

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101520\
 Data File : VN064150.D
 Acq On : 15 Oct 2020 17:55
 Operator : JC/MD
 Sample : L4403-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OK-02-100120

Quant Time: Oct 16 02:26:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 15 01:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	280585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	536439	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	560763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	205439	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	224582	56.20	ug/l	0.00
Spiked Amount			Recovery	=	112.40%	
35) Dibromofluoromethane	7.55	113	187737	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
50) Toluene-d8	10.06	98	688527	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
62) 4-Bromofluorobenzene	12.38	95	239381	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	

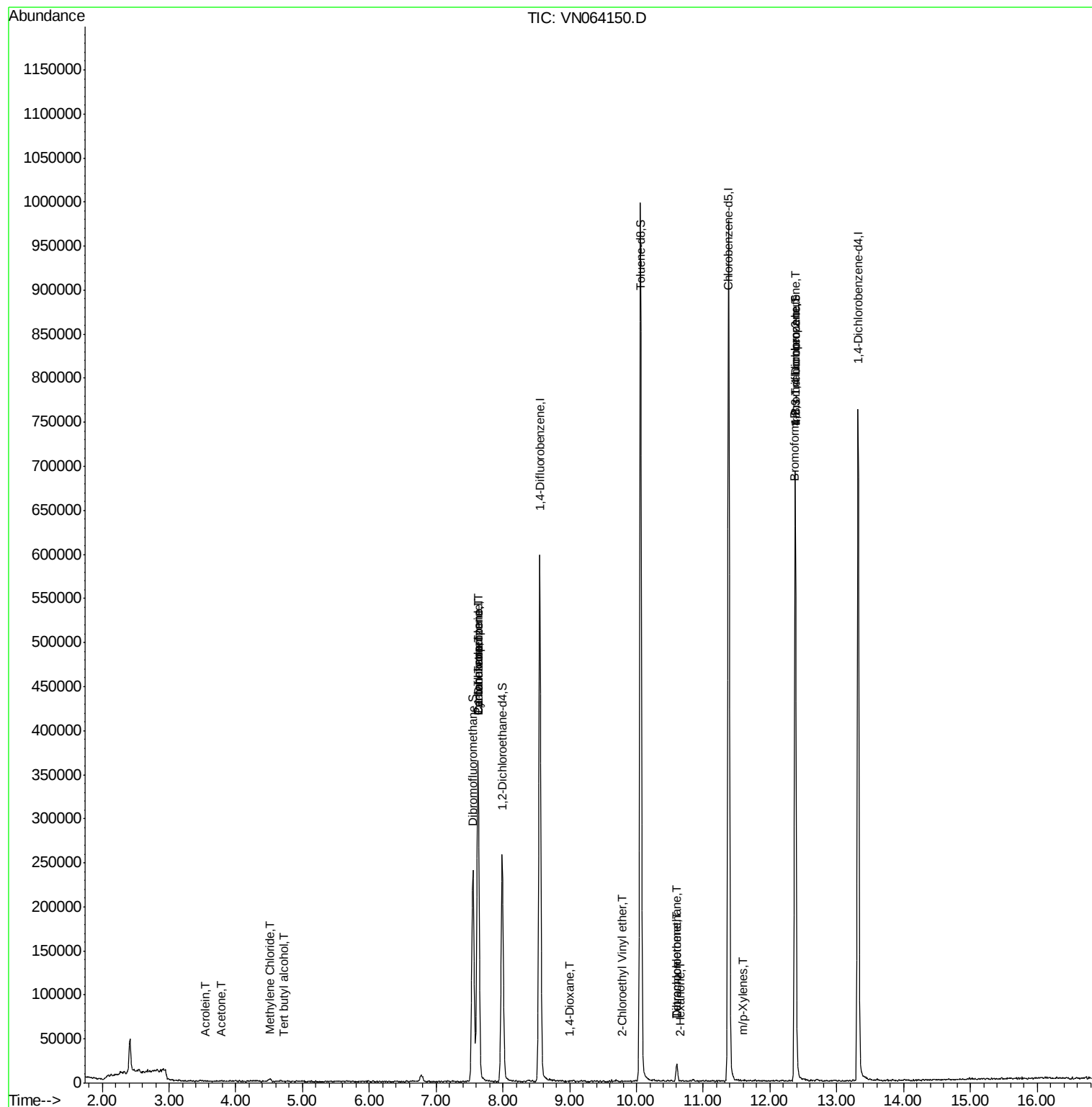
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.71	59	102	0.231	ug/l #	71
13) Acrolein	3.55	56	118	0.325	ug/l #	15
16) Acetone	3.79	43	246	0.208	ug/l #	43
20) Methylene Chloride	4.50	84	1198	0.327	ug/l #	60
31) Cyclohexane	7.63	56	6650	1.505	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	23344	4.515	ug/l #	50
38) Carbon Tetrachloride	7.63	117	30736	5.528	ug/l #	18
49) 1,4-Dioxane	9.00	88	32	0.599	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.78	63	30	12.229	ug/l #	48
59) 2-Hexanone	10.65	43	142	6.877	ug/l	82
60) Dibromochloromethane	10.60	129	4206	0.939	ug/l #	11
64) Tetrachloroethene	10.60	164	4129	0.977	ug/l #	80
68) m/p-Xylenes	11.60	106	29	2.195	ug/l #	1
71) Bromoform	12.36	173	423	2.340	ug/l #	30
76) 1,2,3-Trichloropropane	12.38	75	125714	26.083	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	125714	79.689	ug/l #	12

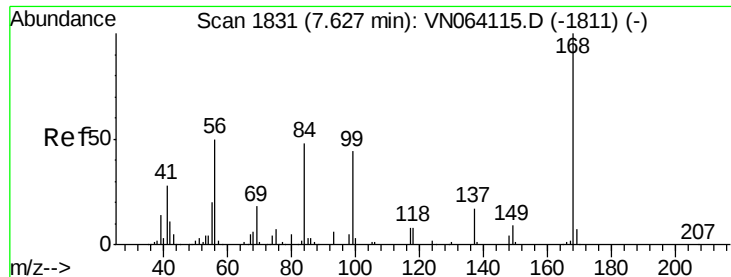
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101520\
Data File : VN064150.D
Acq On : 15 Oct 2020 17:55
Operator : JC/MD
Sample : L4403-07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OK-02-100120

Quant Time: Oct 16 02:26:26 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 15 01:16:44 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: VN064150.D

Acq: 15 Oct 2020 17:55

Instrument :

MSVOA_N

ClientSampleId :

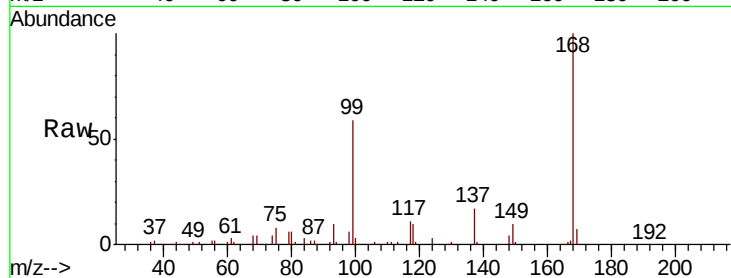
OK-02-100120

Tot Ion:168 Resp: 280585

Ion Ratio Lower Upper

168 100

99 59.1 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

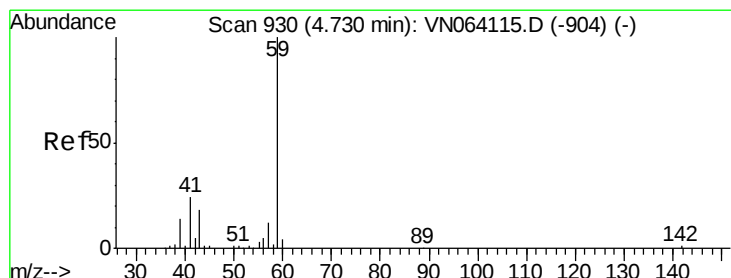
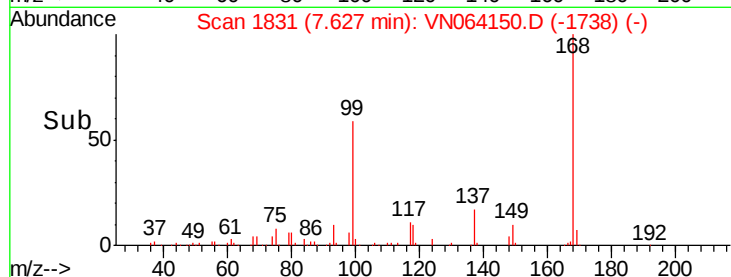
7.63

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.231 ug/l

RT: 4.71 min Scan# 925

Delta R.T. -0.02 min

Lab File: VN064150.D

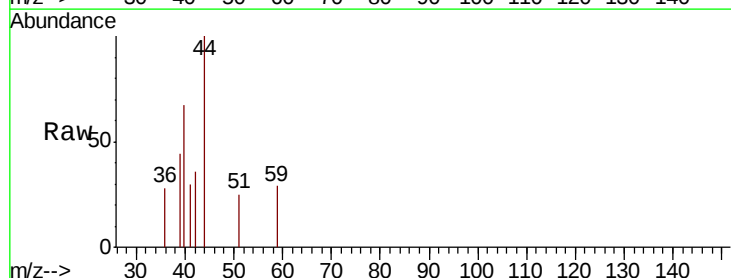
Acq: 15 Oct 2020 17:55

Tgt Ion: 59 Resp: 102

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.71

200

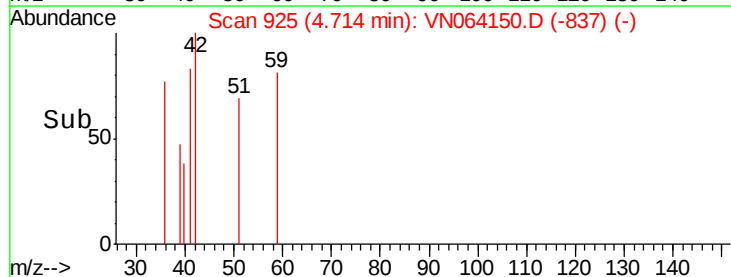
150

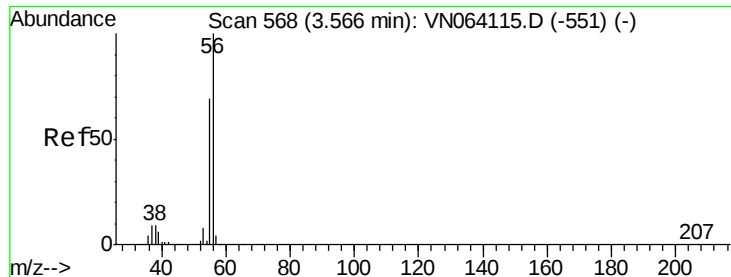
100

50

0

Time-->





#13

Acrolein

Concen: 0.325 ug/l

RT: 3.55 min Scan# 564

Delta R.T. -0.01 min

Lab File: VN064150.D

Acq: 15 Oct 2020 17:55

Instrument :

MSVOA_N

ClientSampleId :

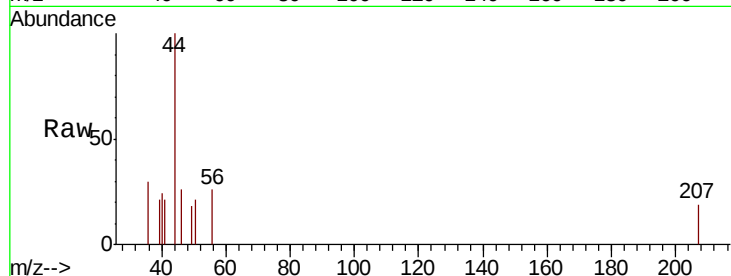
OK-02-100120

Tot Ion: 56 Resp: 118

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.6#



Abundance Ion 56.00 (55.70 to 56.70): VN064150.D (-551) (-)

Ion 55.00 (54.70 to 55.70): VN064150.D (-551) (-)

3.55

200

150

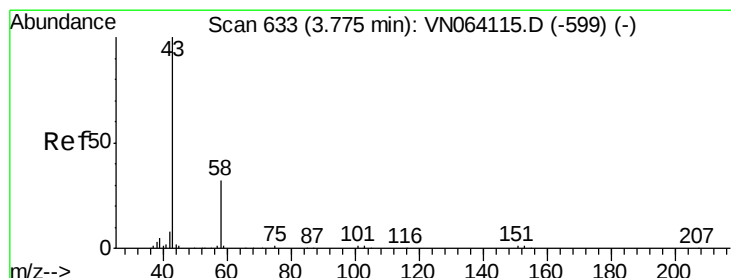
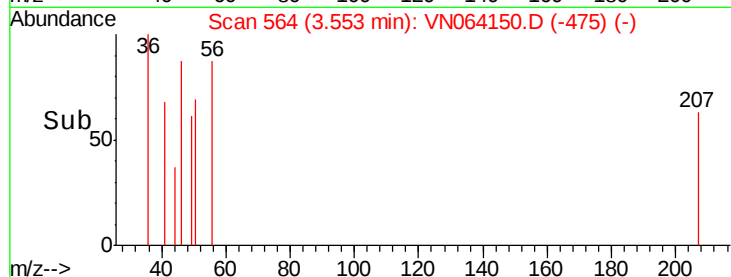
100

50

0

3.54 3.55 3.56

Time-->



#16

Acetone

Concen: 0.208 ug/l

RT: 3.79 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN064150.D

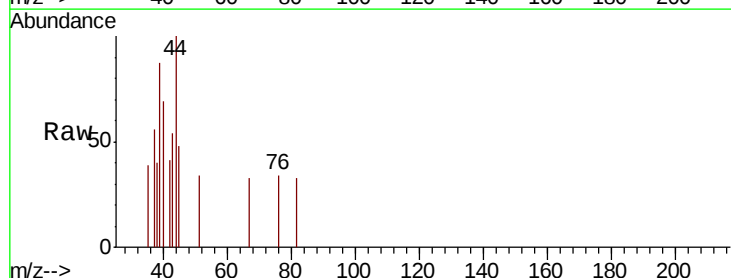
Acq: 15 Oct 2020 17:55

Tgt Ion: 43 Resp: 246

Ion Ratio Lower Upper

43 100

58 0.0 25.2 37.8#



Abundance Ion 43.00 (42.70 to 43.70): VN064150.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN064150.D (-599) (-)

3.79

300

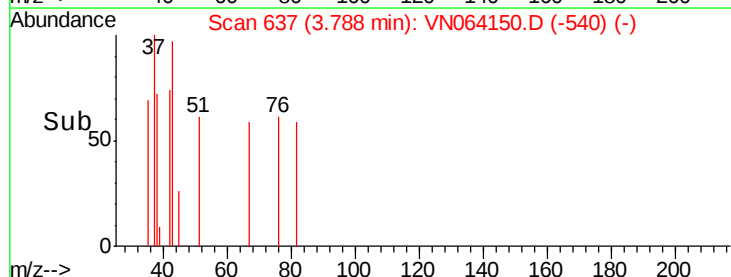
200

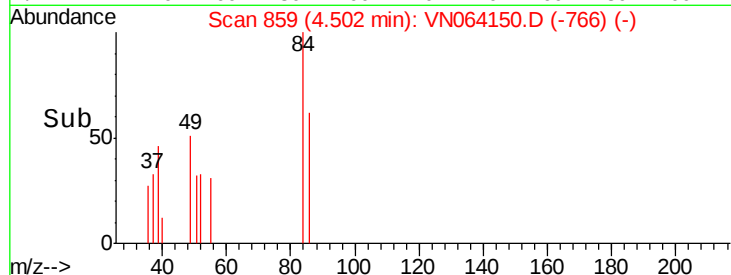
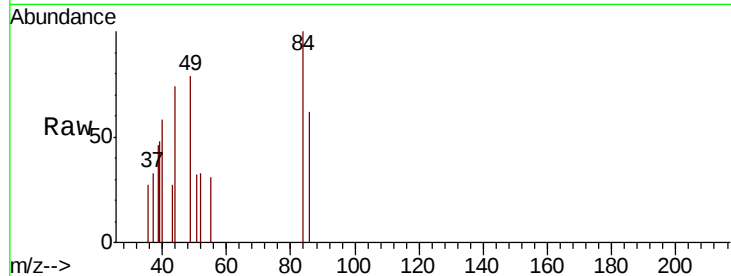
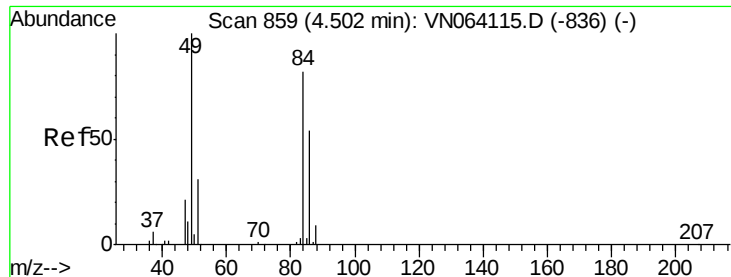
100

0

3.77 3.78 3.79 3.80

Time-->

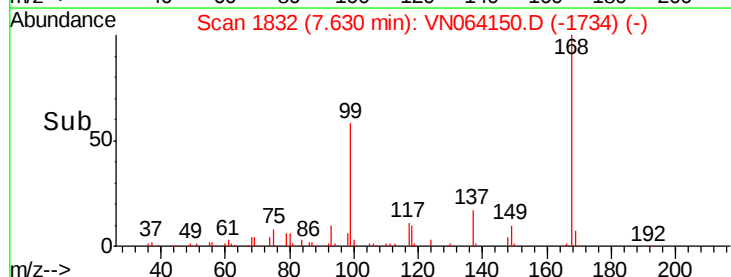
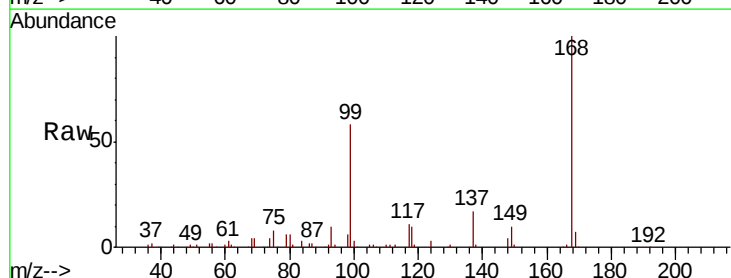
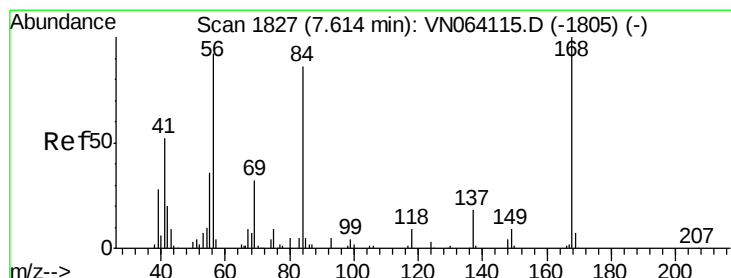
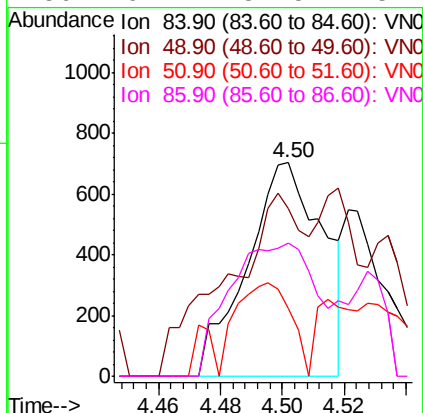




#20
Methylene Chloride
Concen: 0.327 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064150.D
Acq: 15 Oct 2020 17:55

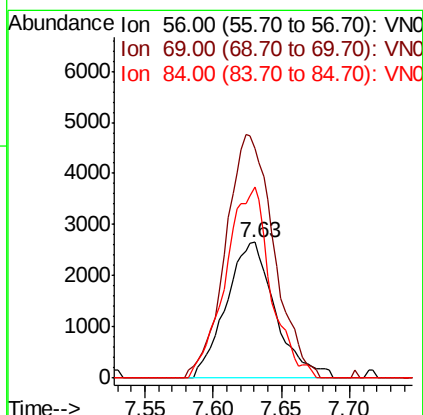
Instrument :
MSVOA_N
ClientSampleId :
OK-02-100120

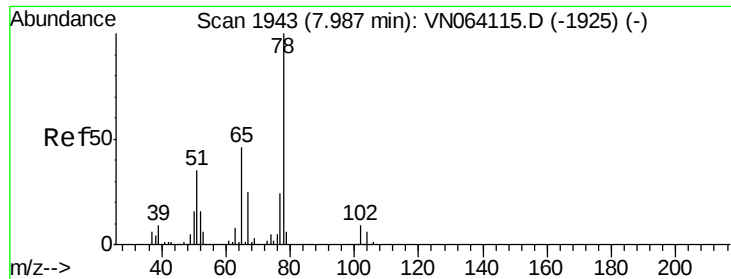
Tot Ion:	84	Resp:	1198
Ion	Ratio	Lower	Upper
84	100		
49	45.3	97.4	146.0#
51	31.7	29.7	44.5
86	62.1	52.5	78.7



#31
Cyclohexane
Concen: 1.505 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN064150.D
Acq: 15 Oct 2020 17:55

Tgt Ion:	56	Resp:	6650
Ion	Ratio	Lower	Upper
56	100		
69	168.5	27.8	41.6#
84	140.8	73.2	109.8#

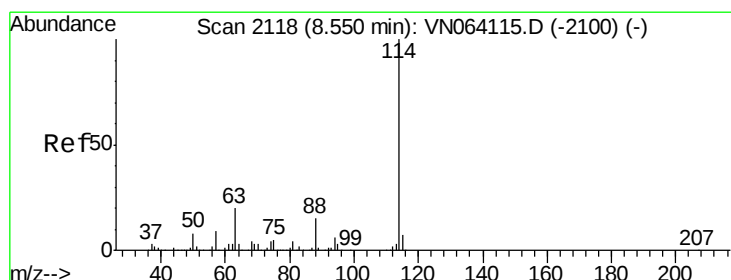
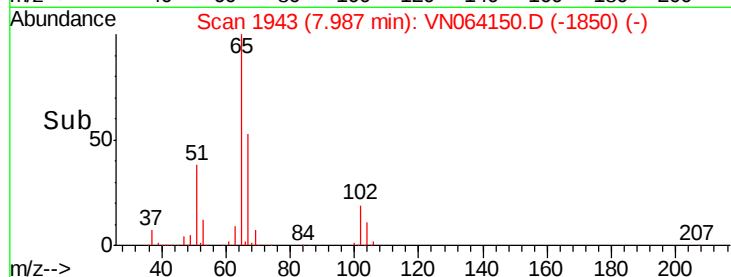
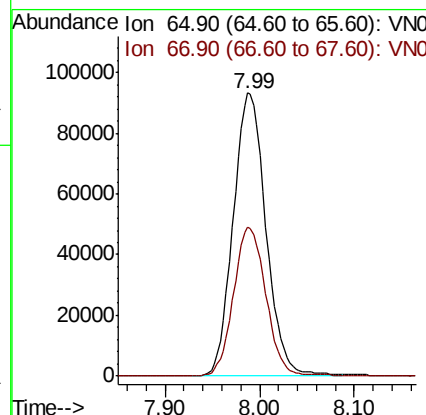
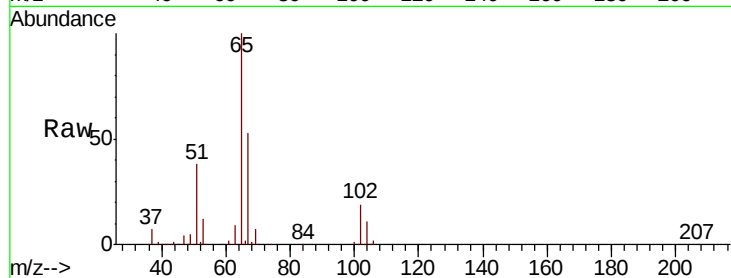




#33
 1,2-Dichloroethane-d4
 Concen: 56.200 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064150.D
 Acq: 15 Oct 2020 17:55

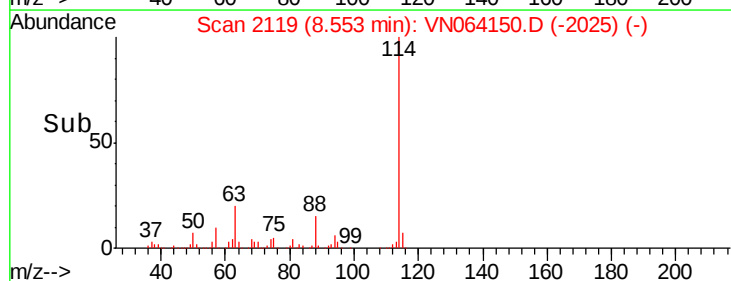
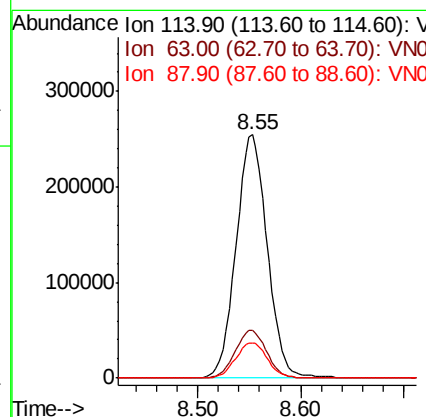
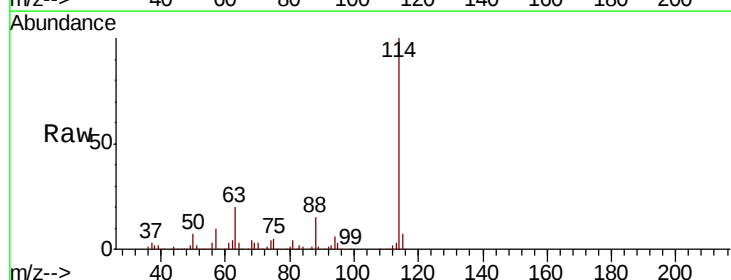
Instrument :
 MSVOA_N
 ClientSampleId :
 OK-02-100120

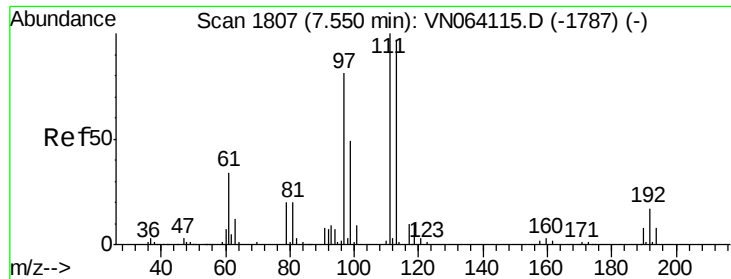
Tot Ion: 65 Resp: 224582
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN064150.D
 Acq: 15 Oct 2020 17:55

Tgt Ion: 114 Resp: 536439
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 41.0
 88 14.6 0.0 29.2

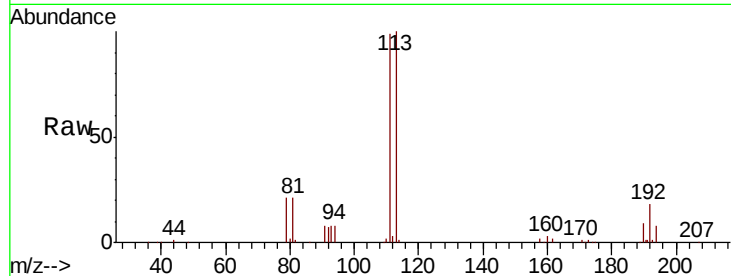




#35
 Dibromofluoromethane
 Concen: 50.563 ug/l
 RT: 7.55 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN064150.D
 Acq: 15 Oct 2020 17:55

Instrument :
 MSVOA_N
 ClientSampleId :
 OK-02-100120

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.9	122.9
192	17.8	14.3	21.5

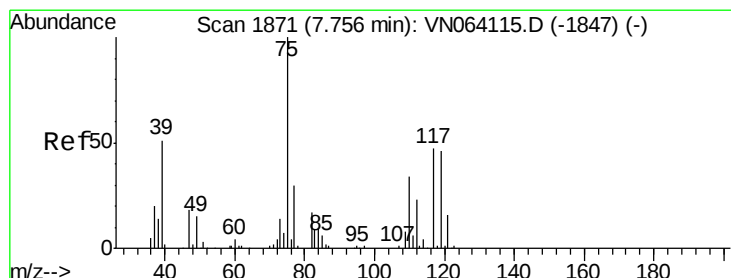
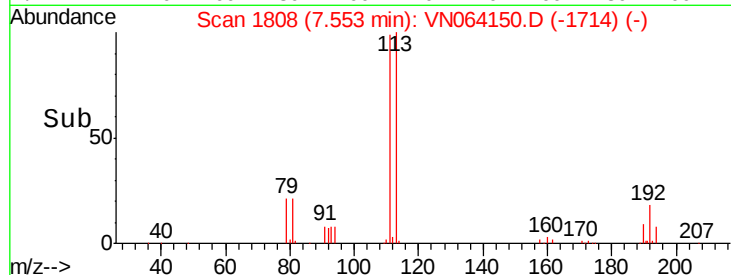
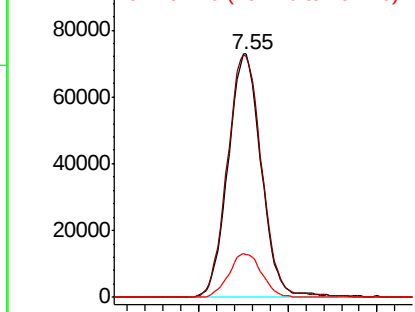


Abundance

Ion 112.80 (112.50 to 113.50): V

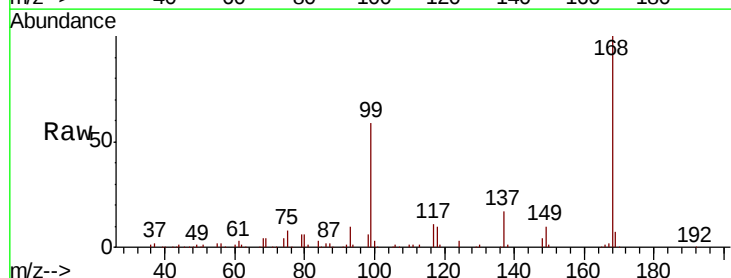
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.515 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064150.D
 Acq: 15 Oct 2020 17:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.8	53.3#
77	0.0	24.9	37.3#

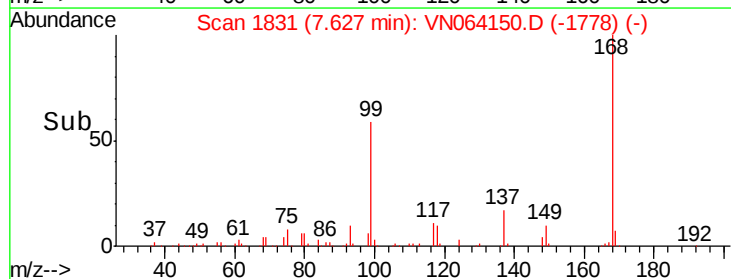
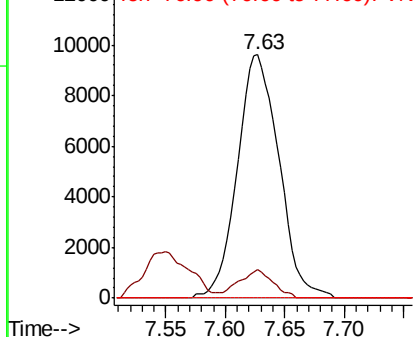


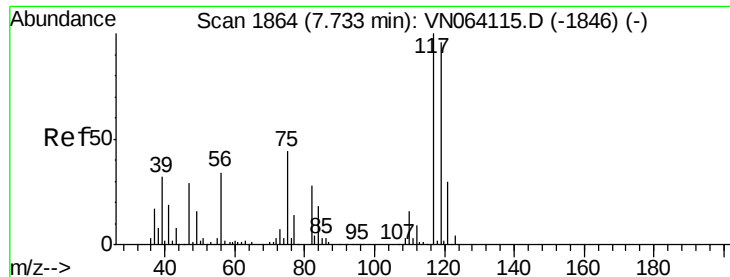
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.528 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064150.D

Acq: 15 Oct 2020 17:55

Instrument :

MSVOA_N

ClientSampleId :

OK-02-100120

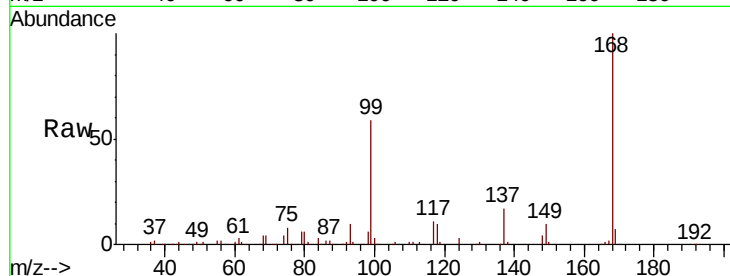
Tot Ion:117 Resp: 30736

Ion Ratio Lower Upper

117 100

119 7.5 77.0 115.4#

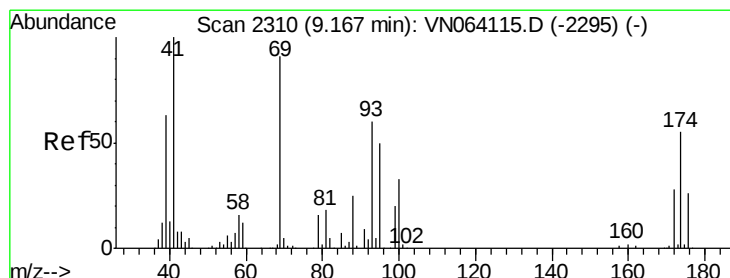
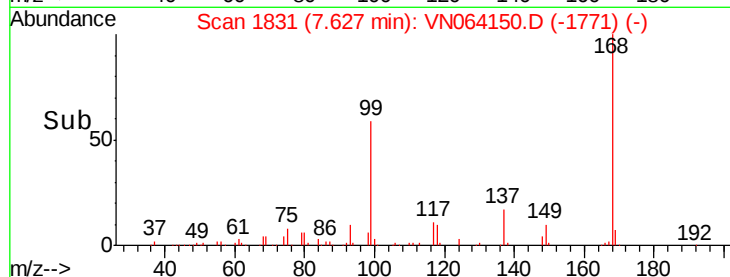
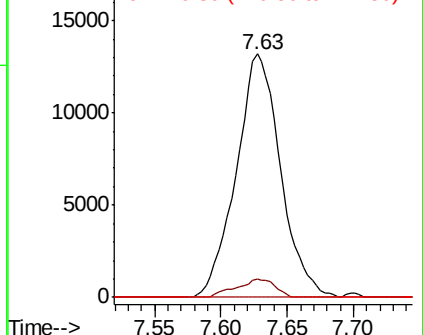
121 0.0 24.2 36.4#



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: 0.599 ug/l

RT: 9.00 min Scan# 2258

Delta R.T. -0.17 min

Lab File: VN064150.D

Acq: 15 Oct 2020 17:55

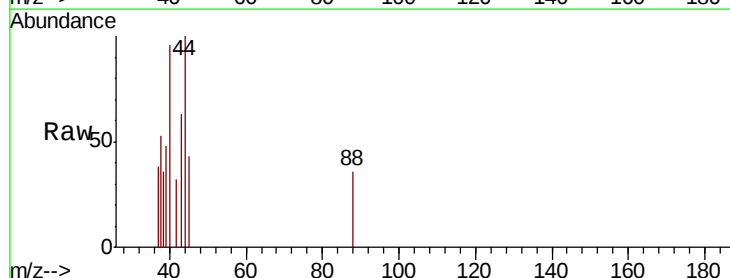
Tgt Ion: 88 Resp: 32

Ion Ratio Lower Upper

88 100

43 465.6 27.2 40.8#

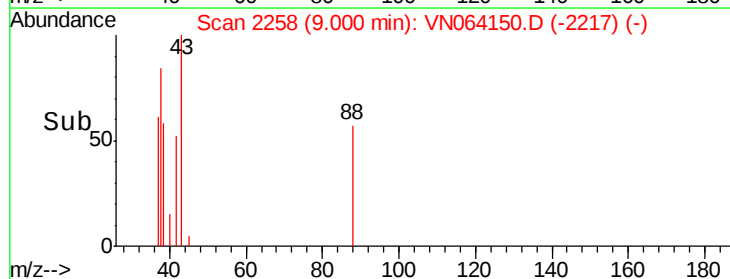
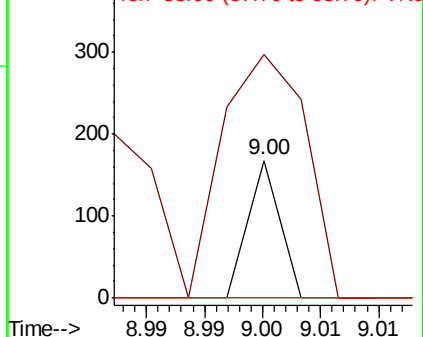
58 0.0 52.6 78.8#

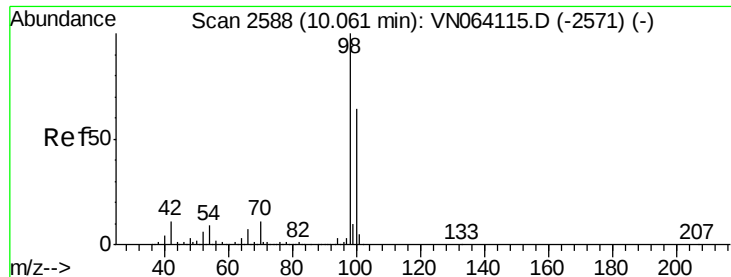


Abundance Ion 88.00 (87.70 to 88.70): V

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V





#50

Toluene-d8

Concen: 49.147 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064150.D

Acq: 15 Oct 2020 17:55

Instrument :

MSVOA_N

ClientSampleId :

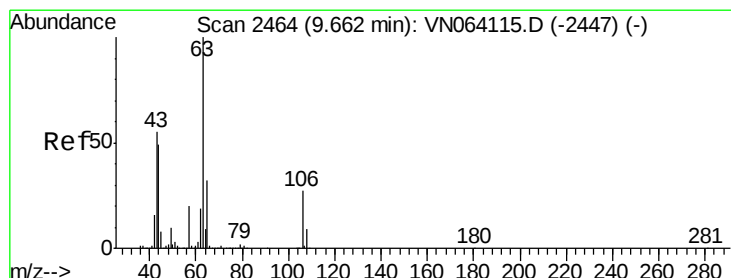
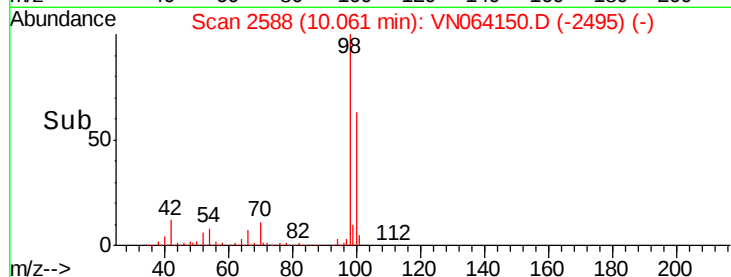
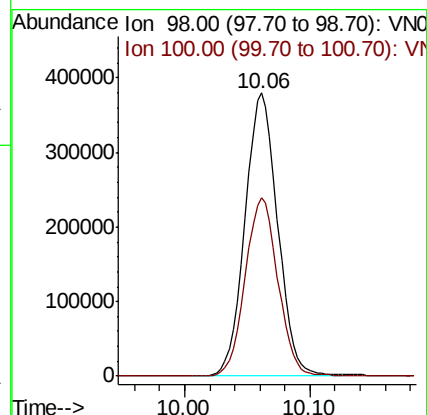
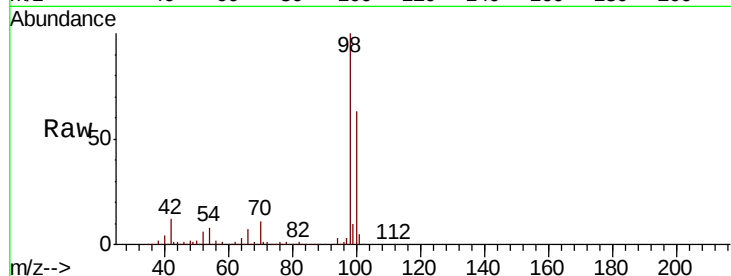
OK-02-100120

Tot Ion: 98 Resp: 688527

Ion Ratio Lower Upper

98 100

100 63.3 50.8 76.2



#58

2-Chloroethyl Vinyl ether

Concen: 12.229 ug/l

RT: 9.78 min Scan# 2501

Delta R.T. 0.12 min

Lab File: VN064150.D

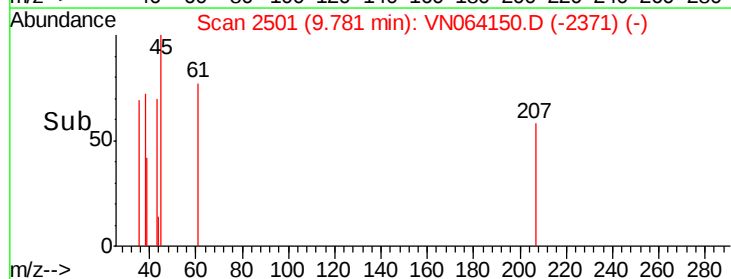
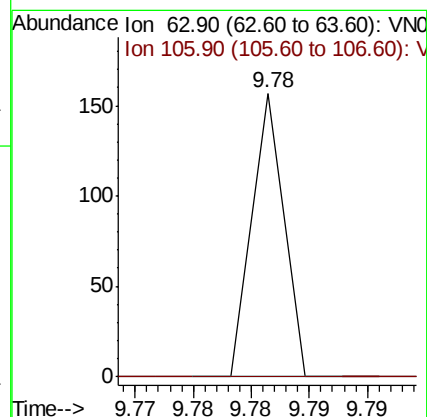
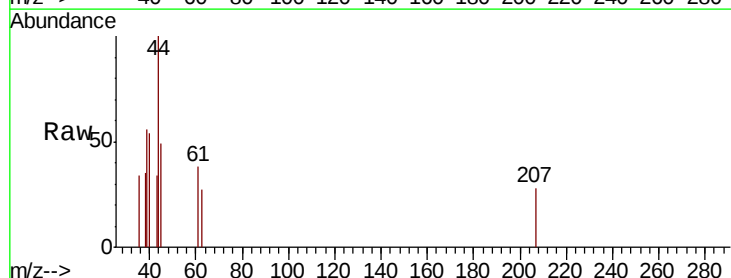
Acq: 15 Oct 2020 17:55

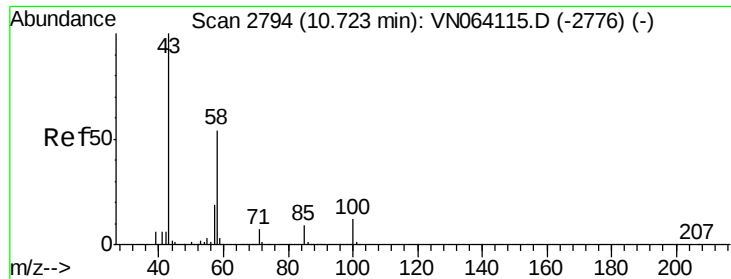
Tgt Ion: 63 Resp: 30

Ion Ratio Lower Upper

63 100

106 0.0 21.8 32.6#

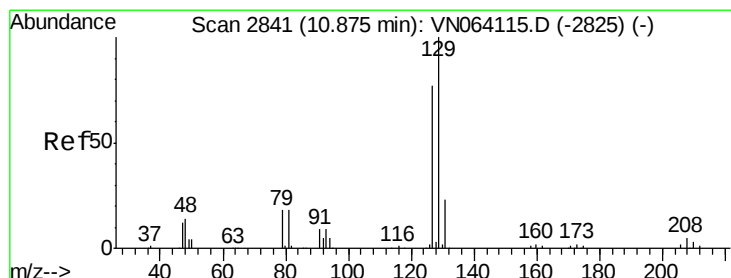
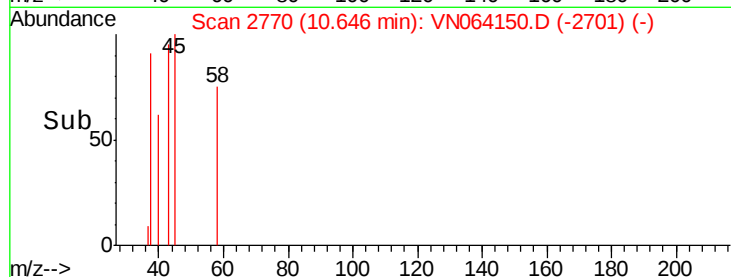
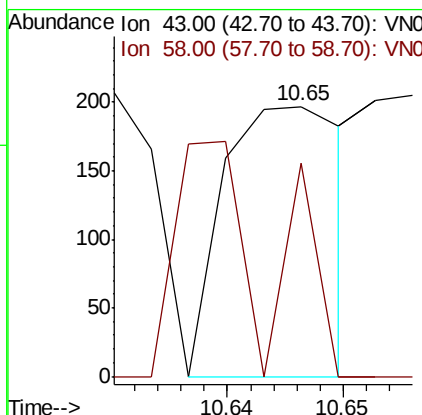
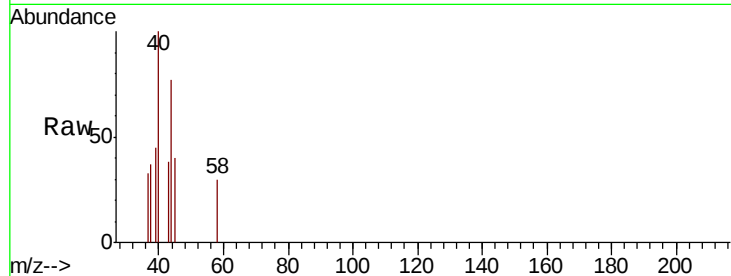




#59
2-Hexanone
Concen: 6.877 ug/l
RT: 10.65 min Scan# 2770
Delta R.T. -0.08 min
Lab File: VN064150.D
Acq: 15 Oct 2020 17:55

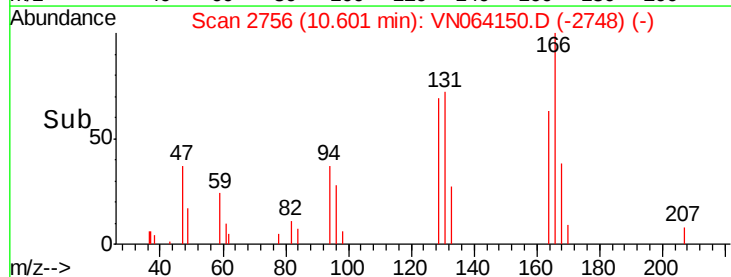
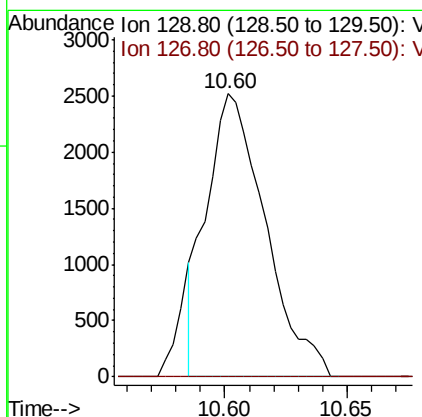
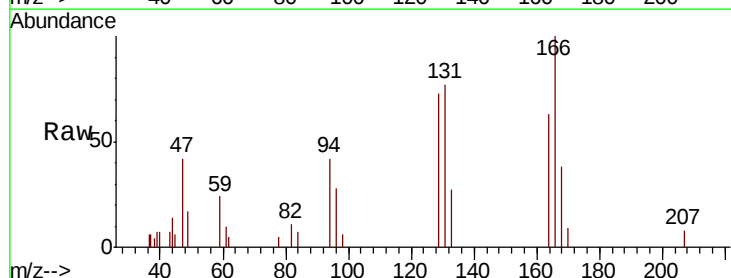
Instrument :
MSVOA_N
ClientSampleId :
OK-02-100120

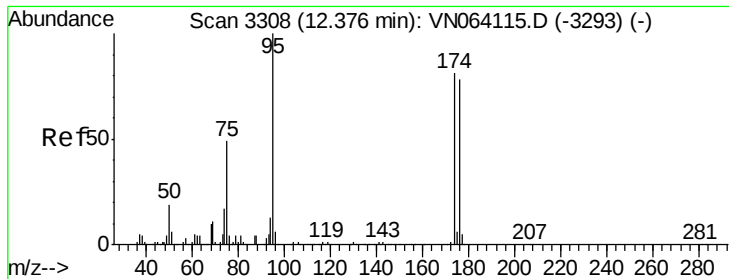
Tot Ion: 43 Resp: 142
Ion Ratio Lower Upper
43 100
58 67.6 27.2 81.6



#60
Dibromochloromethane
Concen: 0.939 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.27 min
Lab File: VN064150.D
Acq: 15 Oct 2020 17:55

Tgt Ion: 129 Resp: 4206
Ion Ratio Lower Upper
129 100
127 0.0 38.2 114.6#





#62

4-Bromofluorobenzene

Concen: 49.711 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.00 min

Lab File: VN064150.D

Acq: 15 Oct 2020 17:55

Instrument :

MSVOA_N

ClientSampleId :

OK-02-100120

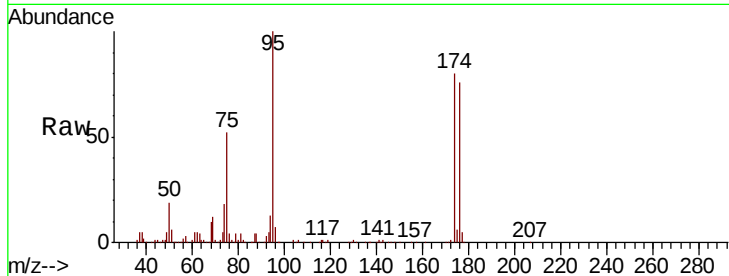
Tot Ion: 95 Resp: 239381

Ion Ratio Lower Upper

95 100

174 79.3 0.0 164.8

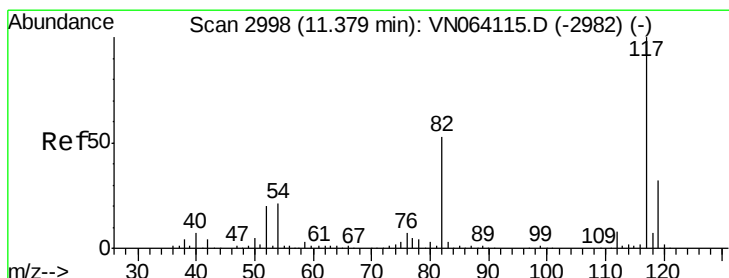
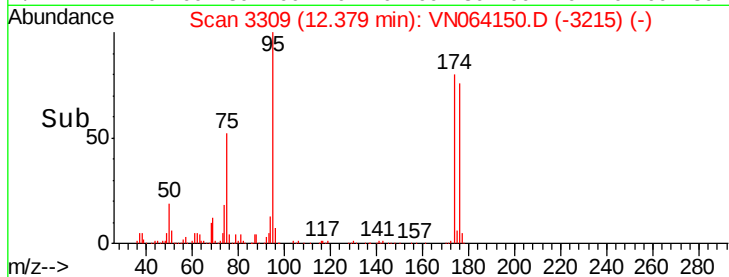
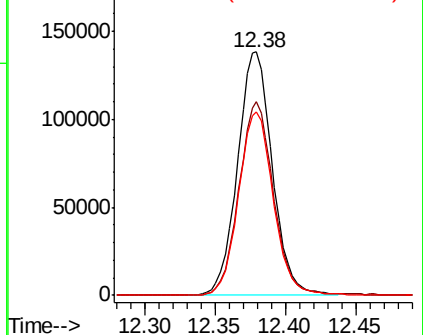
176 75.3 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN064115.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN064115.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN064115.D (-3293) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064150.D

Acq: 15 Oct 2020 17:55

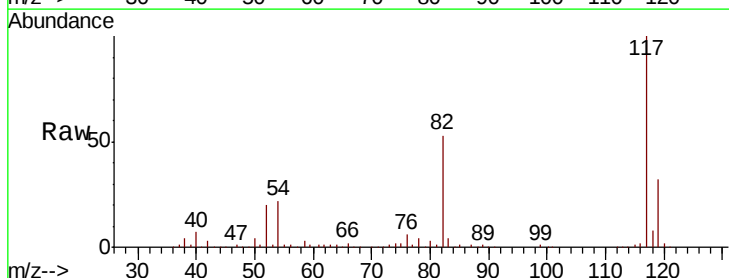
Tgt Ion: 117 Resp: 560763

Ion Ratio Lower Upper

117 100

82 53.5 42.6 63.8

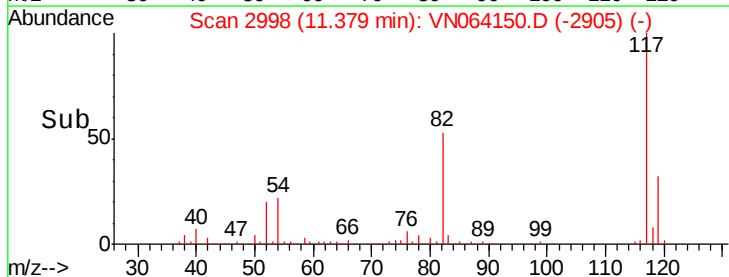
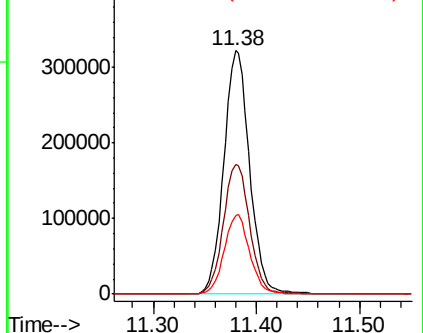
119 32.3 25.5 38.3

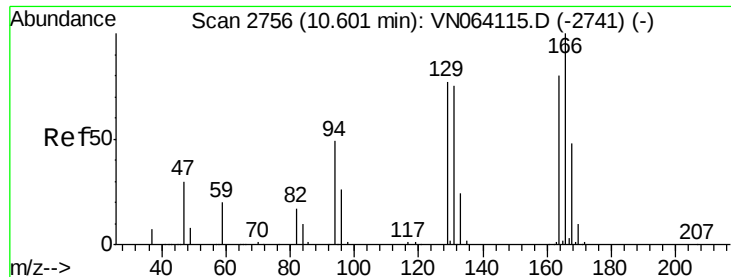


Abundance Ion 116.90 (116.60 to 117.60): VN064115.D (-2982) (-)

Ion 82.00 (81.70 to 82.70): VN064115.D (-2982) (-)

Ion 118.90 (118.60 to 119.60): VN064115.D (-2982) (-)

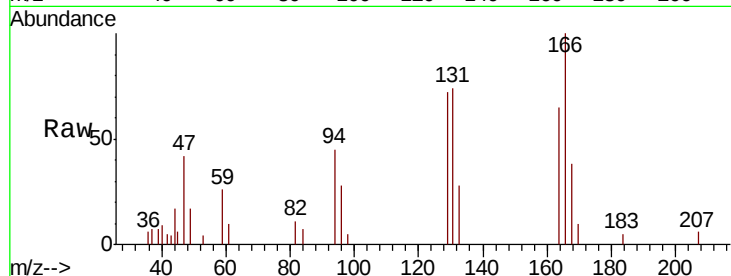




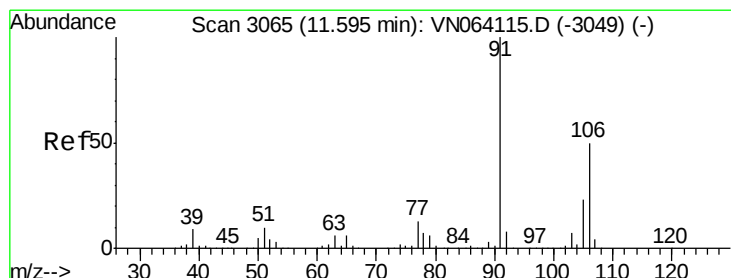
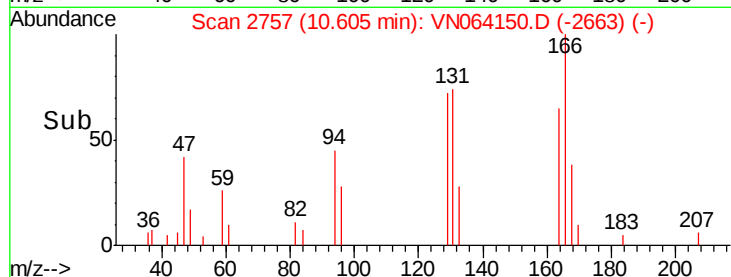
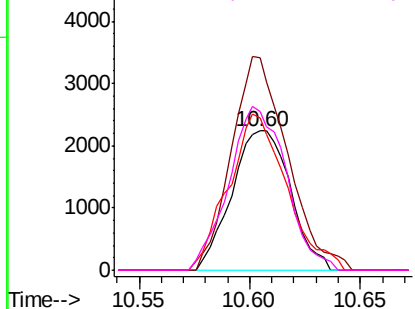
#64
Tetrachloroethene
Concen: 0.977 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN064150.D
Acq: 15 Oct 2020 17:55

Instrument :
MSVOA_N
ClientSampled :
OK-02-100120

Tot Ion:164 Resp: 4129
Ion Ratio Lower Upper
164 100
166 152.8 99.7 149.5#
129 109.4 77.0 115.4
131 113.8 74.6 111.8#

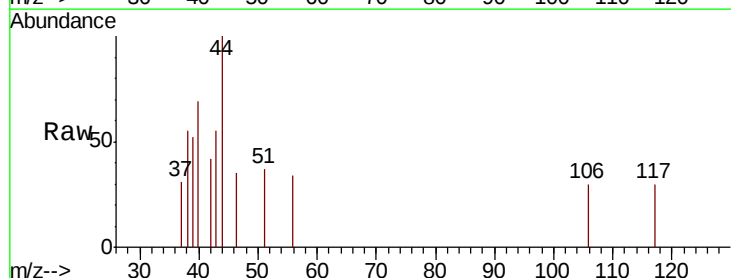


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

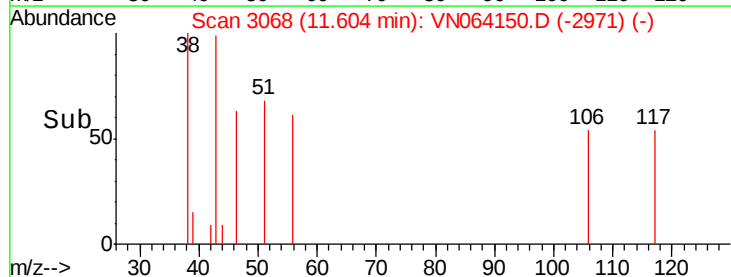
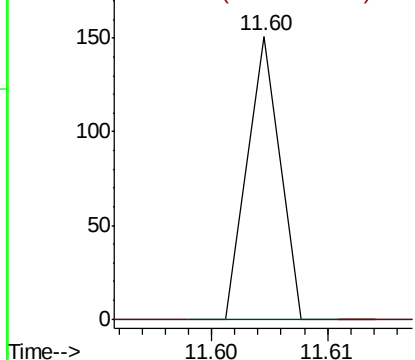


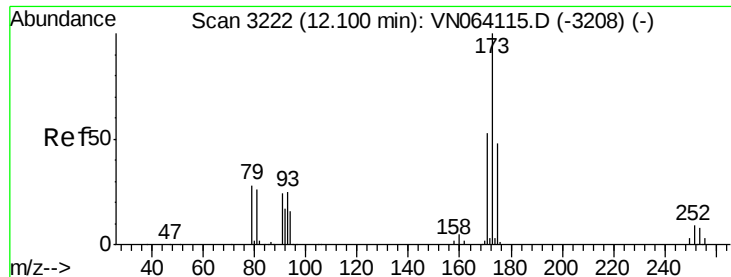
#68
m/p-Xylenes
Concen: 2.195 ug/l
RT: 11.60 min Scan# 3068
Delta R.T. 0.01 min
Lab File: VN064150.D
Acq: 15 Oct 2020 17:55

Tgt Ion:106 Resp: 29
Ion Ratio Lower Upper
106 100
91 0.0 162.1 243.1#



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V





#71

Bromoform

Concen: 2.340 ug/l

RT: 12.36 min Scan# 3304

Delta R.T. 0.26 min

Lab File: VN064150.D

Acq: 15 Oct 2020 17:55

Instrument :

MSVOA_N

ClientSampleId :

OK-02-100120

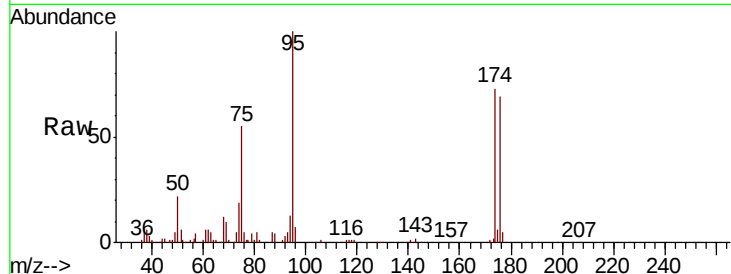
Tot Ion:173 Resp: 423

Ion Ratio Lower Upper

173 100

175 0.0 23.4 70.2#

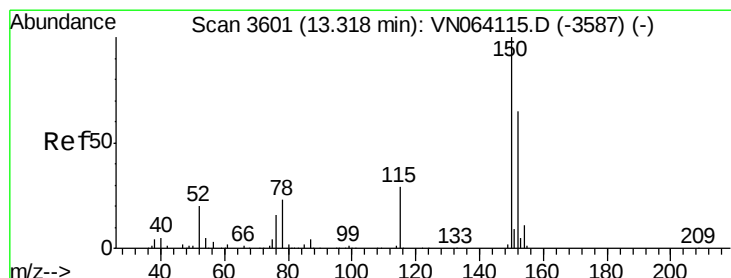
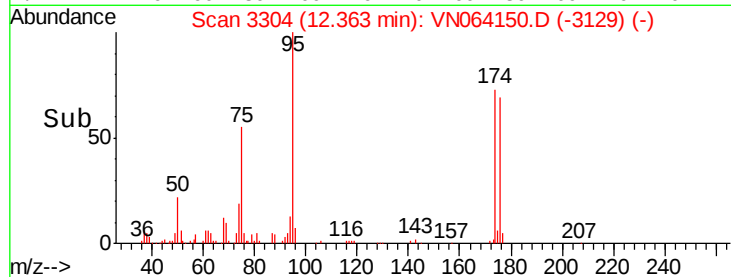
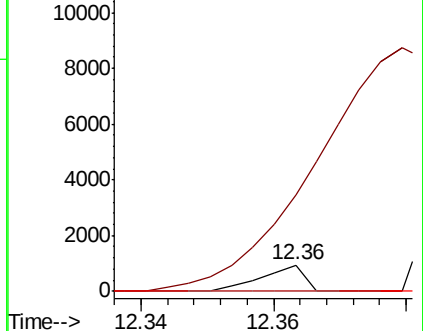
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064150.D

Acq: 15 Oct 2020 17:55

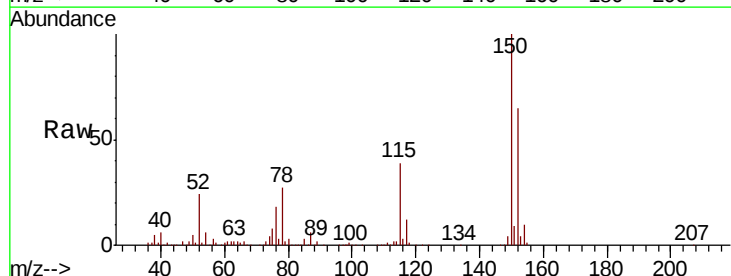
Tgt Ion:152 Resp: 205439

Ion Ratio Lower Upper

152 100

115 60.5 29.3 87.8

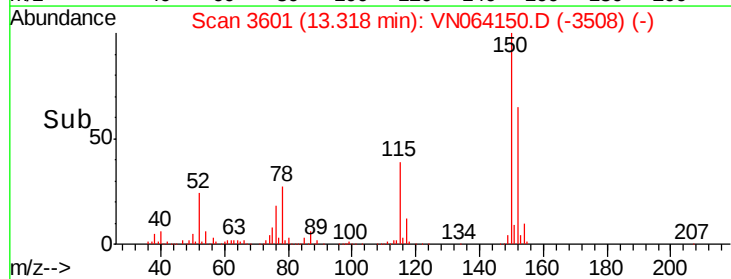
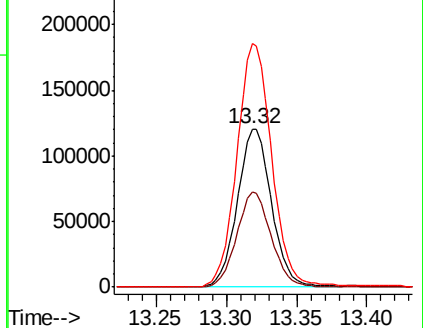
150 157.1 0.0 346.0

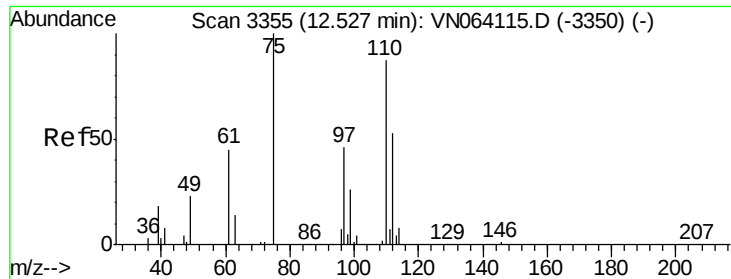


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

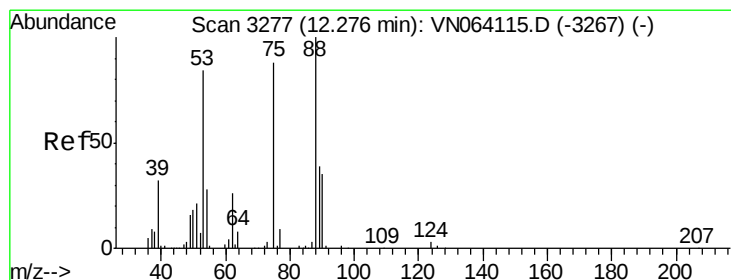
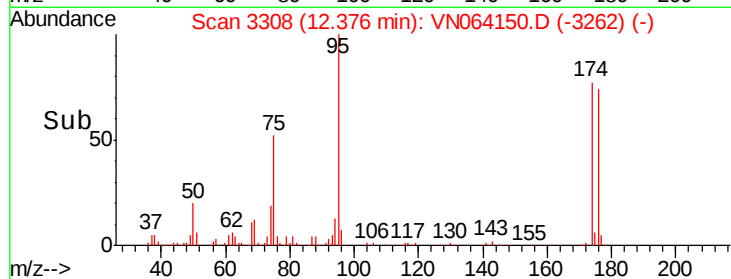
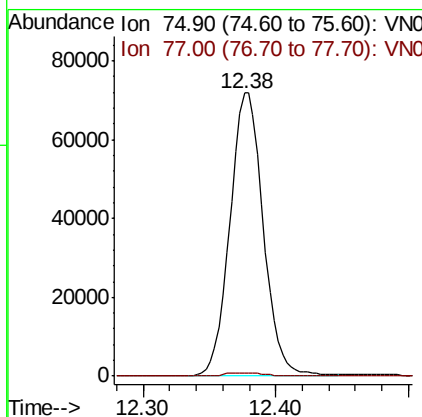
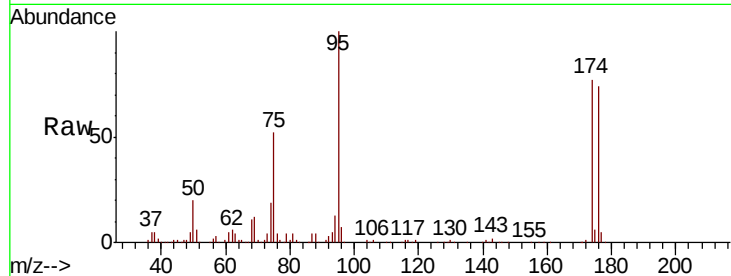




#76
 1,2,3-Trichloropropane
 Concen: 26.083 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN064150.D
 Acq: 15 Oct 2020 17:55

Instrument :
 MSVOA_N
 ClientSampleId :
 OK-02-100120

Tot Ion: 75 Resp: 125714
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.689 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN064150.D
 Acq: 15 Oct 2020 17:55

Tgt Ion: 75 Resp: 125714
 Ion Ratio Lower Upper
 75 100
 53 0.1 75.7 113.5#
 89 0.1 36.6 55.0#

