

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091120\
 Data File : VN063312.D
 Acq On : 11 Sep 2020 14:18
 Operator : JC/MD
 Sample : L3988-19
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB05-20200910

Quant Time: Sep 12 00:40:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 11 06:02:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	375981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	701246	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	679801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	275157	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	292648	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
35) Dibromofluoromethane	7.55	113	222522	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
50) Toluene-d8	10.06	98	895675	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	
62) 4-Bromofluorobenzene	12.38	95	333728	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	

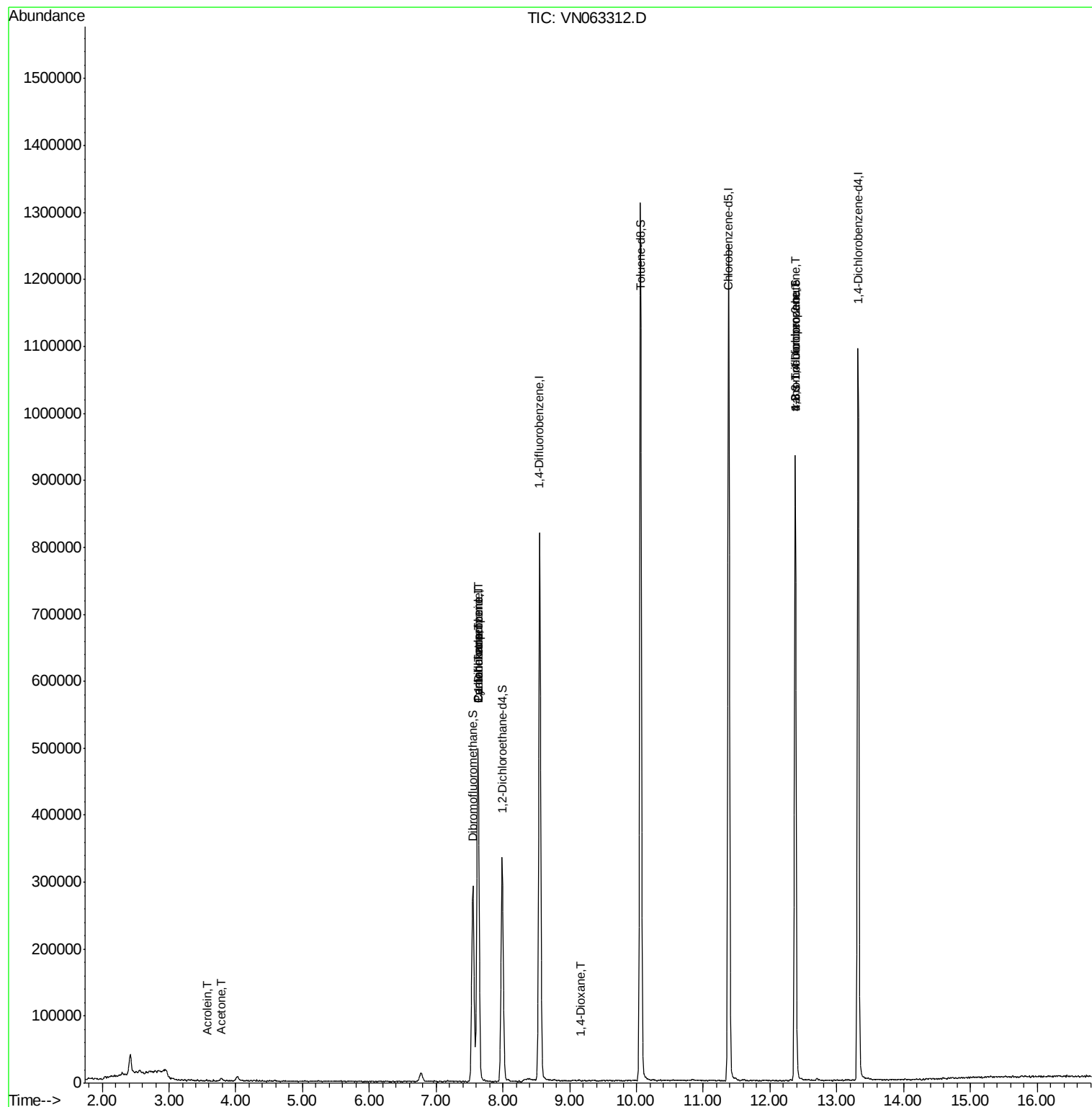
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1627	Below Cal	#	39
13) Acrolein	3.57	56	154	32.772	ug/l	91
16) Acetone	3.78	43	5811	2.849	ug/l #	87
17) Carbon Disulfide	4.01	76	927	Below Cal	#	75
20) Methylene Chloride	4.50	84	238	Below Cal	#	46
31) Cyclohexane	7.62	56	10418	1.257	ug/l #	21
36) 1,1-Dichloropropene	7.63	75	33125	4.596	ug/l #	51
38) Carbon Tetrachloride	7.63	117	40091	5.651	ug/l #	16
49) 1,4-Dioxane	9.16	88	164	1.849	ug/l #	69
76) 1,2,3-Trichloropropane	12.38	75	181457	29.892	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	181457	80.315	ug/l #	9
88) 1,4-Dichlorobenzene	13.35	146	29	Below Cal	#	1
95) Naphthalene	15.10	128	341	Below Cal	#	69

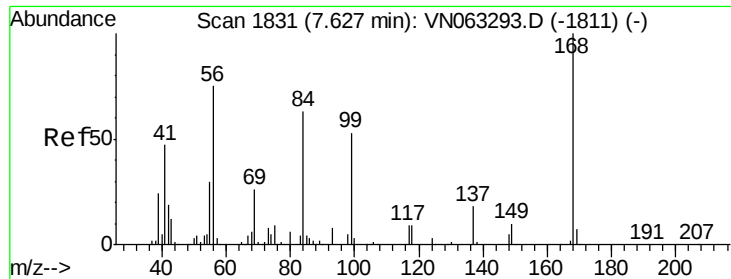
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063312.D

Acq: 11 Sep 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

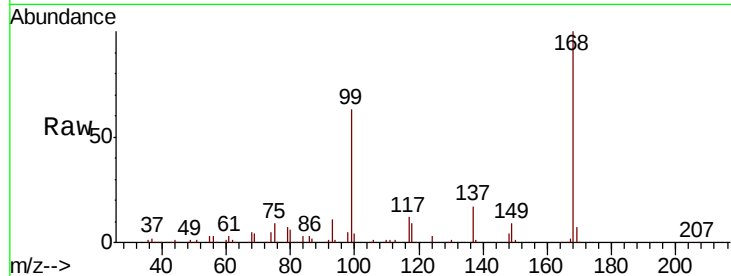
TB05-20200910

Tot Ion:168 Resp: 375981

Ion Ratio Lower Upper

168 100

99 62.5 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

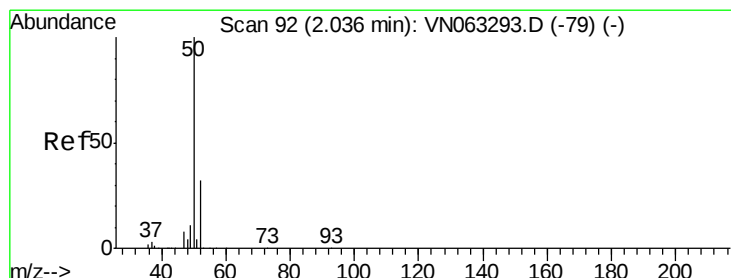
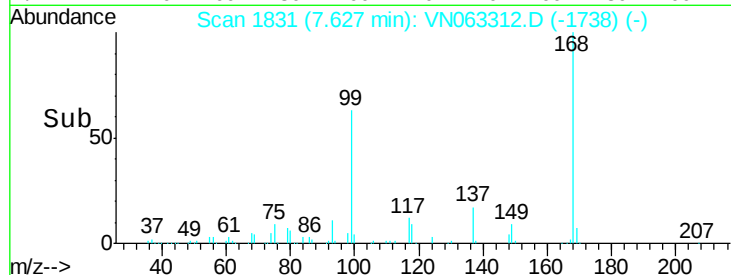
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063312.D

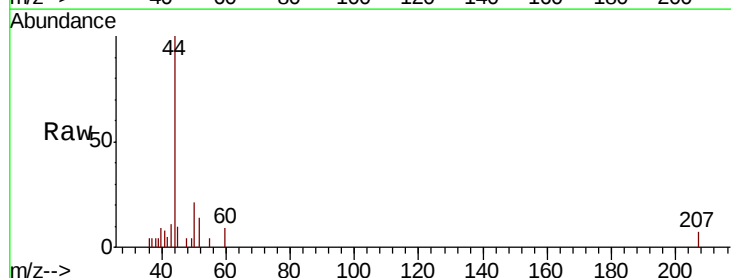
Acq: 11 Sep 2020 14:18

Tgt Ion: 50 Resp: 1627

Ion Ratio Lower Upper

50 100

52 65.8 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

1000

800

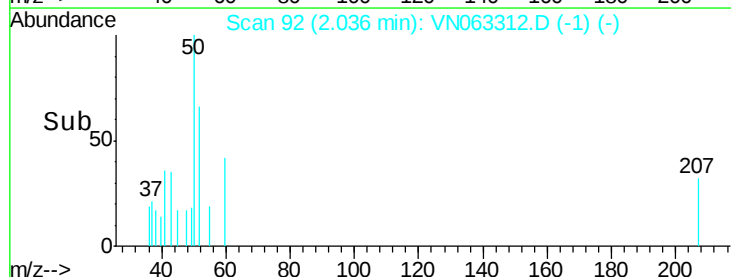
600

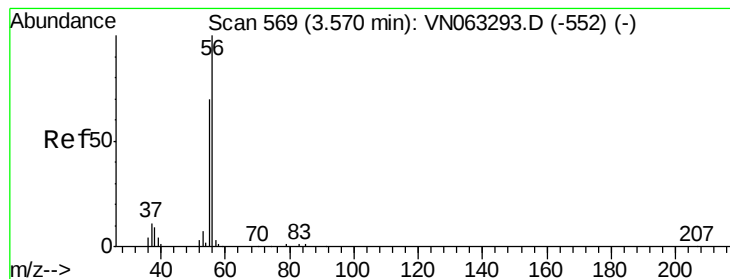
400

200

0

Time--> 2.00 2.05





#13

Acrolein

Concen: 32.772 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN063312.D

Acq: 11 Sep 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

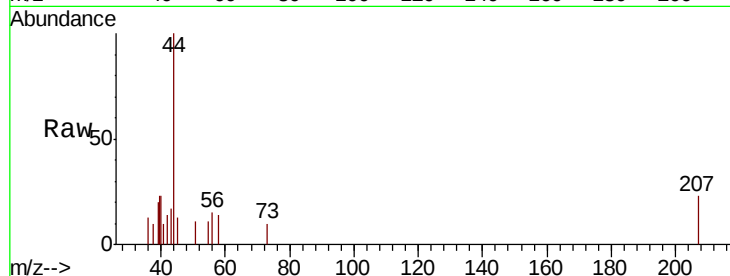
TB05-20200910

Tot Ion: 56 Resp: 154

Ion Ratio Lower Upper

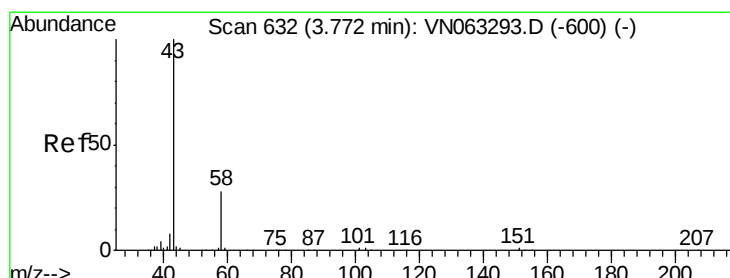
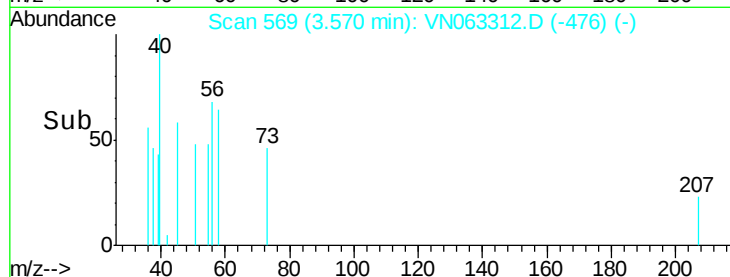
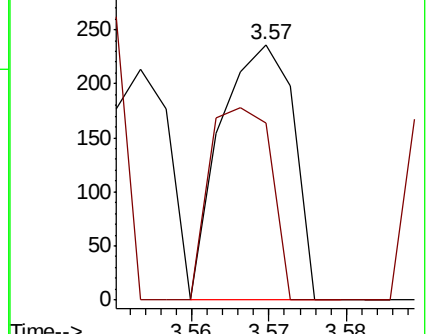
56 100

55 63.6 57.2 85.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 2.849 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063312.D

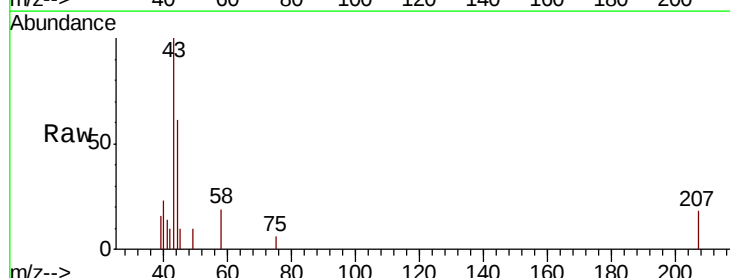
Acq: 11 Sep 2020 14:18

Tgt Ion: 43 Resp: 5811

Ion Ratio Lower Upper

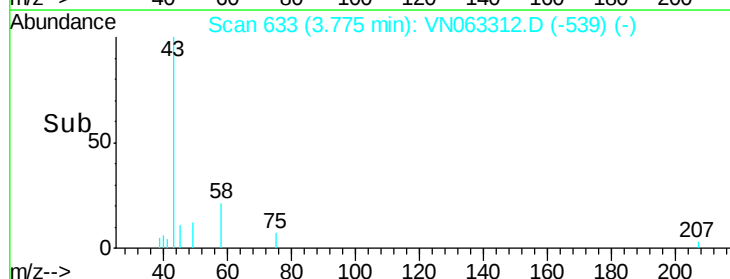
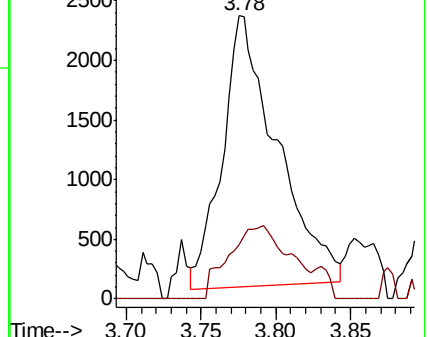
43 100

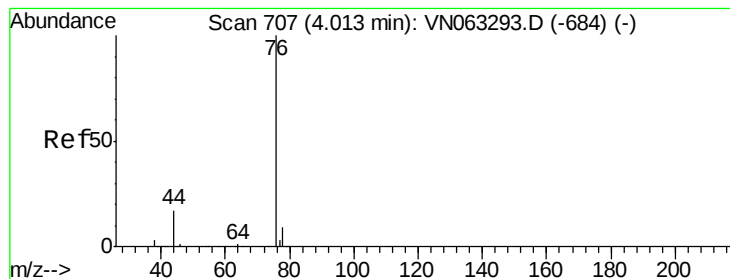
58 21.4 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN063312.D

Acq: 11 Sep 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

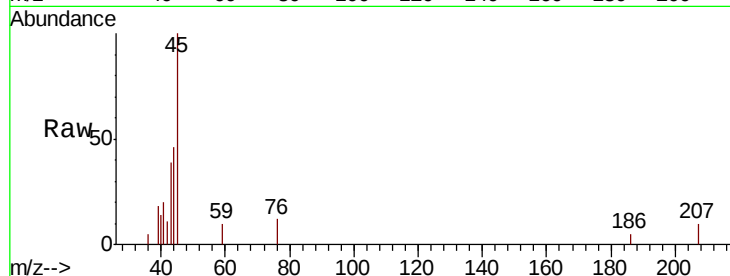
TB05-20200910

Tot Ion: 76 Resp: 927

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.01

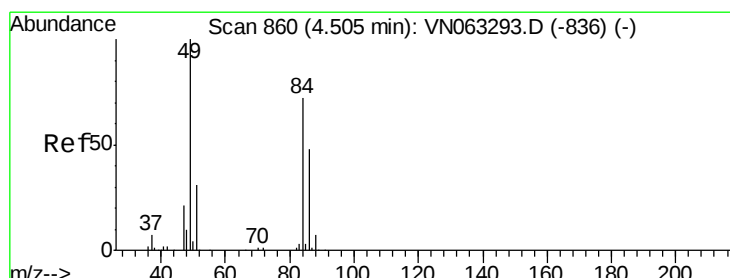
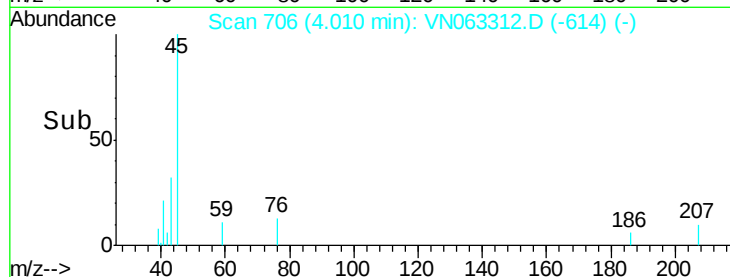
300

200

100

0

Time--> 3.95 4.00 4.05



#20

Methylene Chloride

Concen: Below Cal

RT: 4.50 min Scan# 858

Delta R.T. -0.01 min

Lab File: VN063312.D

Acq: 11 Sep 2020 14:18

Tgt Ion: 84 Resp: 238

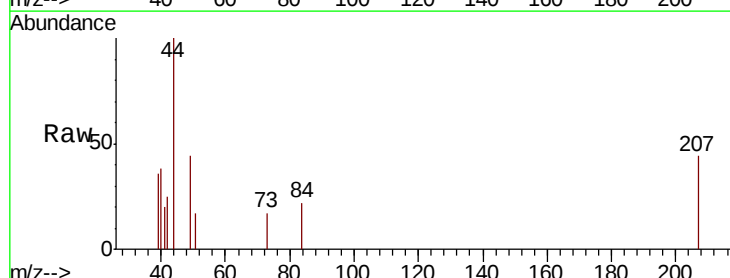
Ion Ratio Lower Upper

84 100

49 88.5 111.1 166.7#

51 74.2 34.3 51.5#

86 0.0 52.9 79.3#



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

600

500

400

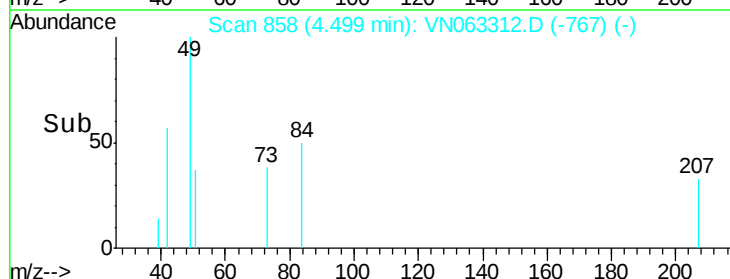
300

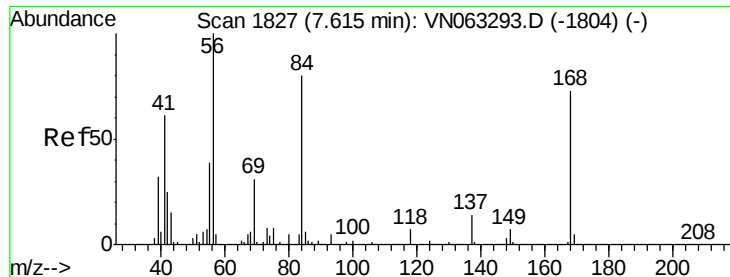
200

100

0

Time--> 4.48 4.50 4.52

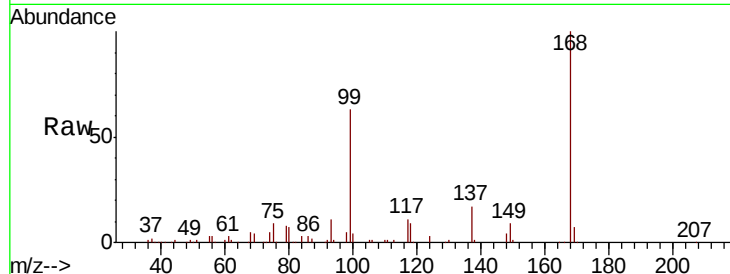




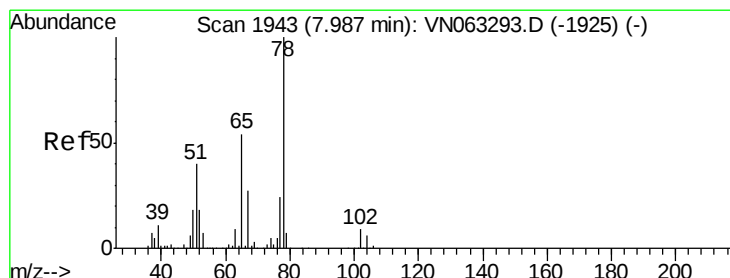
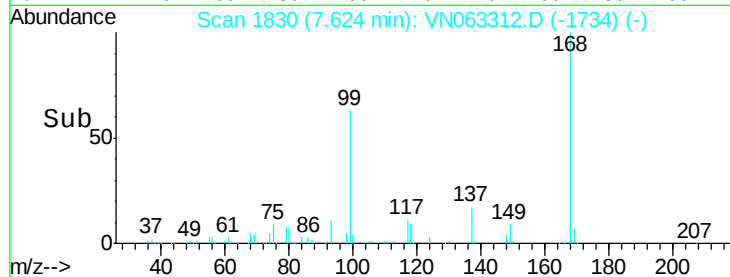
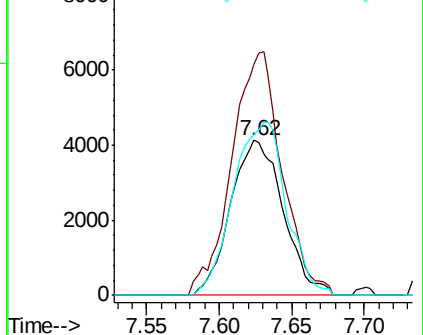
#31
Cyclohexane
Concen: 1.257 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN063312.D
Acq: 11 Sep 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
TB05-20200910

Tot Ion: 56 Resp: 10418
Ion Ratio Lower Upper
56 100
69 148.8 25.1 37.7#
84 103.7 64.2 96.2#

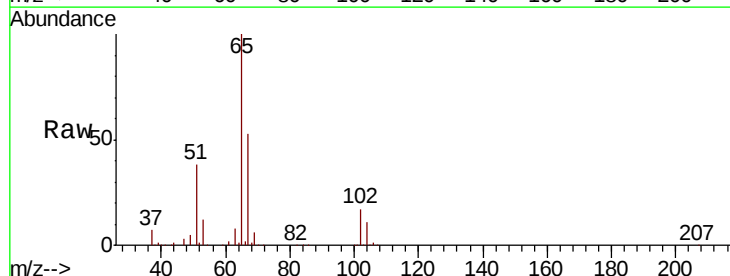


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

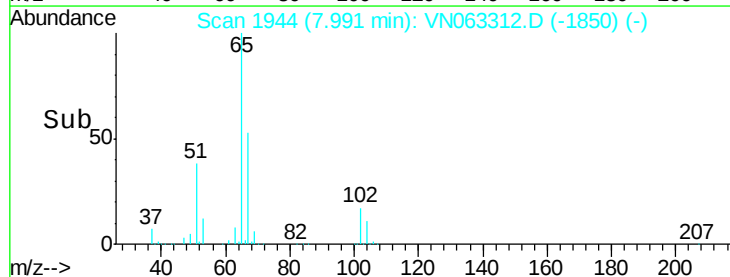
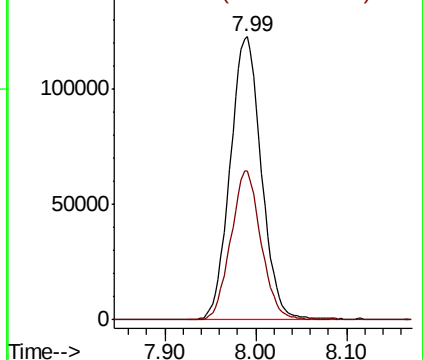


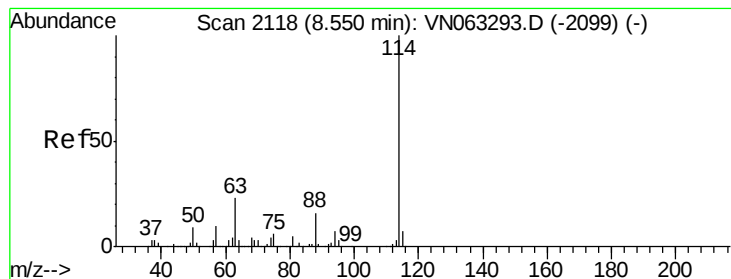
#33
1,2-Dichloroethane-d4
Concen: 49.541 ug/l
RT: 7.99 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN063312.D
Acq: 11 Sep 2020 14:18

Tgt Ion: 65 Resp: 292648
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.6



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# 2119

Delta R.T. 0.00 min

Lab File: VN063312.D

Acq: 11 Sep 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

TB05-20200910

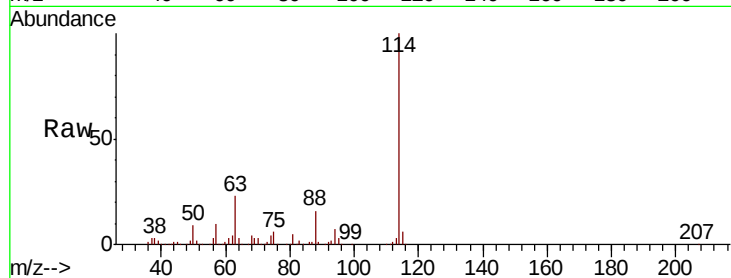
Tot Ion:114 Resp: 701246

Ion Ratio Lower Upper

114 100

63 22.7 0.0 46.0

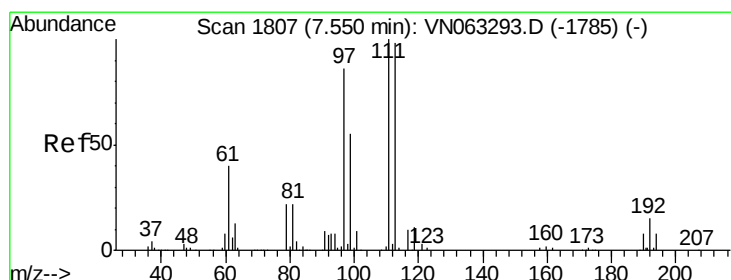
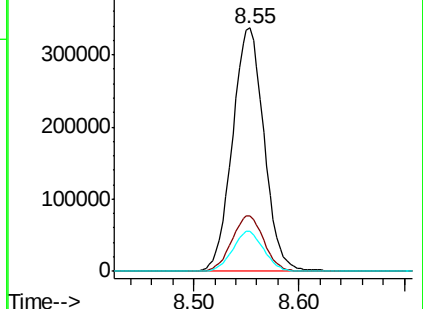
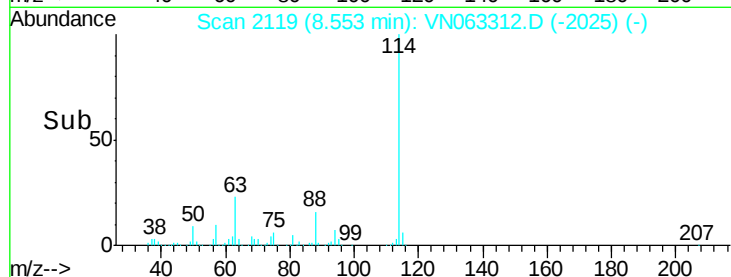
88 16.2 0.0 32.8



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: 49.188 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VN063312.D

Acq: 11 Sep 2020 14:18

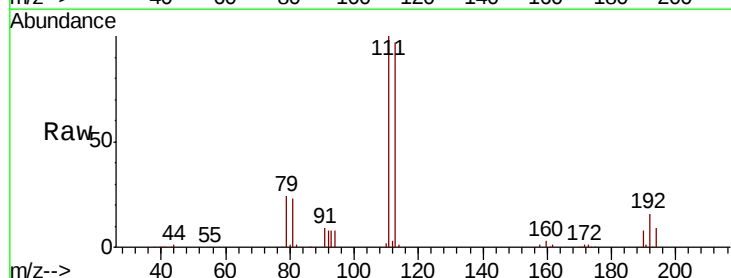
Tgt Ion:113 Resp: 222522

Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.2

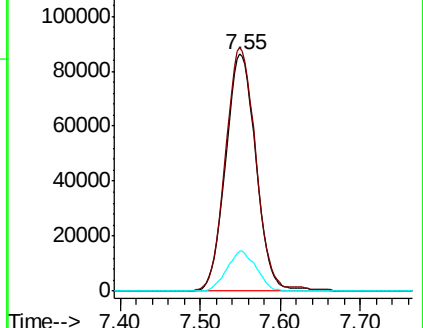
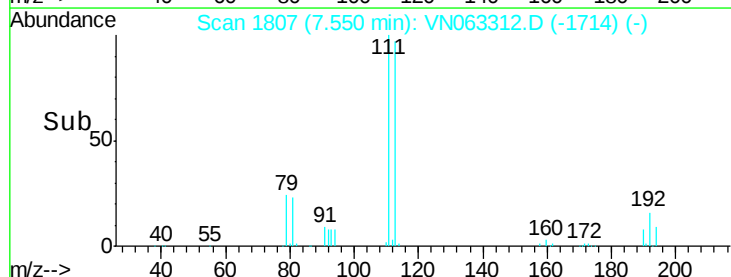
192 16.4 12.9 19.3

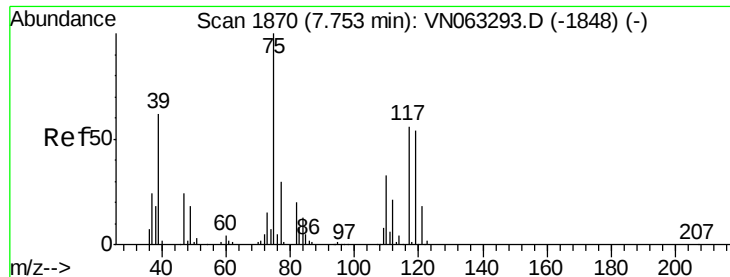


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

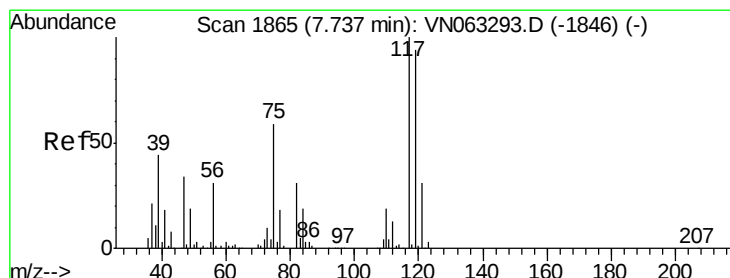
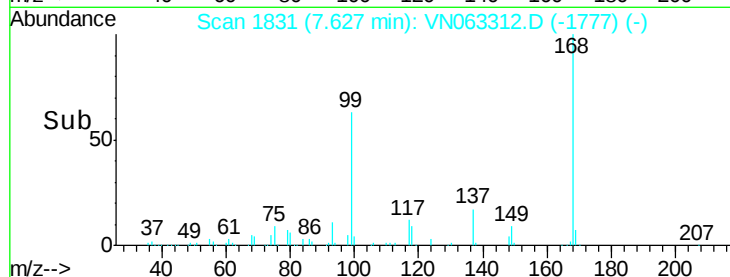
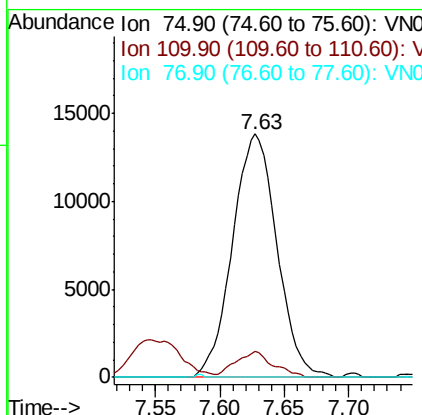
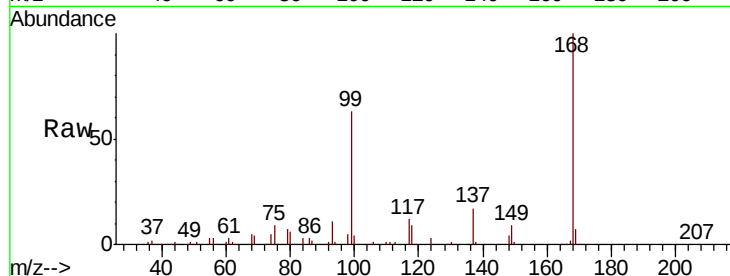




#36
 1,1-Dichloropropene
 Concen: 4.596 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063312.D
 Acq: 11 Sep 2020 14:18

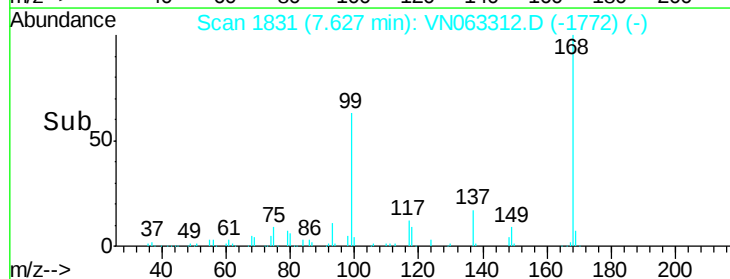
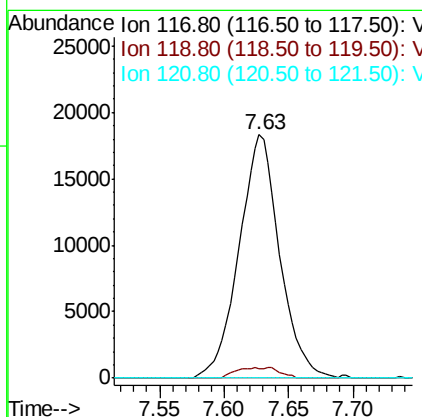
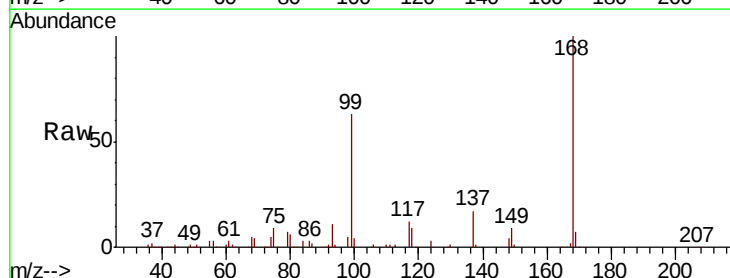
Instrument :
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 TB05-20200910

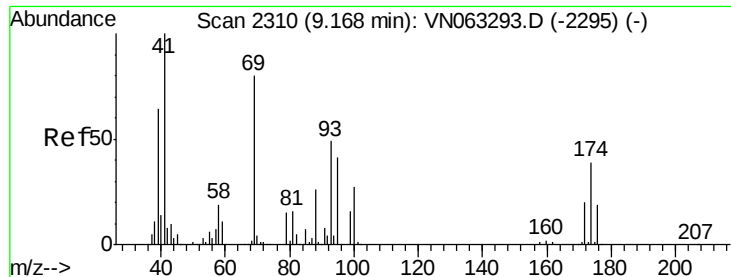
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	16.4	49.4#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.651 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN063312.D
 Acq: 11 Sep 2020 14:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	75.3	112.9#
121	0.0	24.6	37.0#

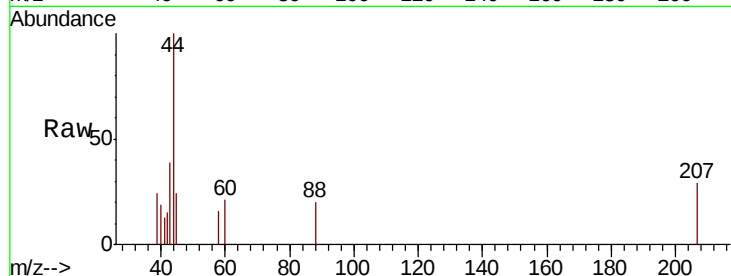




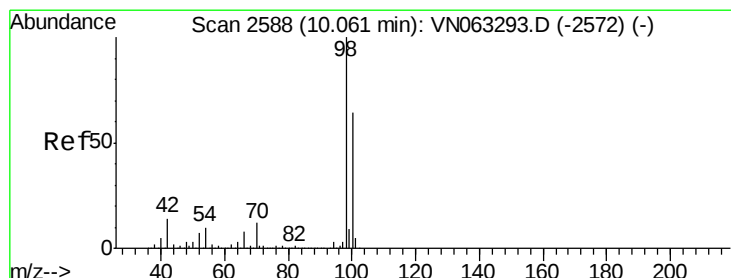
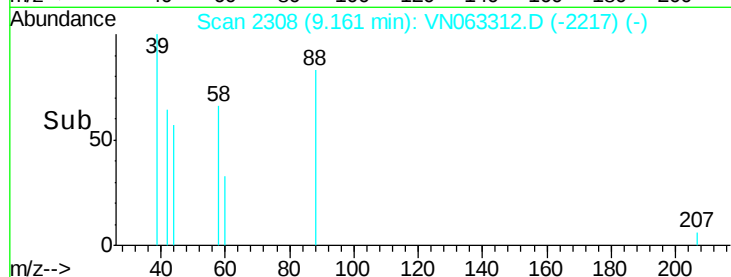
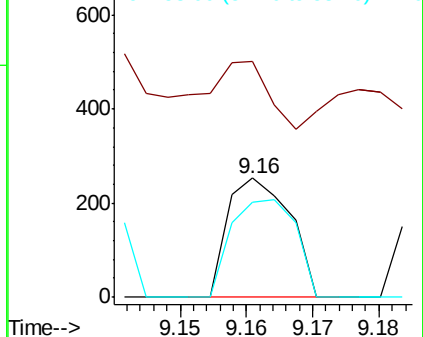
#49
1,4-Dioxane
Concen: 1.849 ug/l
RT: 9.16 min Scan# 2308
Delta R.T. -0.01 min
Lab File: VN063312.D
Acq: 11 Sep 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
TB05-20200910

Tot Ion: 88 Resp: 164
Ion Ratio Lower Upper
88 100
43 0.0 30.5 45.7#
58 85.4 58.9 88.3

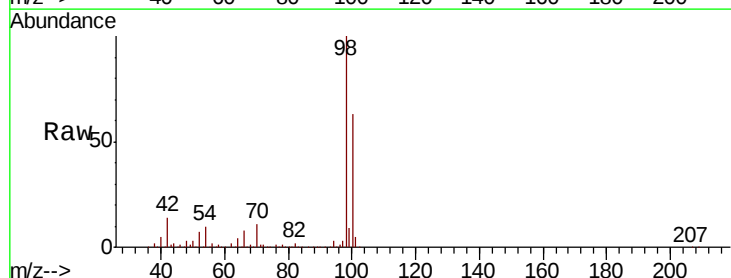


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

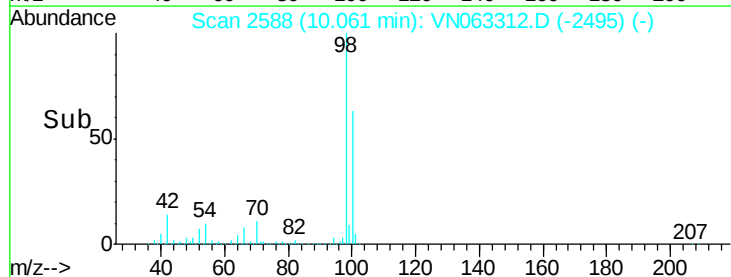
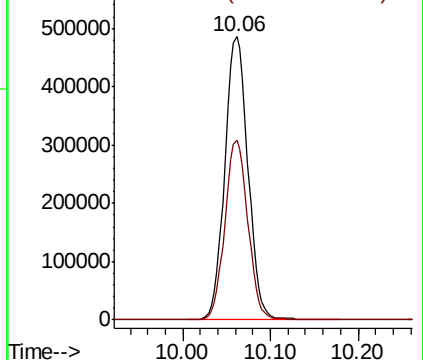


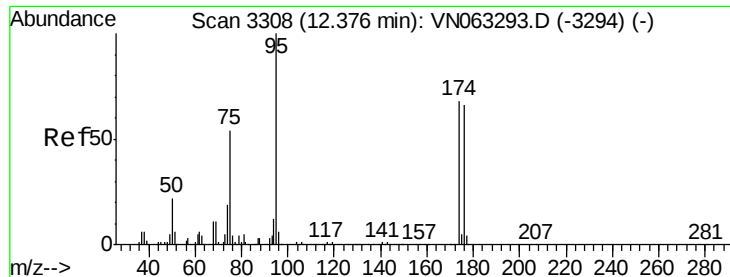
#50
Toluene-d8
Concen: 51.663 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. -0.00 min
Lab File: VN063312.D
Acq: 11 Sep 2020 14:18

Tgt Ion: 98 Resp: 895675
Ion Ratio Lower Upper
98 100
100 62.9 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 52.118 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063312.D

Acq: 11 Sep 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

TB05-20200910

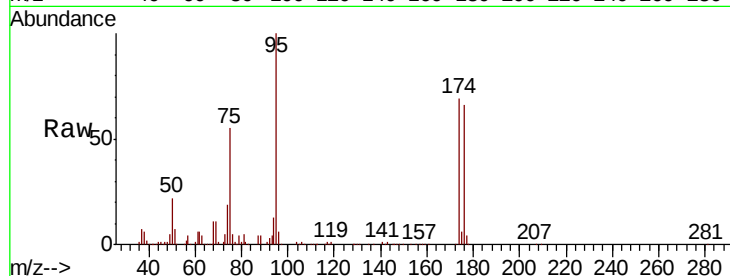
Tot Ion: 95 Resp: 333728

Ion Ratio Lower Upper

95 100

174 69.8 0.0 136.6

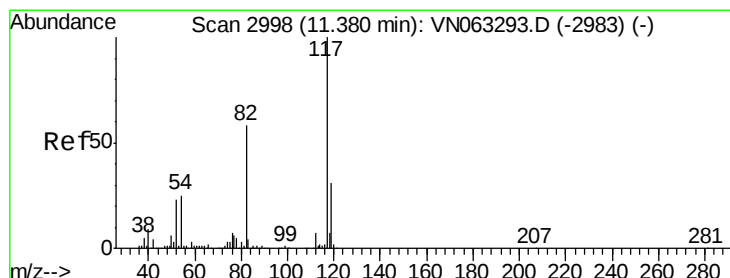
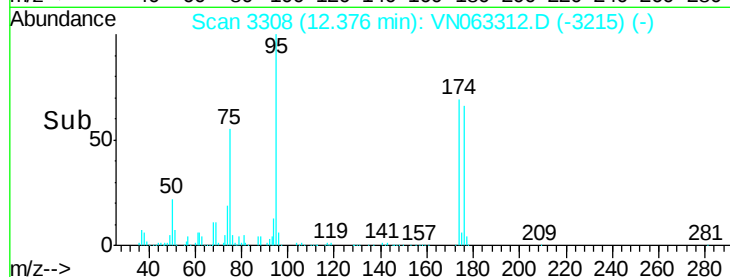
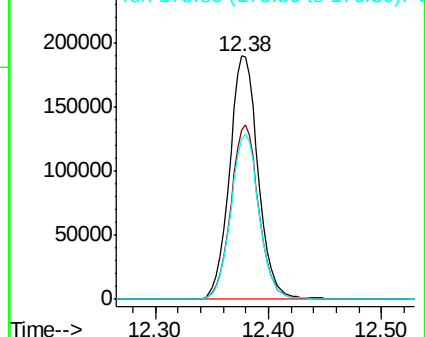
176 67.0 0.0 132.8



Abundance Ion 94.90 (94.60 to 95.60): VN063312.D (-3215) (-)

Ion 173.80 (173.50 to 174.50): VN063312.D (-3215) (-)

Ion 175.80 (175.50 to 176.50): VN063312.D (-3215) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2999

Delta R.T. 0.00 min

Lab File: VN063312.D

Acq: 11 Sep 2020 14:18

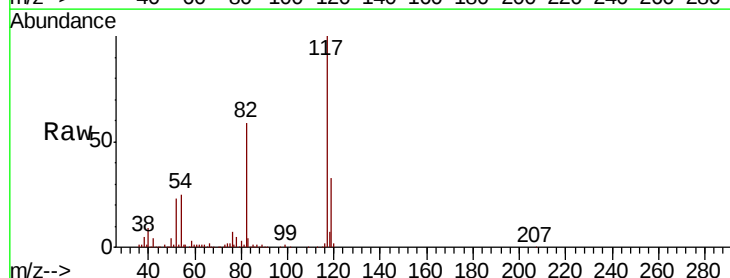
Tgt Ion: 117 Resp: 679801

Ion Ratio Lower Upper

117 100

82 58.7 46.4 69.6

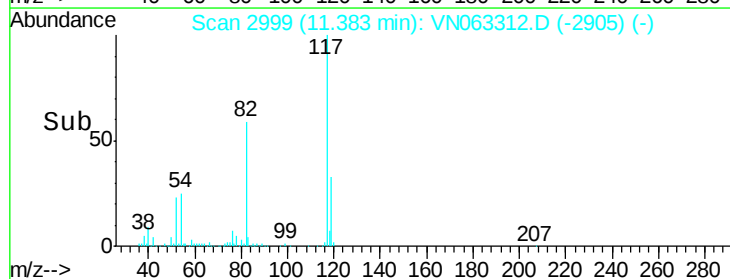
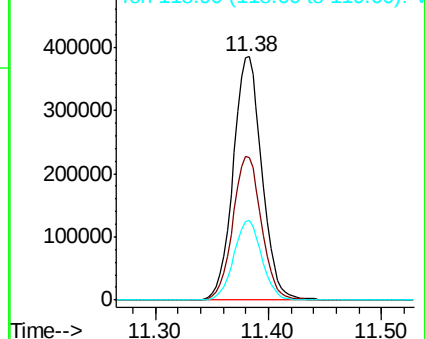
119 32.6 24.8 37.2

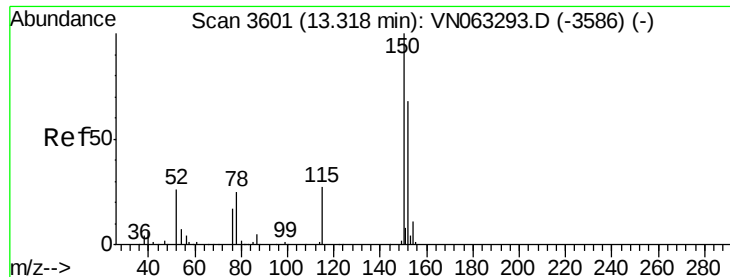


Abundance Ion 116.90 (116.60 to 117.60): VN063312.D (-2905) (-)

Ion 82.00 (81.70 to 82.70): VN063312.D (-2905) (-)

Ion 118.90 (118.60 to 119.60): VN063312.D (-2905) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN063312.D

Acq: 11 Sep 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

TB05-20200910

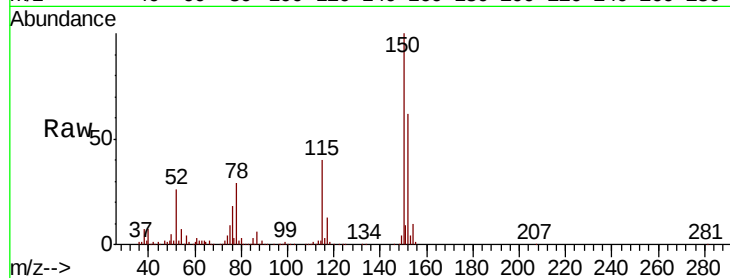
Tot Ion:152 Resp: 275157

Ion Ratio Lower Upper

152 100

115 64.0 31.5 94.5

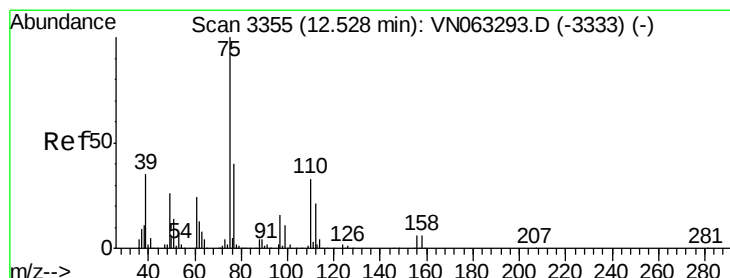
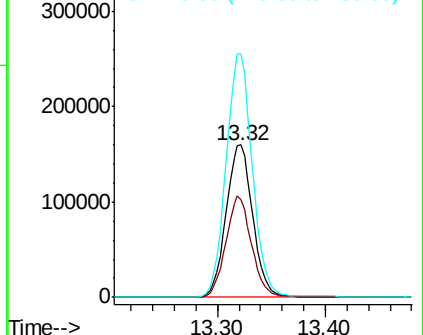
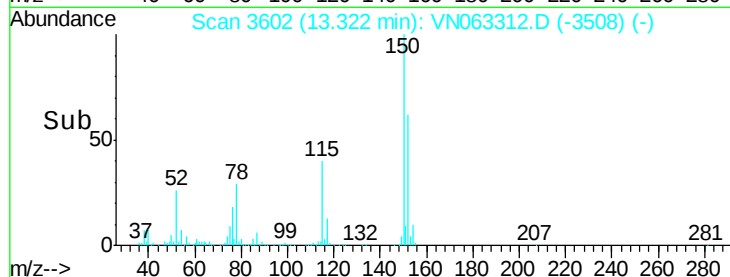
150 157.9 0.0 344.0



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: 29.892 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. -0.15 min

Lab File: VN063312.D

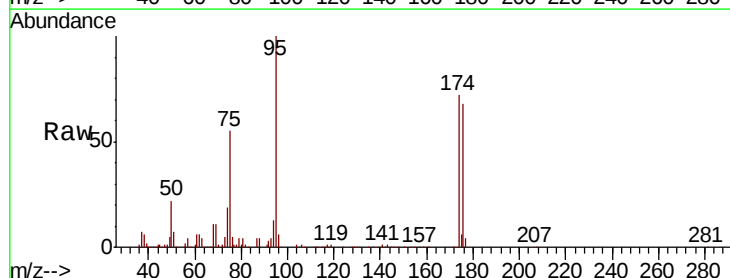
Acq: 11 Sep 2020 14:18

Tgt Ion: 75 Resp: 181457

Ion Ratio Lower Upper

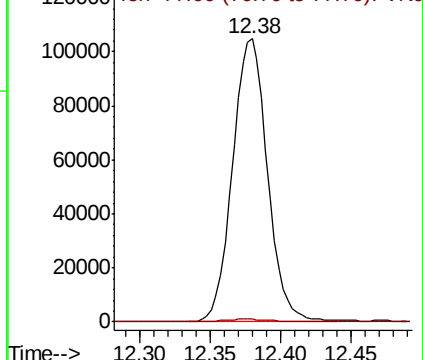
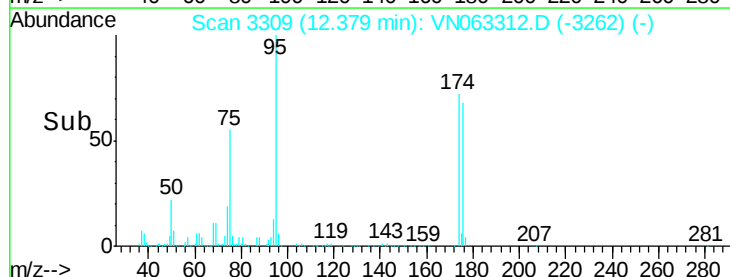
75 100

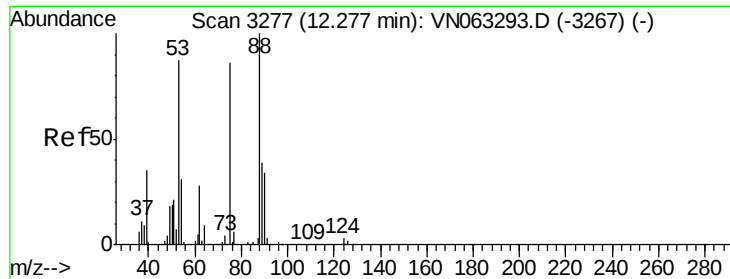
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

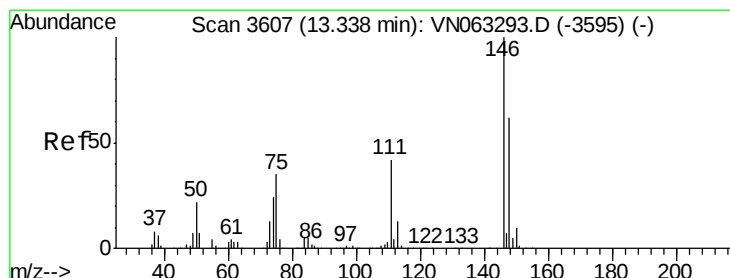
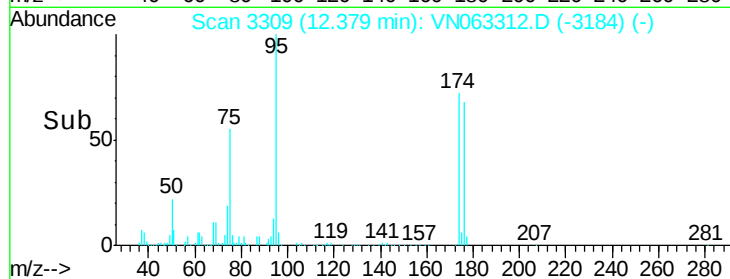
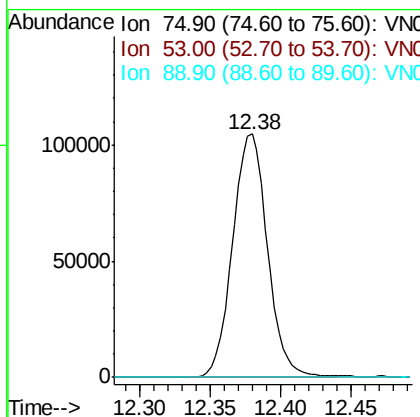
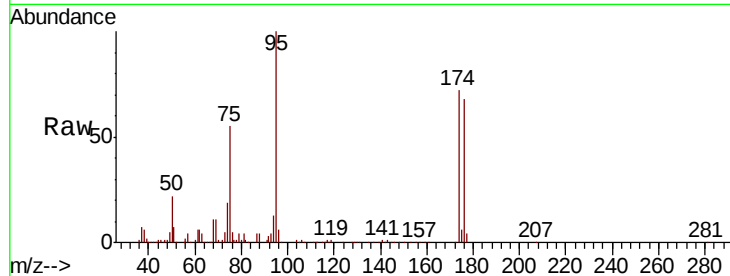




#81
trans-1,4-Dichloro-2-butene
Concen: 80.315 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. 0.10 min
Lab File: VN063312.D
Acq: 11 Sep 2020 14:18

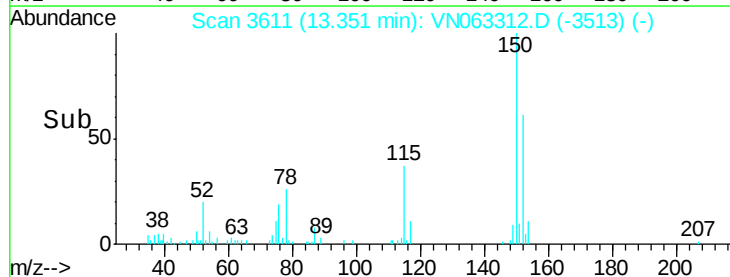
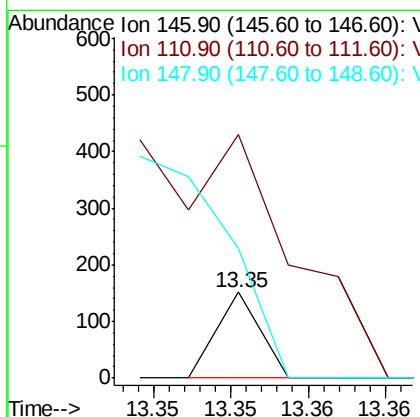
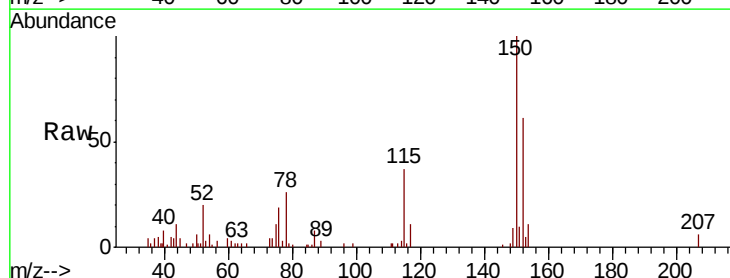
Instrument :
MSVOA_N
ClientSampled :
TB05-20200910

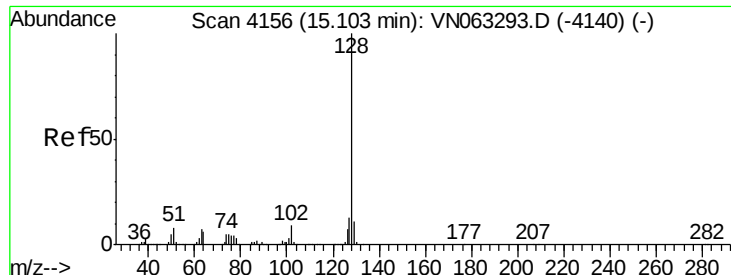
Tot Ion: 75 Resp: 181457
Ion Ratio Lower Upper
75 100
53 0.0 81.8 122.8#
89 0.0 36.7 55.1#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.35 min Scan# 3611
Delta R.T. 0.01 min
Lab File: VN063312.D
Acq: 11 Sep 2020 14:18

Tgt Ion: 146 Resp: 29
Ion Ratio Lower Upper
146 100
111 0.0 21.3 64.0#
148 1220.7 31.5 94.5#





#95

Naphthalene

Concen: Below Cal

RT: 15.10 min Scan# 4154

Delta R.T. -0.01 min

Lab File: VN063312.D

Acq: 11 Sep 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

TB05-20200910

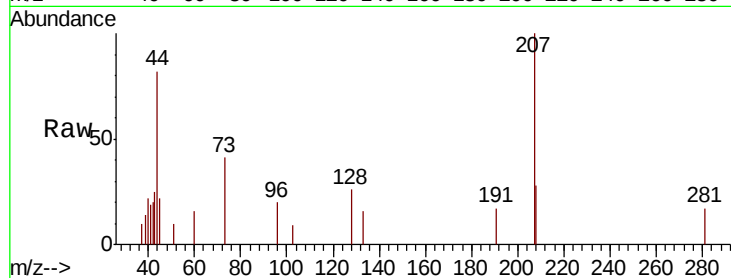
Tot Ion:128 Resp: 341

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

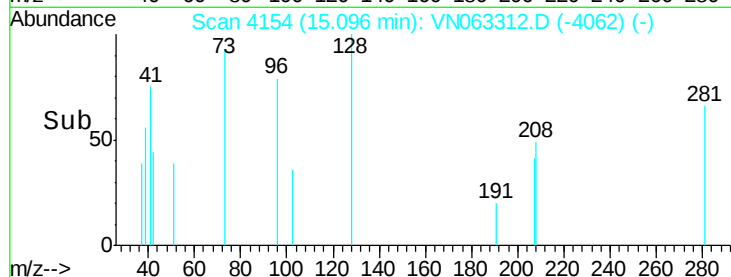
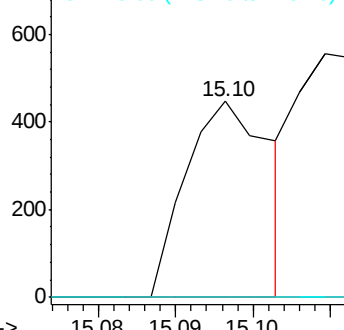
129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->