

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091120\
 Data File : VN063324.D
 Acq On : 11 Sep 2020 19:06
 Operator : JC/MD
 Sample : L3988-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 12 00:43:39 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	371499	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	702828	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	674287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	272742	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	287550	49.27	ug/l	0.00
Spiked Amount						
				Recovery	=	98.54%
35) Dibromofluoromethane	7.55	113	224801	49.58	ug/l	0.00
Spiked Amount						
				Recovery	=	99.16%
50) Toluene-d8	10.06	98	889031	51.16	ug/l	0.00
Spiked Amount						
				Recovery	=	102.32%
62) 4-Bromofluorobenzene	12.38	95	327741	51.07	ug/l	0.00
Spiked Amount						
				Recovery	=	102.14%

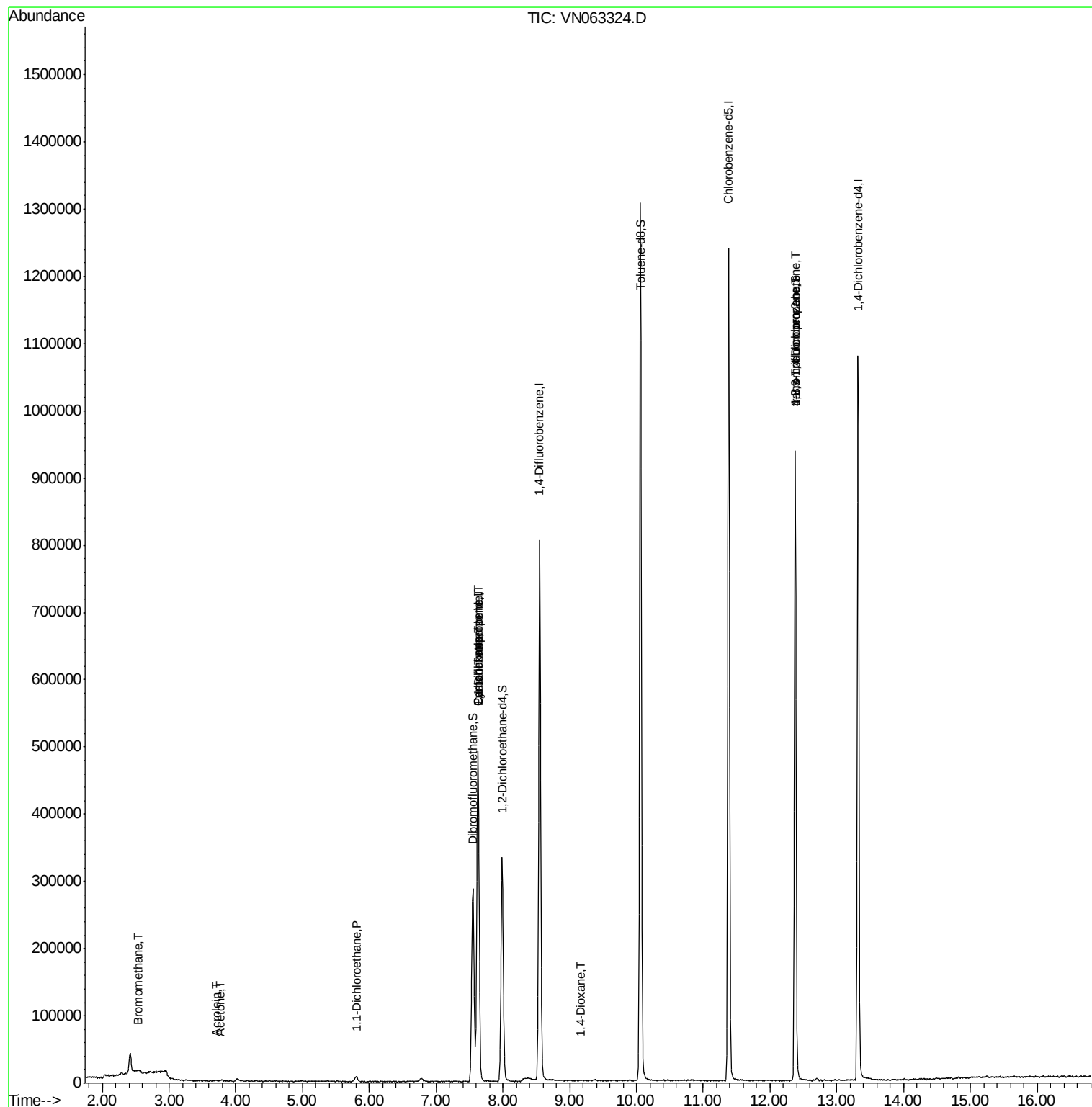
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	2784	Below Cal		91
5) Bromomethane	2.54	94	874	0.248	ug/l #	75
13) Acrolein	3.70	56	65	32.592	ug/l #	4
16) Acetone	3.77	43	672	0.333	ug/l #	37
17) Carbon Disulfide	4.01	76	1019	Below Cal	#	75
20) Methylene Chloride	4.49	84	226	Below Cal	#	42
24) 1,1-Dichloroethane	5.80	63	11403	1.280	ug/l #	90
31) Cyclohexane	7.62	56	9616	1.175	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	33456	4.631	ug/l #	51
38) Carbon Tetrachloride	7.62	117	39464	5.550	ug/l #	16
49) 1,4-Dioxane	9.17	88	105	1.181	ug/l #	41
76) 1,2,3-Trichloropropane	12.38	75	178868	29.727	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	178868	79.870	ug/l #	9
88) 1,4-Dichlorobenzene	13.34	146	383	Below Cal	#	1
95) Naphthalene	15.11	128	903	Below Cal	#	74

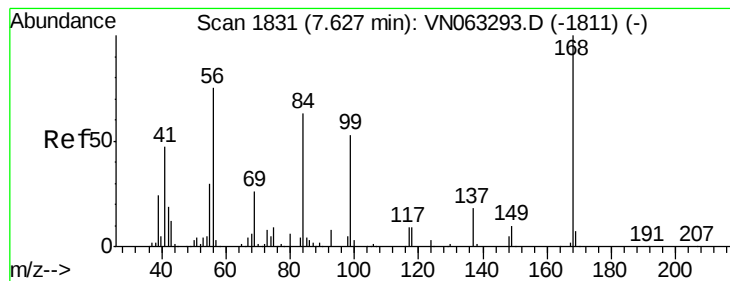
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063324.D

Acq: 11 Sep 2020 19:06

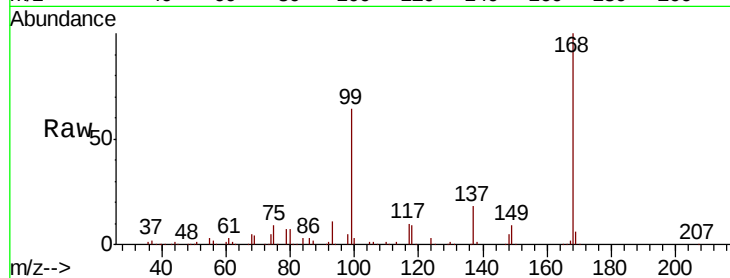
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 371499

Ion Ratio Lower Upper

168 100

99 63.5 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

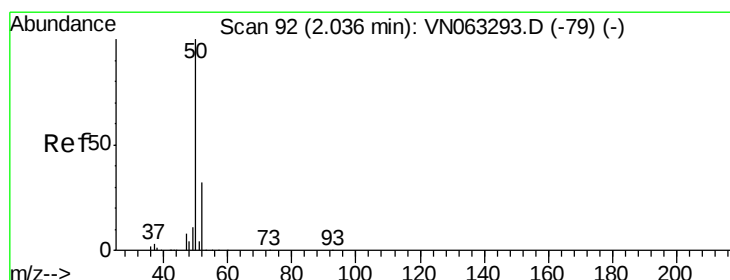
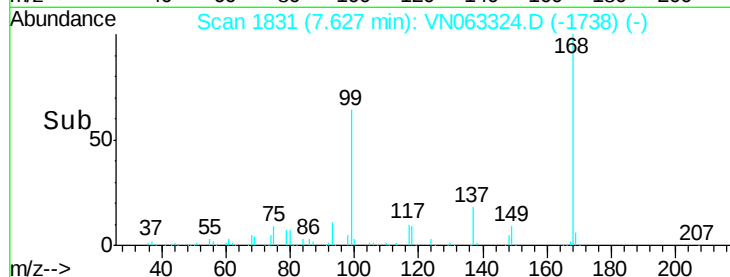
100000

50000

0

7.55 7.60 7.65 7.70

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063324.D

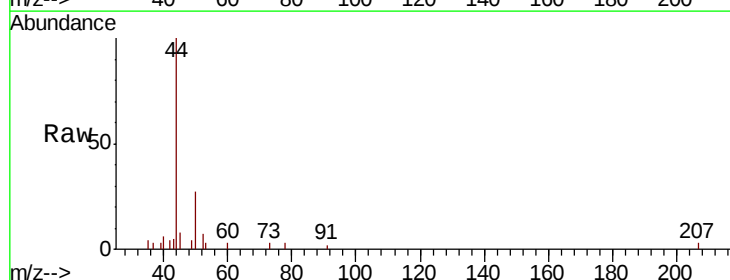
Acq: 11 Sep 2020 19:06

Tgt Ion: 50 Resp: 2784

Ion Ratio Lower Upper

50 100

52 26.9 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2000

1500

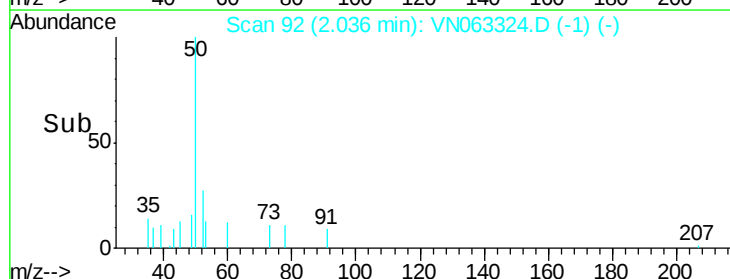
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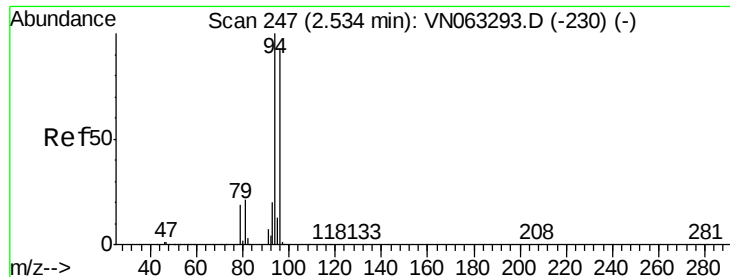
500

0

2.00 2.05

Time-->





#5

Bromomethane

Concen: 0.248 ug/l

RT: 2.54 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN063324.D

Acq: 11 Sep 2020 19:06

Instrument :

MSVOA_N

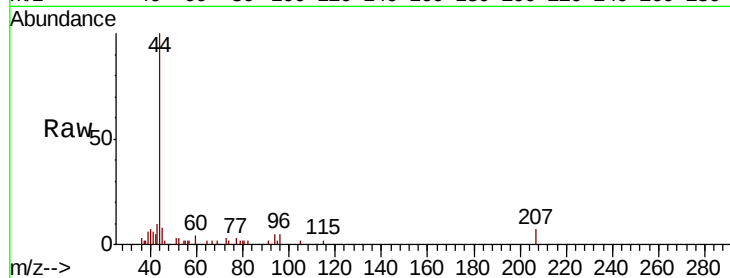
ClientSampleId :

Tot Ion: 94 Resp: 874

Ion Ratio Lower Upper

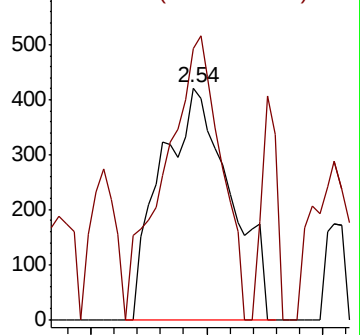
94 100

96 117.1 74.3 111.5#

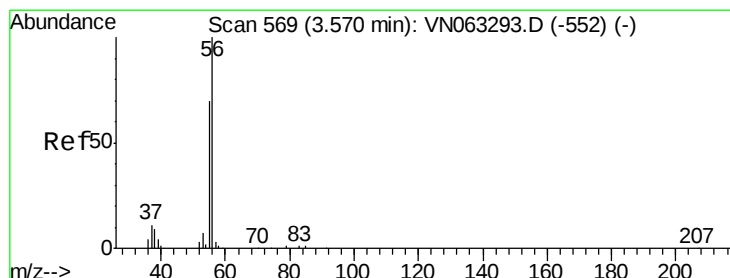
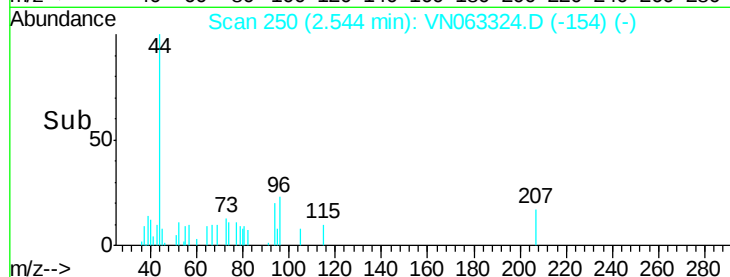


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#13

Acrolein

Concen: 32.592 ug/l

RT: 3.70 min Scan# 611

Delta R.T. 0.14 min

Lab File: VN063324.D

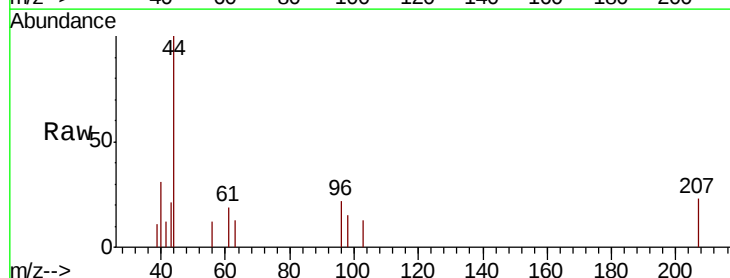
Acq: 11 Sep 2020 19:06

Tgt Ion: 56 Resp: 65

Ion Ratio Lower Upper

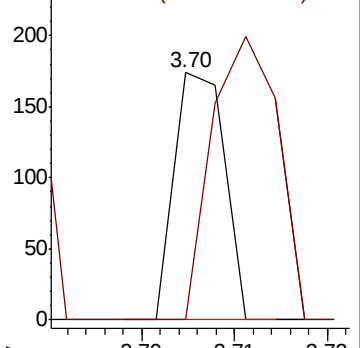
56 100

55 150.8 57.2 85.8#

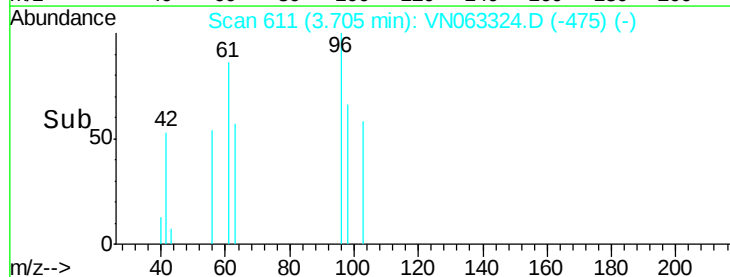


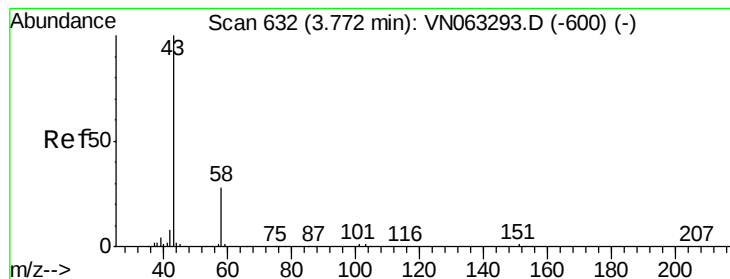
Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->





#16

Acetone

Concen: 0.333 ug/l

RT: 3.77 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN063324.D

Acq: 11 Sep 2020 19:06

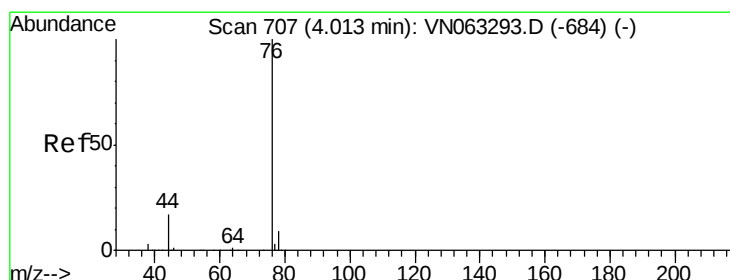
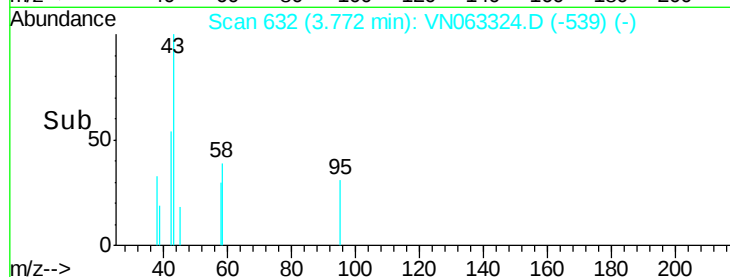
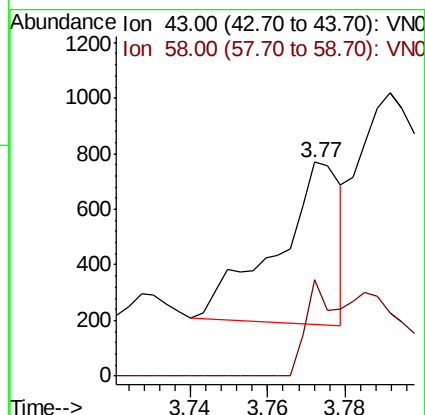
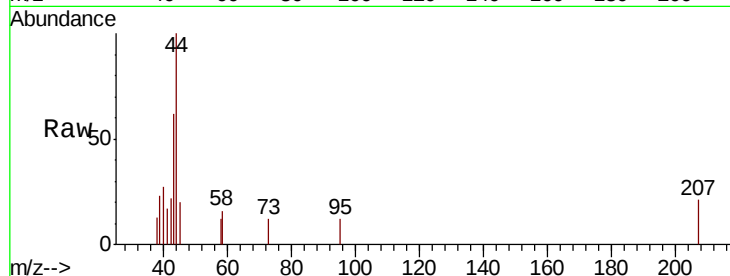
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 672

Ion Ratio Lower Upper

43 100

58 61.6 22.6 34.0#



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063324.D

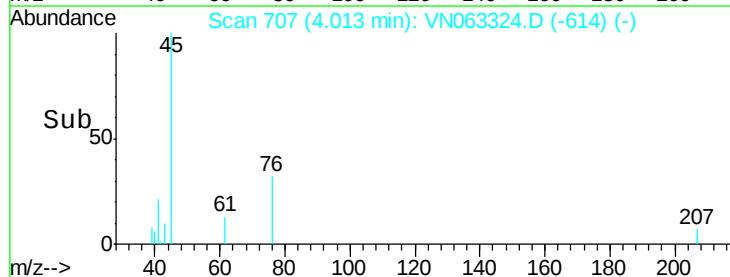
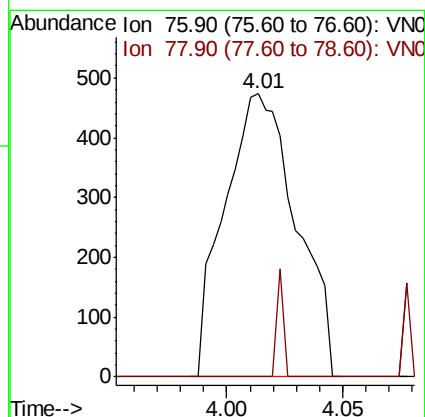
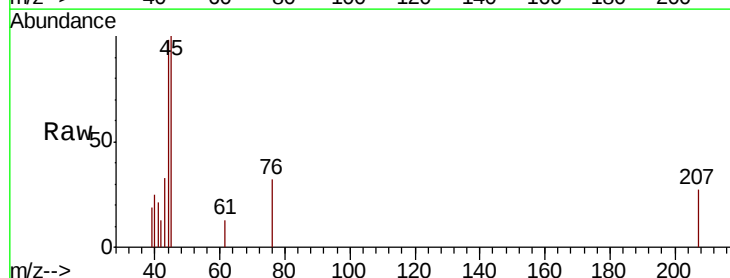
Acq: 11 Sep 2020 19:06

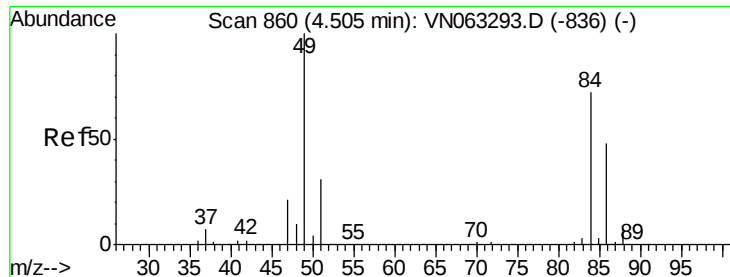
Tgt Ion: 76 Resp: 1019

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

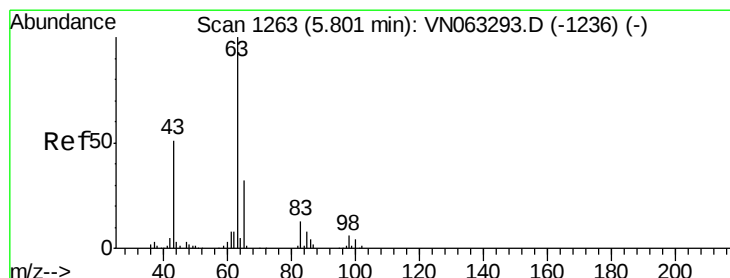
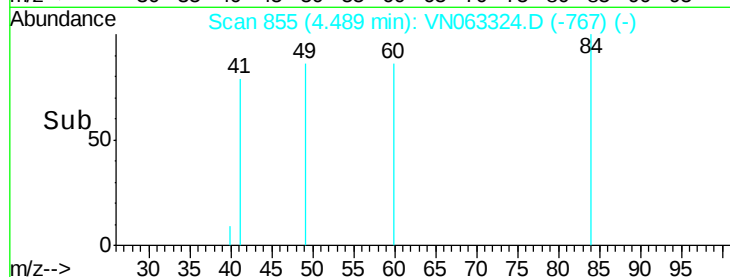
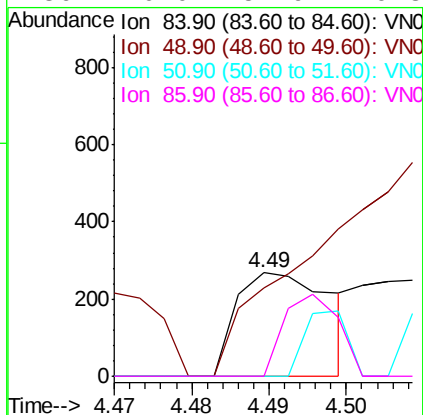
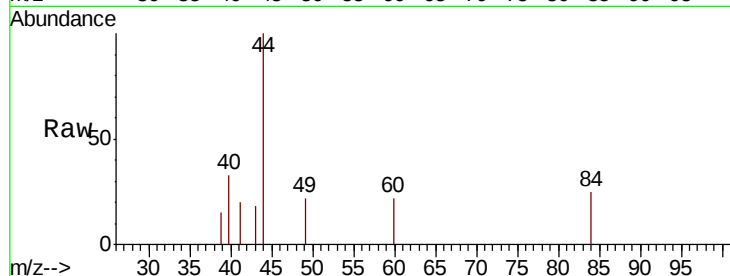




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.49 min Scan# 855
Delta R.T. -0.02 min
Lab File: VN063324.D
Acq: 11 Sep 2020 19:06

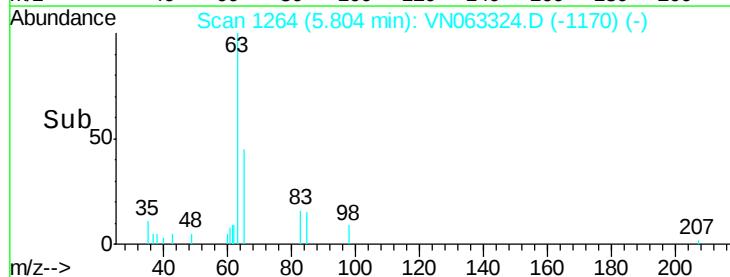
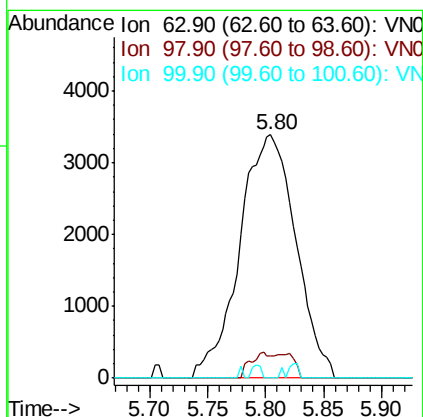
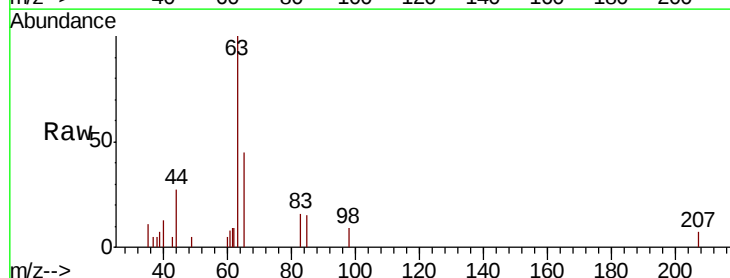
Instrument :
MSVOA_N
ClientSampled :

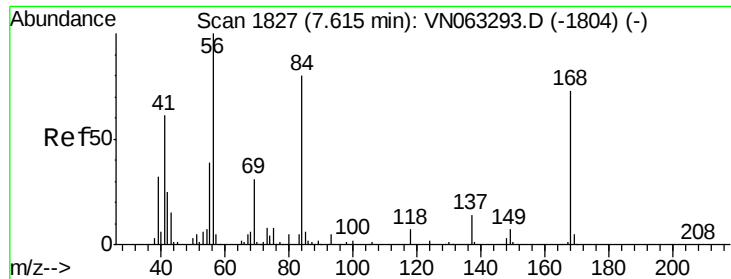
Tot Ion: 84 Resp: 226
Ion Ratio Lower Upper
84 100
49 85.8 111.1 166.7#
51 0.0 34.3 51.5#
86 0.0 52.9 79.3#



#24
1,1-Dichloroethane
Concen: 1.280 ug/l
RT: 5.80 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VN063324.D
Acq: 11 Sep 2020 19:06

Tgt Ion: 63 Resp: 11403
Ion Ratio Lower Upper
63 100
98 9.2 3.1 9.3
100 0.0 2.0 6.0#

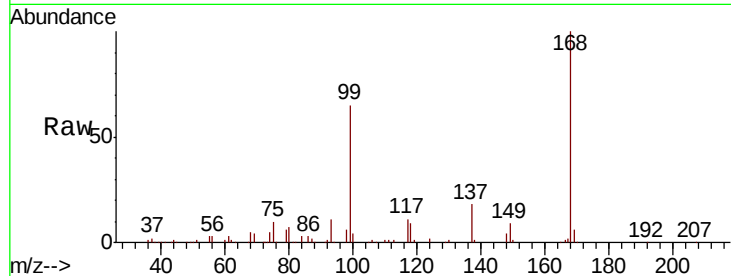




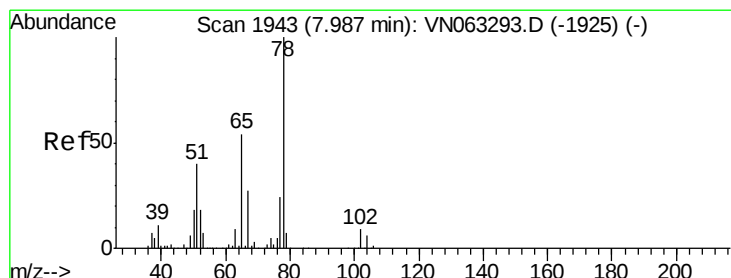
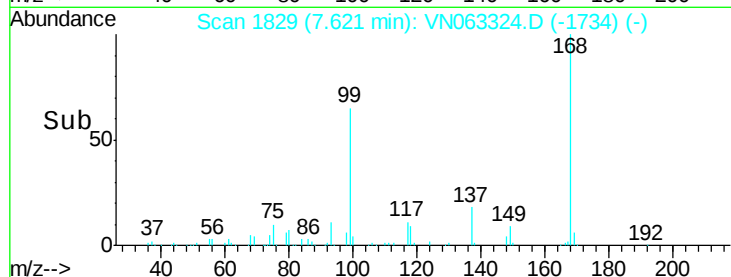
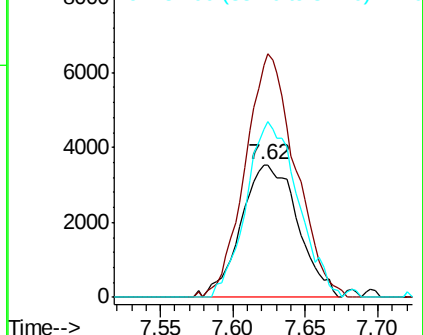
#31
Cyclohexane
Concen: 1.175 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN063324.D
Acq: 11 Sep 2020 19:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 9616
Ion Ratio Lower Upper
56 100
69 174.9 25.1 37.7#
84 126.3 64.2 96.2#

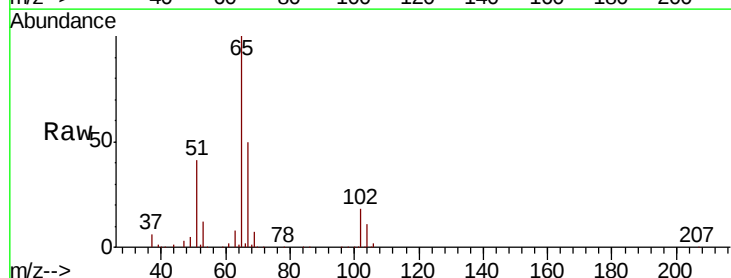


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

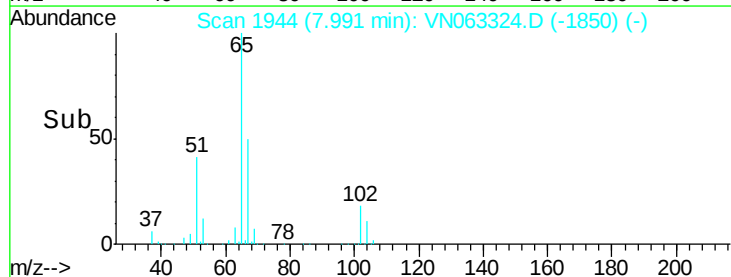
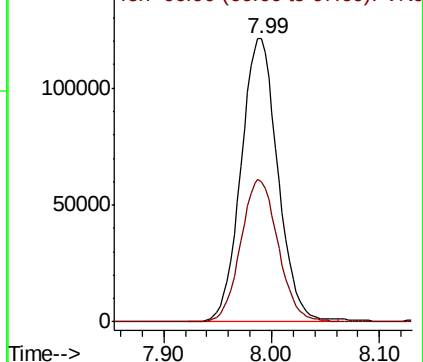


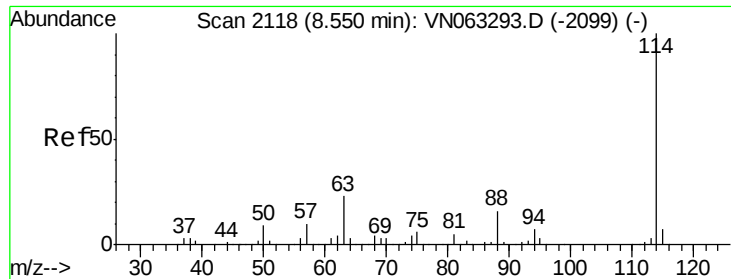
#33
1,2-Dichloroethane-d4
Concen: 49.265 ug/l
RT: 7.99 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN063324.D
Acq: 11 Sep 2020 19:06

Tgt Ion: 65 Resp: 287550
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

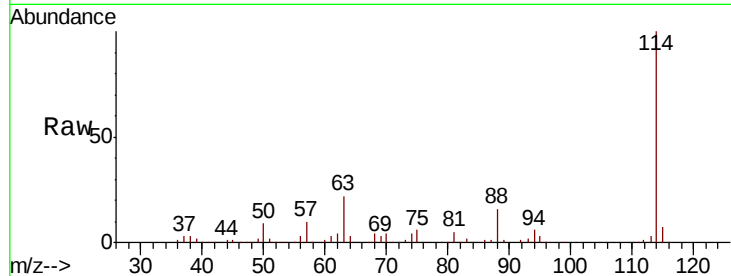




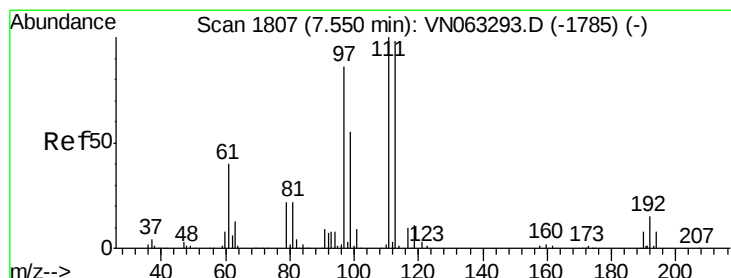
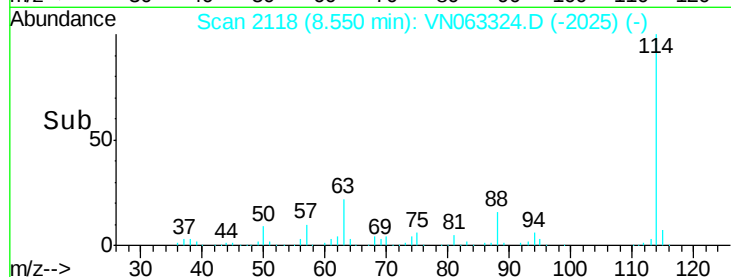
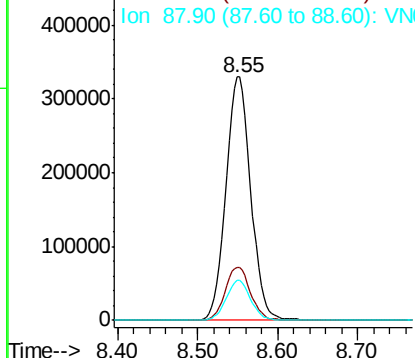
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063324.D
 Acq: 11 Sep 2020 19:06

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	46.0
88	16.4	0.0	32.8

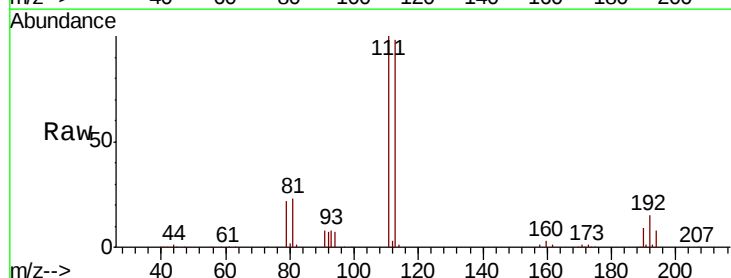


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

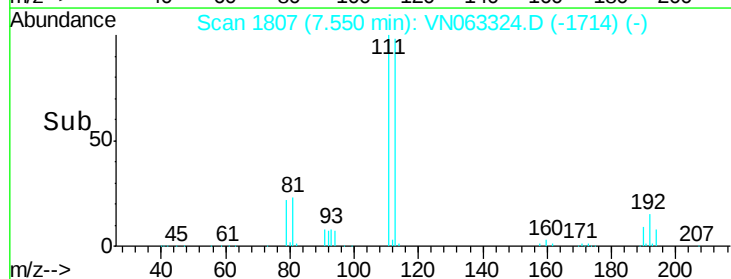
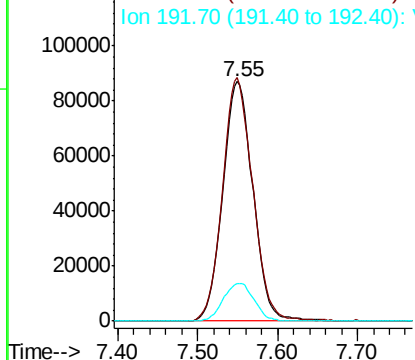


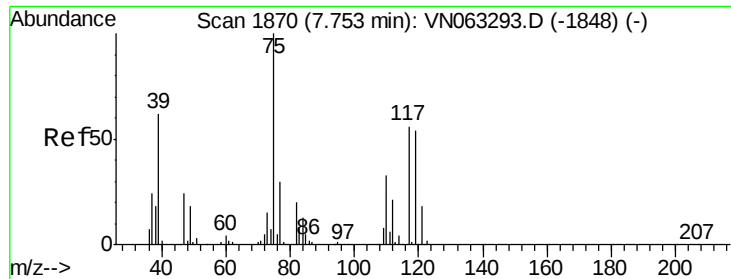
#35
 Dibromofluoromethane
 Concen: 49.580 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063324.D
 Acq: 11 Sep 2020 19:06

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.2	123.2
192	16.1	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

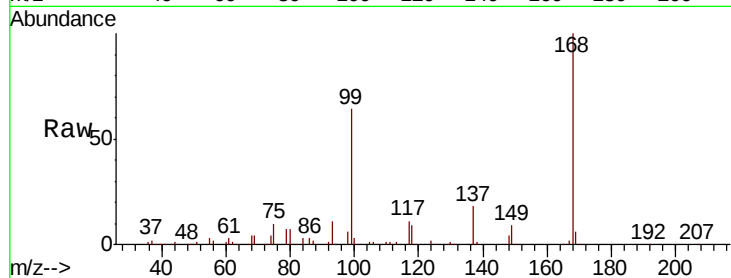




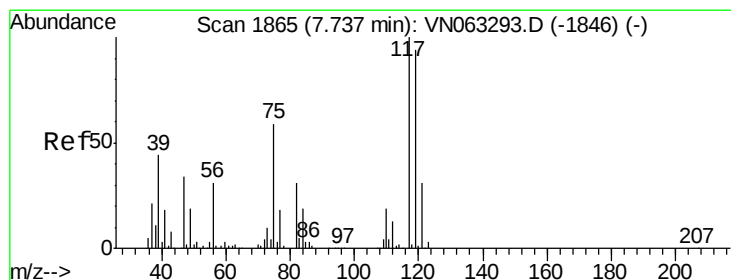
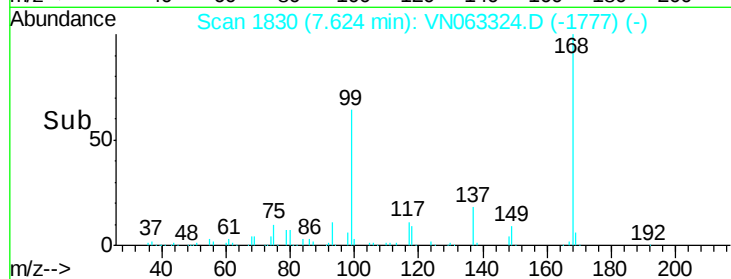
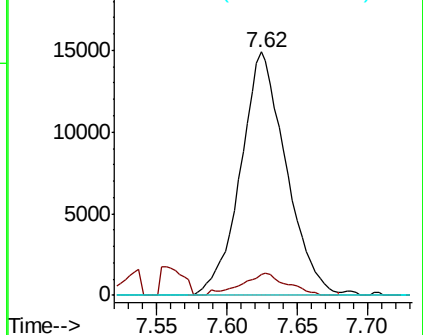
#36
 1,1-Dichloropropene
 Concen: 4.631 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN063324.D
 Acq: 11 Sep 2020 19:06

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	75	Resp	33456
Ion Ratio	100	Lower	Upper
110	9.0	16.4	49.4#
77	0.0	24.8	37.2#

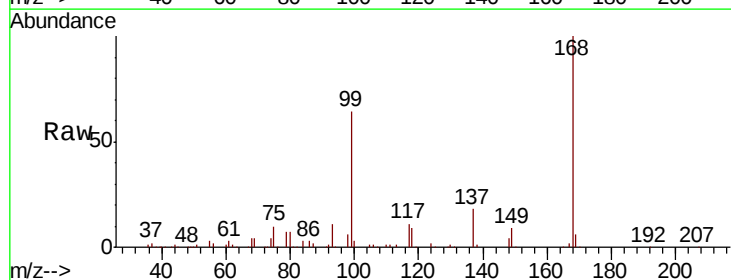


Abundance Ion 74.90 (74.60 to 75.60): VN063324.D (-1777) (-)
 Ion 109.90 (109.60 to 110.60): VN063324.D (-1777) (-)
 Ion 76.90 (76.60 to 77.60): VN063324.D (-1777) (-)

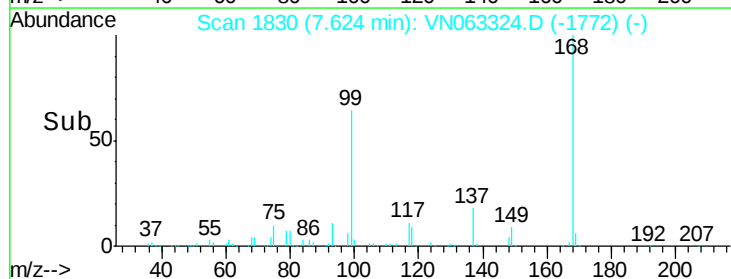
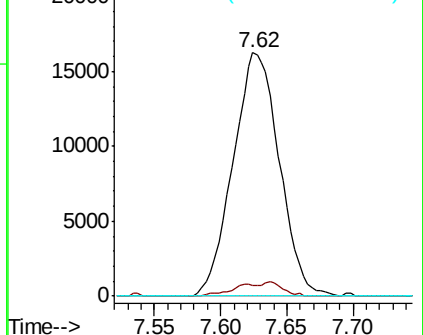


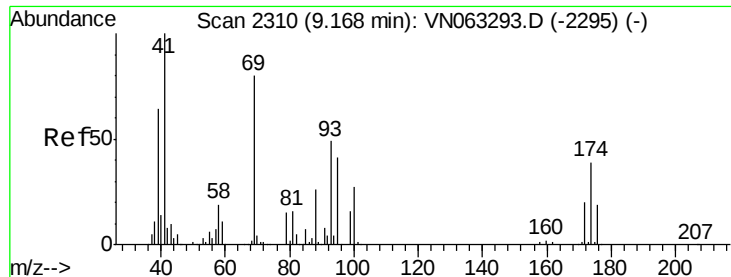
#38
 Carbon Tetrachloride
 Concen: 5.550 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN063324.D
 Acq: 11 Sep 2020 19:06

Tgt Ion	117	Resp	39464
Ion Ratio	100	Lower	Upper
119	4.4	75.3	112.9#
121	0.0	24.6	37.0#



Abundance Ion 116.80 (116.50 to 117.50): VN063324.D (-1772) (-)
 Ion 118.80 (118.50 to 119.50): VN063324.D (-1772) (-)
 Ion 120.80 (120.50 to 121.50): VN063324.D (-1772) (-)

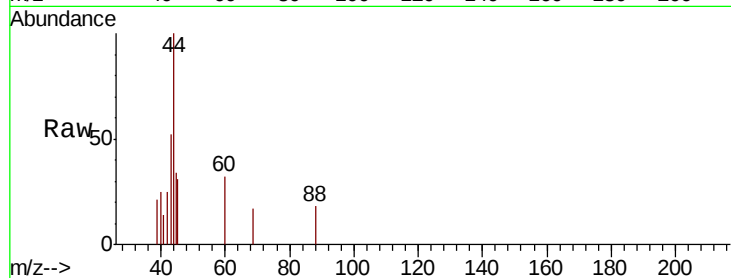




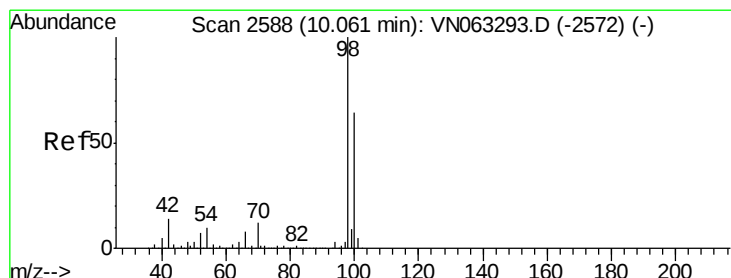
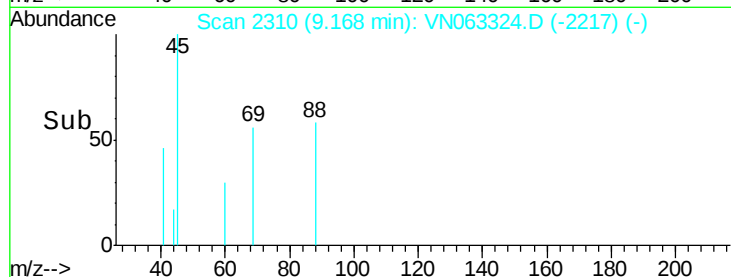
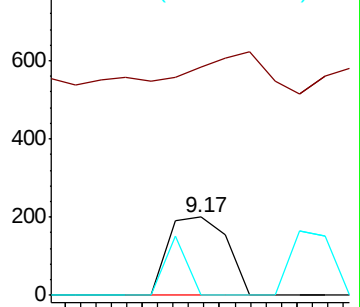
#49
 1,4-Dioxane
 Concen: 1.181 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN063324.D
 Acq: 11 Sep 2020 19:06

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 105
 Ion Ratio Lower Upper
 88 100
 43 78.1 30.5 45.7#
 58 27.6 58.9 88.3#

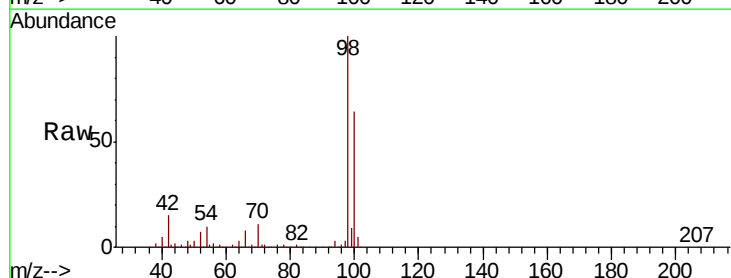


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

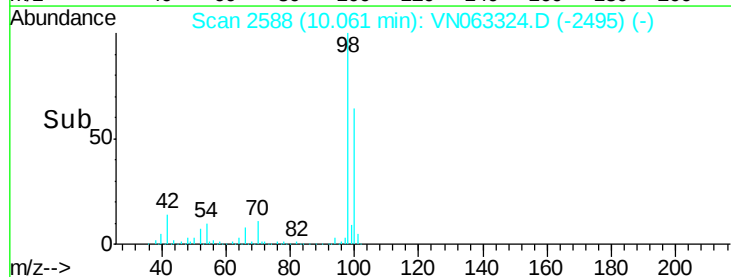
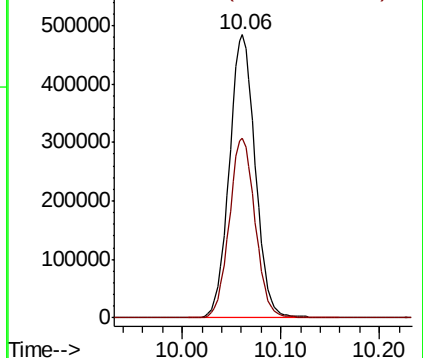


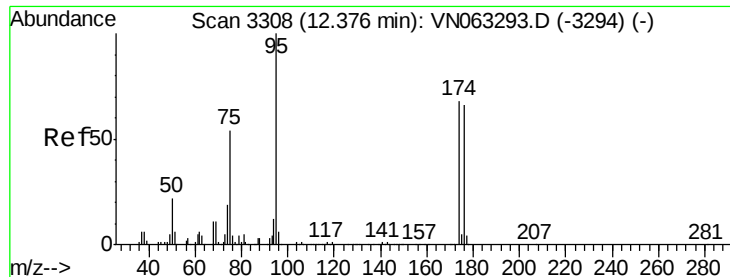
#50
 Toluene-d8
 Concen: 51.165 ug/l
 RT: 10.06 min Scan# 2588
 Delta R.T. 0.00 min
 Lab File: VN063324.D
 Acq: 11 Sep 2020 19:06

Tgt Ion: 98 Resp: 889031
 Ion Ratio Lower Upper
 98 100
 100 63.5 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: 51.068 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063324.D

Acq: 11 Sep 2020 19:06

Instrument :

MSVOA_N

ClientSampled :

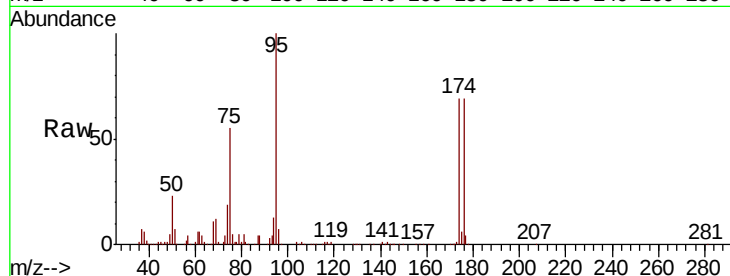
Tot Ion: 95 Resp: 327741

Ion Ratio Lower Upper

95 100

174 70.0 0.0 136.6

176 69.1 0.0 132.8



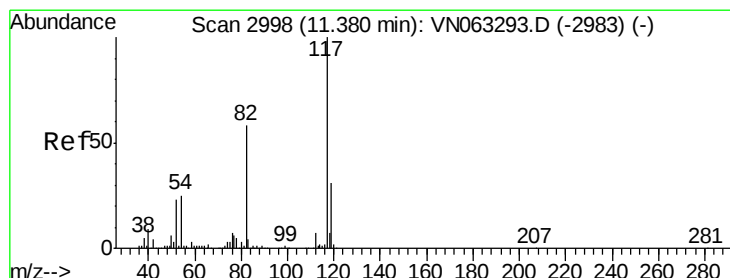
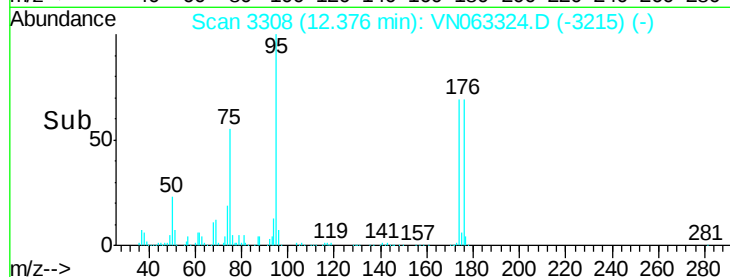
Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0

12.38

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063324.D

Acq: 11 Sep 2020 19:06

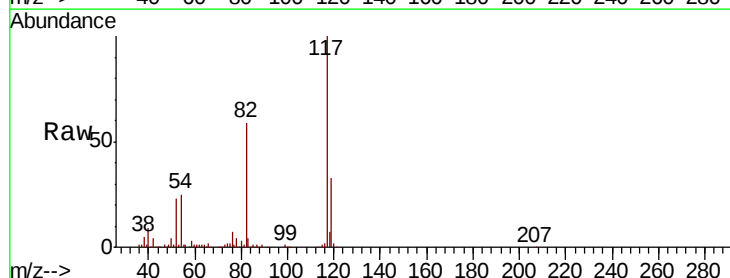
Tgt Ion: 117 Resp: 674287

Ion Ratio Lower Upper

117 100

82 58.6 46.4 69.6

119 32.7 24.8 37.2



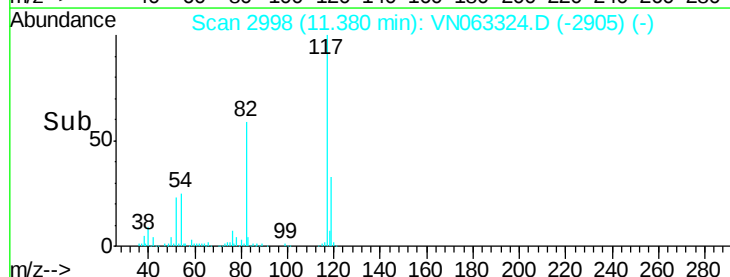
Abundance Ion 116.90 (116.60 to 117.60): VN0

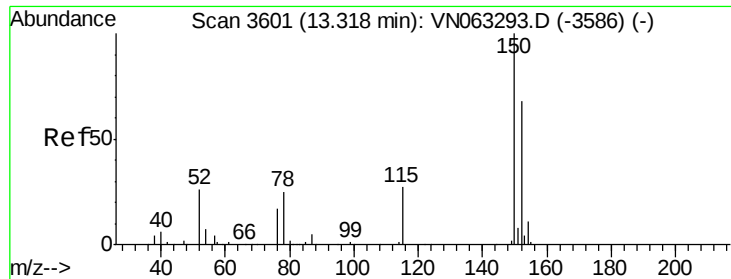
Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

11.38

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN063324.D

Acq: 11 Sep 2020 19:06

Instrument :

MSVOA_N

ClientSampleId :

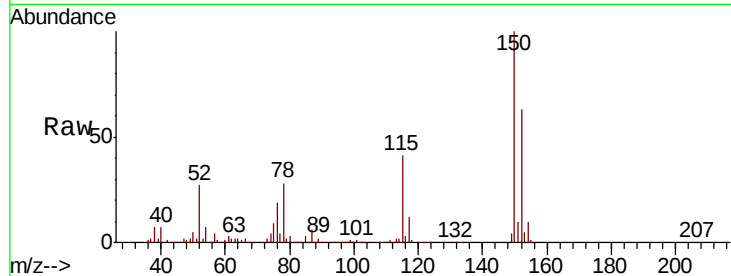
Tot Ion:152 Resp: 272742

Ion Ratio Lower Upper

152 100

115 65.0 31.5 94.5

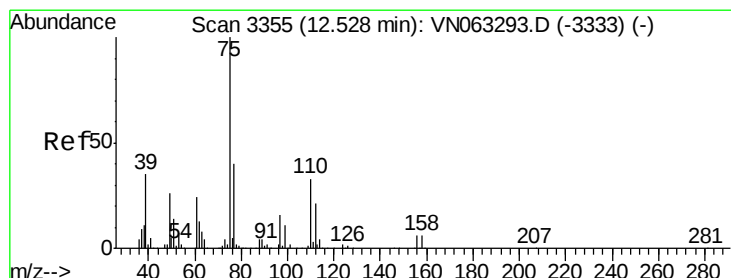
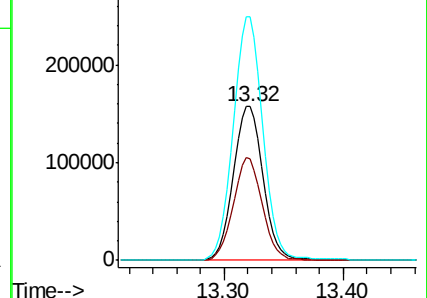
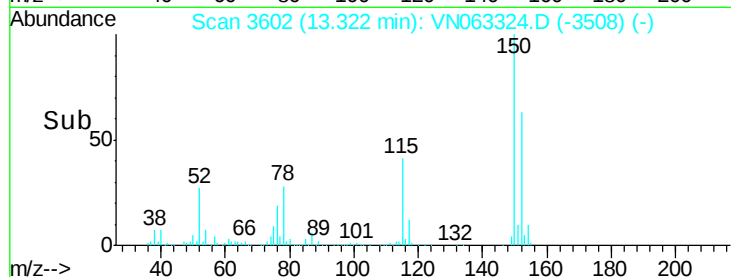
150 157.4 0.0 344.0



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: 29.727 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063324.D

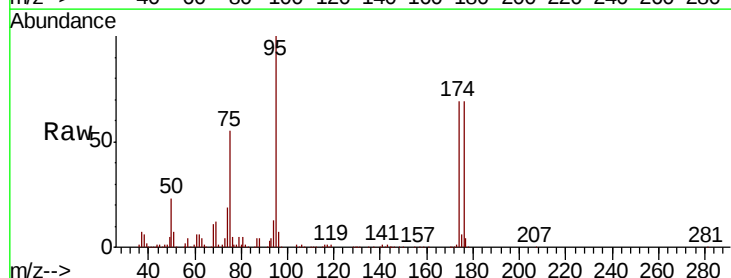
Acq: 11 Sep 2020 19:06

Tgt Ion: 75 Resp: 178868

Ion Ratio Lower Upper

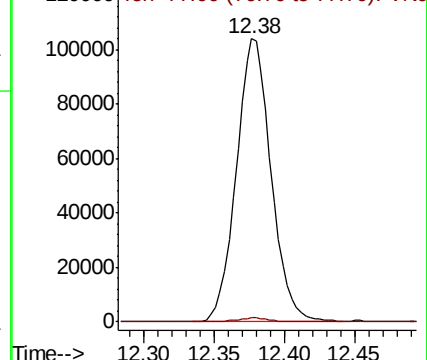
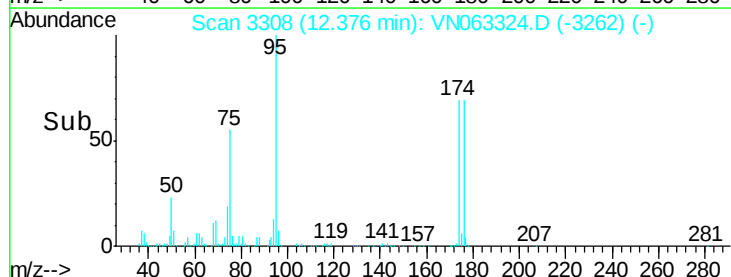
75 100

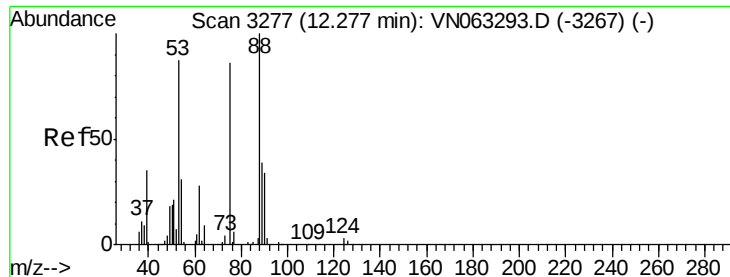
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

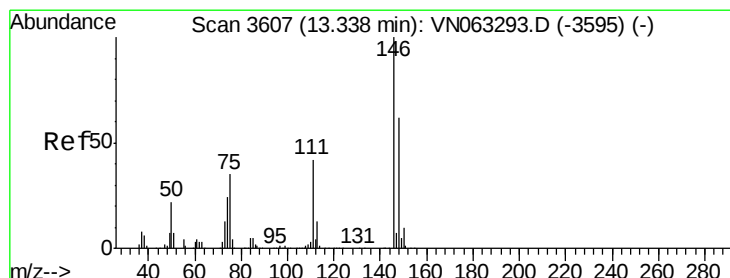
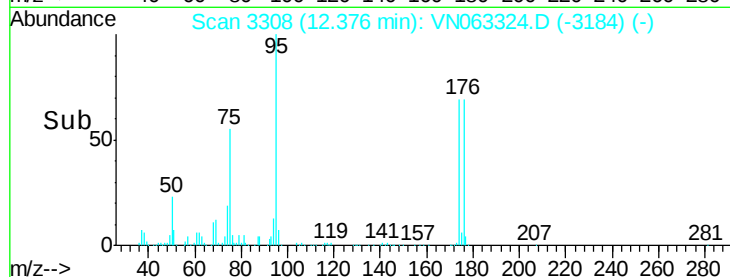
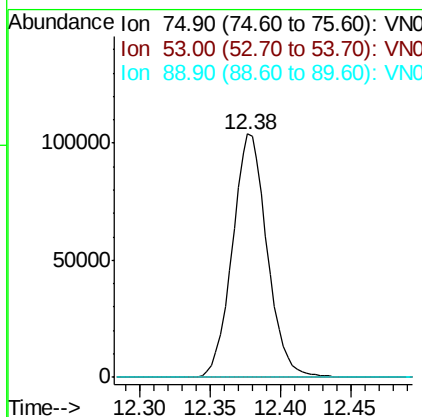
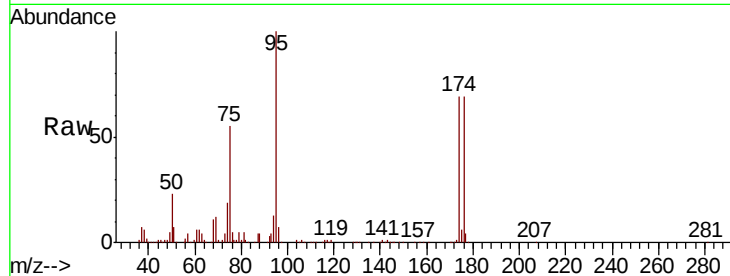




#81
trans-1,4-Dichloro-2-butene
Concen: 79.870 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN063324.D
Acq: 11 Sep 2020 19:06

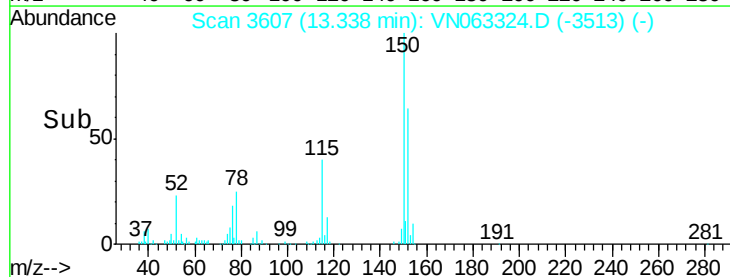
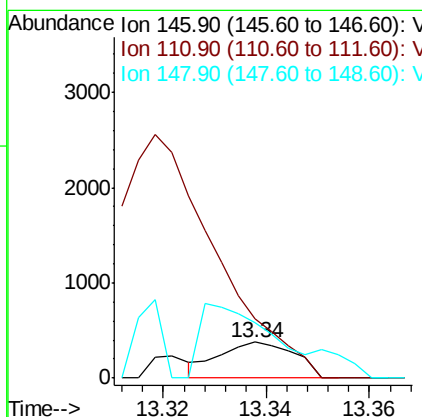
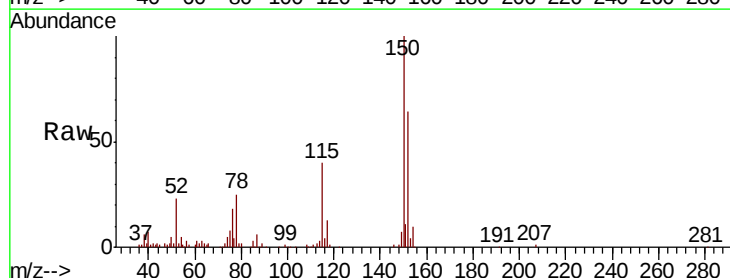
Instrument :
MSVOA_N
ClientSampled :

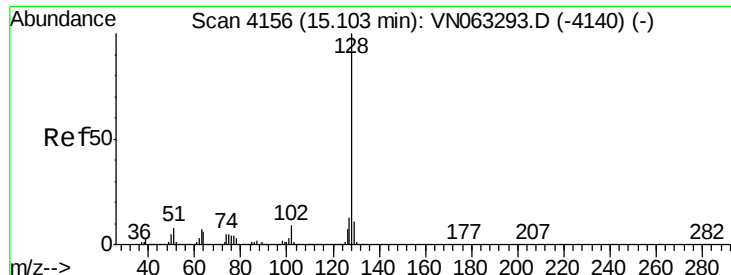
Tot Ion: 75 Resp: 178868
Ion Ratio Lower Upper
75 100
53 0.0 81.8 122.8#
89 0.0 36.7 55.1#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.34 min Scan# 3607
Delta R.T. 0.00 min
Lab File: VN063324.D
Acq: 11 Sep 2020 19:06

Tgt Ion: 146 Resp: 383
Ion Ratio Lower Upper
146 100
111 0.0 21.3 64.0#
148 226.9 31.5 94.5#

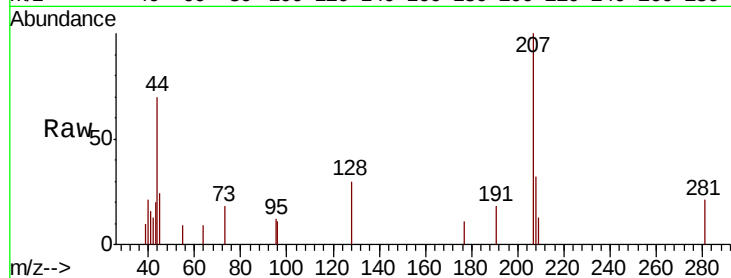




#95
Naphthalene
Concen: Below Cal
RT: 15.11 min Scan# 4158
Delta R.T. 0.01 min
Lab File: VN063324.D
Acq: 11 Sep 2020 19:06

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 903
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 3.7 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

