

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091120\
 Data File : VN063325.D
 Acq On : 11 Sep 2020 19:30
 Operator : JC/MD
 Sample : L3987-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 12 00:43:54 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	374079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	700003	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	680805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	285251	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	287147	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
35) Dibromofluoromethane	7.55	113	224891	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
50) Toluene-d8	10.06	98	890789	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
62) 4-Bromofluorobenzene	12.38	95	333435	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	

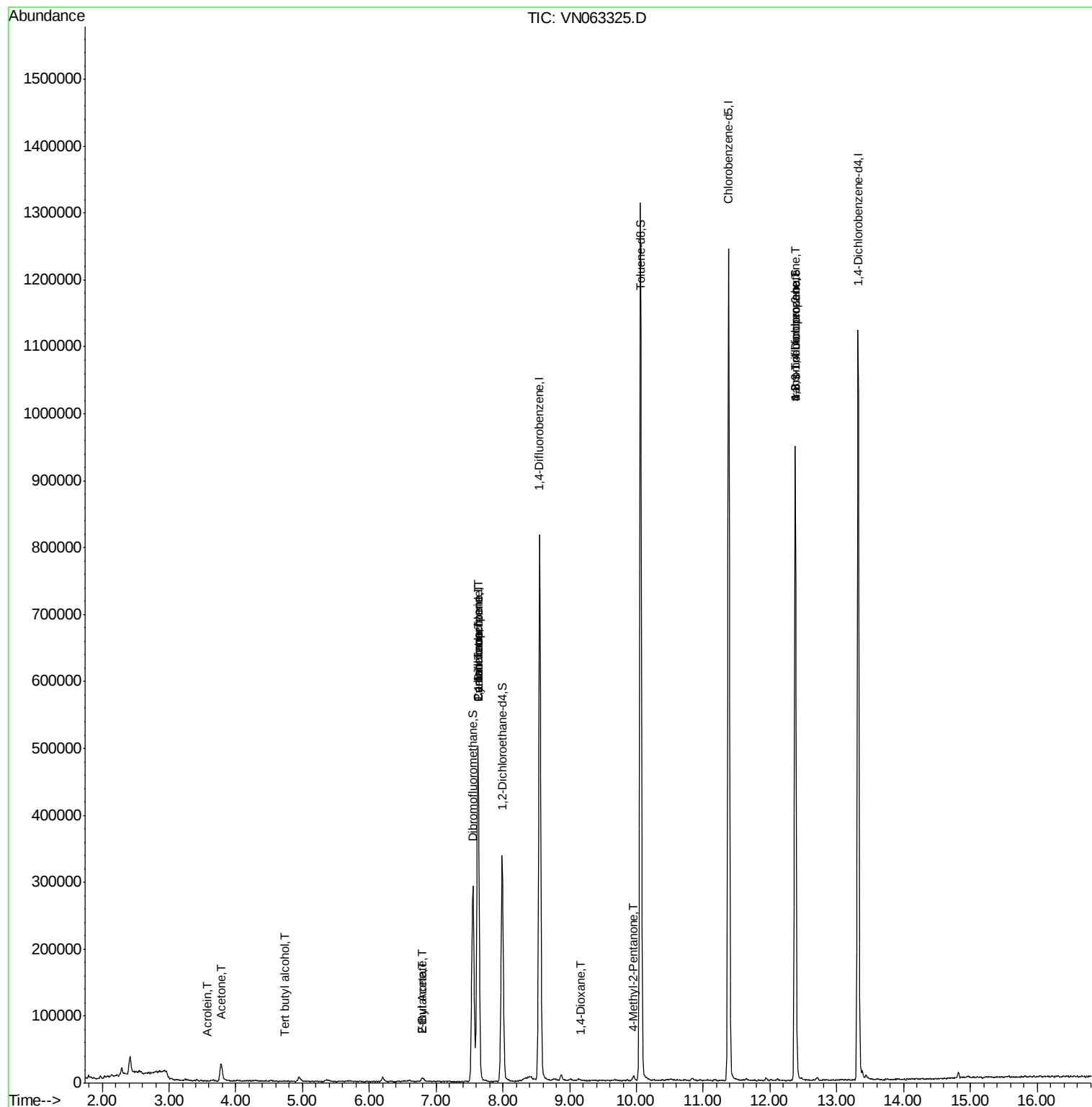
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1860	Below Cal		97
11) Tert butyl alcohol	4.73	59	353	0.454 ug/l #		72
13) Acrolein	3.58	56	132	32.729 ug/l #		1
16) Acetone	3.78	43	46144	22.737 ug/l		98
17) Carbon Disulfide	4.02	76	356	Below Cal #		75
20) Methylene Chloride	4.51	84	611	Below Cal #		68
25) 2-Butanone	6.79	43	9759	3.255 ug/l #		86
31) Cyclohexane	7.63	56	10166	1.233 ug/l #		7
36) 1,1-Dichloropropene	7.63	75	33868	4.707 ug/l #		51
37) Ethyl Acetate	6.79	43	9759	1.379 ug/l #		71
38) Carbon Tetrachloride	7.62	117	39968	5.644 ug/l #		16
49) 1,4-Dioxane	9.18	88	31	0.350 ug/l #		1
51) 4-Methyl-2-Pentanone	9.96	43	6331	0.958 ug/l		90
76) 1,2,3-Trichloropropane	12.38	75	179651	28.547 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.38	75	179651	76.702 ug/l #		9
88) 1,4-Dichlorobenzene	13.35	146	60	Below Cal #		25
95) Naphthalene	15.12	128	1269	Below Cal #		76

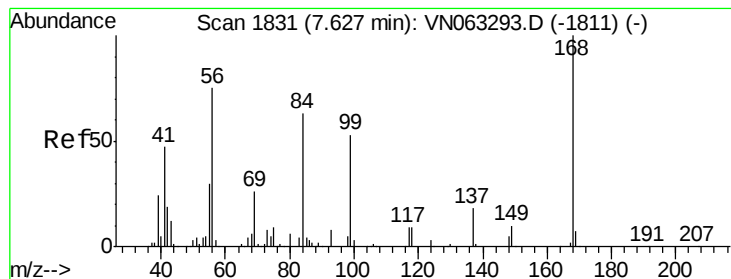
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063325.D

Acq: 11 Sep 2020 19:30

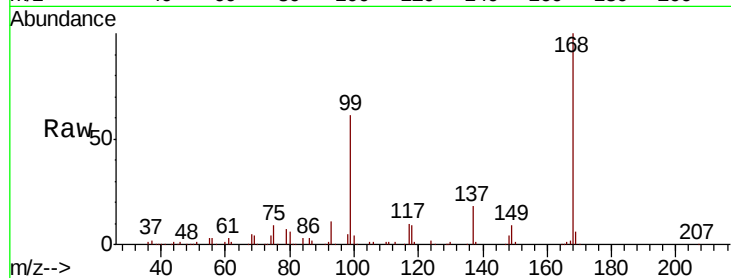
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 374079

Ion Ratio Lower Upper

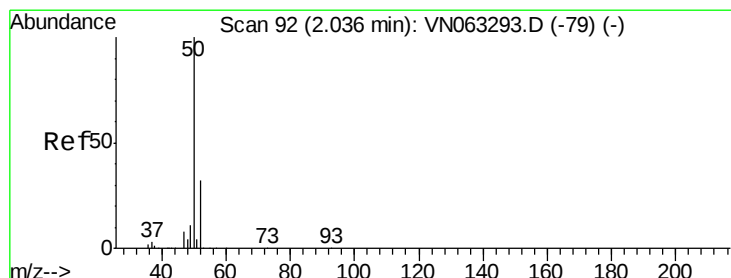
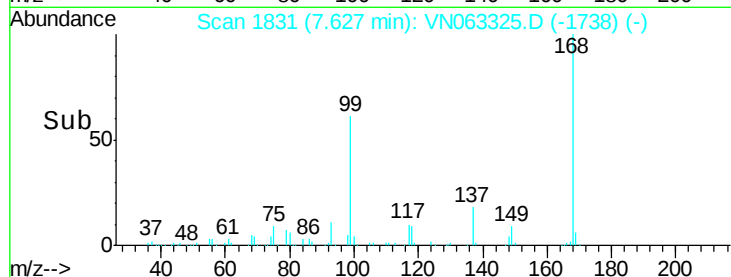
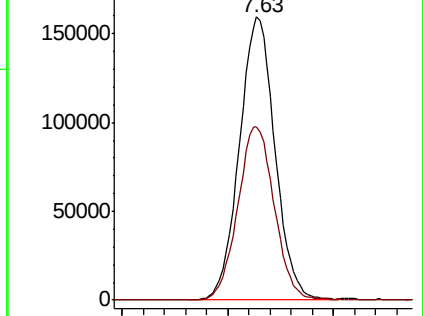
168 100

99 61.4 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063325.D

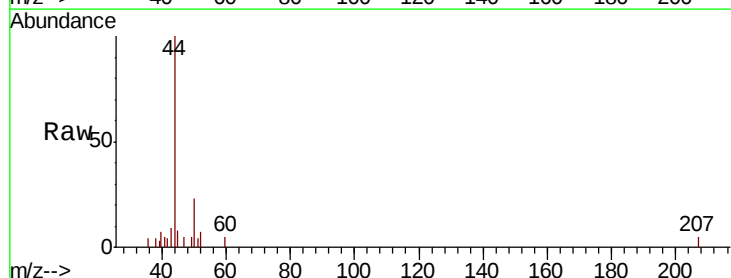
Acq: 11 Sep 2020 19:30

Tgt Ion: 50 Resp: 1860

Ion Ratio Lower Upper

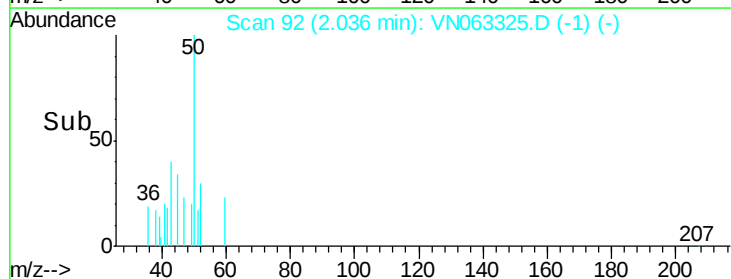
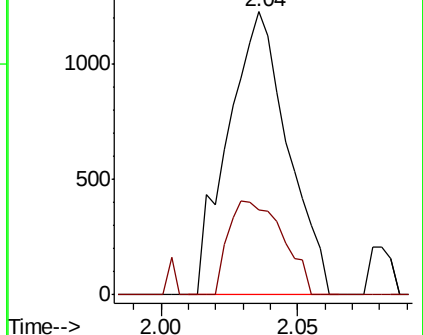
50 100

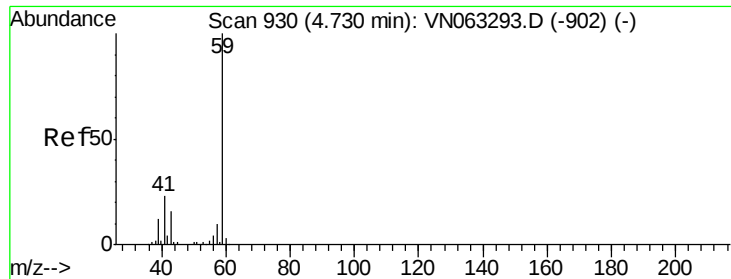
52 30.1 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

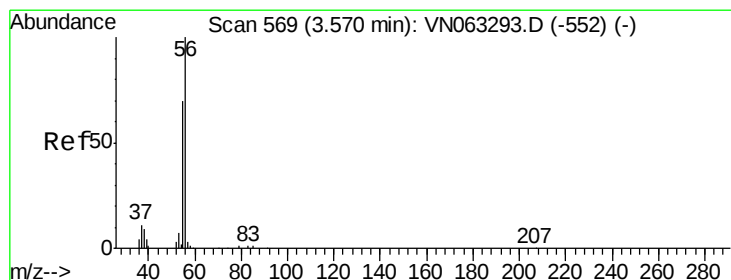
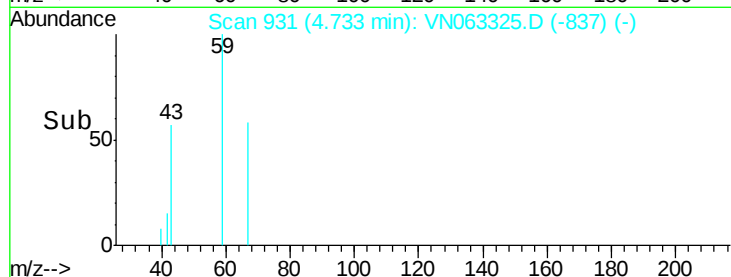
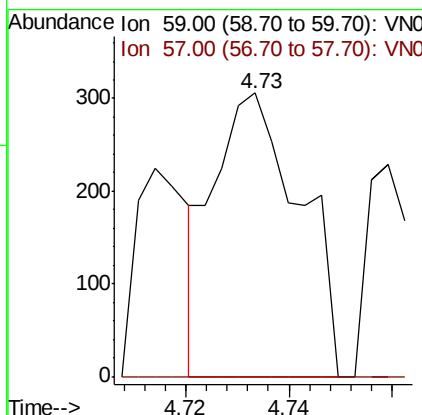
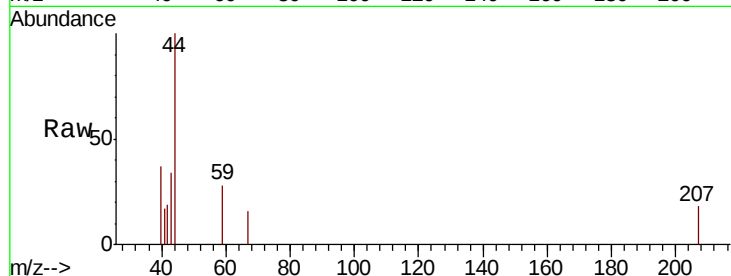




#11
Tert butyl alcohol
Concen: 0.454 ug/l
RT: 4.73 min Scan# 931
Delta R.T. 0.00 min
Lab File: VN063325.D
Acq: 11 Sep 2020 19:30

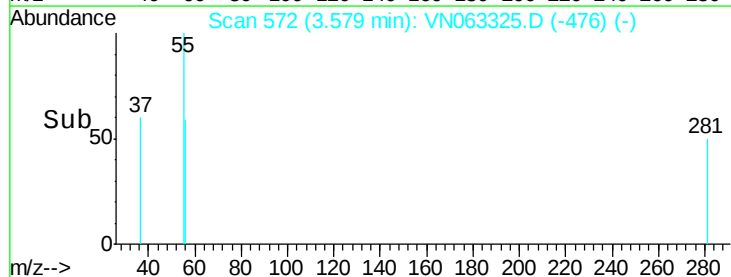
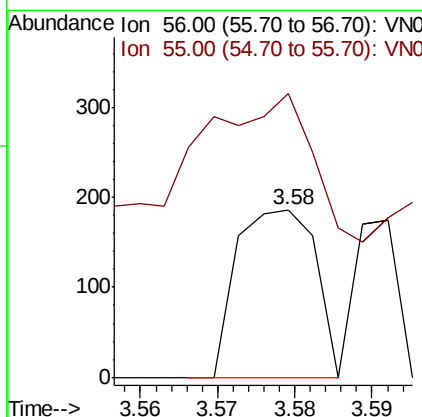
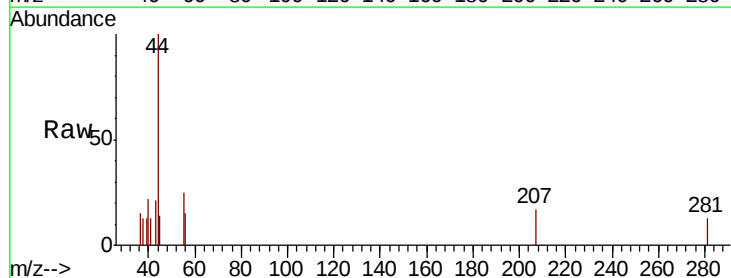
Instrument :
MSVOA_N
ClientSampled :

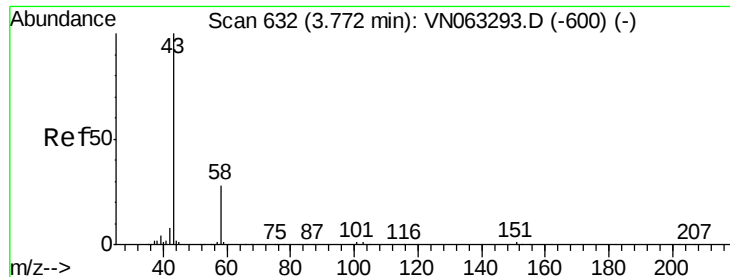
Tot Ion: 59 Resp: 353
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 32.729 ug/l
RT: 3.58 min Scan# 572
Delta R.T. 0.01 min
Lab File: VN063325.D
Acq: 11 Sep 2020 19:30

Tgt Ion: 56 Resp: 132
Ion Ratio Lower Upper
56 100
55 375.8 57.2 85.8#





#16

Acetone

Concen: 22.737 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN063325.D

Acq: 11 Sep 2020 19:30

Instrument :

MSVOA_N

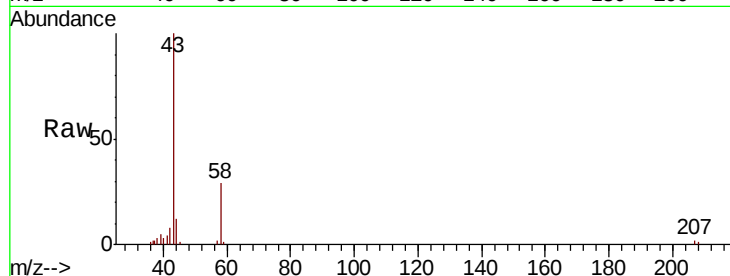
ClientSampled :

Tot Ion: 43 Resp: 46144

Ion Ratio Lower Upper

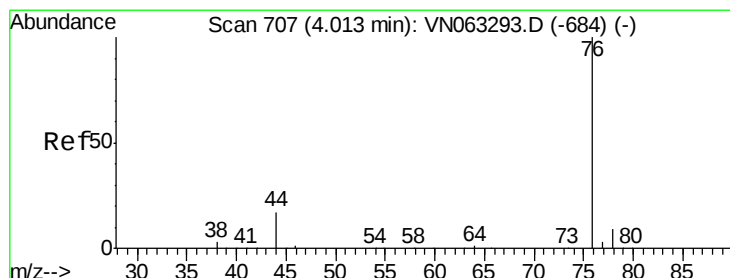
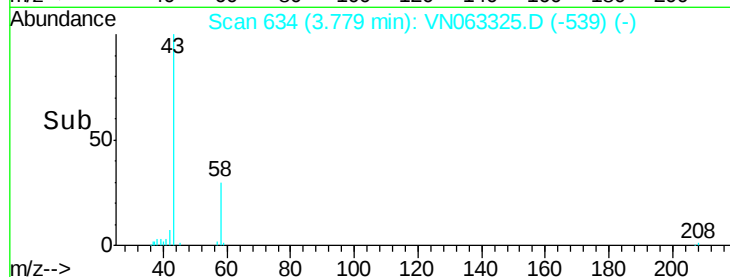
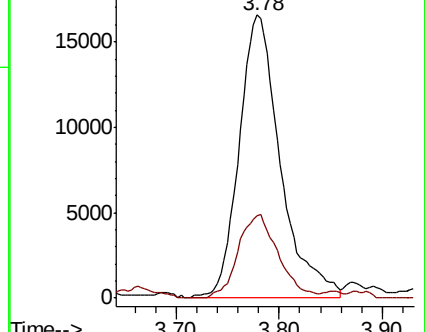
43 100

58 29.2 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VN063325.D (-539) (-)

Ion 58.00 (57.70 to 58.70): VN063325.D (-539) (-)



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.02 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN063325.D

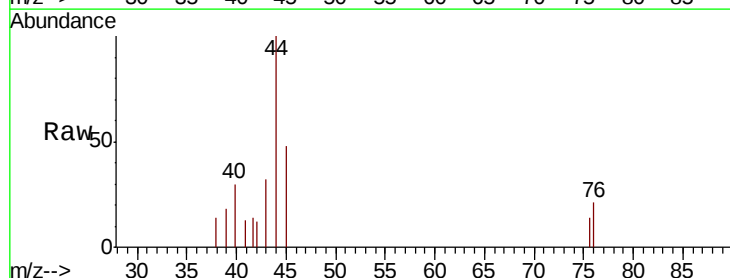
Acq: 11 Sep 2020 19:30

Tgt Ion: 76 Resp: 356

Ion Ratio Lower Upper

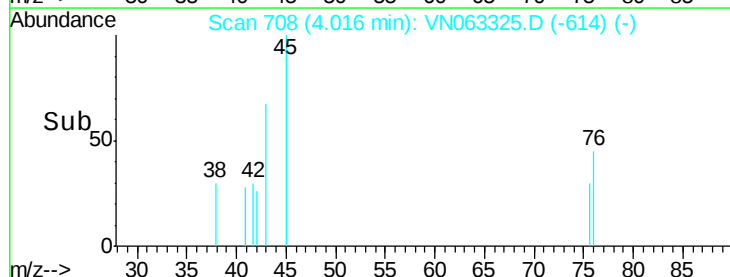
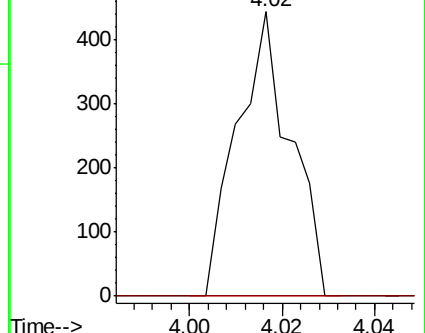
76 100

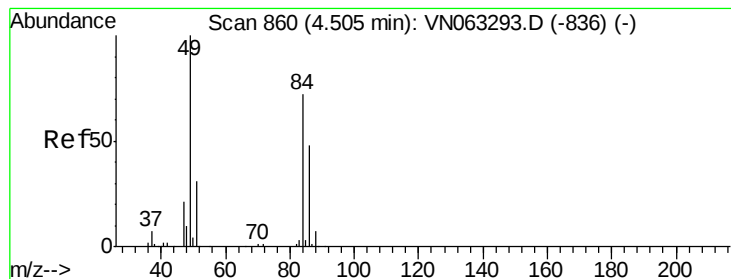
78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN063325.D (-614) (-)

Ion 77.90 (77.60 to 78.60): VN063325.D (-614) (-)





#20

Methylene Chloride

Concen: Below Cal

RT: 4.51 min Scan# 862

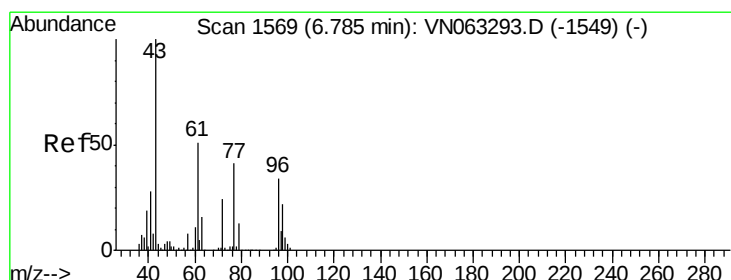
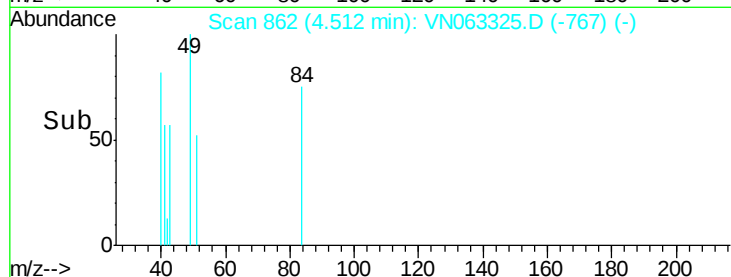
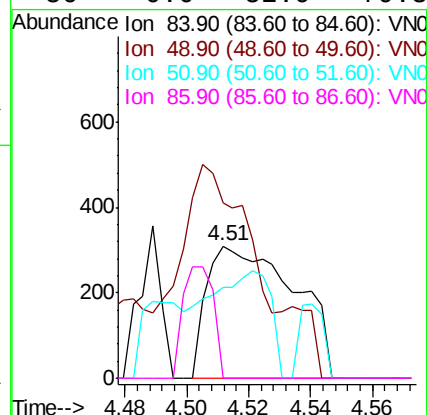
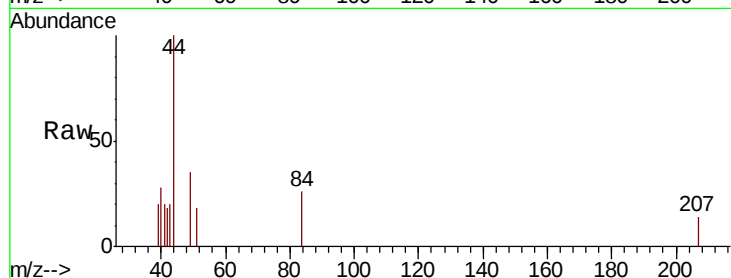
Delta R.T. 0.01 min

Lab File: VN063325.D

Acq: 11 Sep 2020 19:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	84	Resp:	611
Ion	Ratio	Lower	Upper
84	100		
49	133.0	111.1	166.7
51	68.6	34.3	51.5#
86	0.0	52.9	79.3#



#25

2-Butanone

Concen: 3.255 ug/l

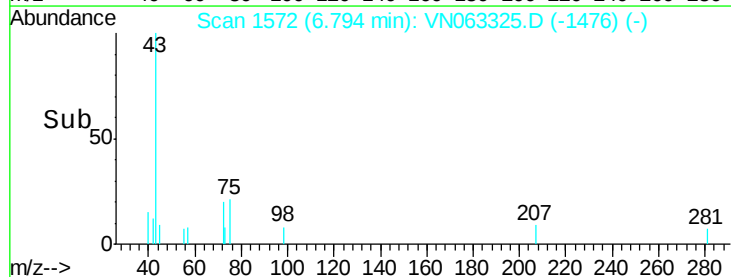
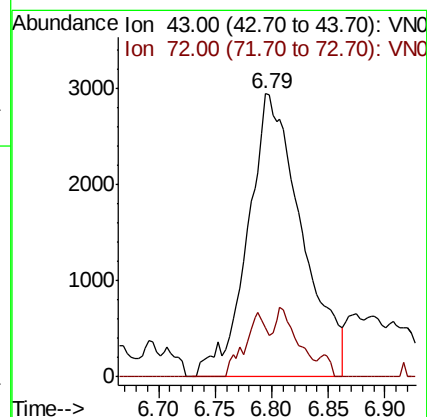
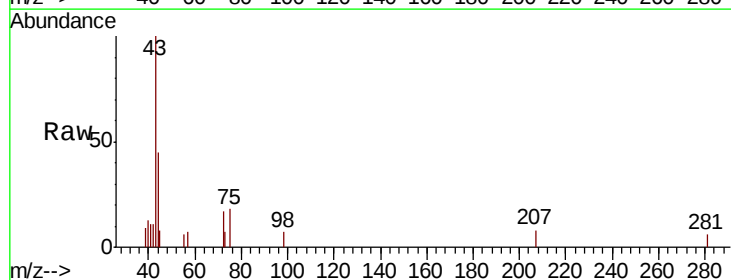
RT: 6.79 min Scan# 1572

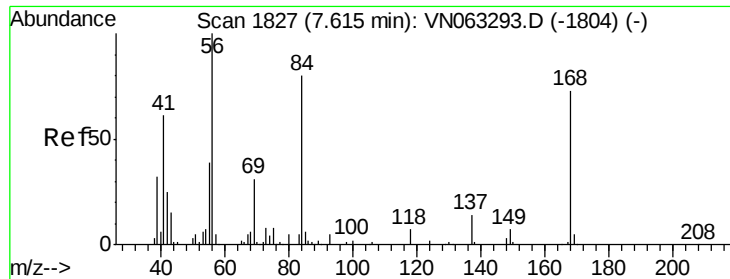
Delta R.T. 0.01 min

Lab File: VN063325.D

Acq: 11 Sep 2020 19:30

Tgt Ion:	43	Resp:	9759
Ion	Ratio	Lower	Upper
43	100		
72	17.3	19.4	29.2#

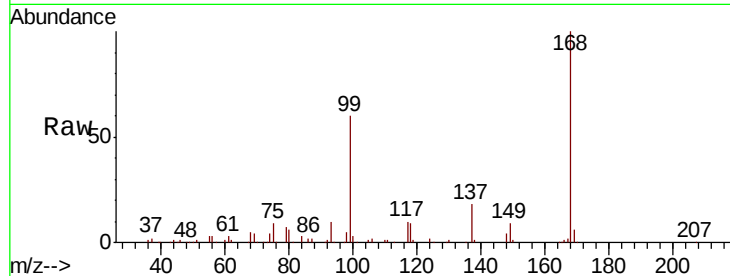




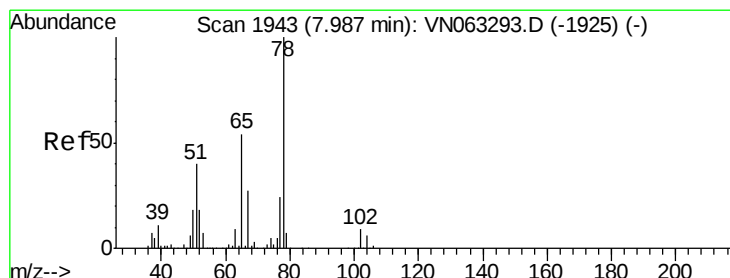
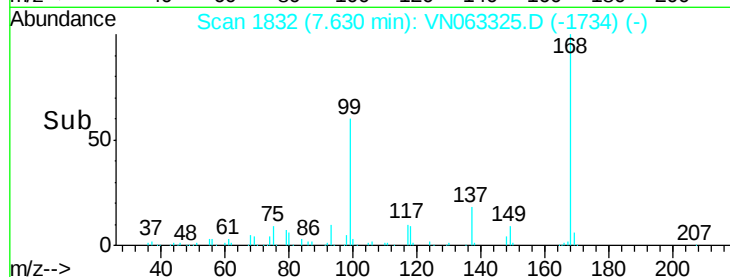
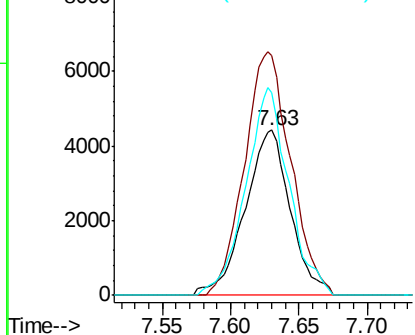
#31
Cyclohexane
Concen: 1.233 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN063325.D
Acq: 11 Sep 2020 19:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 10166
Ion Ratio Lower Upper
56 100
69 145.4 25.1 37.7#
84 123.0 64.2 96.2#

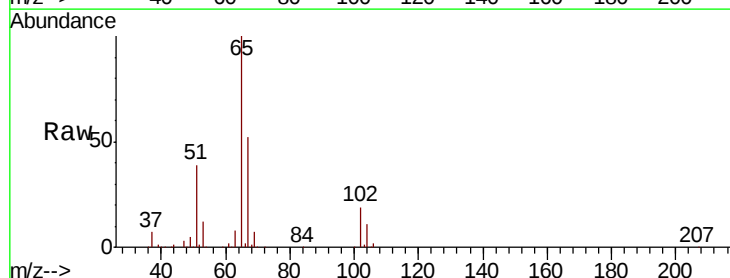


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

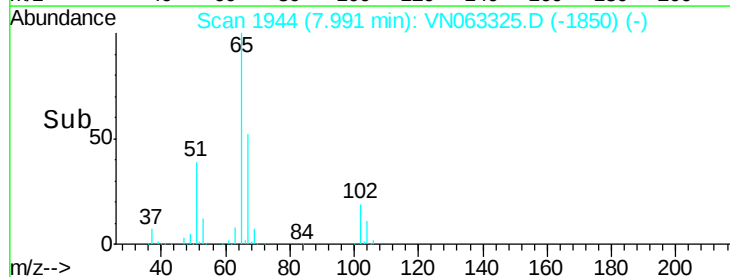
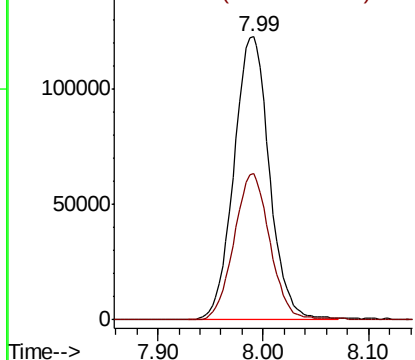


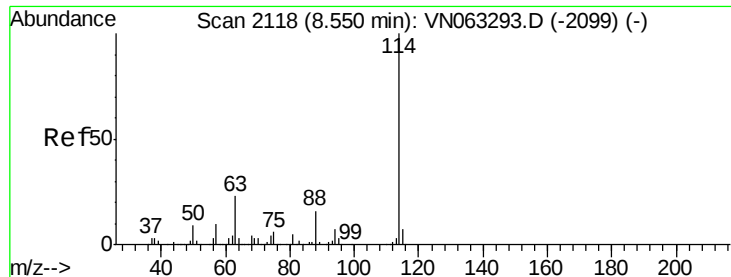
#33
1,2-Dichloroethane-d4
Concen: 48.857 ug/l
RT: 7.99 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN063325.D
Acq: 11 Sep 2020 19:30

Tgt Ion: 65 Resp: 287147
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.6



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

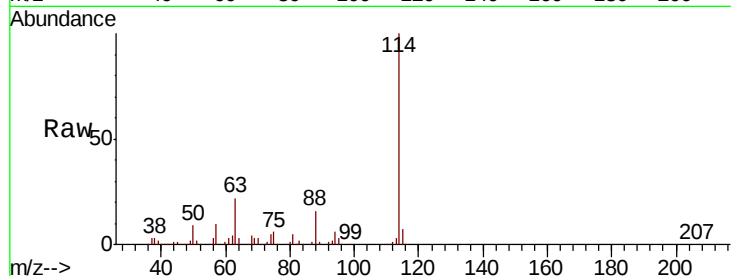




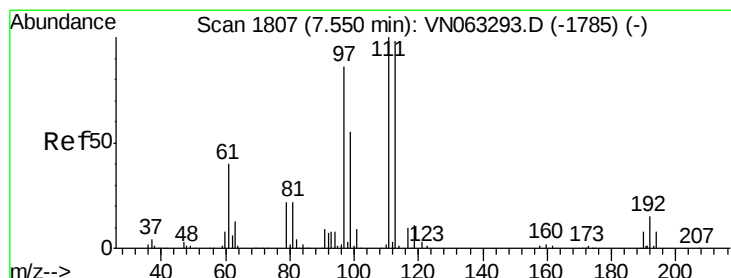
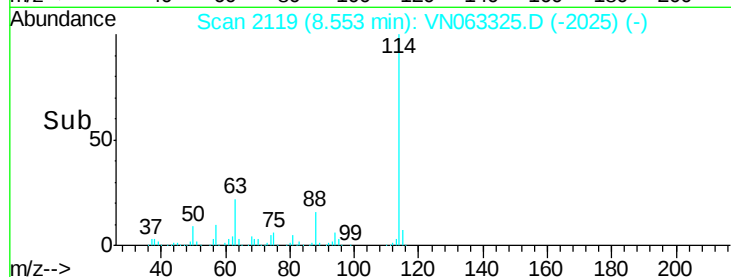
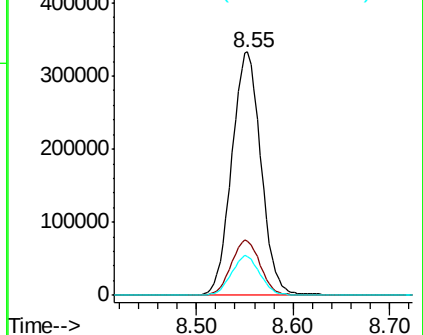
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN063325.D
 Acq: 11 Sep 2020 19:30

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	46.0
88	16.0	0.0	32.8

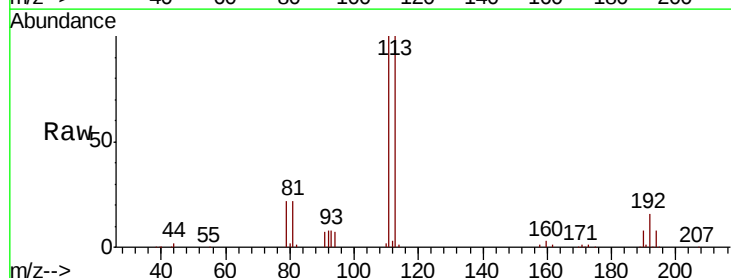


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

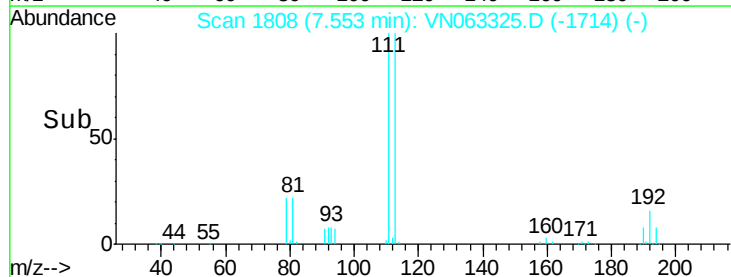
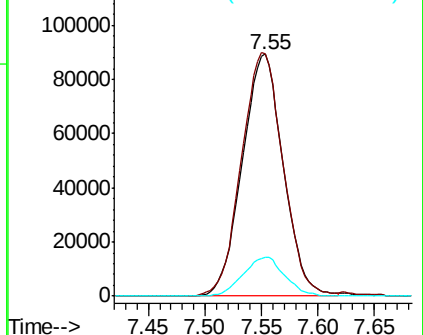


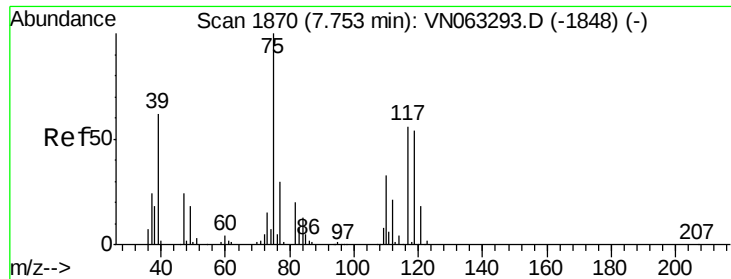
#35
 Dibromofluoromethane
 Concen: 49.800 ug/l
 RT: 7.55 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN063325.D
 Acq: 11 Sep 2020 19:30

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.2	123.2
192	16.2	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

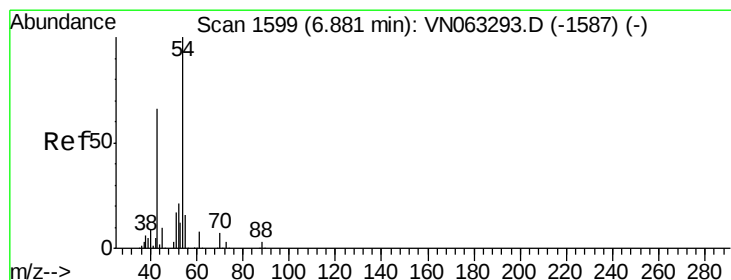
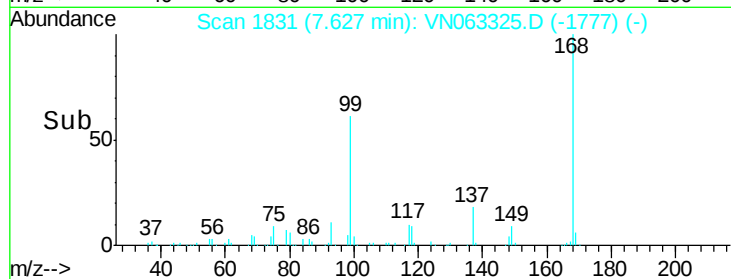
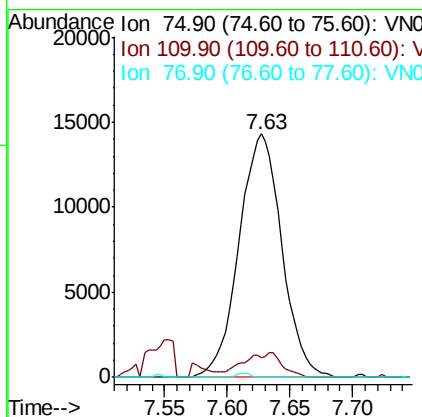
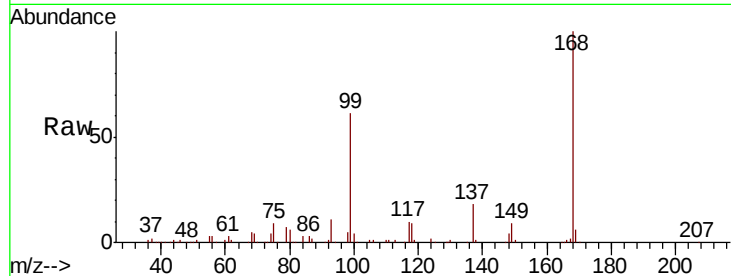




#36
 1,1-Dichloropropene
 Concen: 4.707 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063325.D
 Acq: 11 Sep 2020 19:30

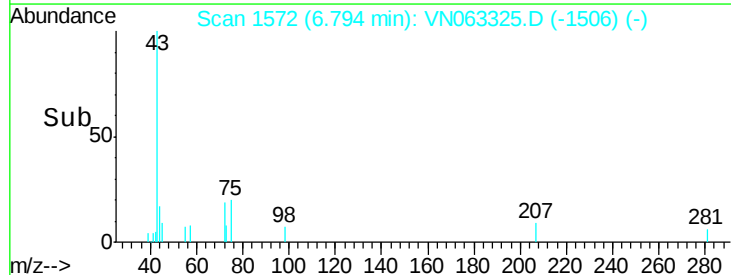
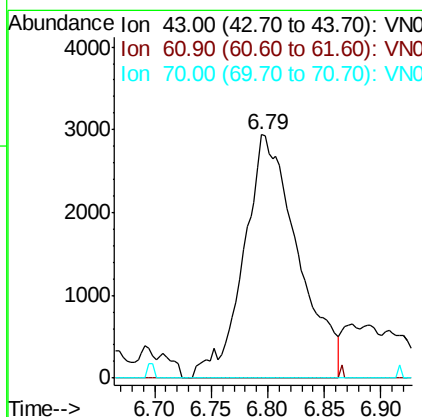
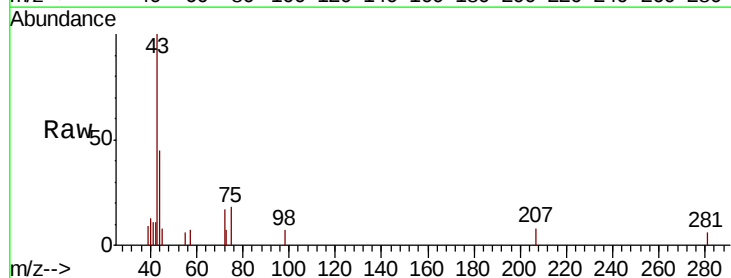
Instrument :
 MSVOA_N
 ClientSampleId :

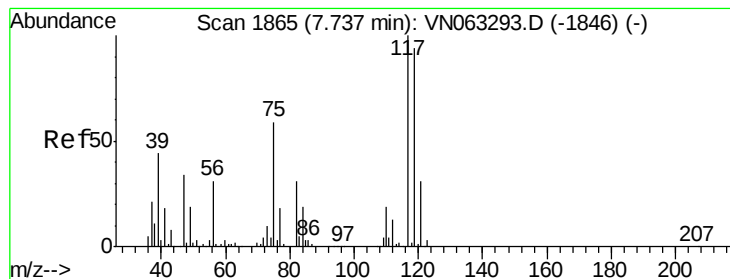
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	16.4	49.4#
77	0.4	24.8	37.2#



#37
 Ethyl Acetate
 Concen: 1.379 ug/l
 RT: 6.79 min Scan# 1572
 Delta R.T. -0.09 min
 Lab File: VN063325.D
 Acq: 11 Sep 2020 19:30

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.1	15.1#
70	0.0	7.4	11.2#





#38

Carbon Tetrachloride

Concen: 5.644 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063325.D

Acq: 11 Sep 2020 19:30

Instrument :

MSVOA_N

ClientSampled :

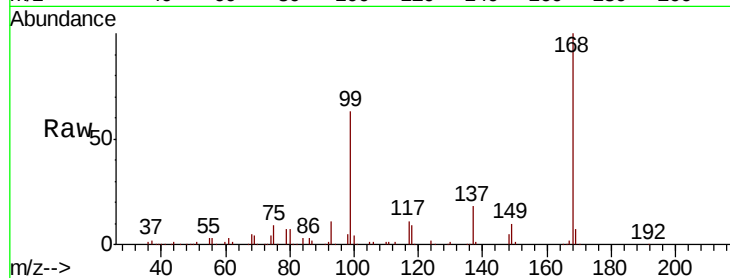
Tot Ion:117 Resp: 39968

Ion Ratio Lower Upper

117 100

119 4.3 75.3 112.9#

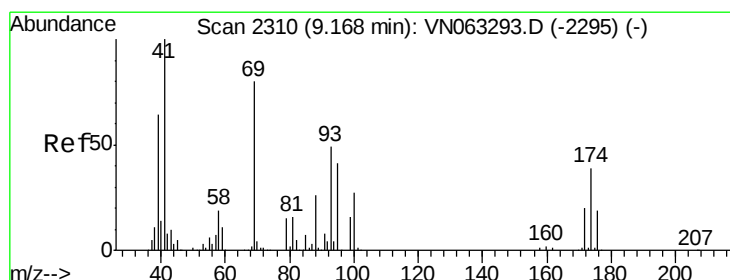
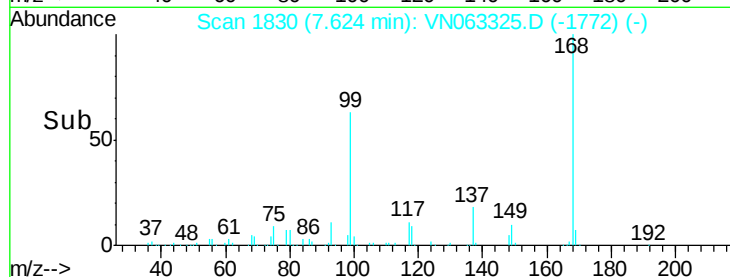
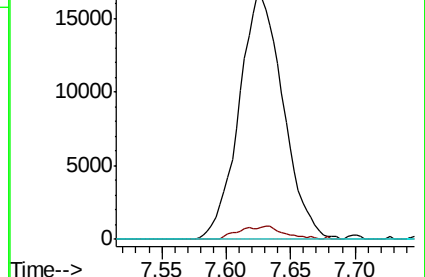
121 0.0 24.6 37.0#



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: 0.350 ug/l

RT: 9.18 min Scan# 2313

Delta R.T. 0.01 min

Lab File: VN063325.D

Acq: 11 Sep 2020 19:30

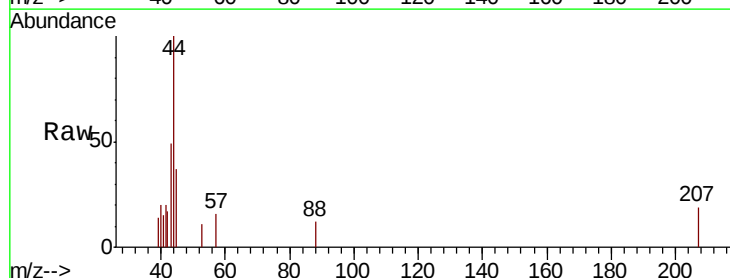
Tgt Ion: 88 Resp: 31

Ion Ratio Lower Upper

88 100

43 954.8 30.5 45.7#

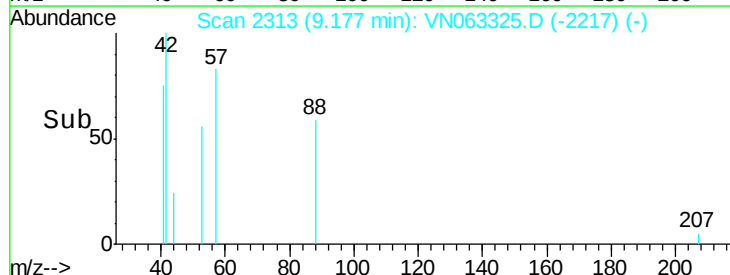
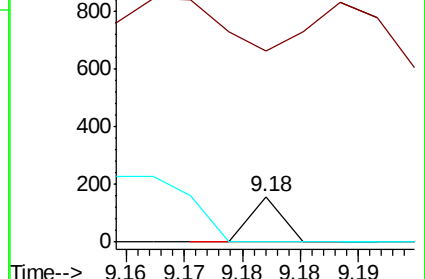
58 0.0 58.9 88.3#

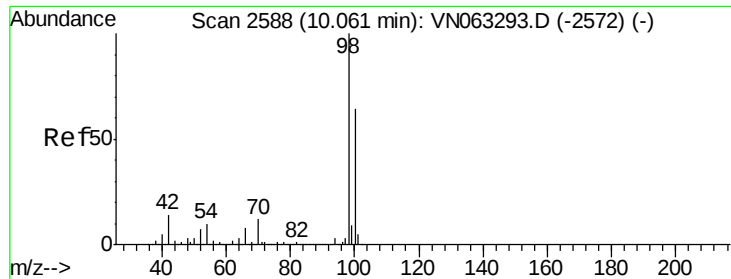


Abundance Ion 88.00 (87.70 to 88.70): V

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V





#50

Toluene-d8

Concen: 51.473 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. -0.00 min

Lab File: VN063325.D

Acq: 11 Sep 2020 19:30

Instrument :

MSVOA_N

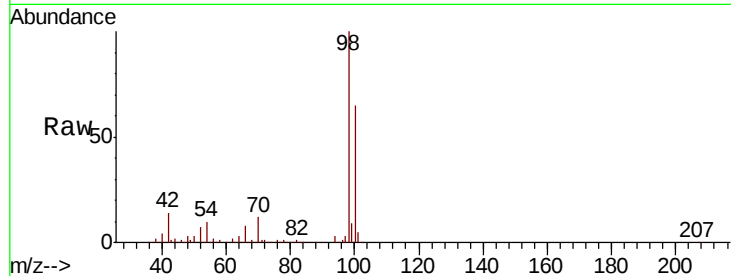
ClientSampleId :

Tot Ion: 98 Resp: 890789

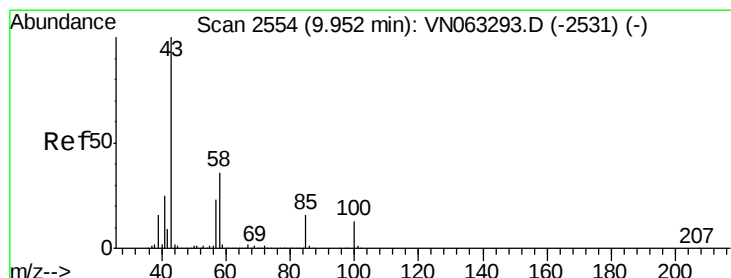
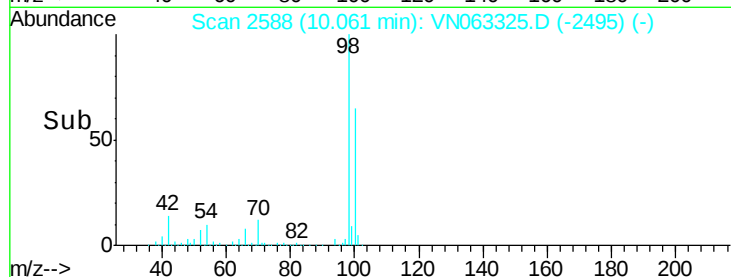
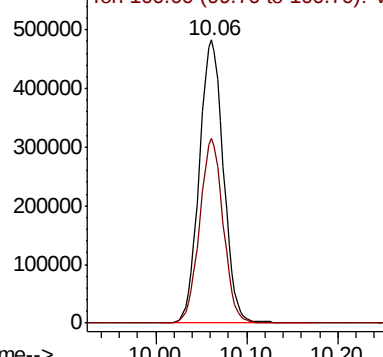
Ion Ratio Lower Upper

98 100

100 63.4 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN063325.D (-2495) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.958 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN063325.D

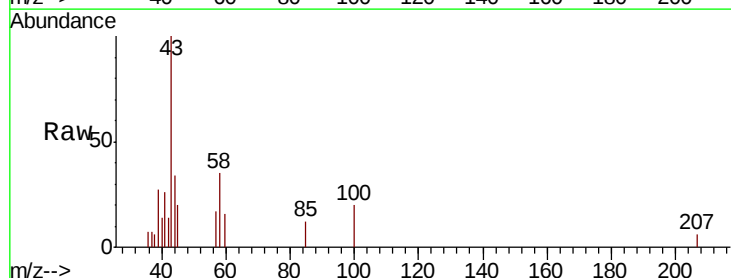
Acq: 11 Sep 2020 19:30

Tgt Ion: 43 Resp: 6331

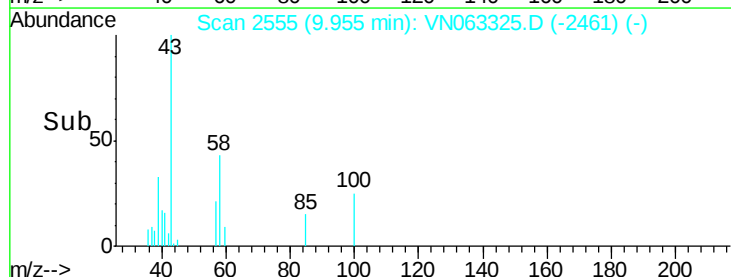
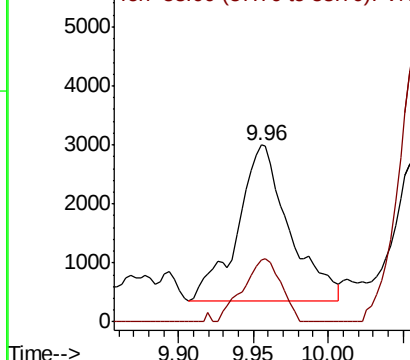
Ion Ratio Lower Upper

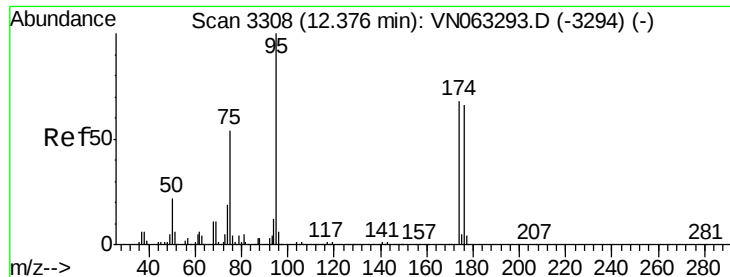
43 100

58 30.1 29.0 43.4



Abundance Ion 43.00 (42.70 to 43.70): VN063325.D (-2461) (-)





#62

4-Bromofluorobenzene

Concen: 52.164 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063325.D

Acq: 11 Sep 2020 19:30

Instrument :

MSVOA_N

ClientSampled :

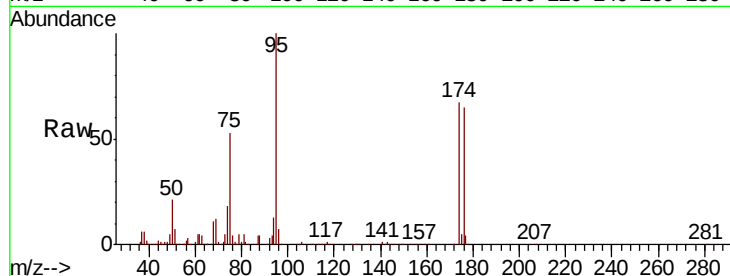
Tot Ion: 95 Resp: 333435

Ion Ratio Lower Upper

95 100

174 69.9 0.0 136.6

176 67.5 0.0 132.8



Abundance Ion 94.90 (94.60 to 95.60): VN063325.D (-3215) (-)

Ion 173.80 (173.50 to 174.50): VN063325.D (-3215) (-)

Ion 175.80 (175.50 to 176.50): VN063325.D (-3215) (-)

12.38

200000

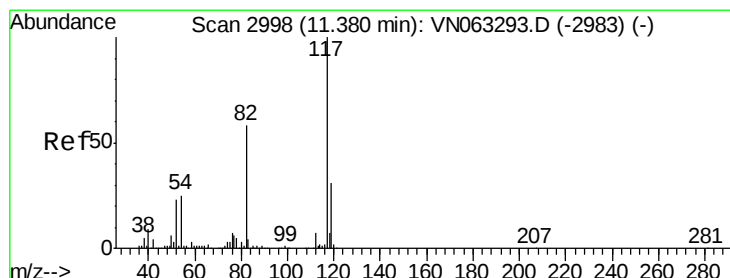
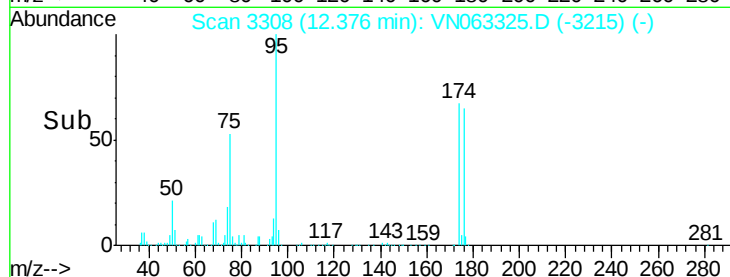
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063325.D

Acq: 11 Sep 2020 19:30

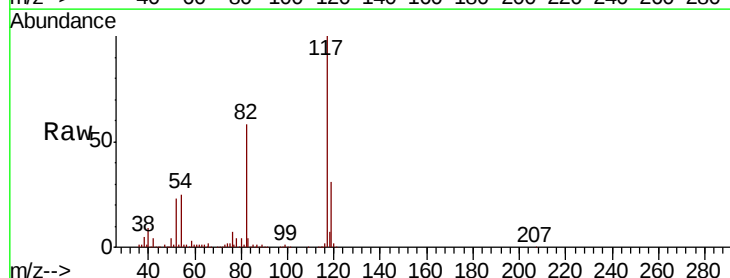
Tgt Ion: 117 Resp: 680805

Ion Ratio Lower Upper

117 100

82 58.3 46.4 69.6

119 30.9 24.8 37.2



Abundance Ion 116.90 (116.60 to 117.60): VN063325.D (-2905) (-)

Ion 82.00 (81.70 to 82.70): VN063325.D (-2905) (-)

Ion 118.90 (118.60 to 119.60): VN063325.D (-2905) (-)

11.38

500000

400000

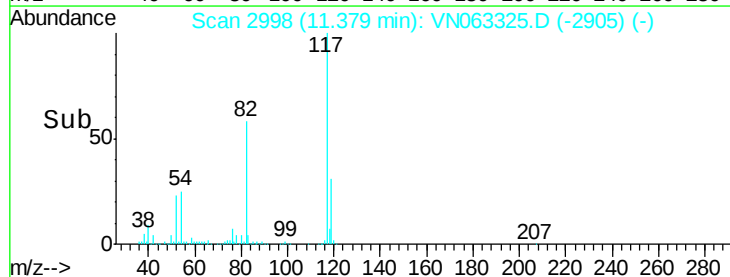
300000

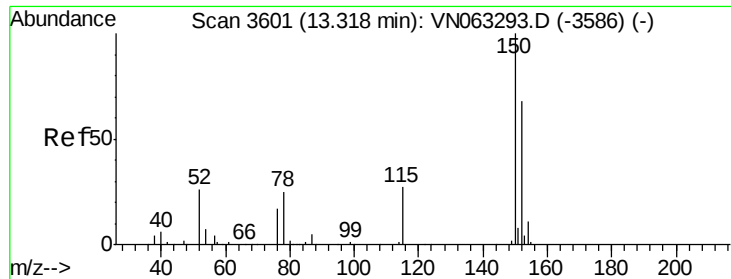
200000

100000

0

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: VN063325.D

Acq: 11 Sep 2020 19:30

Instrument :

MSVOA_N

ClientSampleId :

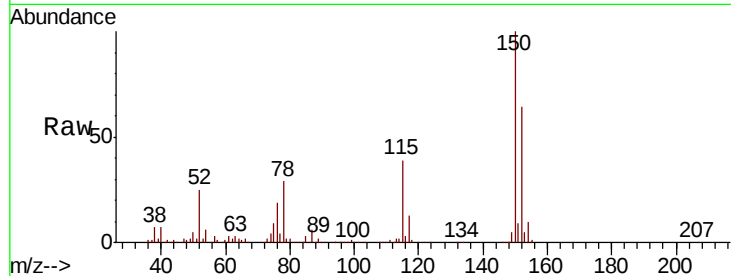
Tot Ion:152 Resp: 285251

Ion Ratio Lower Upper

152 100

115 61.7 31.5 94.5

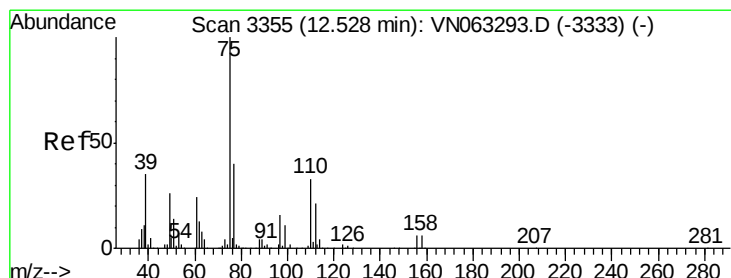
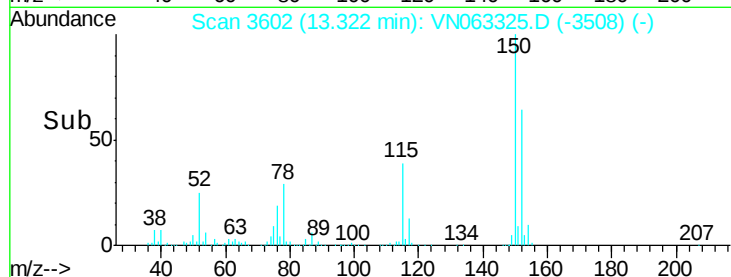
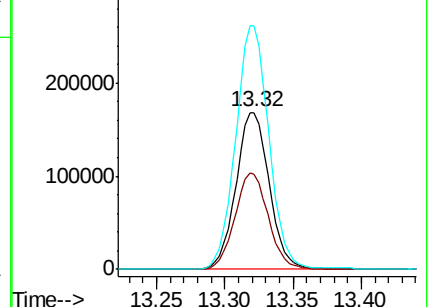
150 155.5 0.0 344.0



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: 28.547 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063325.D

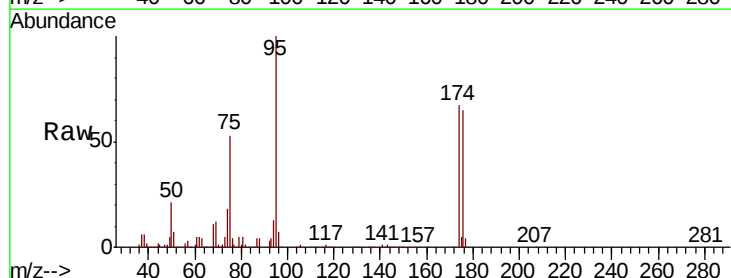
Acq: 11 Sep 2020 19:30

Tgt Ion: 75 Resp: 179651

Ion Ratio Lower Upper

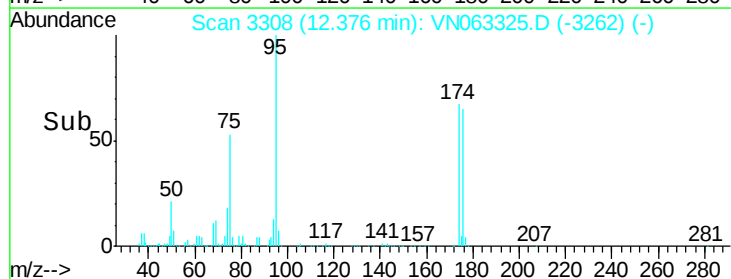
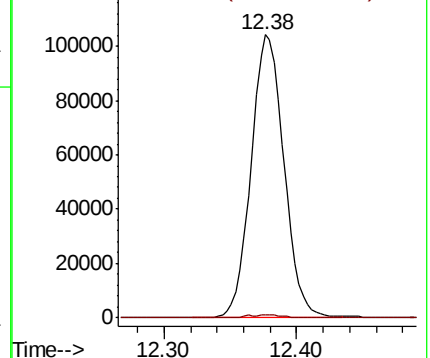
75 100

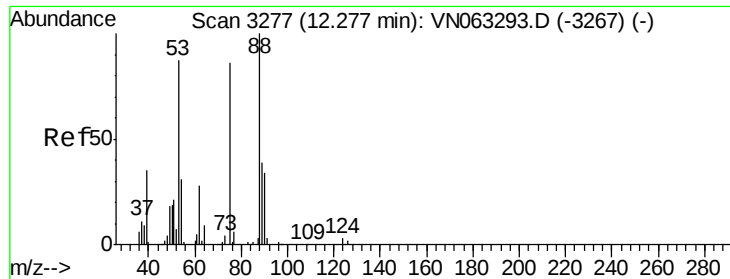
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

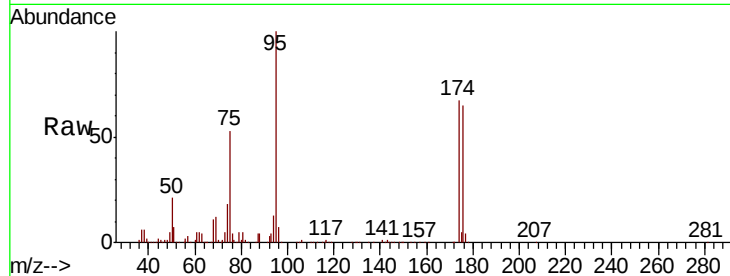




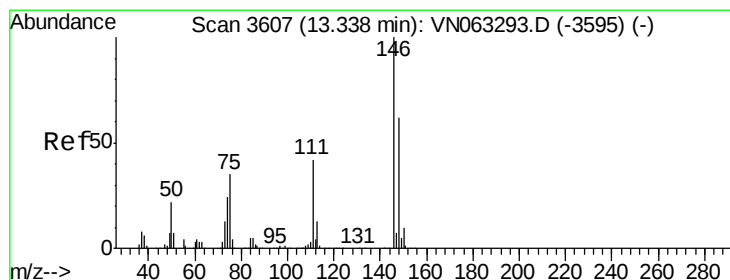
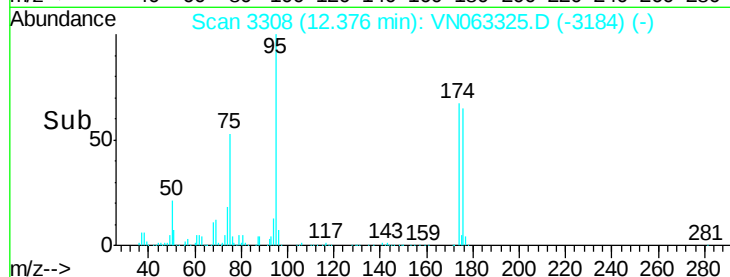
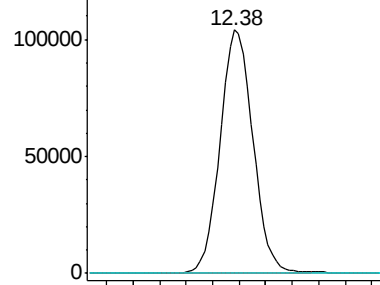
#81
trans-1,4-Dichloro-2-butene
Concen: 76.702 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN063325.D
Acq: 11 Sep 2020 19:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 179651
Ion Ratio Lower Upper
75 100
53 0.0 81.8 122.8#
89 0.0 36.7 55.1#

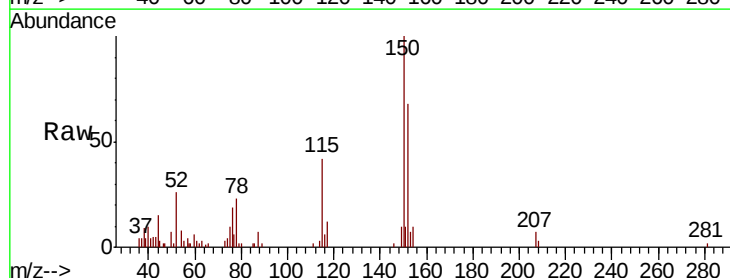


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

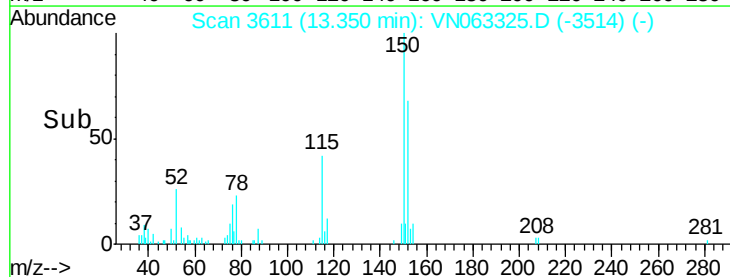
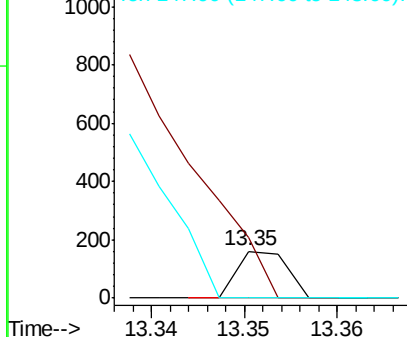


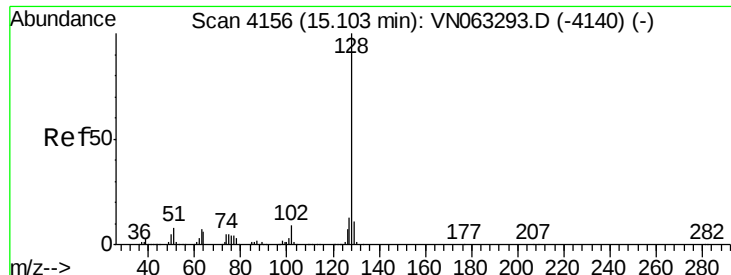
#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.35 min Scan# 3611
Delta R.T. 0.01 min
Lab File: VN063325.D
Acq: 11 Sep 2020 19:30

Tgt Ion: 146 Resp: 60
Ion Ratio Lower Upper
146 100
111 0.0 21.3 64.0#
148 0.0 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

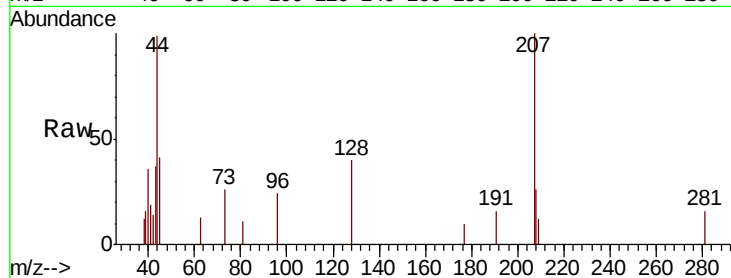




#95
Naphthalene
Concen: Below Cal
RT: 15.12 min Scan# 4160
Delta R.T. 0.01 min
Lab File: VN063325.D
Acq: 11 Sep 2020 19:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	5.0	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

