

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091020\
 Data File : VN063297.D
 Acq On : 10 Sep 2020 16:35
 Operator : JC/MD
 Sample : VN0910MBL01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBL01

Quant Time: Sep 11 06:08:17 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	392920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	742010	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	726835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	289699	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	302833	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
35) Dibromofluoromethane	7.55	113	233674	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
50) Toluene-d8	10.06	98	944096	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	
62) 4-Bromofluorobenzene	12.38	95	352797	52.07	ug/l	0.00
Spiked Amount			Recovery	=	104.14%	

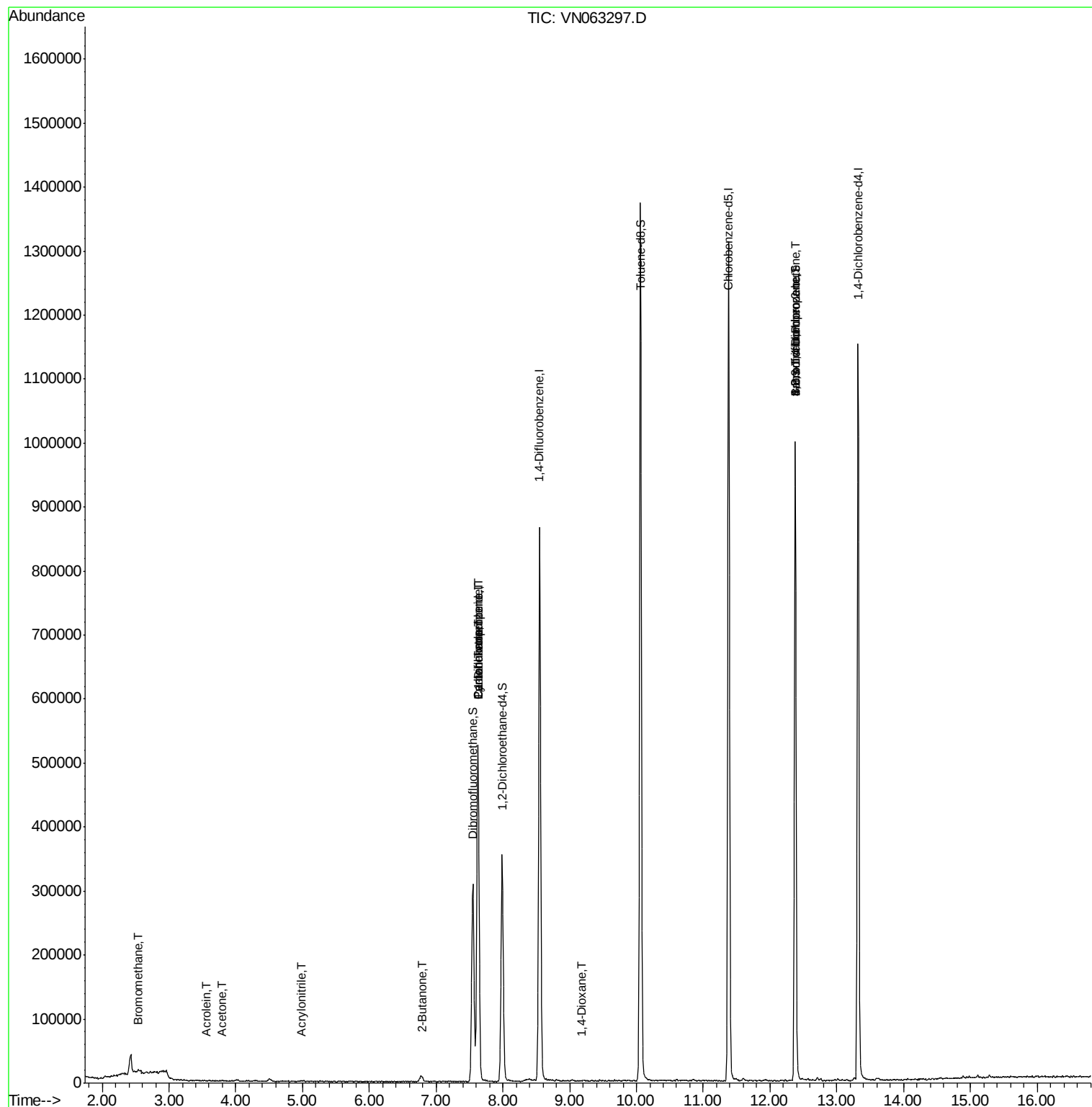
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	734	Below Cal	#	65
5) Bromomethane	2.54	94	1659	0.445	ug/l	85
13) Acrolein	3.56	56	30	32.516	ug/l #	1
15) Acrylonitrile	4.97	53	483	0.216	ug/l #	48
16) Acetone	3.79	43	1309	0.614	ug/l #	46
17) Carbon Disulfide	4.02	76	3865	Below Cal	#	87
20) Methylene Chloride	4.50	84	1006	Below Cal	#	70
25) 2-Butanone	6.79	43	1065	0.338	ug/l #	51
31) Cyclohexane	7.63	56	10915	1.261	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	36916	4.840	ug/l #	52
38) Carbon Tetrachloride	7.63	117	42476	5.659	ug/l #	16
49) 1,4-Dioxane	9.17	88	30	0.320	ug/l #	1
71) Bromoform	12.38	173	1096	0.278	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	195043	30.517	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	195043	81.995	ug/l #	9
88) 1,4-Dichlorobenzene	13.26	146	826	Below Cal		68
94) Hexachlorobutadiene	14.99	225	383	Below Cal	#	69
95) Naphthalene	15.12	128	3728	Below Cal	#	93
96) 1,2,3-Trichlorobenzene	15.28	180	394	Below Cal		67

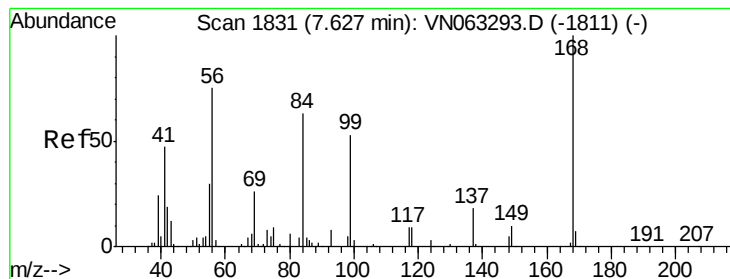
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Sep 11 06:02:56 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: VN063297.D

Acq: 10 Sep 2020 16:35

Instrument :

MSVOA_N

ClientSampleId :

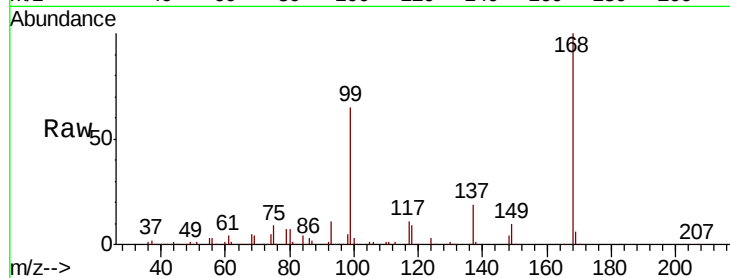
VN0910MBL01

Tot Ion:168 Resp: 392920

Ion Ratio Lower Upper

168 100

99 65.3 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

7.63

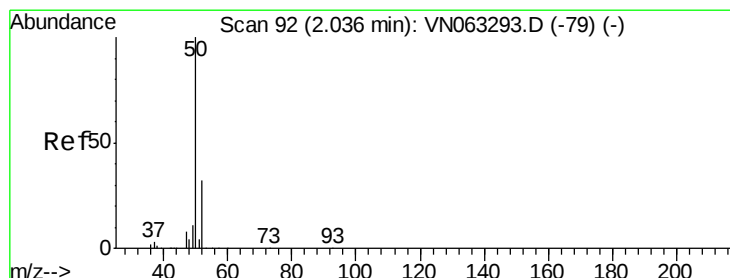
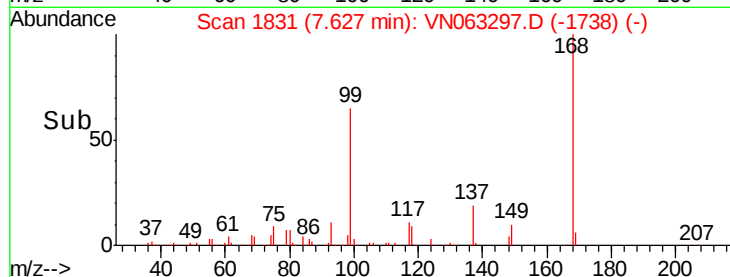
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 89

Delta R.T. -0.01 min

Lab File: VN063297.D

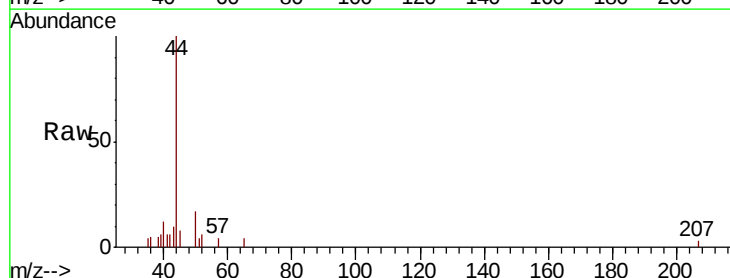
Acq: 10 Sep 2020 16:35

Tgt Ion: 50 Resp: 734

Ion Ratio Lower Upper

50 100

52 12.6 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

1000

800

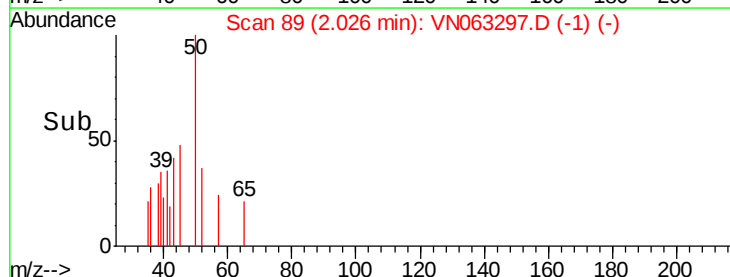
600

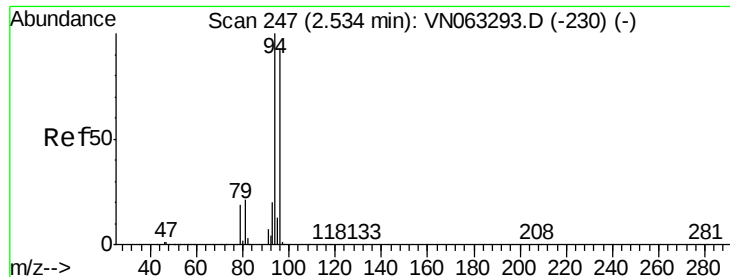
400

200

0

Time--> 2.00 2.01 2.02 2.03 2.04





#5

Bromomethane

Concen: 0.445 ug/l

RT: 2.54 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN063297.D

Acq: 10 Sep 2020 16:35

Instrument :

MSVOA_N

ClientSampleId :

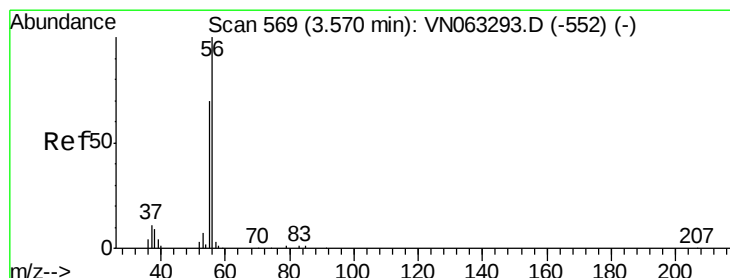
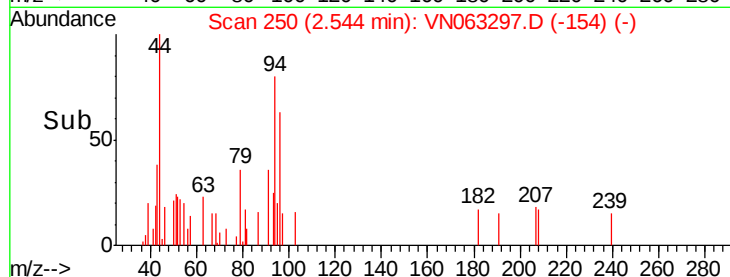
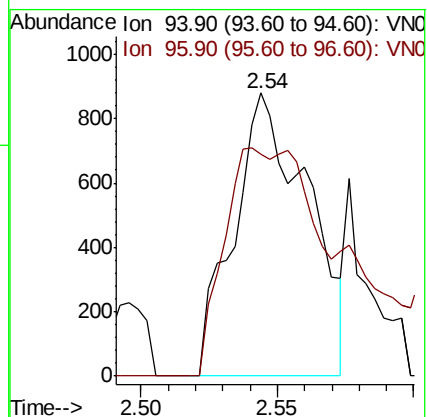
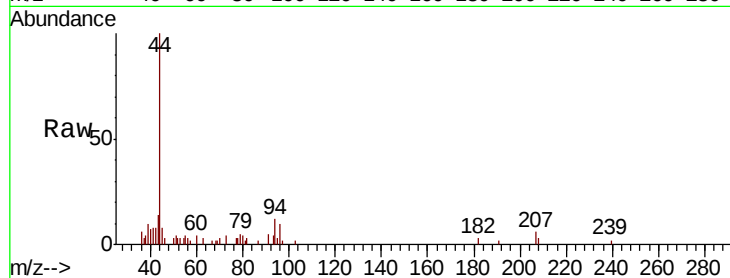
VN0910MBL01

Tot Ion: 94 Resp: 1659

Ion Ratio Lower Upper

94 100

96 78.5 74.3 111.5



#13

Acrolein

Concen: 32.516 ug/l

RT: 3.56 min Scan# 565

Delta R.T. -0.01 min

Lab File: VN063297.D

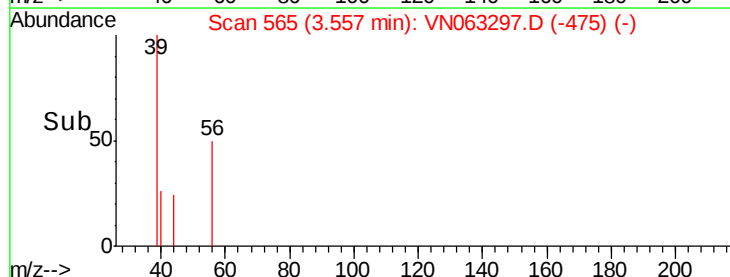
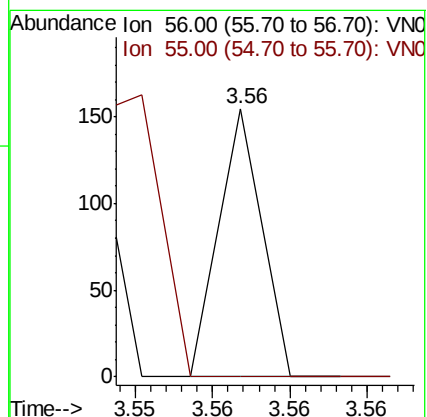
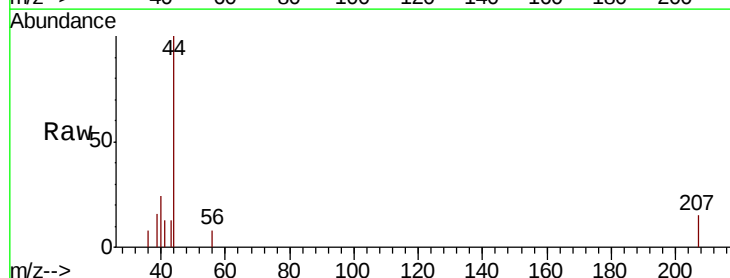
Acq: 10 Sep 2020 16:35

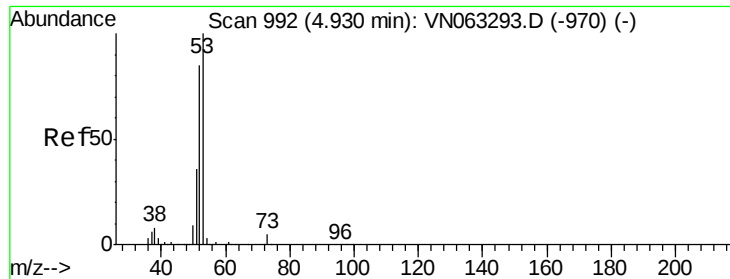
Tgt Ion: 56 Resp: 30

Ion Ratio Lower Upper

56 100

55 206.7 57.2 85.8#





#15

Acrylonitrile

Concen: 0.216 ug/l

RT: 4.97 min Scan# 1004

Delta R.T. 0.04 min

Lab File: VN063297.D

Acq: 10 Sep 2020 16:35

Instrument :

MSVOA_N

ClientSampled :

VN0910MBL01

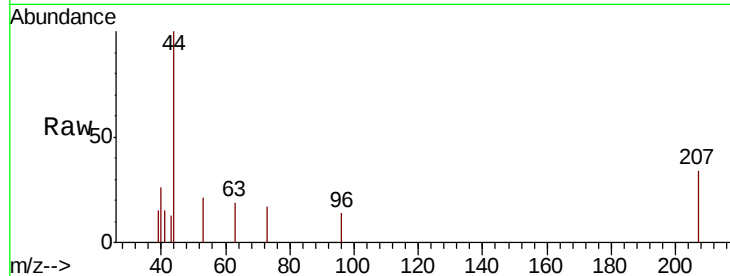
Tot Ion: 53 Resp: 483

Ion Ratio Lower Upper

53 100

52 36.2 66.5 99.7#

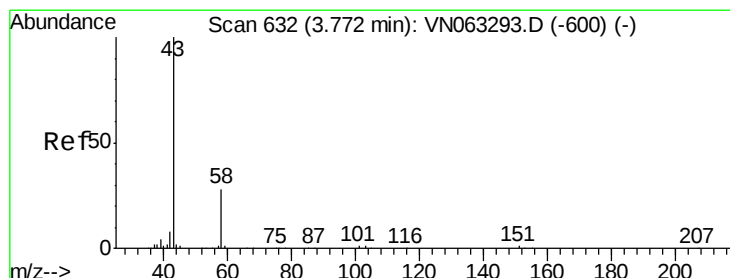
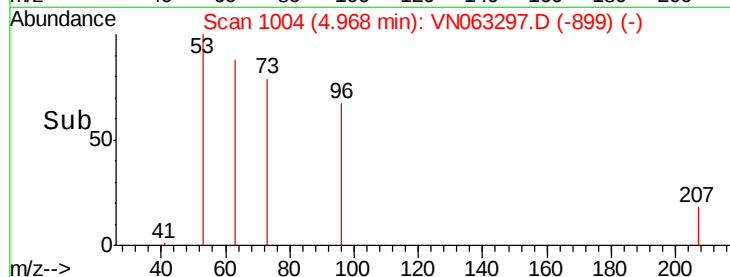
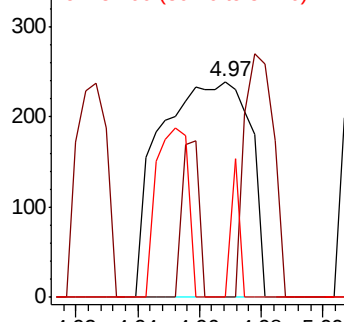
51 6.2 29.8 44.6#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 0.614 ug/l

RT: 3.79 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN063297.D

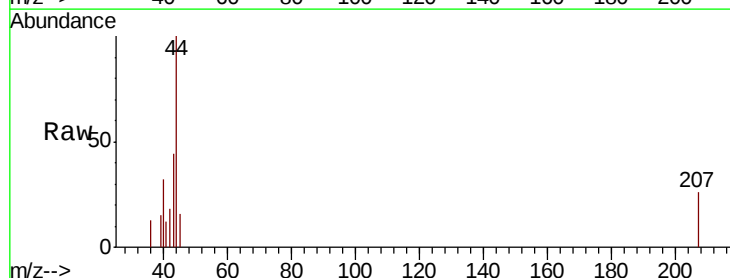
Acq: 10 Sep 2020 16:35

Tgt Ion: 43 Resp: 1309

Ion Ratio Lower Upper

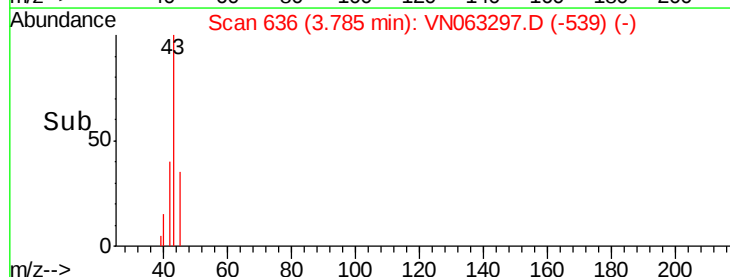
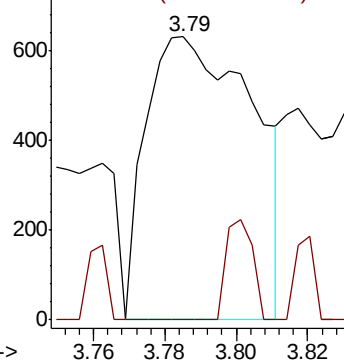
43 100

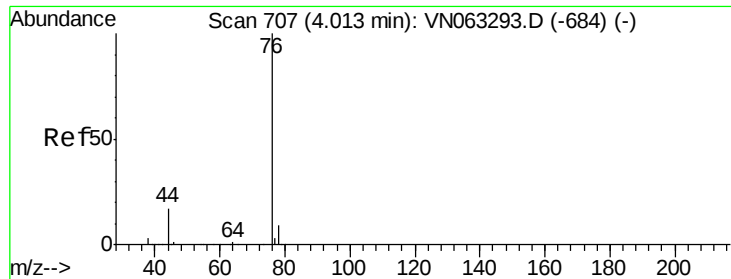
58 0.0 22.6 34.0#



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: 4.02 min Scan# 709

Delta R.T. 0.01 min

Lab File: VN063297.D

Acq: 10 Sep 2020 16:35

Instrument :

MSVOA_N

ClientSampleId :

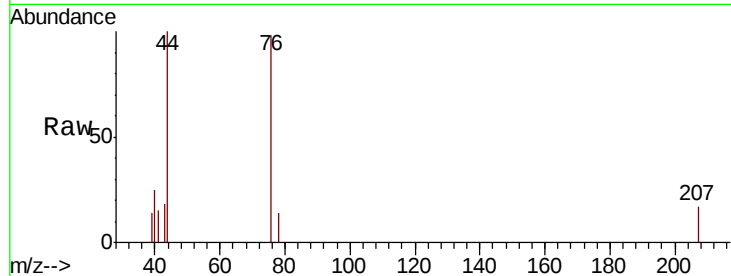
VN0910MBL01

Tot Ion: 76 Resp: 3865

Ion Ratio Lower Upper

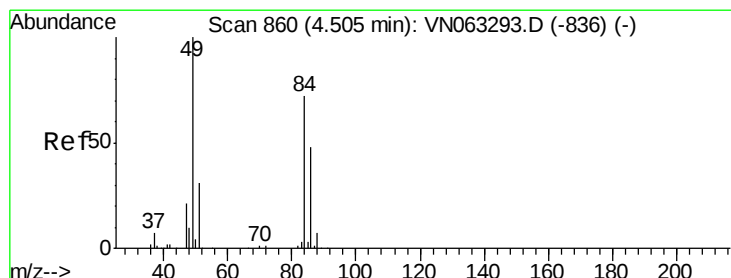
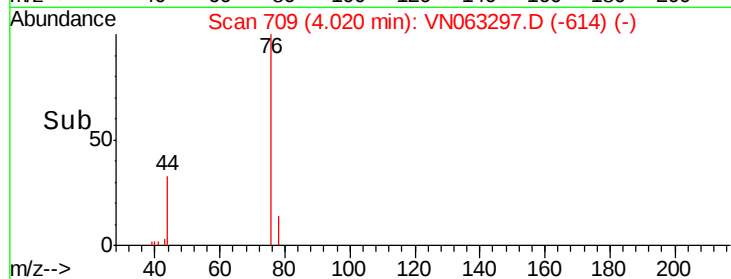
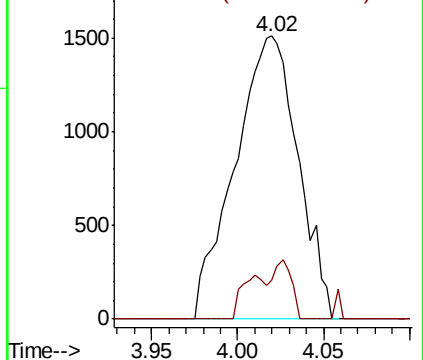
76 100

78 13.8 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#20

Methylene Chloride

Concen: Below Cal

RT: 4.50 min Scan# 858

Delta R.T. -0.01 min

Lab File: VN063297.D

Acq: 10 Sep 2020 16:35

Tgt Ion: 84 Resp: 1006

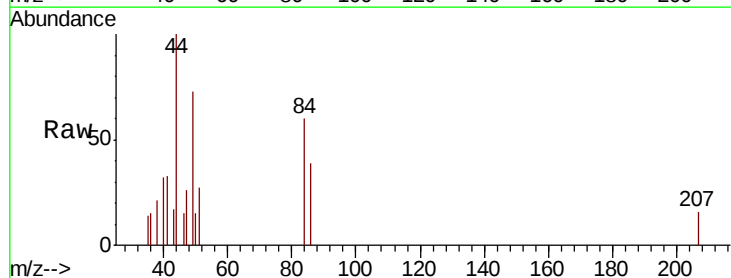
Ion Ratio Lower Upper

84 100

49 76.2 111.1 166.7#

51 45.1 34.3 51.5

86 64.2 52.9 79.3

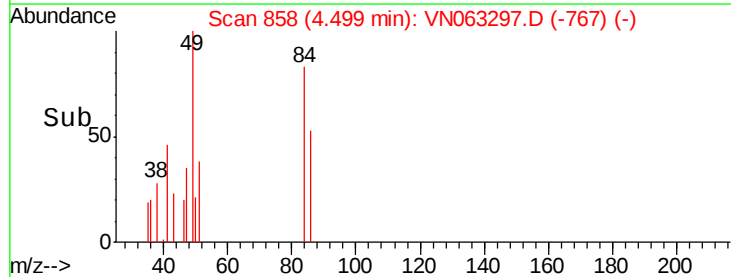
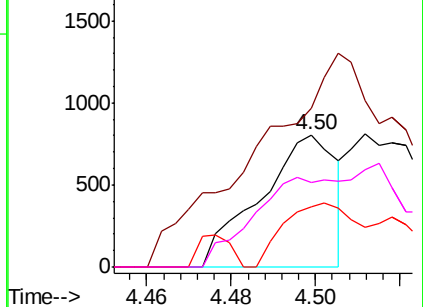


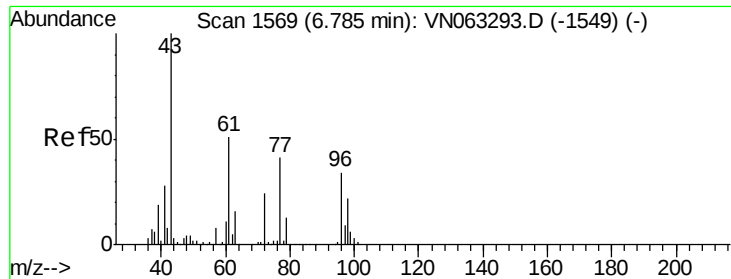
Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

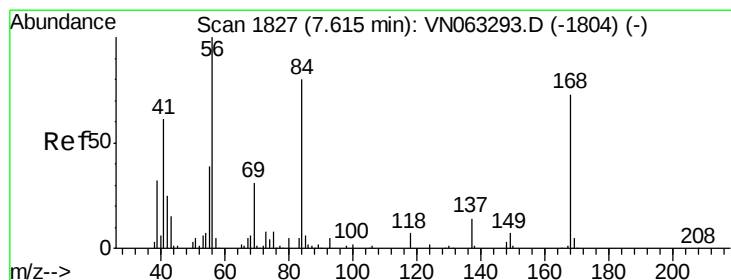
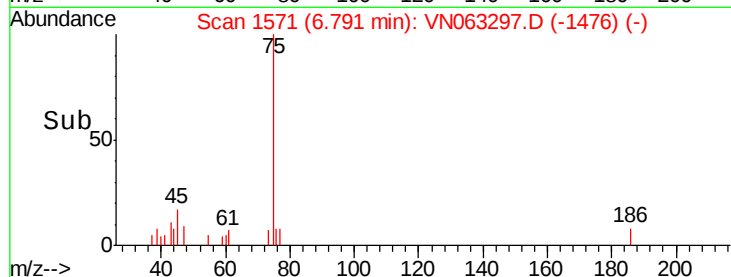
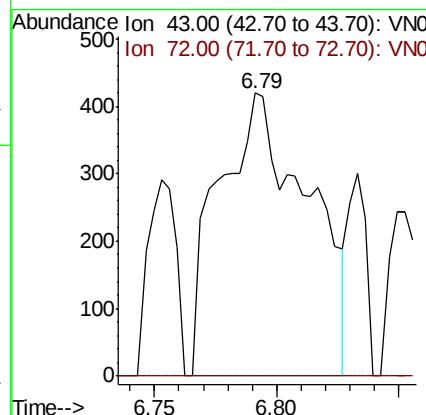
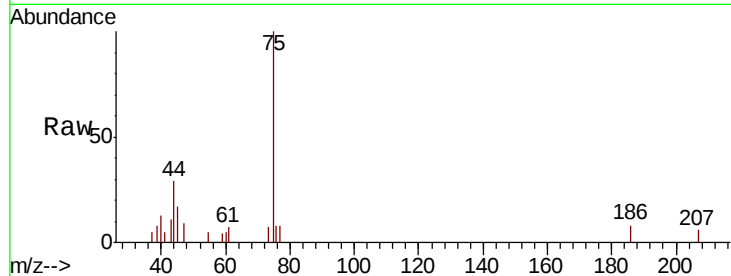




#25
2-Butanone
Concen: 0.338 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN063297.D
Acq: 10 Sep 2020 16:35

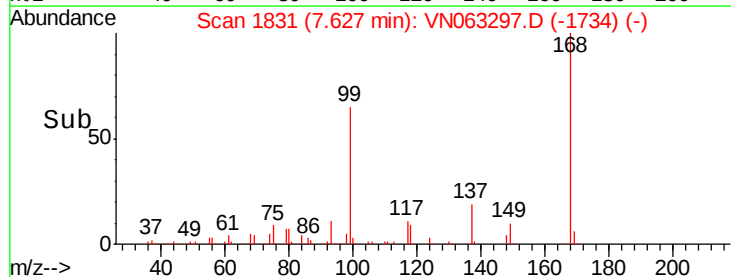
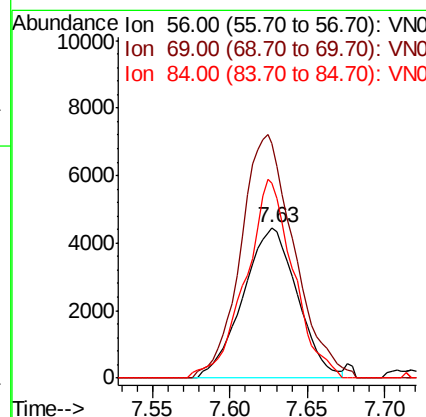
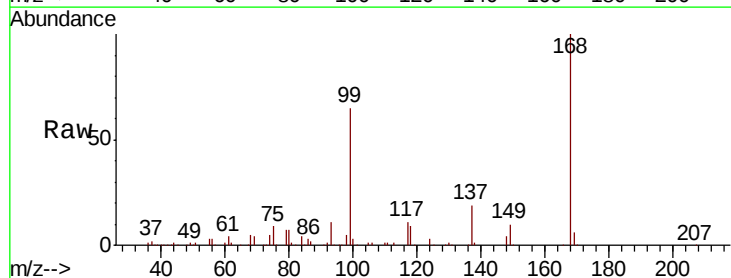
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBL01

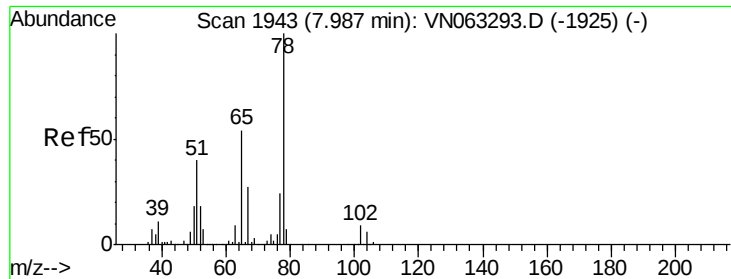
Tot Ion: 43 Resp: 1065
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#31
Cyclohexane
Concen: 1.261 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN063297.D
Acq: 10 Sep 2020 16:35

Tgt Ion: 56 Resp: 10915
Ion Ratio Lower Upper
56 100
69 156.4 25.1 37.7#
84 129.9 64.2 96.2#





#33

1,2-Dichloroethane-d4

Concen: 49.055 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063297.D

Acq: 10 Sep 2020 16:35

Instrument :

MSVOA_N

ClientSampleId :

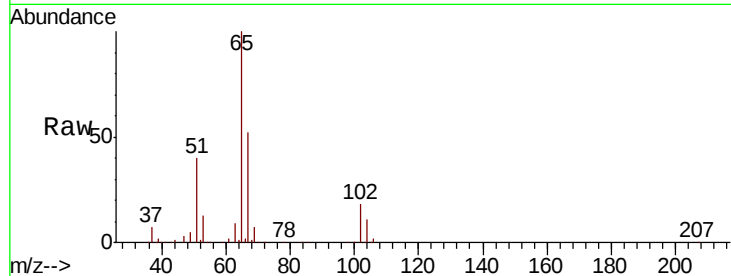
VN0910MBL01

Tot Ion: 65 Resp: 302833

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

7.99

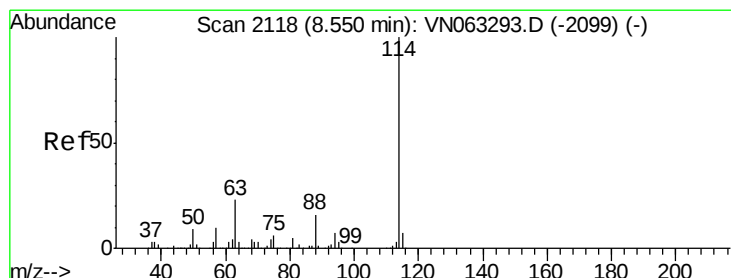
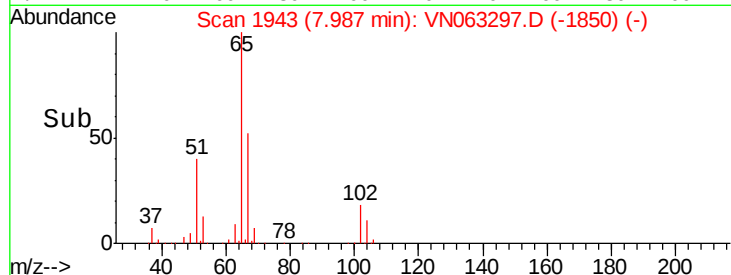
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063297.D

Acq: 10 Sep 2020 16:35

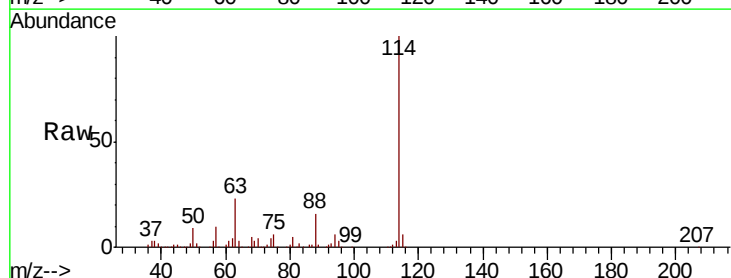
Tgt Ion: 114 Resp: 742010

Ion Ratio Lower Upper

114 100

63 22.9 0.0 46.0

88 16.4 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.55

400000

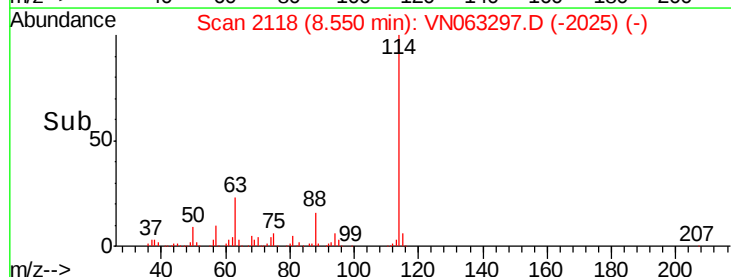
300000

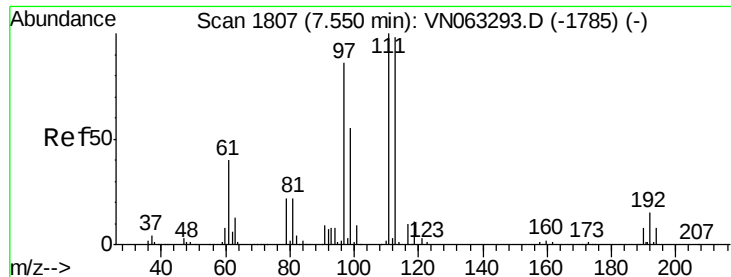
200000

100000

0

Time-->

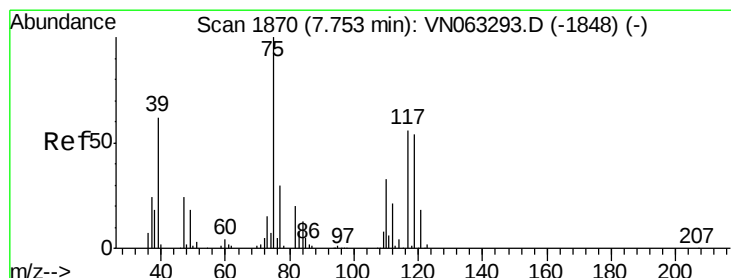
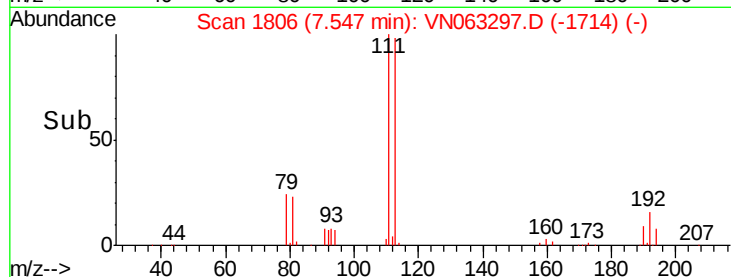
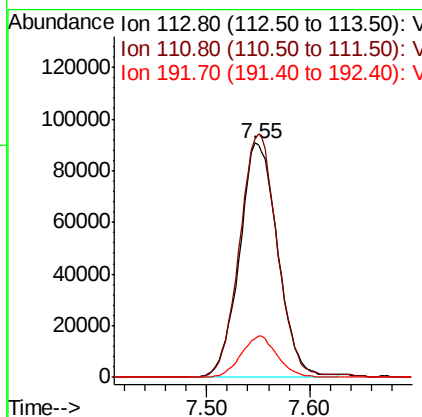
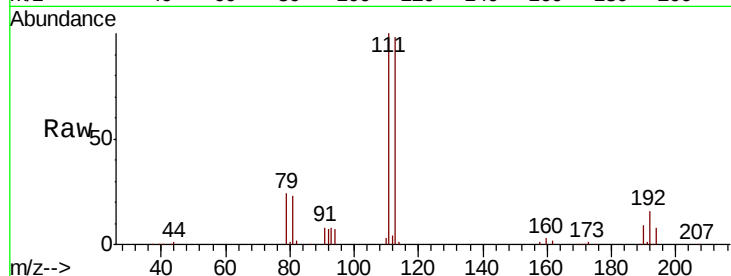




#35
 Dibromofluoromethane
 Concen: 48.815 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063297.D
 Acq: 10 Sep 2020 16:35

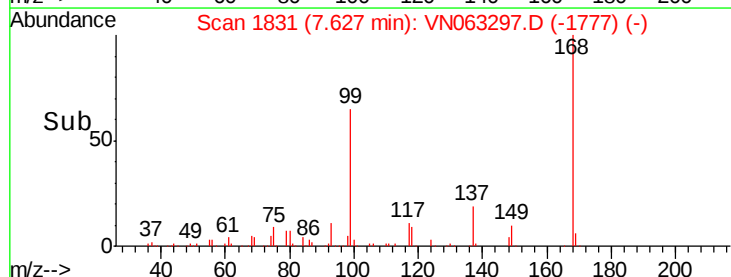
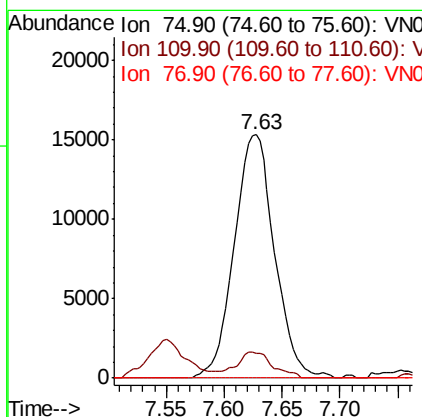
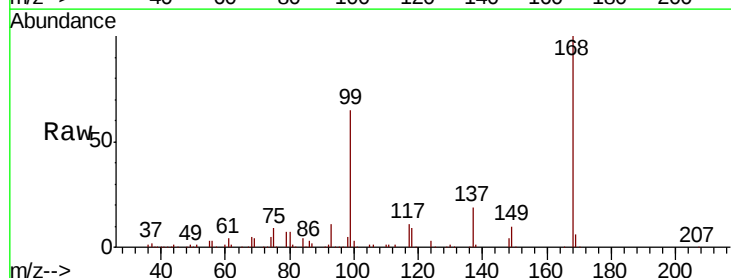
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBL01

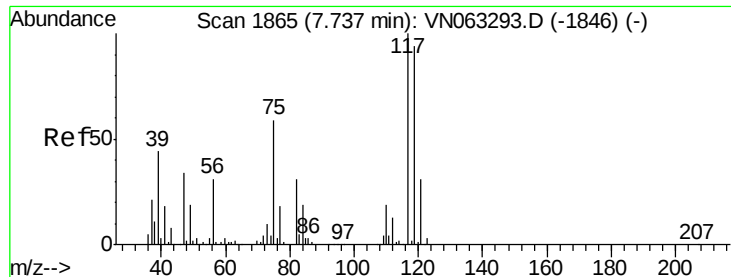
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.2	123.2
192	16.7	12.9	19.3



#36
 1,1-Dichloropropene
 Concen: 4.840 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063297.D
 Acq: 10 Sep 2020 16:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	16.4	49.4#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 5.659 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063297.D

Acq: 10 Sep 2020 16:35

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBL01

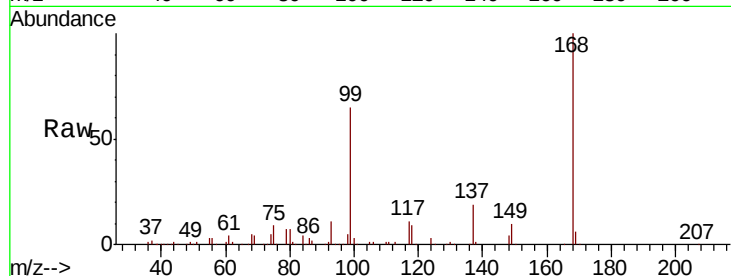
Tot Ion:117 Resp: 42476

Ion Ratio Lower Upper

117 100

119 4.6 75.3 112.9#

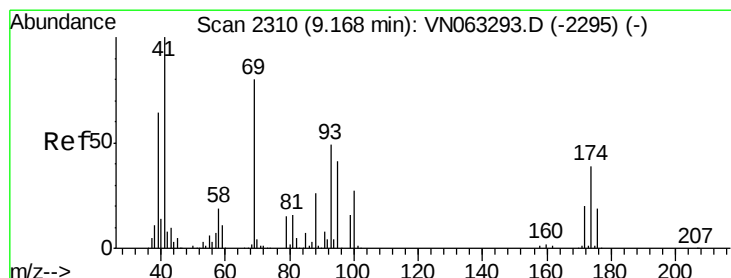
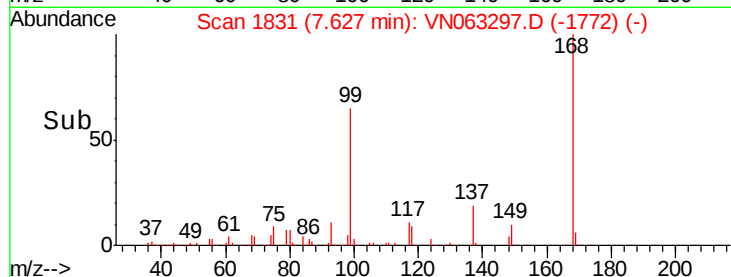
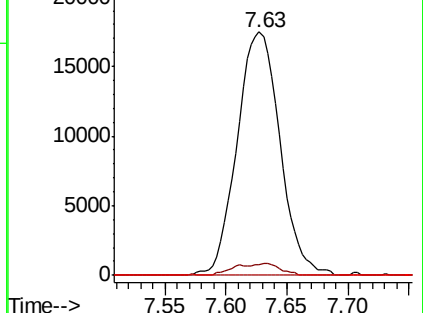
121 0.0 24.6 37.0#



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



#49

1,4-Dioxane

Concen: 0.320 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.01 min

Lab File: VN063297.D

Acq: 10 Sep 2020 16:35

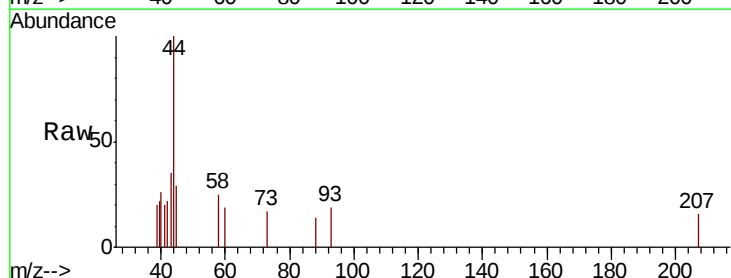
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 716.7 30.5 45.7#

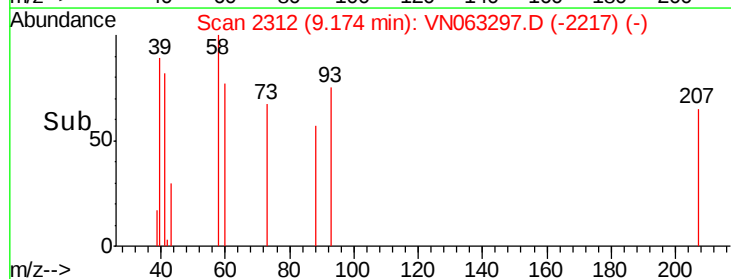
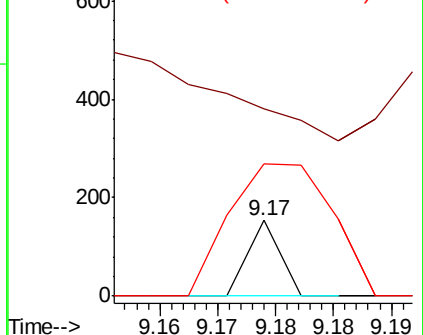
58 553.3 58.9 88.3#

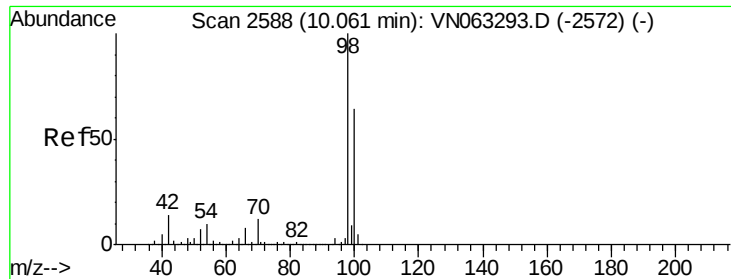


Abundance Ion 88.00 (87.70 to 88.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#50

Toluene-d8

Concen: 51.465 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063297.D

Acq: 10 Sep 2020 16:35

Instrument :

MSVOA_N

ClientSampleId :

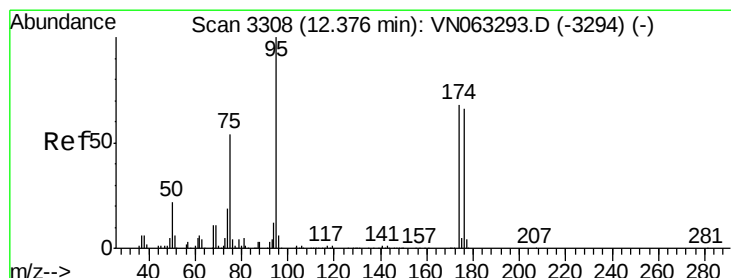
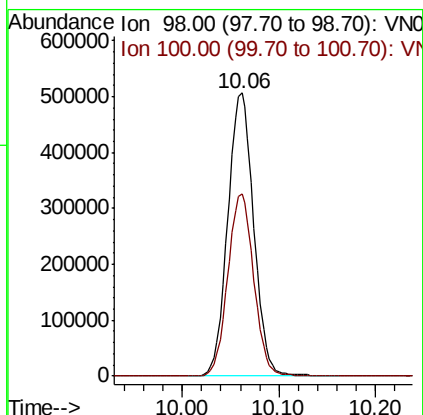
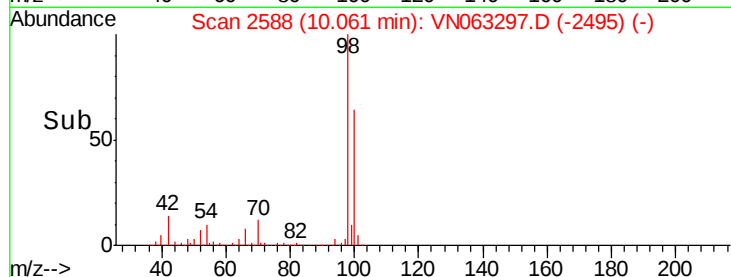
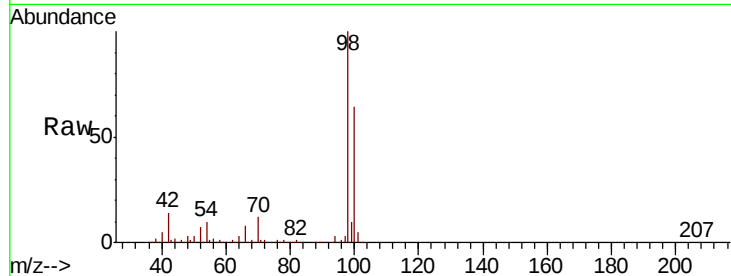
VN0910MBL01

Tot Ion: 98 Resp: 944096

Ion Ratio Lower Upper

98 100

100 64.1 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 52.069 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063297.D

Acq: 10 Sep 2020 16:35

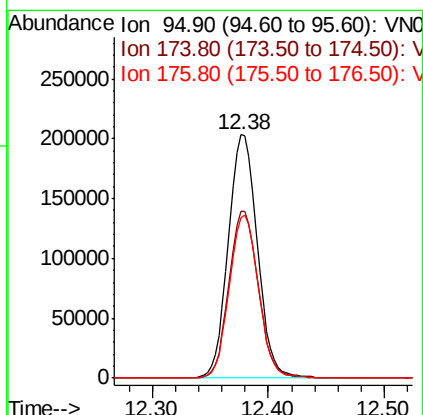
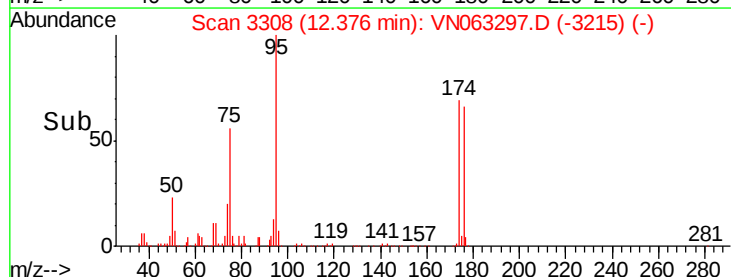
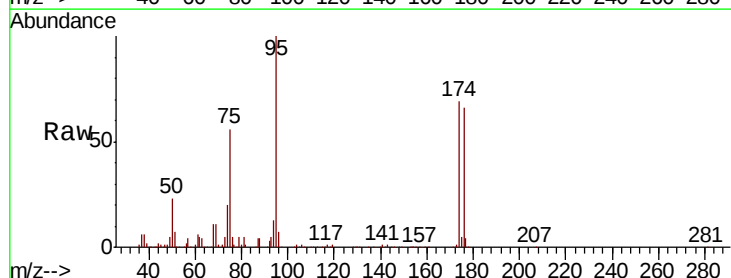
Tgt Ion: 95 Resp: 352797

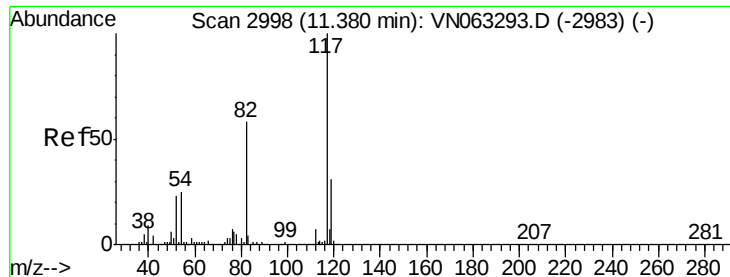
Ion Ratio Lower Upper

95 100

174 69.4 0.0 136.6

176 67.1 0.0 132.8

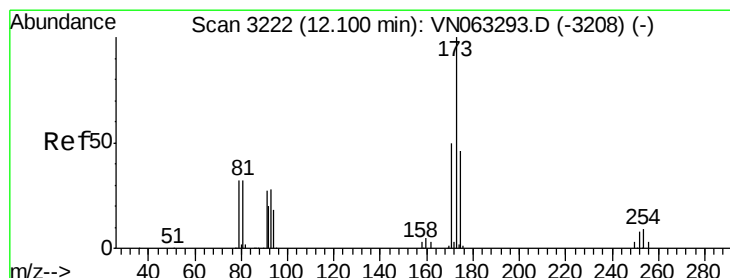
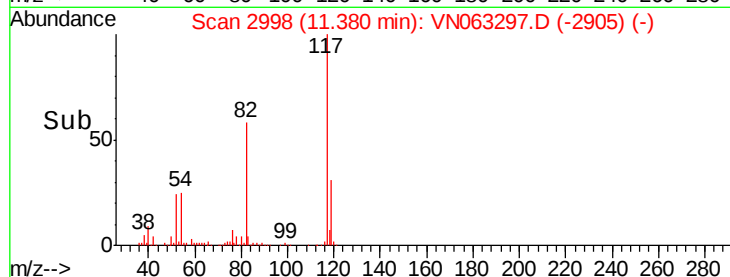
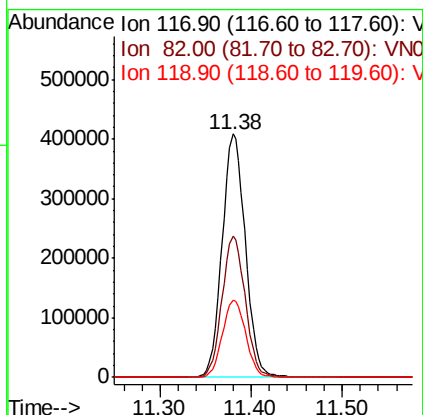
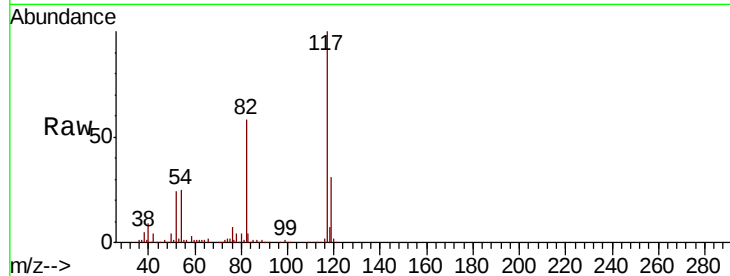




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063297.D
Acq: 10 Sep 2020 16:35

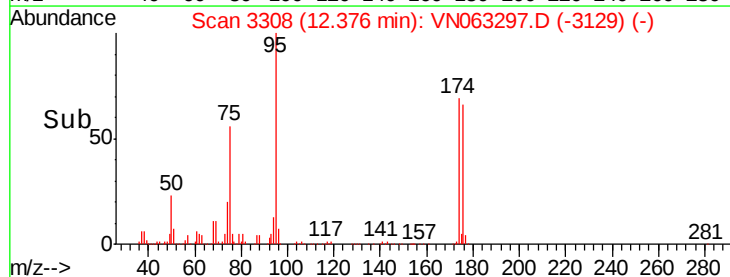
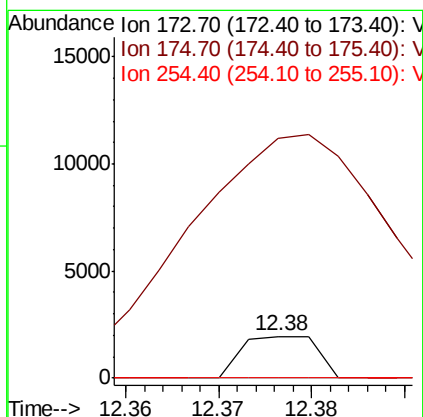
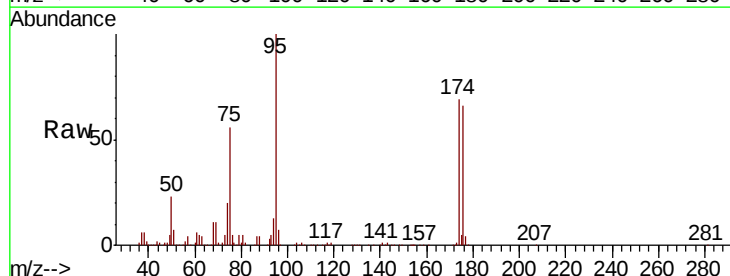
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBL01

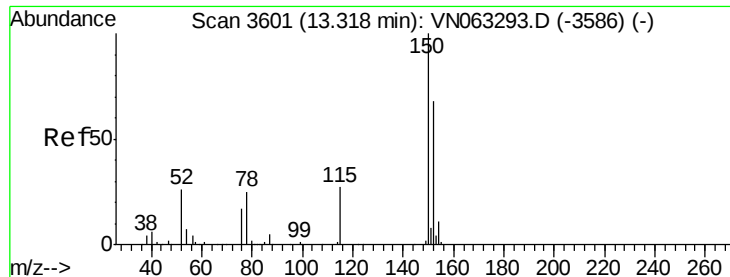
Tot Ion:117 Resp: 726835
Ion Ratio Lower Upper
117 100
82 57.8 46.4 69.6
119 31.5 24.8 37.2



#71
Bromoform
Concen: 0.278 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.28 min
Lab File: VN063297.D
Acq: 10 Sep 2020 16:35

Tgt Ion:173 Resp: 1096
Ion Ratio Lower Upper
173 100
175 1383.9 23.8 71.5#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063297.D

Acq: 10 Sep 2020 16:35

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBL01

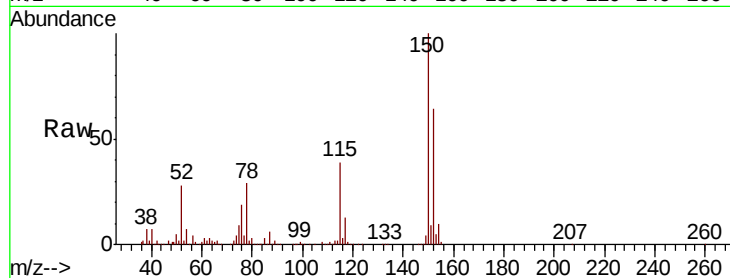
Tot Ion:152 Resp: 289699

Ion Ratio Lower Upper

152 100

115 61.9 31.5 94.5

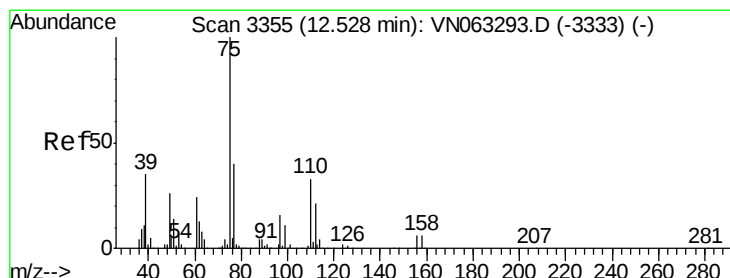
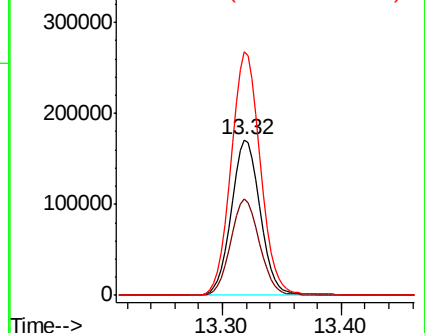
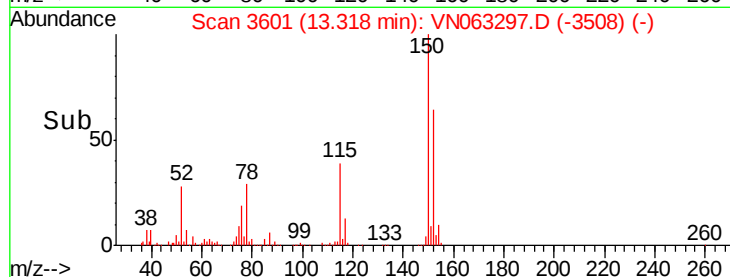
150 157.1 0.0 344.0



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: 30.517 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063297.D

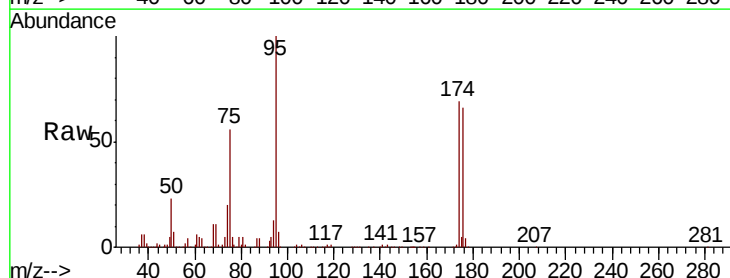
Acq: 10 Sep 2020 16:35

Tgt Ion: 75 Resp: 195043

Ion Ratio Lower Upper

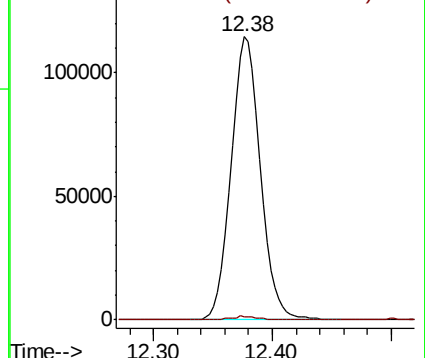
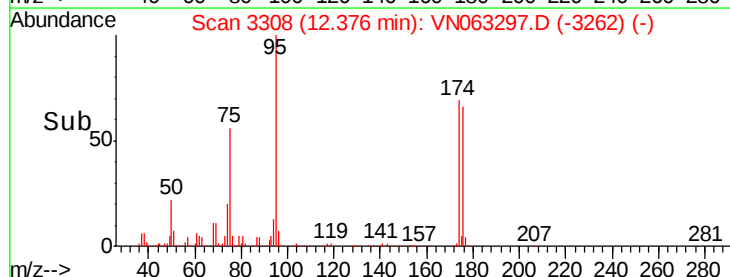
75 100

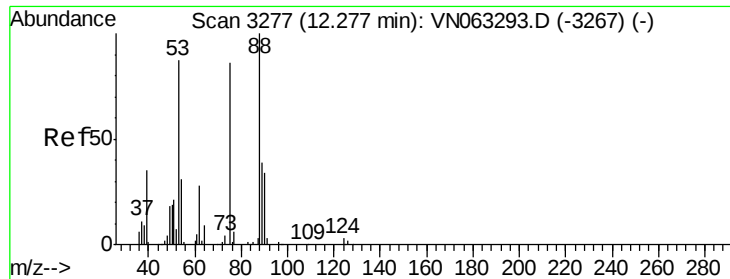
77 1.1 0.0 0.0#



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: 81.995 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063297.D

Acq: 10 Sep 2020 16:35

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBL01

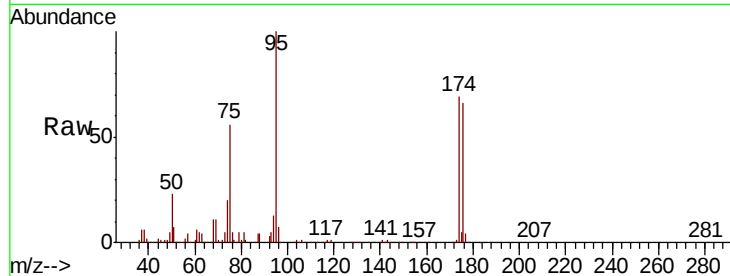
Tot Ion: 75 Resp: 195043

Ion Ratio Lower Upper

75 100

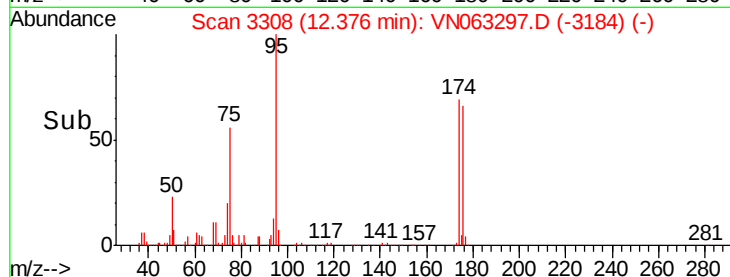
53 0.0 81.8 122.8#

89 0.0 36.7 55.1#

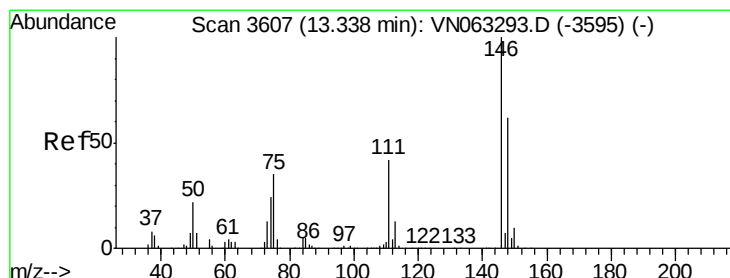


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

12.38



Time-->



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.26 min Scan# 3583

Delta R.T. -0.08 min

Lab File: VN063297.D

Acq: 10 Sep 2020 16:35

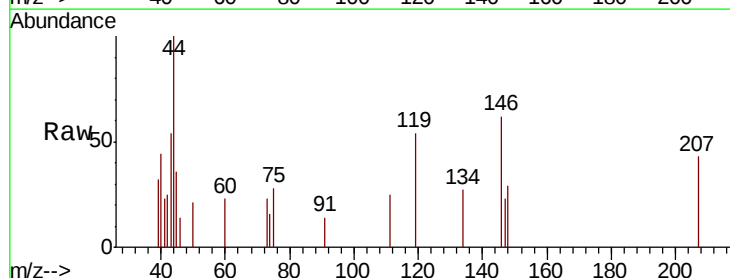
Tgt Ion: 146 Resp: 826

Ion Ratio Lower Upper

146 100

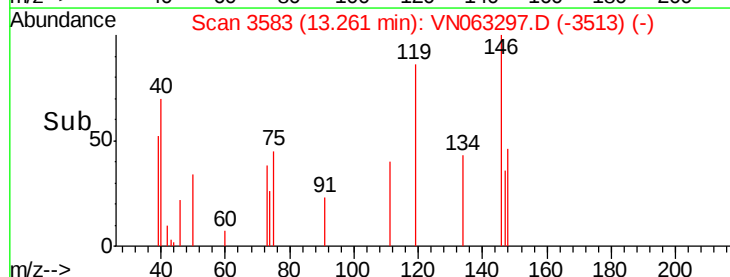
111 23.4 21.3 64.0

148 36.8 31.5 94.5

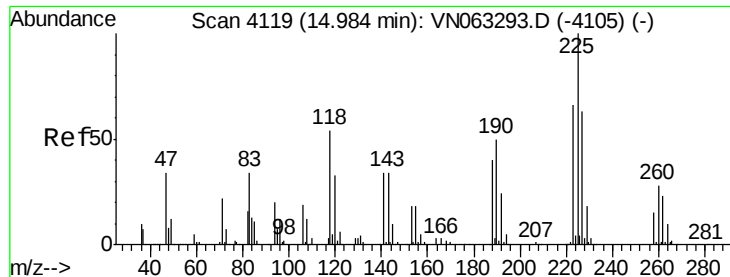


Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

13.26



Time-->



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 14.99 min Scan# 4120

Delta R.T. 0.00 min

Lab File: VN063297.D

Acq: 10 Sep 2020 16:35

Instrument :

MSVOA_N

ClientSampled :

VN0910MBL01

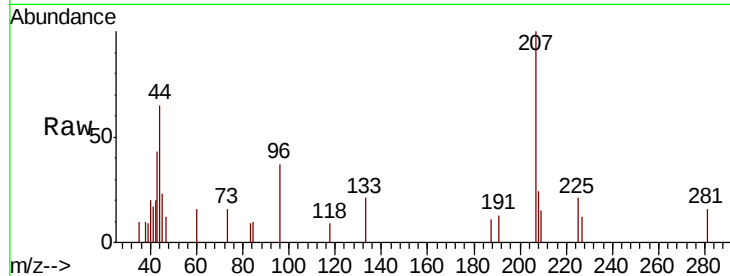
Tot Ion:225 Resp: 383

Ion Ratio Lower Upper

225 100

223 28.2 31.3 93.9#

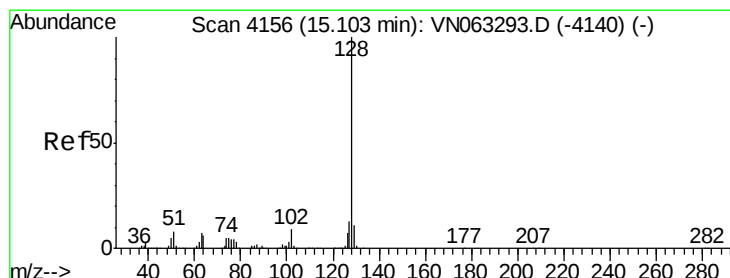
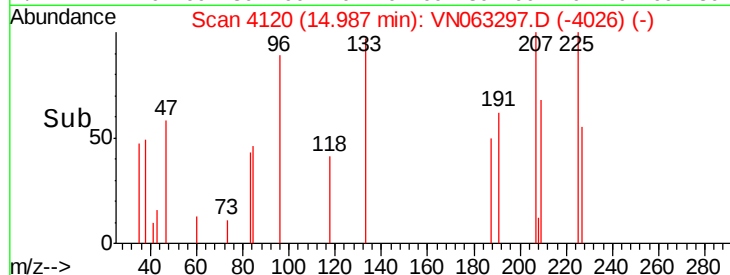
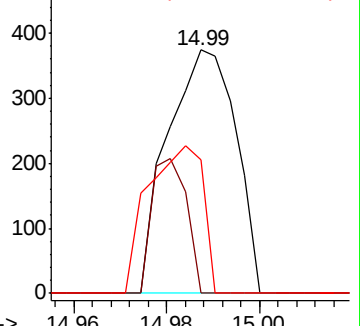
227 48.8 31.2 93.6



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: Below Cal

RT: 15.12 min Scan# 4160

Delta R.T. 0.01 min

Lab File: VN063297.D

Acq: 10 Sep 2020 16:35

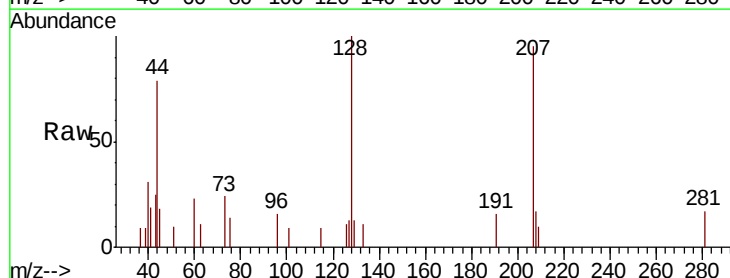
Tgt Ion:128 Resp: 3728

Ion Ratio Lower Upper

128 100

127 13.8 10.3 15.5

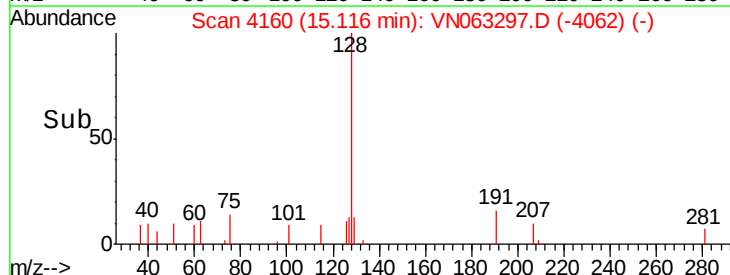
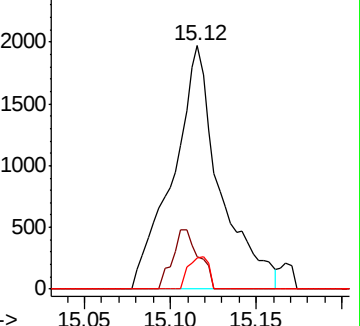
129 5.8 8.6 12.8#

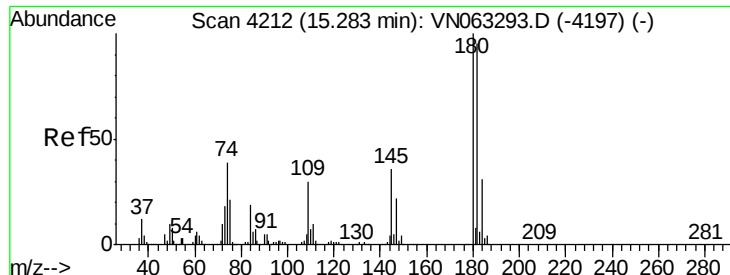


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.28 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN063297.D
 Acq: 10 Sep 2020 16:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBL01

Tot Ion:180 Resp: 394
 Ion Ratio Lower Upper
 180 100
 182 134.3 47.4 142.3
 145 41.9 17.2 51.6

