

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101520\
 Data File : VN064136.D
 Acq On : 15 Oct 2020 12:05
 Operator : JC/MD
 Sample : VN1015WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBL01

Quant Time: Oct 16 02:21:00 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	278750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	536024	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	566205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	194869	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	227453	57.29	ug/l	0.00
Spiked Amount 50.000			Recovery =	114.58%		
35) Dibromofluoromethane	7.55	113	187177	50.45	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.90%		
50) Toluene-d8	10.06	98	696543	49.76	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.52%		
62) 4-Bromofluorobenzene	12.38	95	236636	49.18	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.36%		

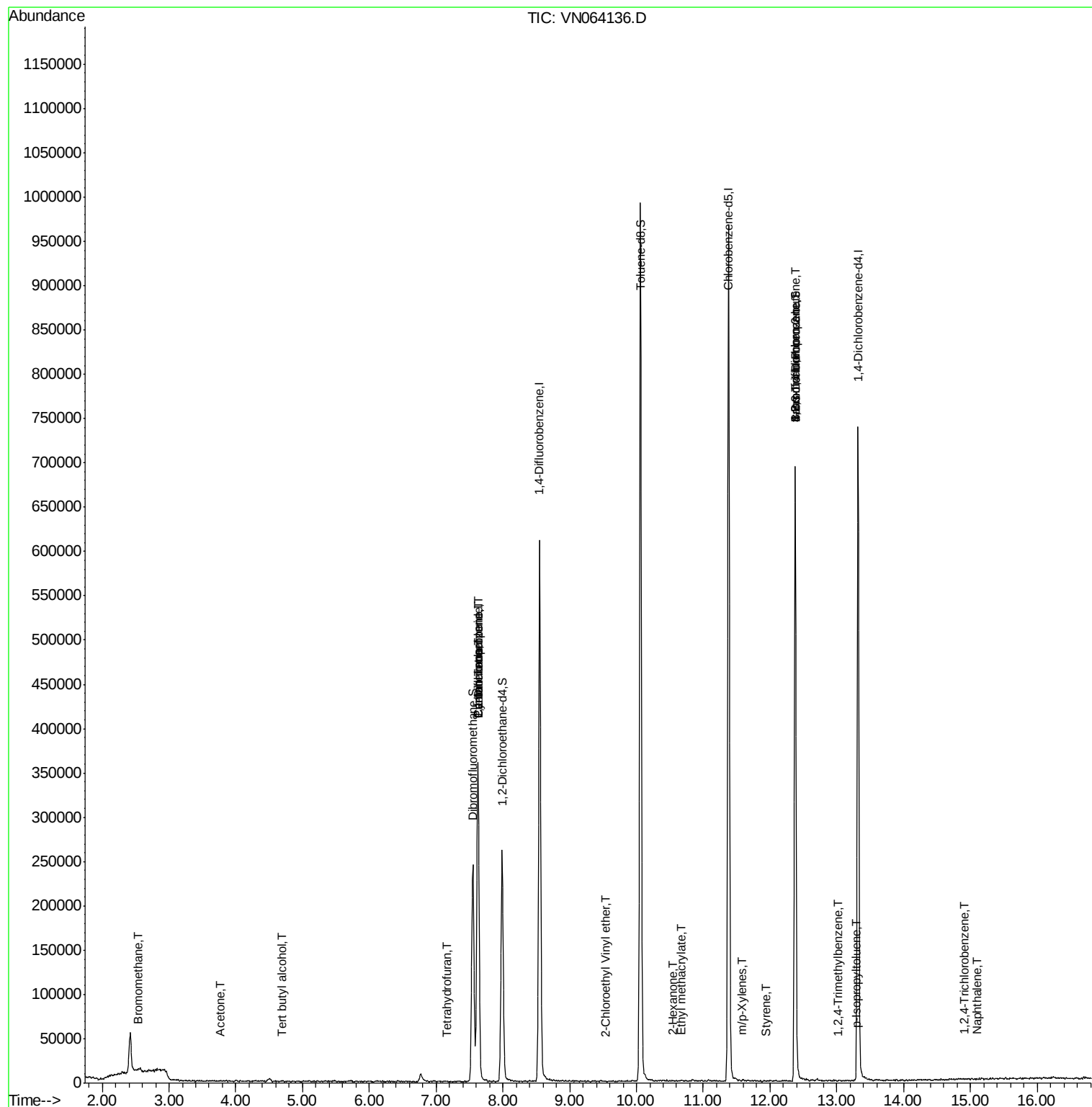
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	683	0.224	ug/l #	63
11) Tert butyl alcohol	4.69	59	176	0.400	ug/l #	71
16) Acetone	3.77	43	598	0.508	ug/l #	43
29) Tetrahydrofuran	7.16	42	220	0.208	ug/l #	31
31) Cyclohexane	7.62	56	7031	1.602	ug/l #	57
36) 1,1-Dichloropropene	7.62	75	24336	4.710	ug/l #	42
38) Carbon Tetrachloride	7.63	117	29537	5.317	ug/l #	17
56) Ethyl methacrylate	10.67	69	30	2.304	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.54	63	30	12.229	ug/l #	48
59) 2-Hexanone	10.55	43	94	6.864	ug/l #	78
68) m/p-Xylenes	11.59	106	66	2.200	ug/l #	1
70) Styrene	11.94	104	62	2.041	ug/l #	26
71) Bromoform	12.37	173	1268	2.554	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	123157	26.939	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	123157	82.302	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.02	105	224	0.203	ug/l #	31
86) p-Isopropyltoluene	13.28	119	253	0.684	ug/l #	73
93) 1,2,4-Trichlorobenzene	14.90	180	73	3.202	ug/l #	14
95) Naphthalene	15.11	128	93	3.806	ug/l #	70

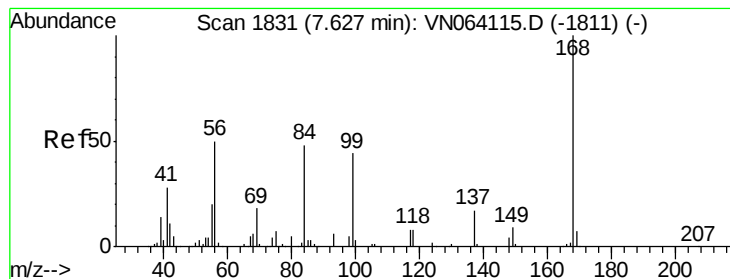
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 16 02:21:00 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: VN064136.D

Acq: 15 Oct 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

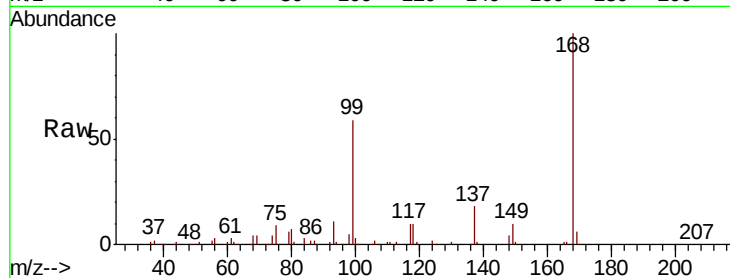
VN1015WBL01

Tot Ion:168 Resp: 278750

Ion Ratio Lower Upper

168 100

99 58.8 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

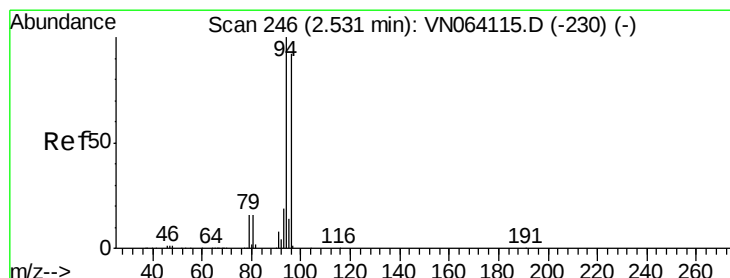
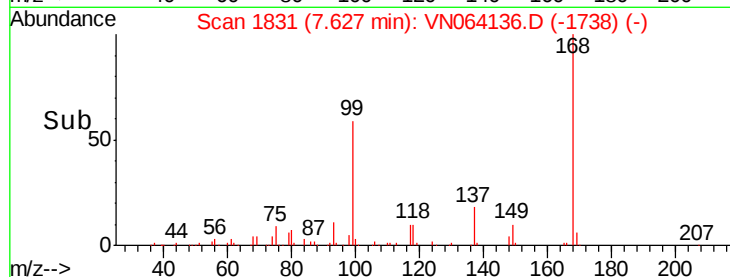
7.63

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.224 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN064136.D

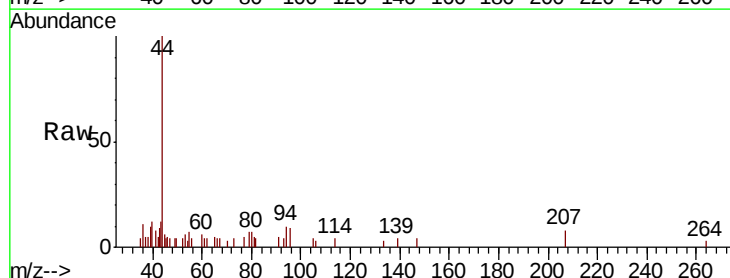
Acq: 15 Oct 2020 12:05

Tgt Ion: 94 Resp: 683

Ion Ratio Lower Upper

94 100

96 56.2 73.5 110.3#



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.54

500

400

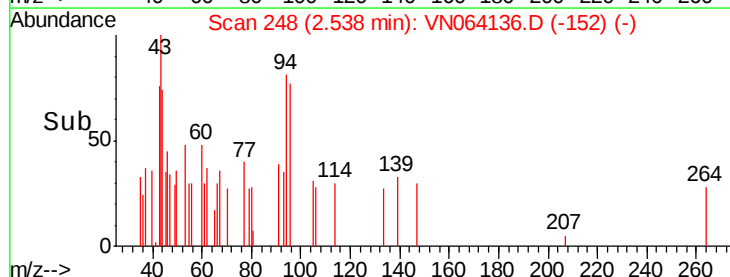
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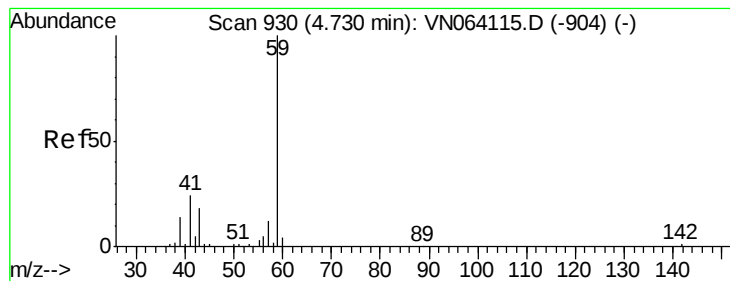
200

100

0

Time-->



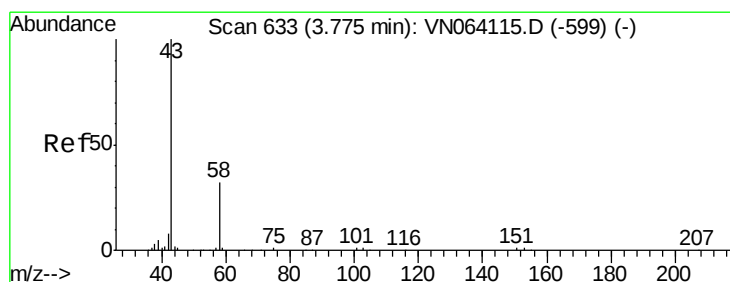
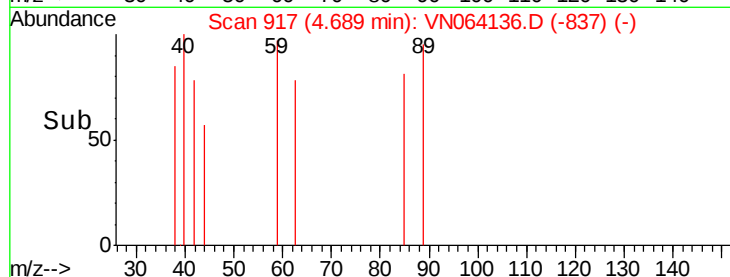
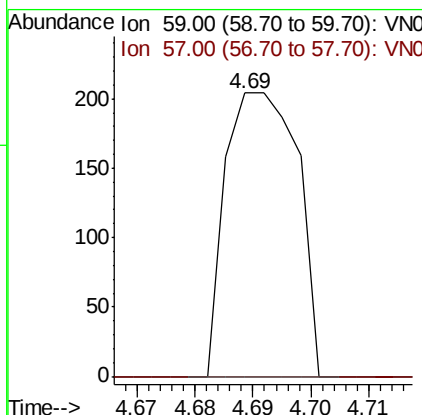
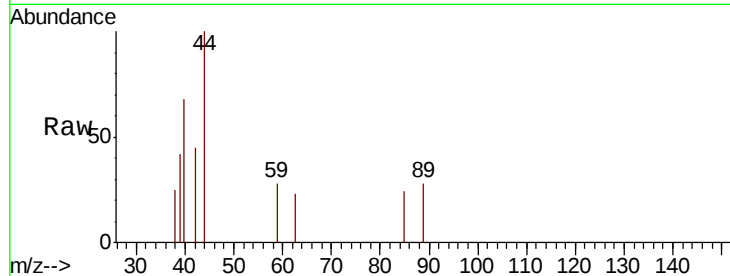


#11

Tert butyl alcohol
 Concen: 0.400 ug/l
 RT: 4.69 min Scan# 917
 Delta R.T. -0.04 min
 Lab File: VN064136.D
 Acq: 15 Oct 2020 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBL01

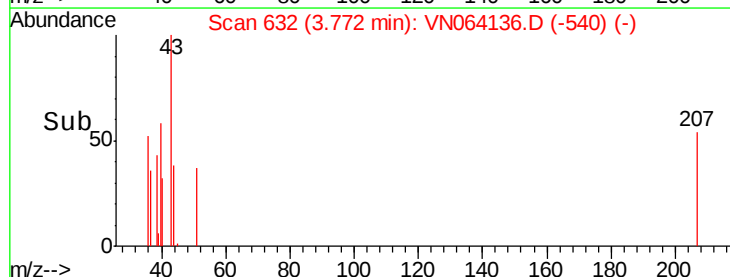
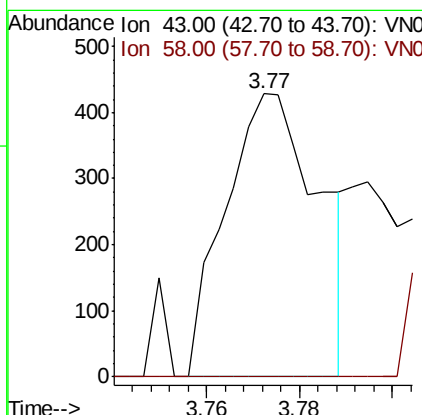
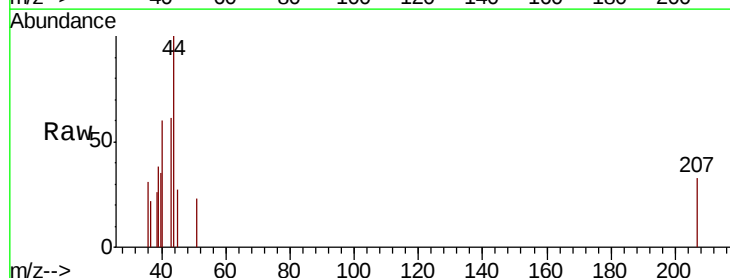
Tot Ion: 59 Resp: 176
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.9 13.3#

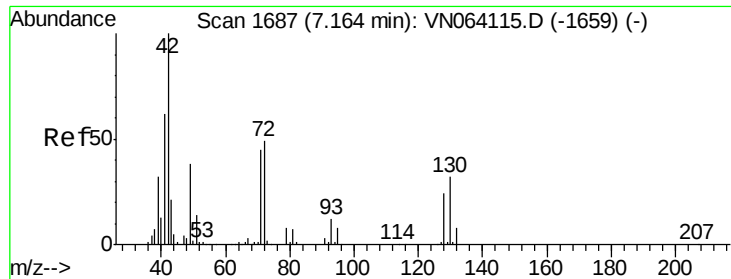


#16

Acetone
 Concen: 0.508 ug/l
 RT: 3.77 min Scan# 632
 Delta R.T. -0.00 min
 Lab File: VN064136.D
 Acq: 15 Oct 2020 12:05

Tgt Ion: 43 Resp: 598
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.2 37.8#

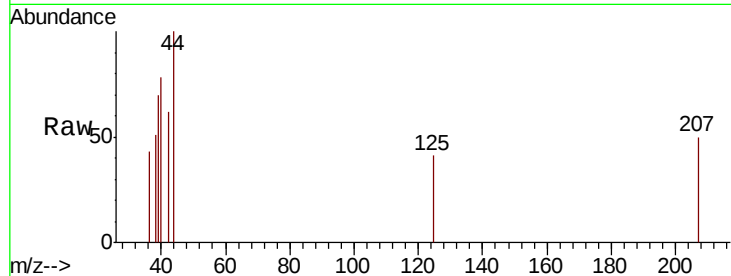




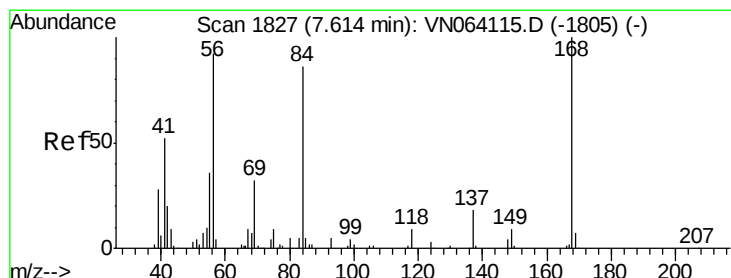
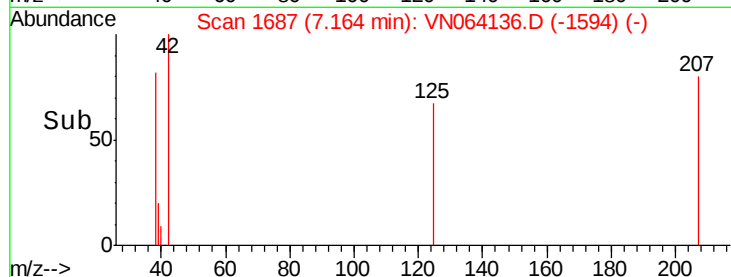
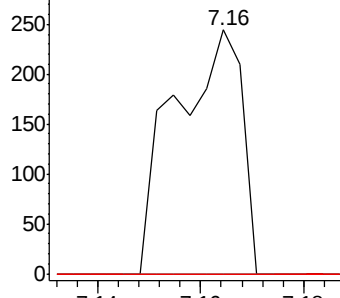
#29
Tetrahydrofuran
Concen: 0.208 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN064136.D
Acq: 15 Oct 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBL01

Tot Ion: 42 Resp: 220
Ion Ratio Lower Upper
42 100
72 0.0 37.8 56.6#
71 0.0 35.3 52.9#

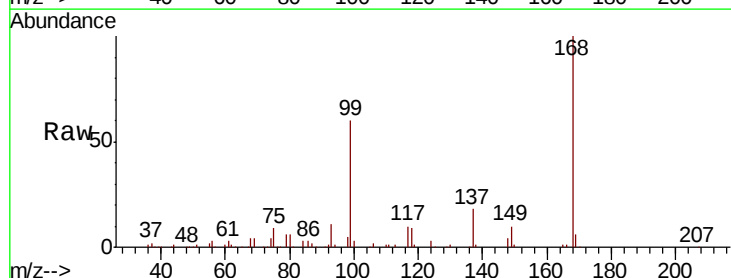


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

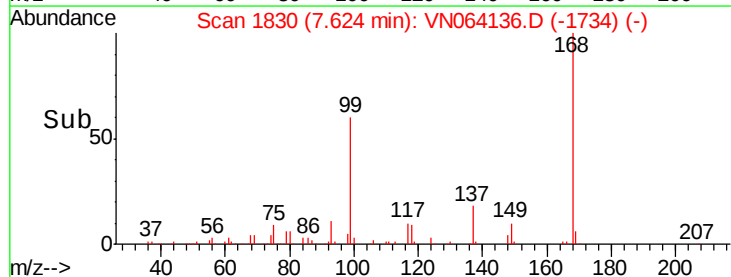
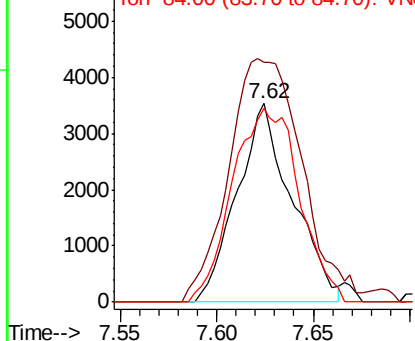


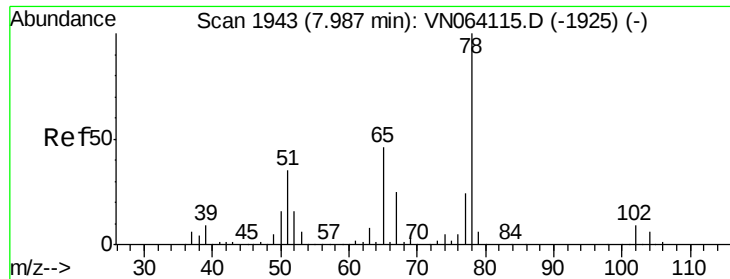
#31
Cyclohexane
Concen: 1.602 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN064136.D
Acq: 15 Oct 2020 12:05

Tgt Ion: 56 Resp: 7031
Ion Ratio Lower Upper
56 100
69 114.3 27.8 41.6#
84 97.8 73.2 109.8



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: 57.293 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064136.D

Acq: 15 Oct 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

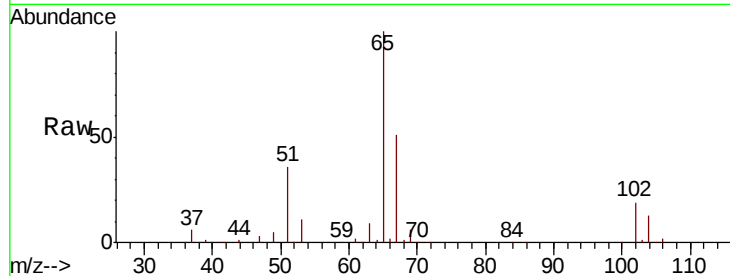
VN1015WBL01

Tot Ion: 65 Resp: 227453

Ion Ratio Lower Upper

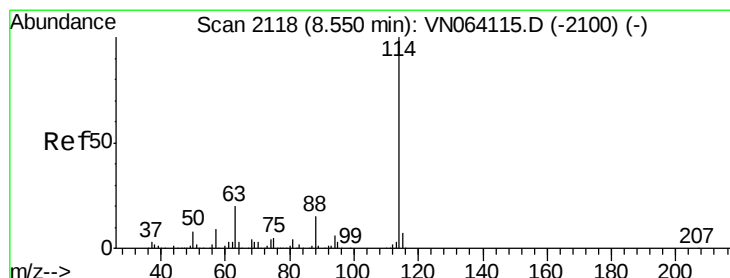
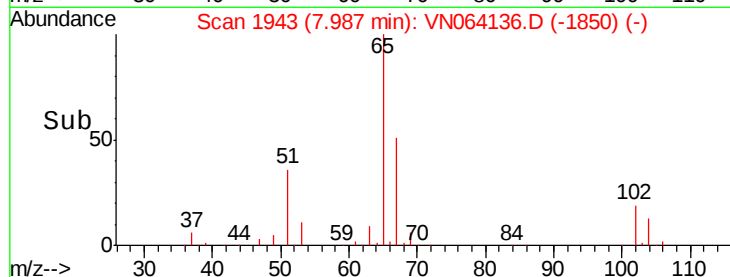
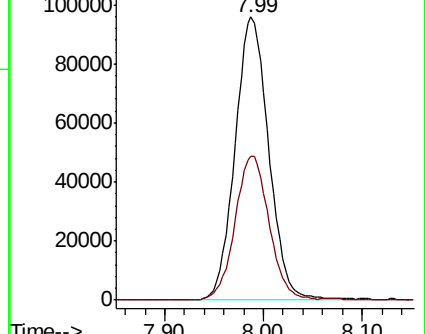
65 100

67 51.4 0.0 105.6



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: VN064136.D

Acq: 15 Oct 2020 12:05

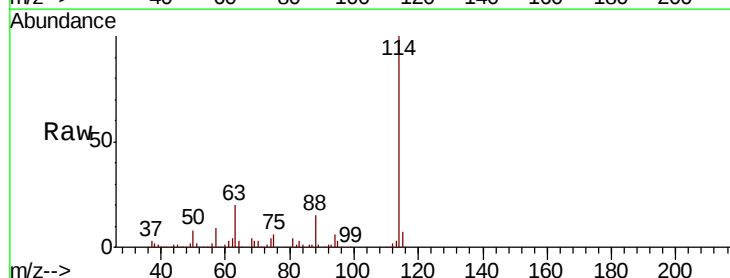
Tgt Ion: 114 Resp: 536024

Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.0

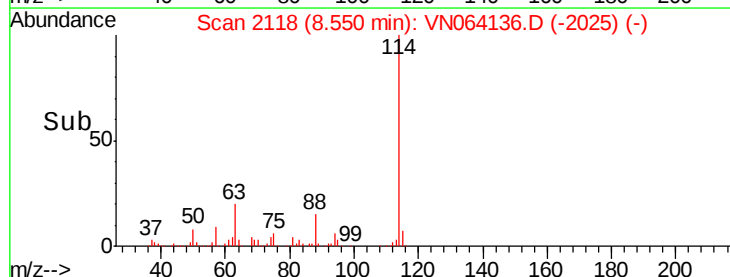
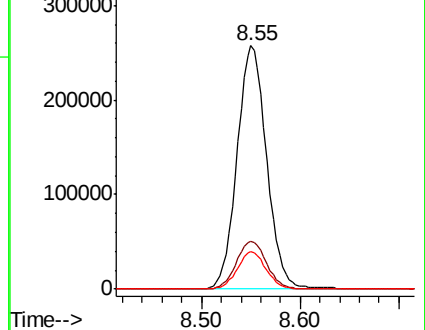
88 15.4 0.0 29.2

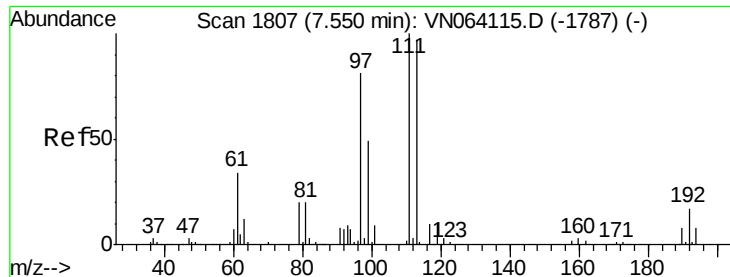


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

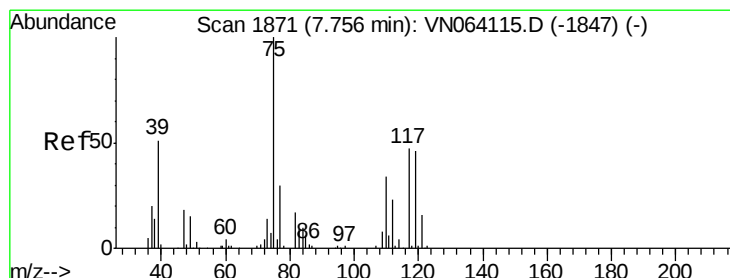
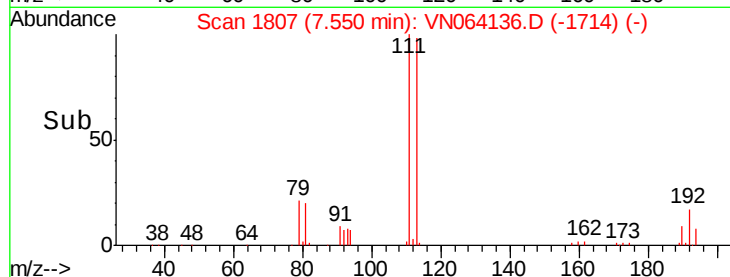
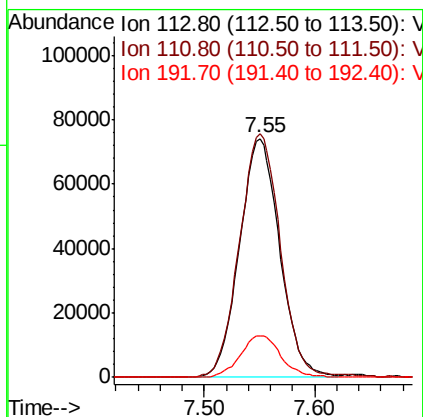
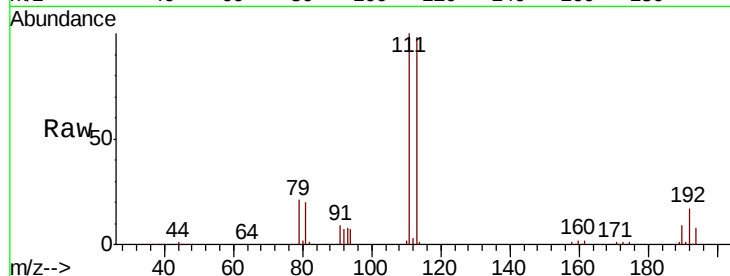




#35
 Dibromofluoromethane
 Concen: 50.451 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064136.D
 Acq: 15 Oct 2020 12:05

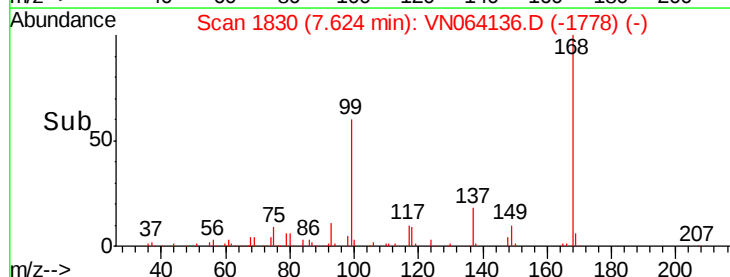
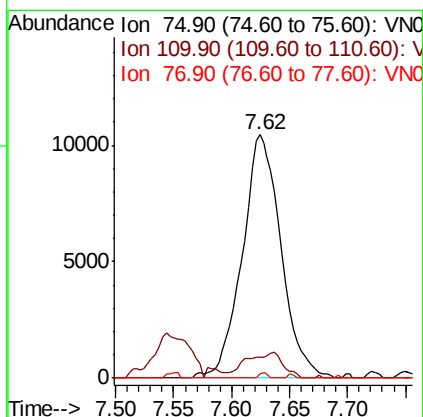
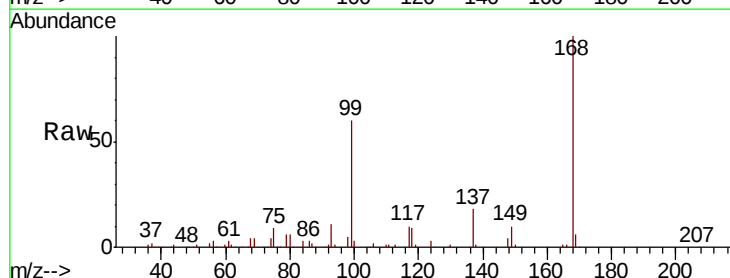
Instrument :
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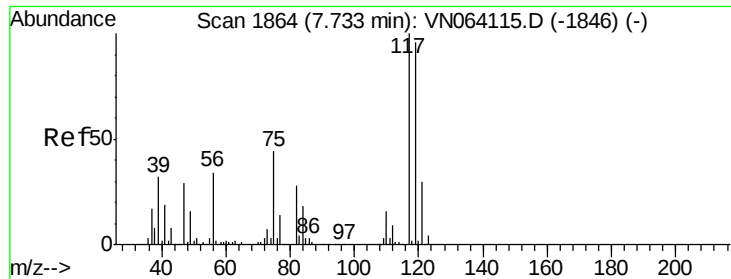
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.9	122.9
192	17.7	14.3	21.5



#36
 1,1-Dichloropropene
 Concen: 4.710 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064136.D
 Acq: 15 Oct 2020 12:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.8	53.3#
77	0.5	24.9	37.3#

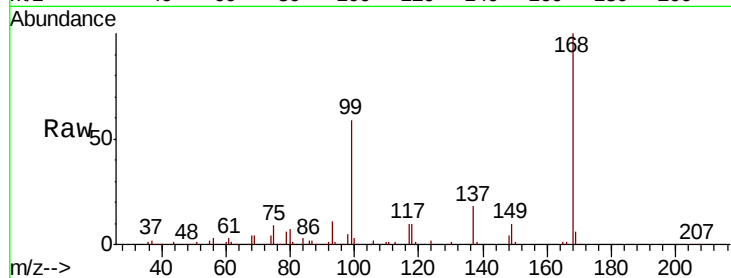




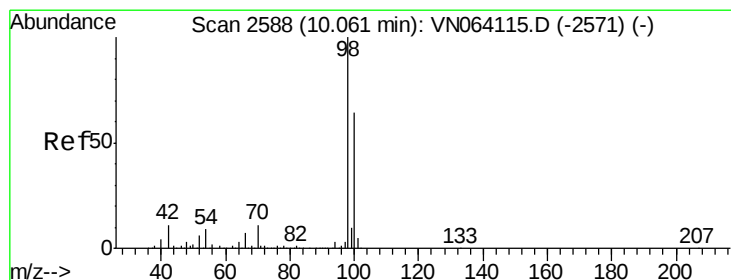
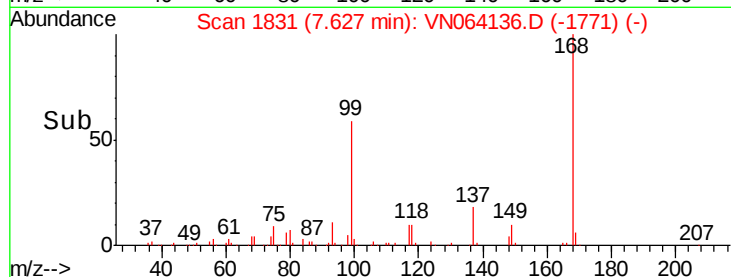
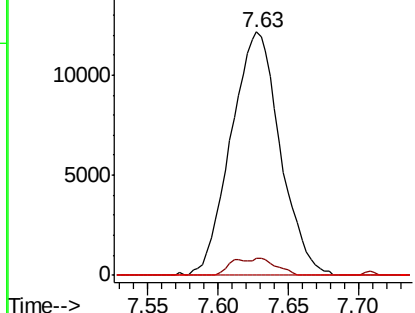
#38
Carbon Tetrachloride
Concen: 5.317 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064136.D
Acq: 15 Oct 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBL01

Tot Ion:117 Resp: 29537
Ion Ratio Lower Upper
117 100
119 6.8 77.0 115.4#
121 0.0 24.2 36.4#

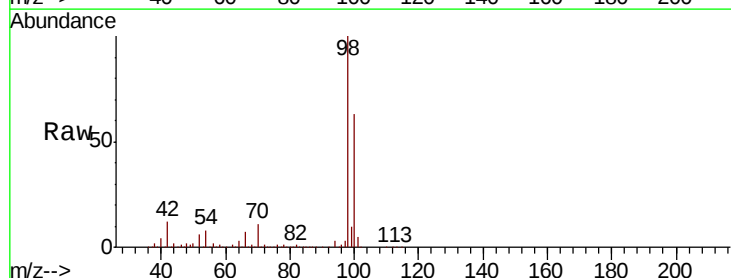


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

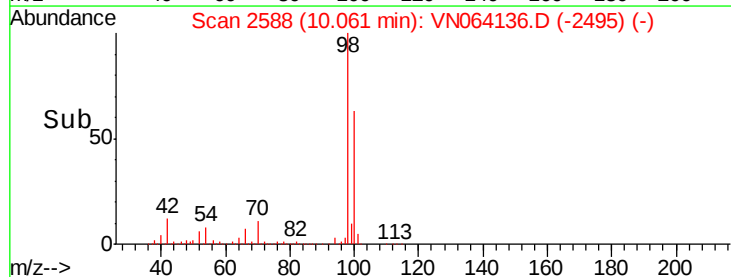
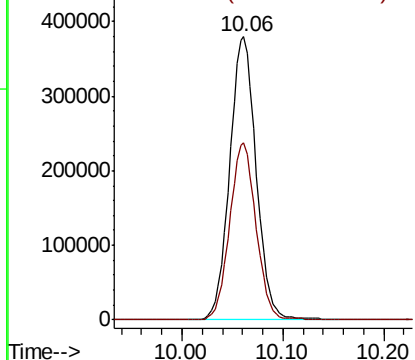


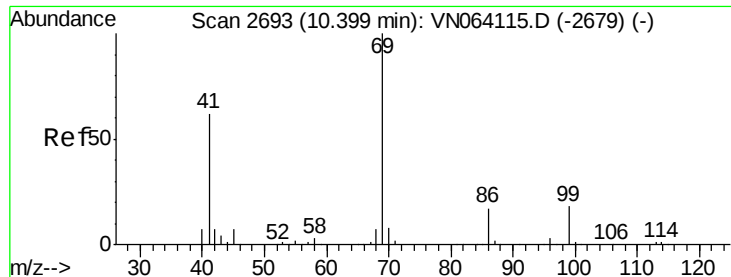
#50
Toluene-d8
Concen: 49.758 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064136.D
Acq: 15 Oct 2020 12:05

Tgt Ion: 98 Resp: 696543
Ion Ratio Lower Upper
98 100
100 62.3 50.8 76.2



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





#56

Ethyl methacrylate

Concen: 2.304 ug/l

RT: 10.67 min Scan# 2776

Delta R.T. 0.27 min

Lab File: VN064136.D

Acq: 15 Oct 2020 12:05

Instrument :

MSVOA_N

ClientSampled :

VN1015WBL01

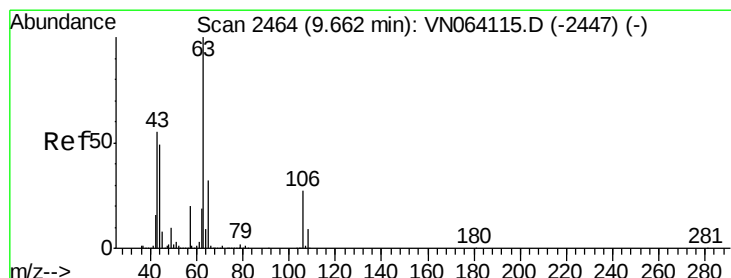
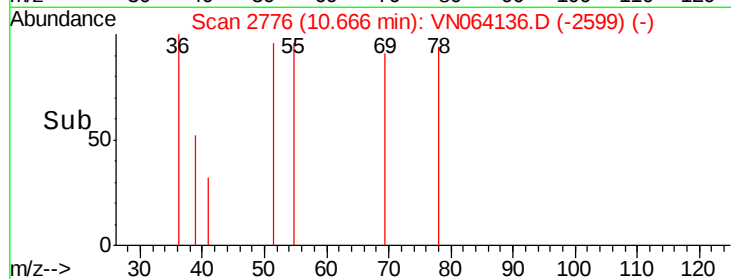
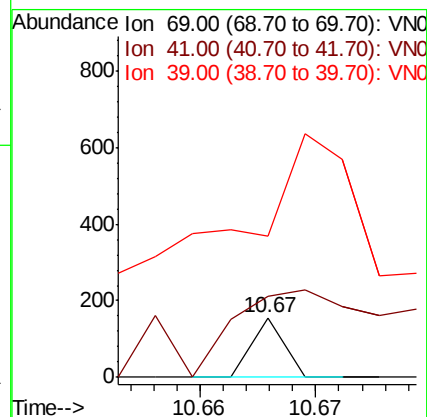
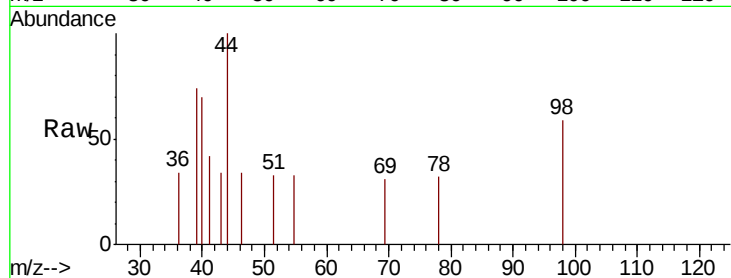
Tot Ion: 69.00 Resp: 30

Ion Ratio Lower Upper

69 100

41 706.7 49.3 73.9#

39 820.0 32.7 49.1#



#58

2-Chloroethyl Vinyl ether

Concen: 12.229 ug/l

RT: 9.54 min Scan# 2426

Delta R.T. -0.12 min

Lab File: VN064136.D

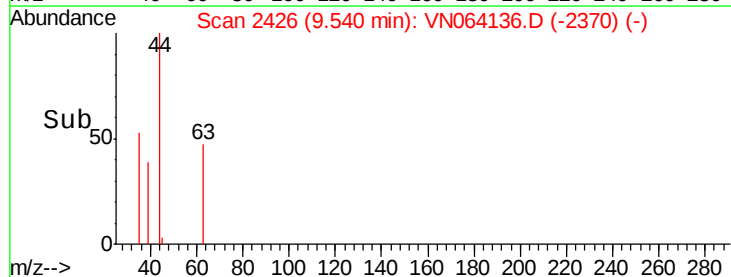
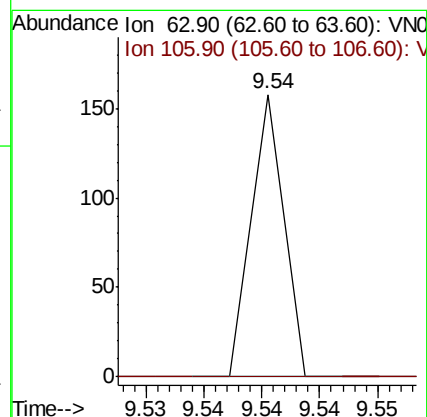
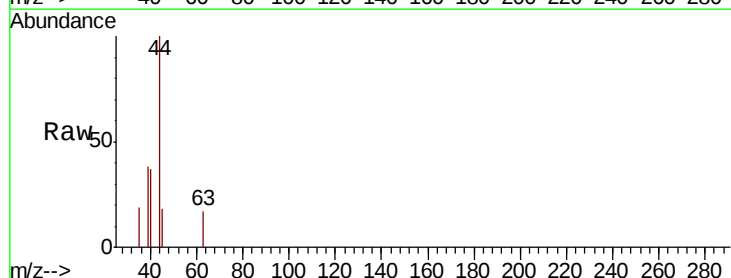
Acq: 15 Oct 2020 12:05

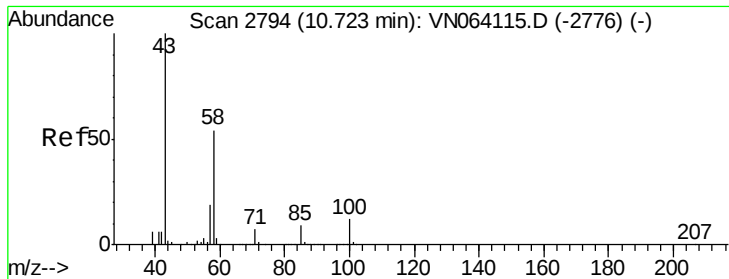
Tgt Ion: 63 Resp: 30

Ion Ratio Lower Upper

63 100

106 0.0 21.8 32.6#





#59

2-Hexanone

Concen: 6.864 ug/l

RT: 10.55 min Scan# 2739

Delta R.T. -0.18 min

Lab File: VN064136.D

Acq: 15 Oct 2020 12:05

Instrument :

MSVOA_N

ClientSampled :

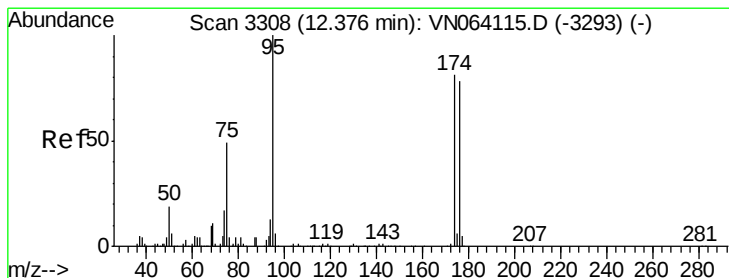
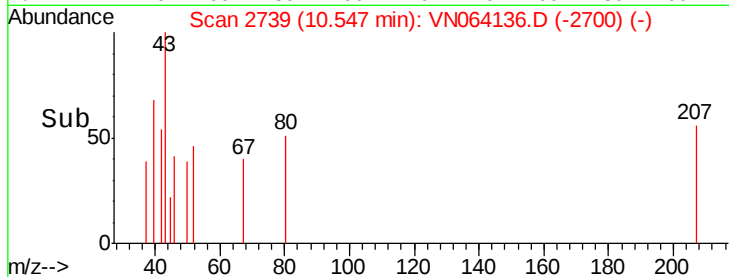
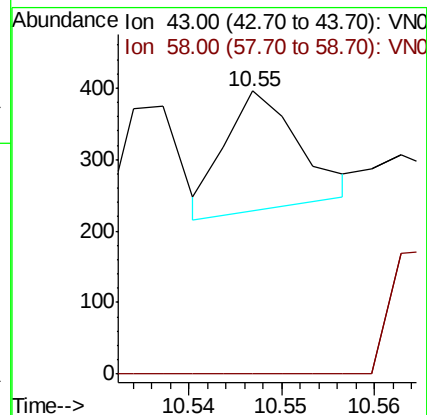
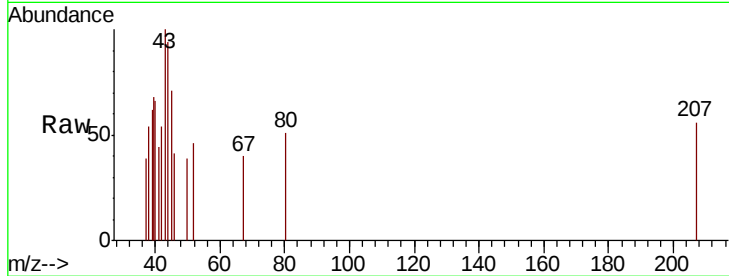
VN1015WBL01

Tot Ion: 43 Resp: 94

Ion Ratio Lower Upper

43 100

58 70.2 27.2 81.6



#62

4-Bromofluorobenzene

Concen: 49.179 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064136.D

Acq: 15 Oct 2020 12:05

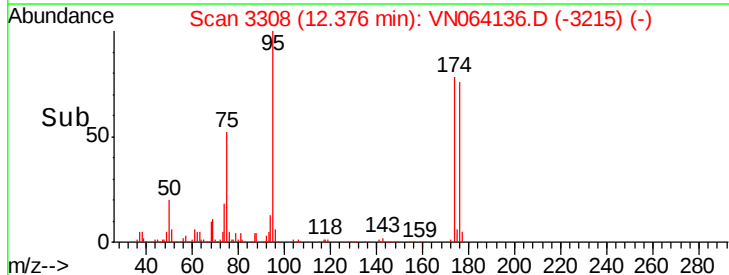
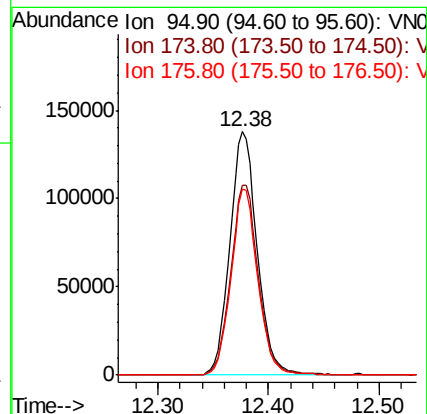
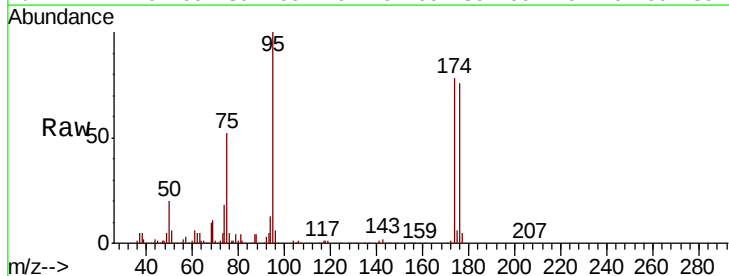
Tgt Ion: 95 Resp: 236636

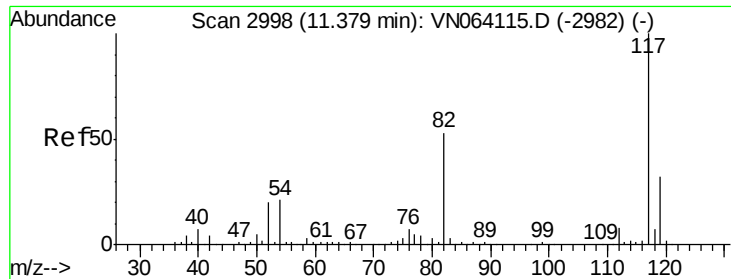
Ion Ratio Lower Upper

95 100

174 78.8 0.0 164.8

176 75.1 0.0 157.8

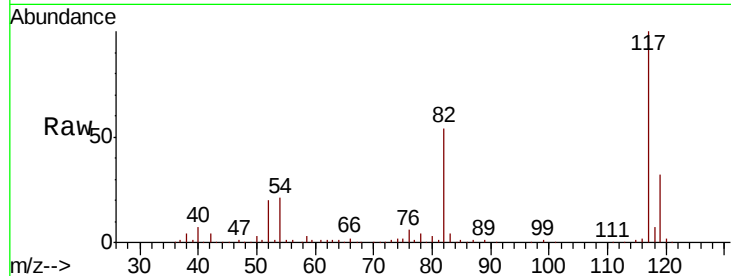




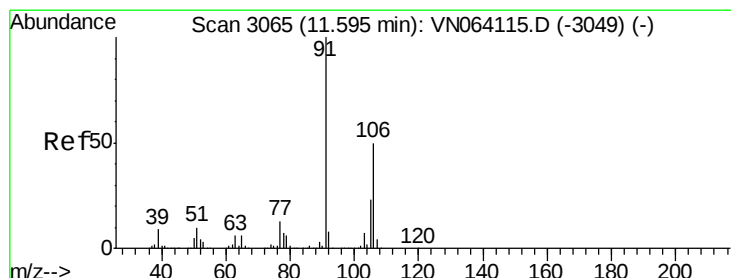
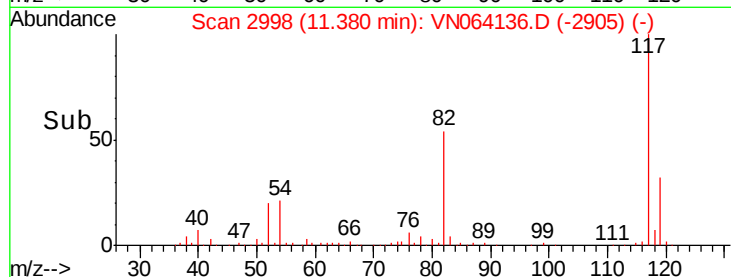
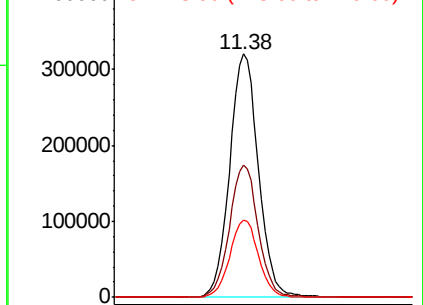
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064136.D
Acq: 15 Oct 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBL01

Tot Ion:117 Resp: 566205
Ion Ratio Lower Upper
117 100
82 54.2 42.6 63.8
119 31.7 25.5 38.3

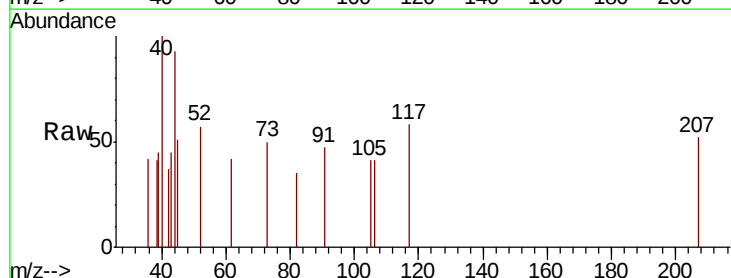


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

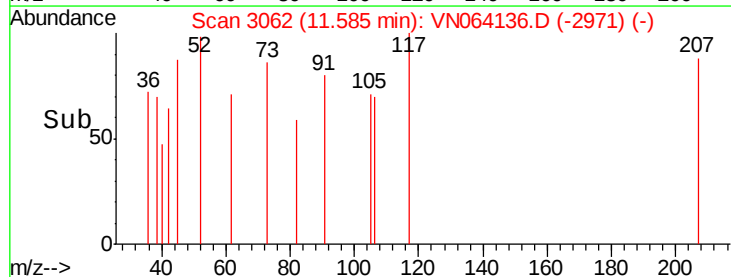
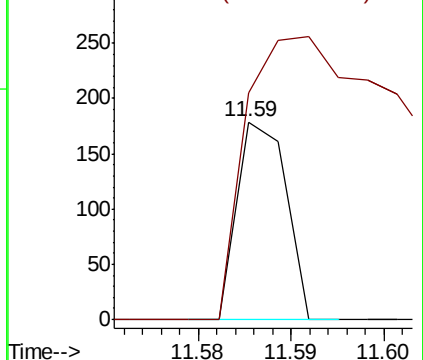


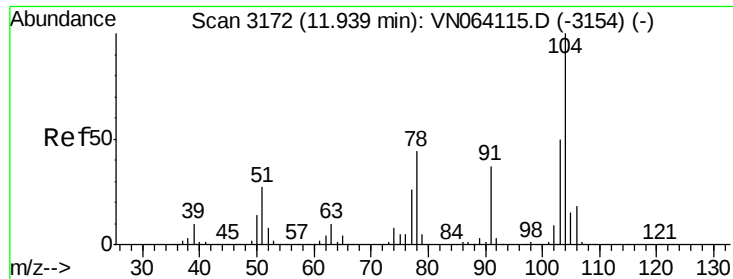
#68
m/p-Xylenes
Concen: 2.200 ug/l
RT: 11.59 min Scan# 3062
Delta R.T. -0.01 min
Lab File: VN064136.D
Acq: 15 Oct 2020 12:05

Tgt Ion:106 Resp: 66
Ion Ratio Lower Upper
106 100
91 445.5 162.1 243.1#



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

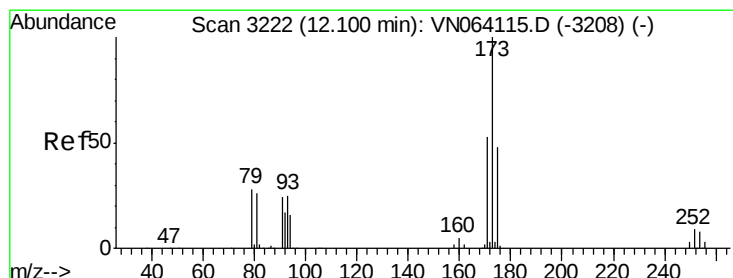
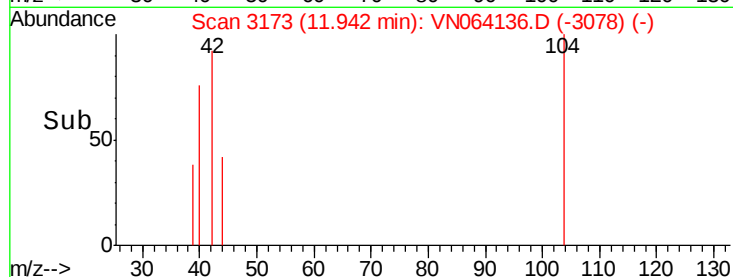
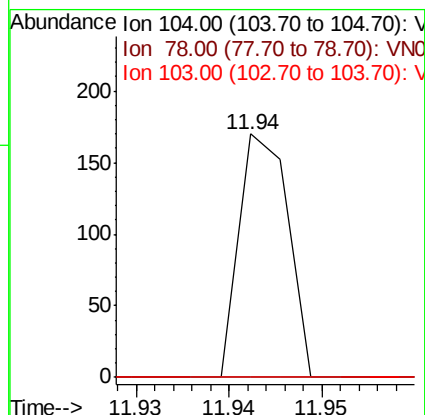
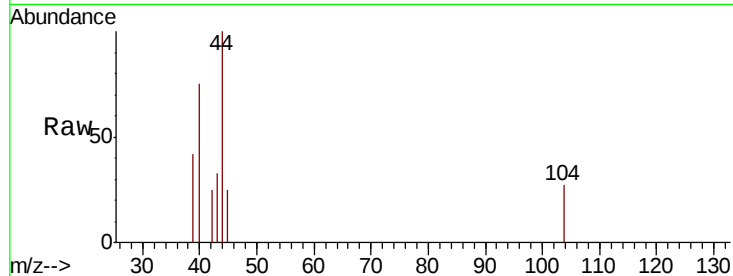




#70
Stvrene
Concen: 2.041 ug/l
RT: 11.94 min Scan# 3173
Delta R.T. 0.00 min
Lab File: VN064136.D
Acq: 15 Oct 2020 12:05

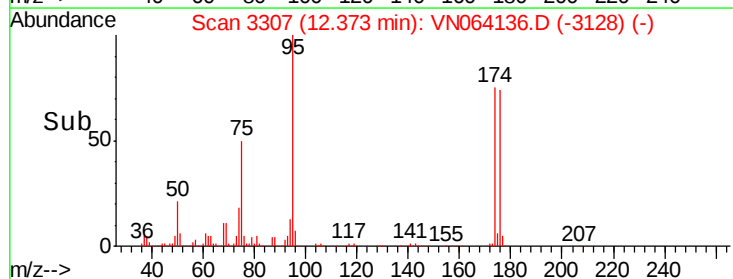
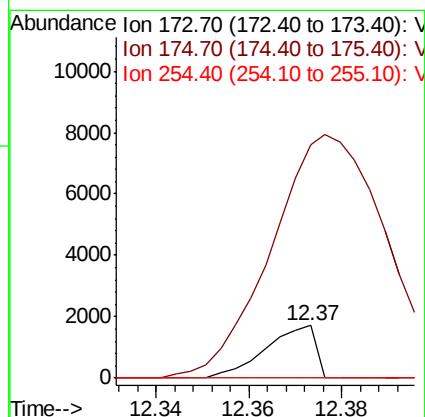
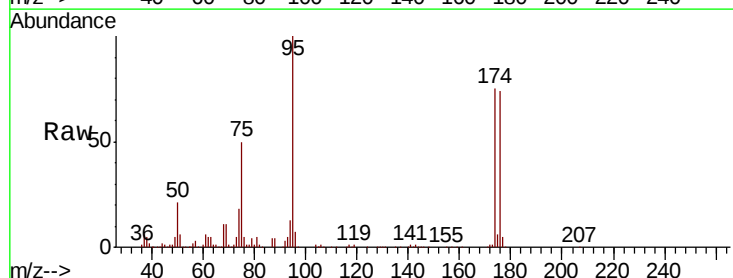
Instrument :
MSVOA_N
ClientSampleId :
VN1015WBL01

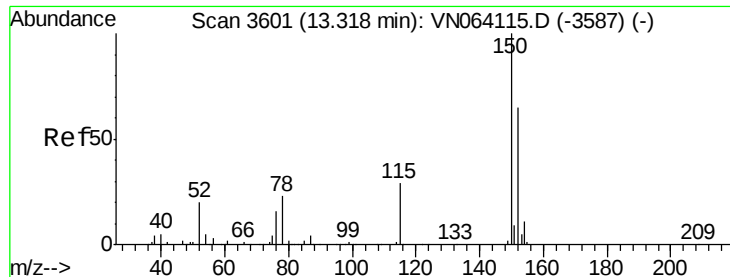
Tot Ion:104 Resp: 62
Ion Ratio Lower Upper
104 100
78 0.0 39.7 59.5#
103 0.0 44.2 66.2#



#71
Bromoform
Concen: 2.554 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.27 min
Lab File: VN064136.D
Acq: 15 Oct 2020 12:05

Tgt Ion:173 Resp: 1268
Ion Ratio Lower Upper
173 100
175 880.1 23.4 70.2#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064136.D

Acq: 15 Oct 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBL01

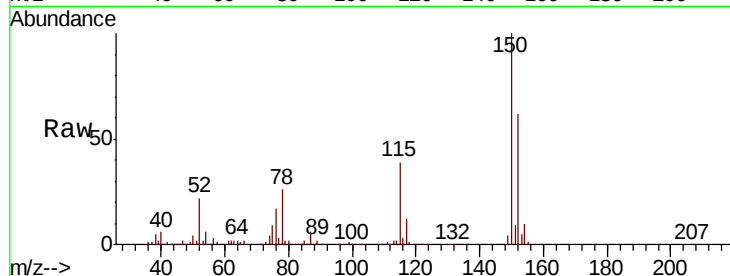
Tot Ion:152 Resp: 194869

Ion Ratio Lower Upper

152 100

115 60.6 29.3 87.8

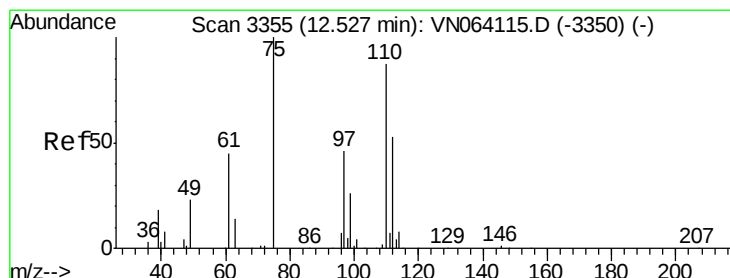
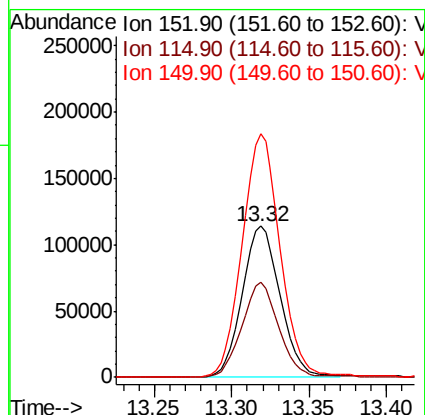
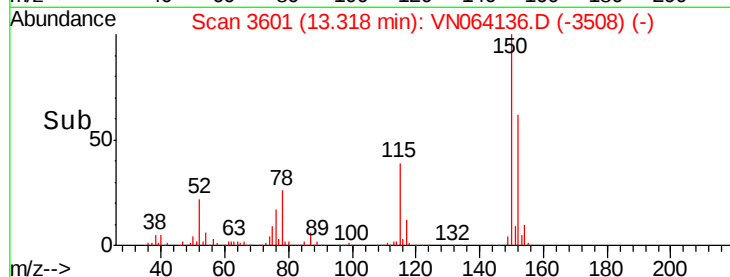
150 162.2 0.0 346.0



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: 26.939 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064136.D

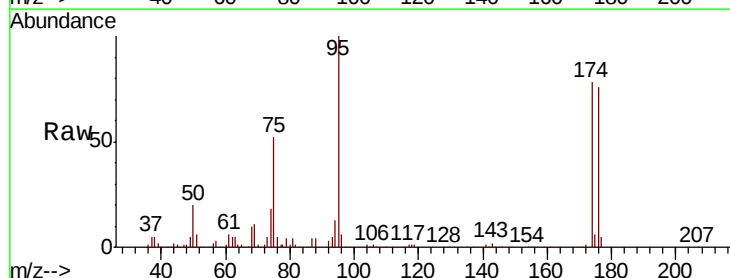
Acq: 15 Oct 2020 12:05

Tgt Ion: 75 Resp: 123157

Ion Ratio Lower Upper

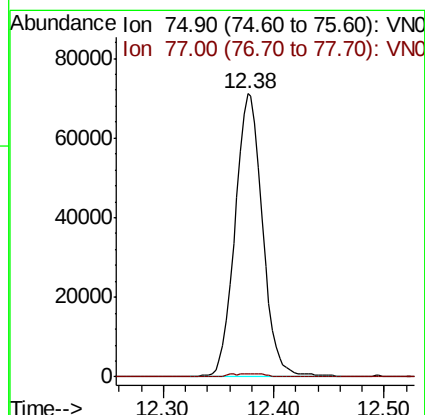
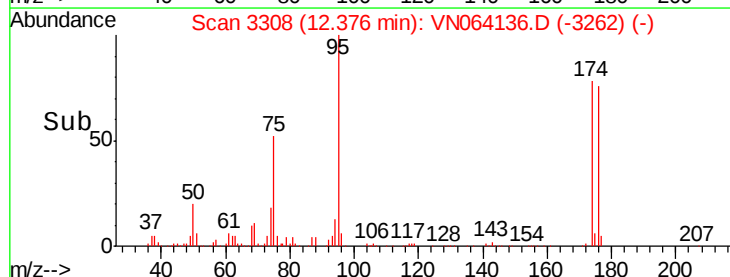
75 100

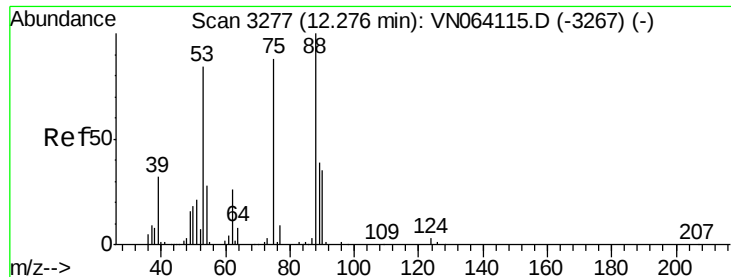
77 1.1 0.0 0.0#



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: 82.302 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064136.D

Acq: 15 Oct 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBL01

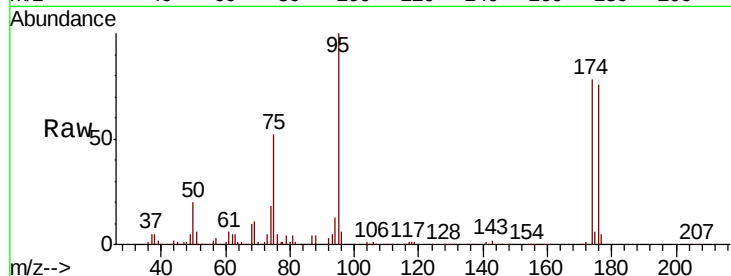
Tot Ion: 75 Resp: 123157

Ion Ratio Lower Upper

75 100

53 0.4 75.7 113.5#

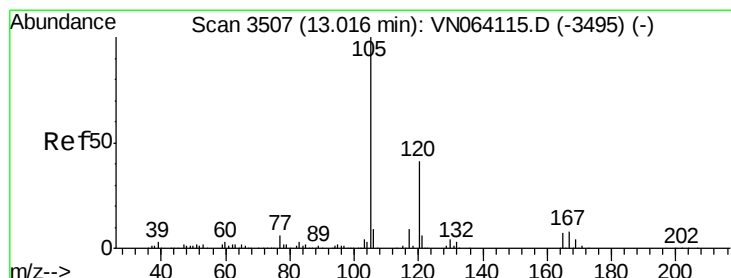
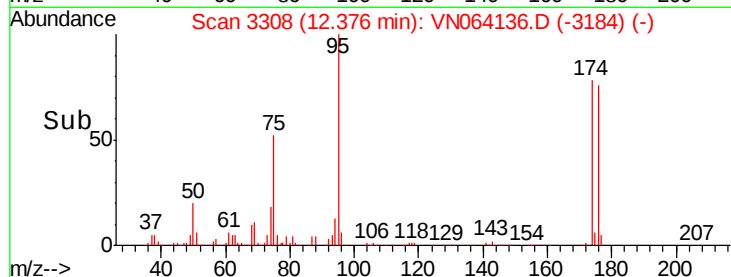
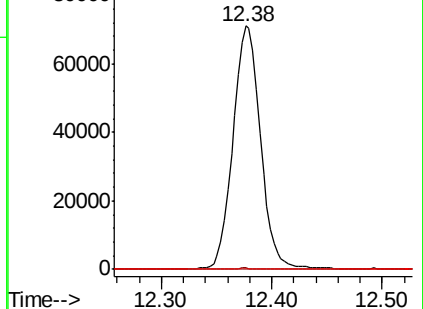
89 0.0 36.6 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VN064136.D (-3184) (-)

Ion 53.00 (52.70 to 53.70): VN064136.D (-3184) (-)

Ion 88.90 (88.60 to 89.60): VN064136.D (-3184) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.203 ug/l

RT: 13.02 min Scan# 3507

Delta R.T. 0.00 min

Lab File: VN064136.D

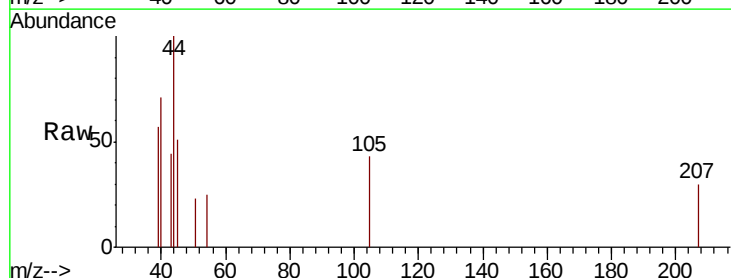
Acq: 15 Oct 2020 12:05

Tgt Ion: 105 Resp: 224

Ion Ratio Lower Upper

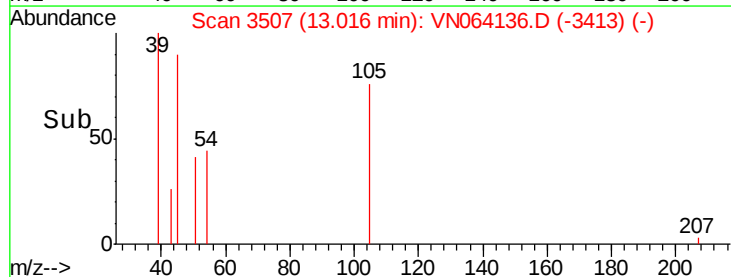
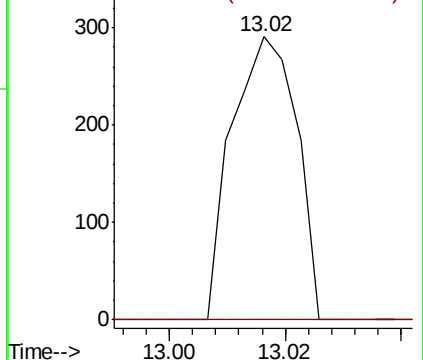
105 100

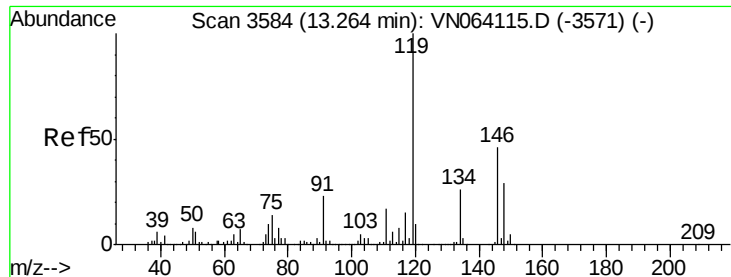
120 0.0 22.8 68.4#



Abundance Ion 105.00 (104.70 to 105.70): VN064136.D (-3413) (-)

Ion 120.00 (119.70 to 120.70): VN064136.D (-3413) (-)

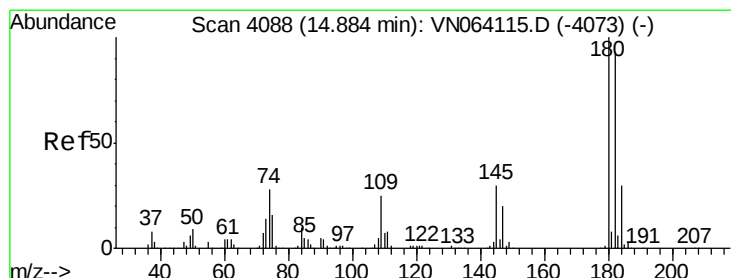
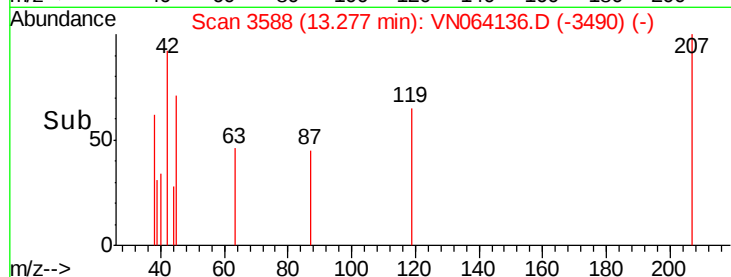
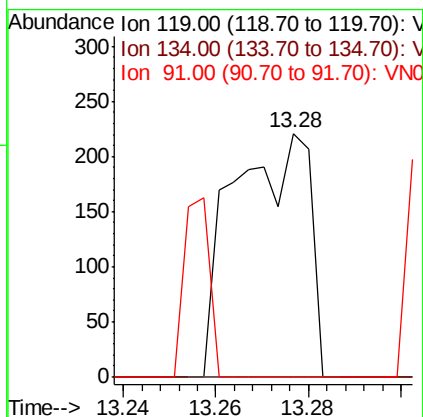
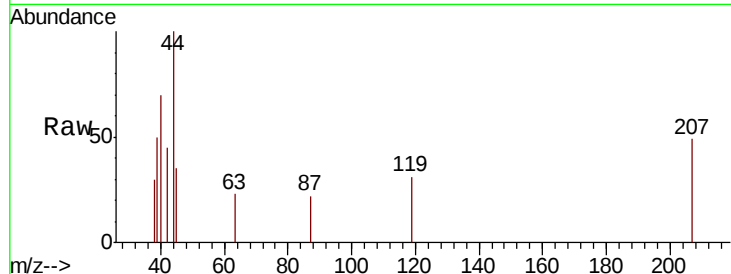




#86
 p-Isopropyltoluene
 Concen: 0.684 ug/l
 RT: 13.28 min Scan# 3588
 Delta R.T. 0.01 min
 Lab File: VN064136.D
 Acq: 15 Oct 2020 12:05

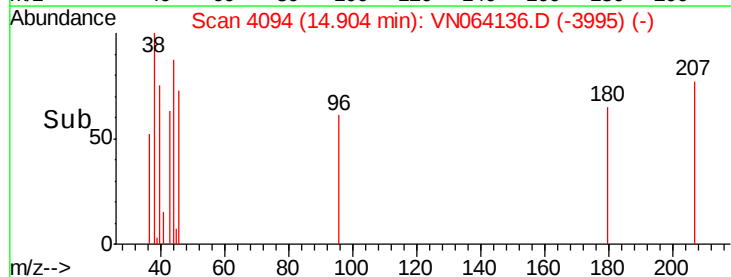
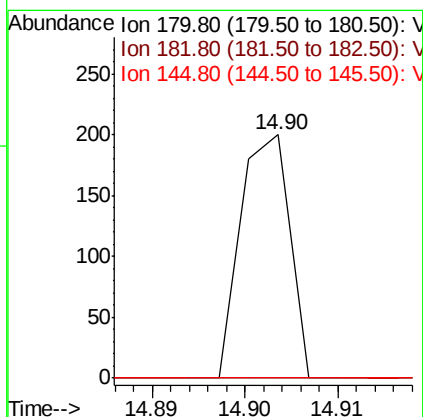
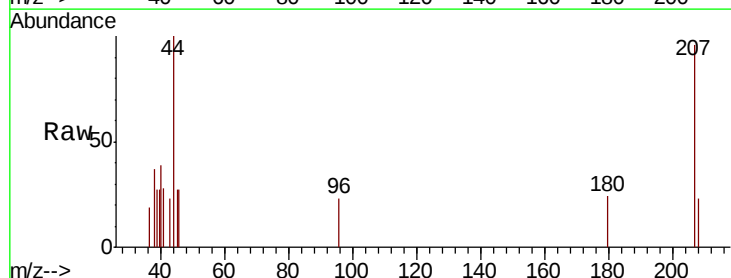
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBL01

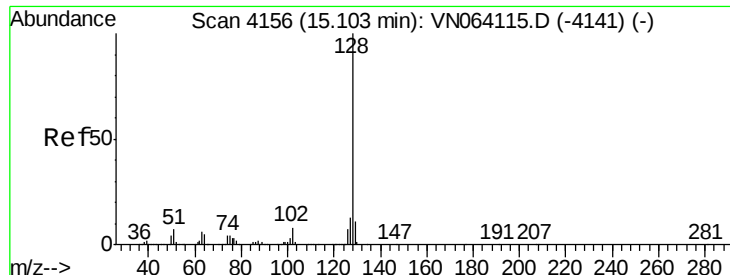
Tot Ion:119 Resp: 253
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.2 39.5#
 91 24.1 12.0 36.1



#93
 1,2,4-Trichlorobenzene
 Concen: 3.202 ug/l
 RT: 14.90 min Scan# 4094
 Delta R.T. 0.02 min
 Lab File: VN064136.D
 Acq: 15 Oct 2020 12:05

Tgt Ion:180 Resp: 73
 Ion Ratio Lower Upper
 180 100
 182 0.0 45.8 137.4#
 145 0.0 15.4 46.1#





#95
Naphthalene
Concen: 3.806 ug/l
RT: 15.11 min Scan# 4158
Delta R.T. 0.01 min
Lab File: VN064136.D
Acq: 15 Oct 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBL01

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	8.5	12.7#

