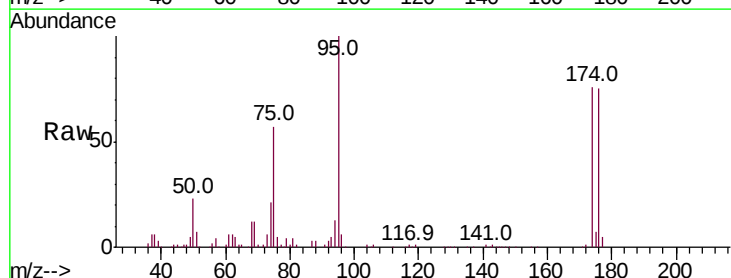
Acq: 7 Oct 2020 1:53

Tgt Ion: 75 Resp: 119634

Ion Ratio Lower Upper

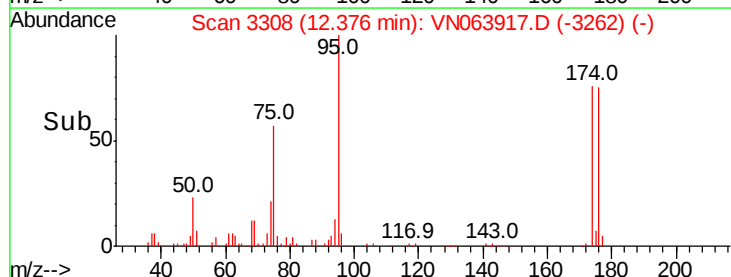
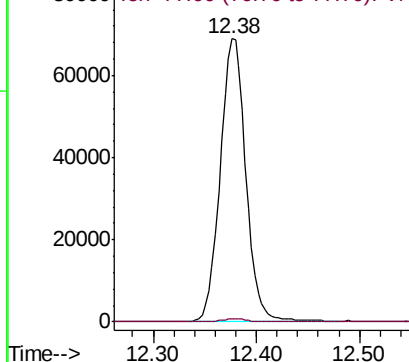
75 100

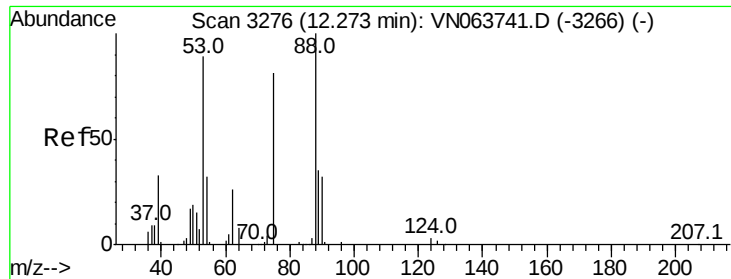
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#81

trans-1,4-Dichloro-2-butene

Concen: 87.994 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063917.D

Acq: 7 Oct 2020 1:53

Instrument :

MSVOA_N

ClientSampleId :

BU-03-093020

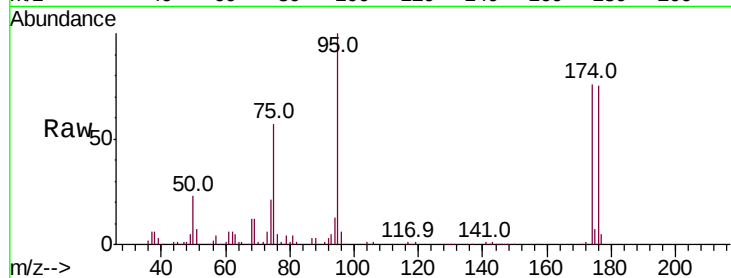
Tot Ion: 75 Resp: 119634

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

