

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101520\
 Data File : VN064142.D
 Acq On : 15 Oct 2020 14:43
 Operator : JC/MD
 Sample : L4403-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-N

Quant Time: Oct 16 02:23:54 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	296373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	562224	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	591464	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	209973	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	233755	55.38	ug/l	0.00
Spiked Amount			Recovery	=	110.76%	
35) Dibromofluoromethane	7.55	113	197686	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	
50) Toluene-d8	10.06	98	725427	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.38	95	251197	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	

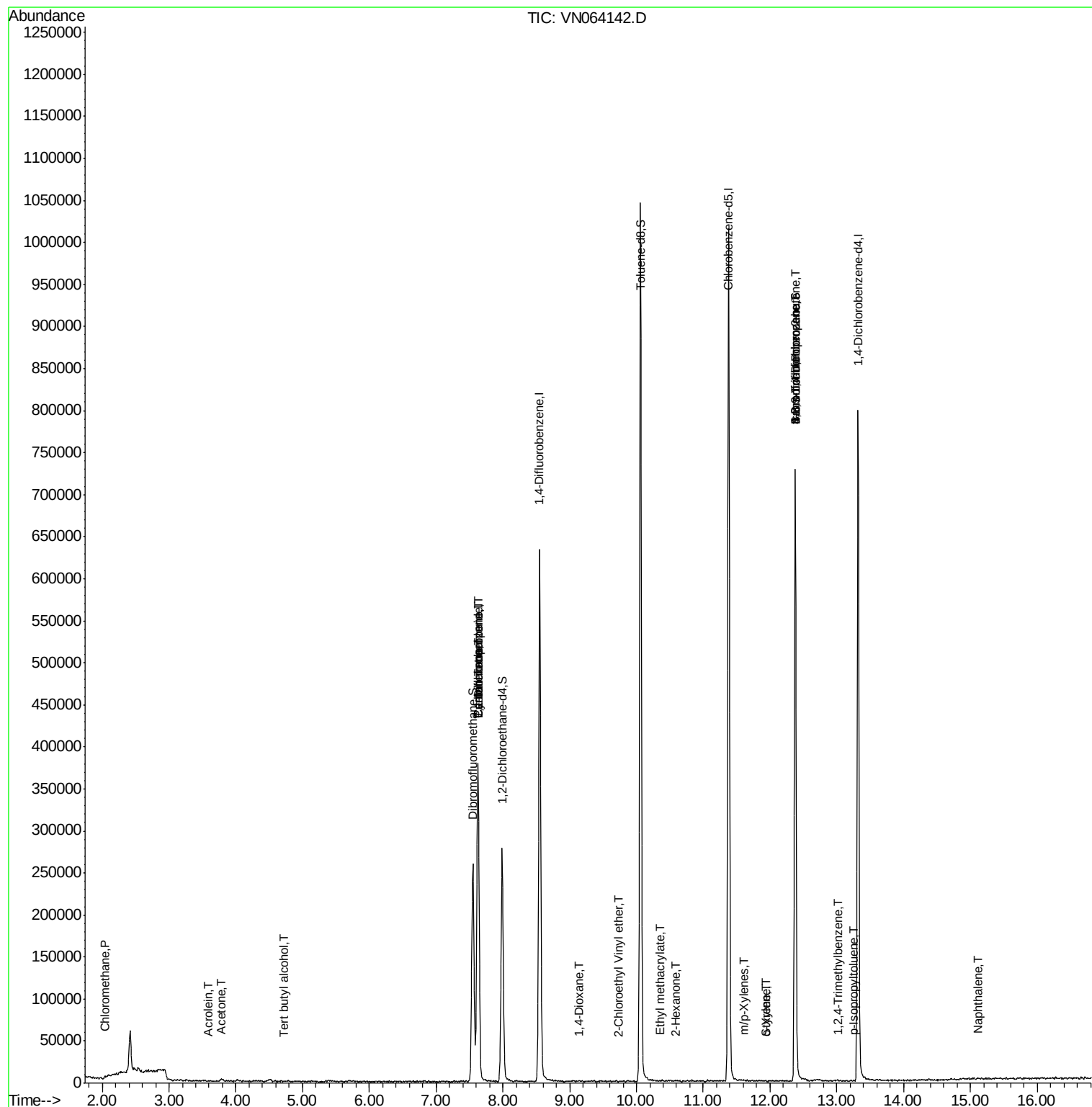
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	969	0.279	ug/l #	37
11) Tert butyl alcohol	4.72	59	204	0.436	ug/l #	71
13) Acrolein	3.59	56	107	0.279	ug/l #	49
16) Acetone	3.79	43	3580	2.859	ug/l	92
31) Cyclohexane	7.63	56	7143	1.531	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	24526	4.526	ug/l #	51
38) Carbon Tetrachloride	7.63	117	31404	5.389	ug/l #	15
49) 1,4-Dioxane	9.13	88	30	0.536	ug/l #	25
56) Ethyl methacrylate	10.34	69	32	2.304	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.73	63	29	12.228	ug/l #	48
59) 2-Hexanone	10.59	43	253	6.905	ug/l	85
68) m/p-Xylenes	11.60	106	201	2.215	ug/l #	1
69) o-Xylene	11.93	106	141	1.599	ug/l #	8
70) Styrene	11.94	104	64	2.041	ug/l #	26
71) Bromoform	12.37	173	558	2.367	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	130563	26.504	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	130563	80.975	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.02	105	254	0.204	ug/l	76
86) p-Isopropyltoluene	13.25	119	61	0.667	ug/l #	50
95) Naphthalene	15.11	128	1254	3.910	ug/l #	72

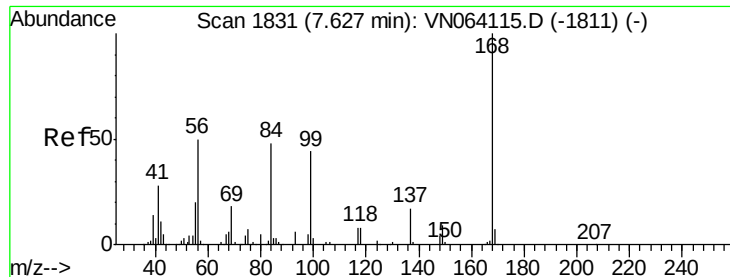
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101520\
Data File : VN064142.D
Acq On : 15 Oct 2020 14:43
Operator : JC/MD
Sample : L4403-05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MH-N

Quant Time: Oct 16 02:23:54 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: VN064142.D

Acq: 15 Oct 2020 14:43

Instrument :

MSVOA_N

ClientSampled :

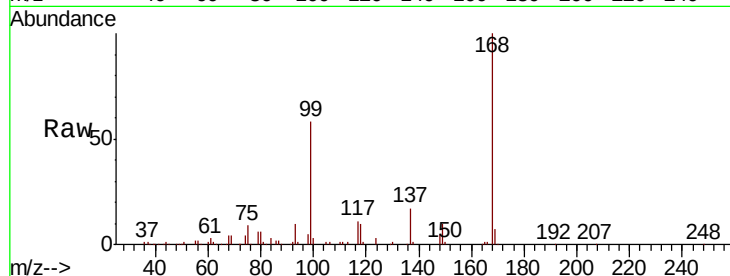
MH-N

Tot Ion:168 Resp: 296373

Ion Ratio Lower Upper

168 100

99 58.1 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN064142.D (-1738) (-)

Ion 98.90 (98.60 to 99.60): VN064142.D (-1738) (-)

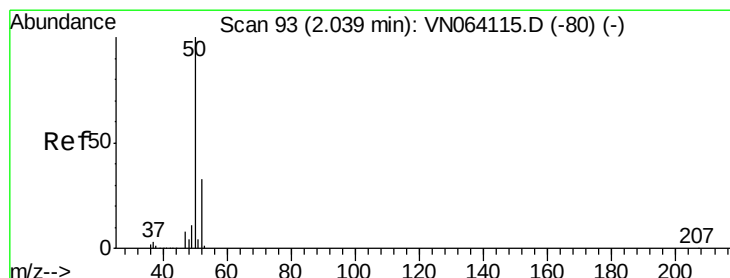
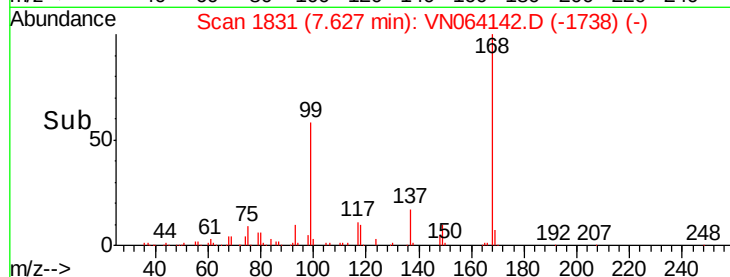
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.279 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064142.D

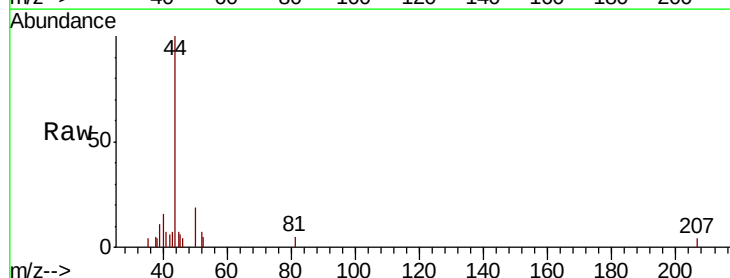
Acq: 15 Oct 2020 14:43

Tgt Ion: 50 Resp: 969

Ion Ratio Lower Upper

50 100

52 68.2 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VN064142.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN064142.D (-1) (-)

2.04

800

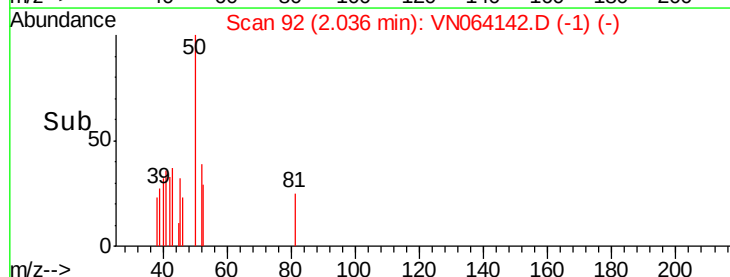
600

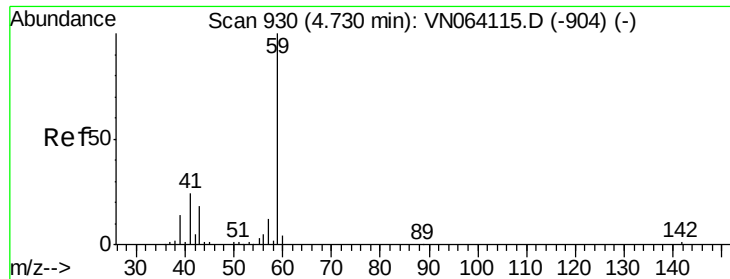
400

200

0

Time--> 2.00 2.02 2.04 2.06 2.08

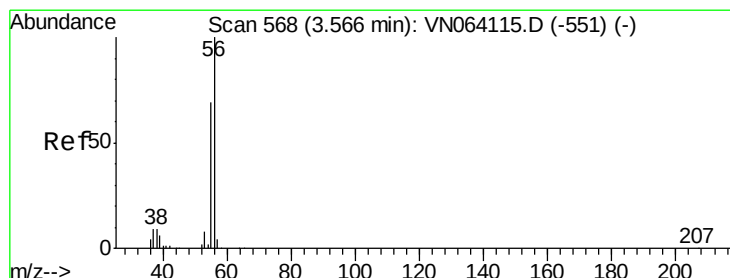
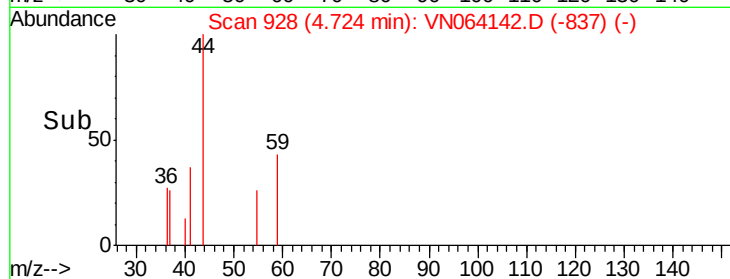
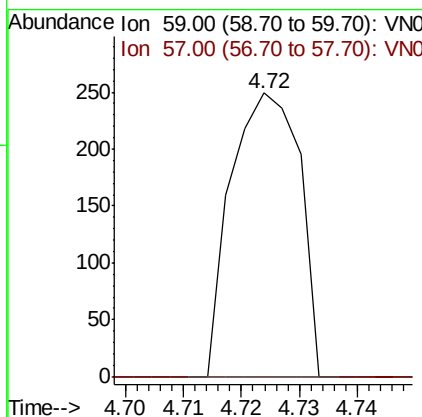
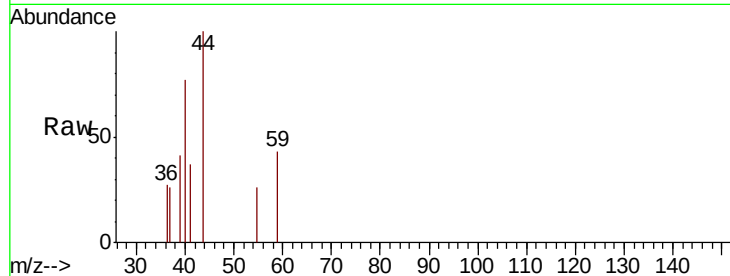




#11
Tert butyl alcohol
Concen: 0.436 ug/l
RT: 4.72 min Scan# 928
Delta R.T. -0.01 min
Lab File: VN064142.D
Acq: 15 Oct 2020 14:43

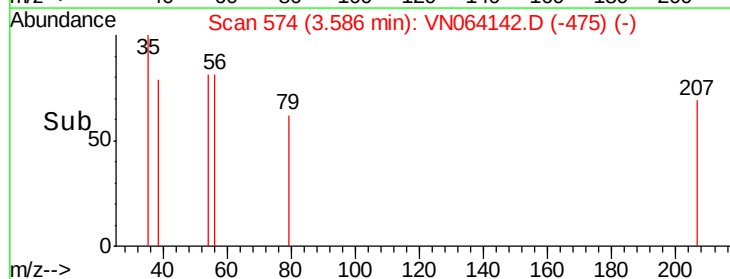
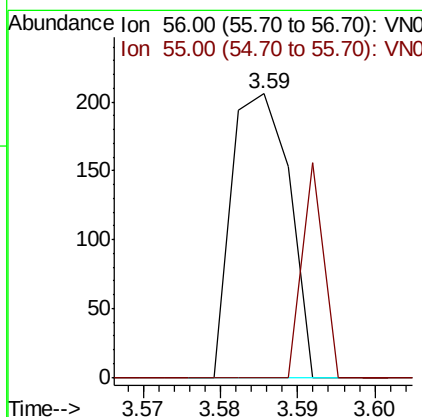
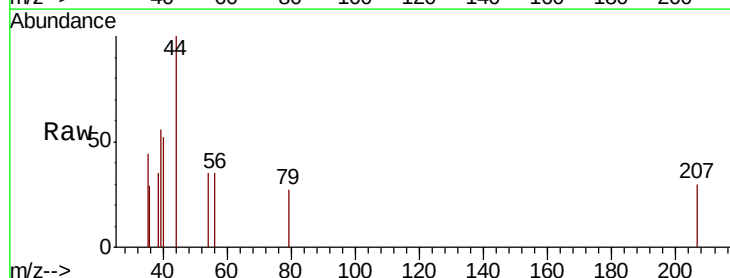
Instrument :
MSVOA_N
ClientSampled :
MH-N

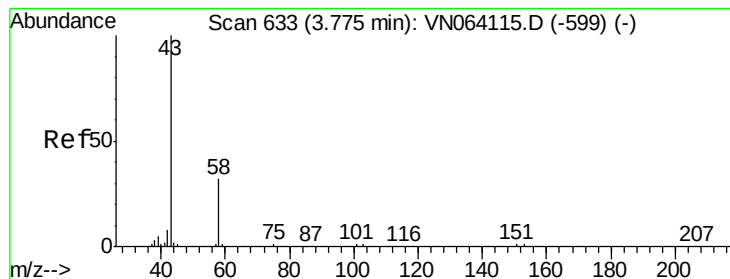
Tot Ion: 59 Resp: 204
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#13
Acrolein
Concen: 0.279 ug/l
RT: 3.59 min Scan# 574
Delta R.T. 0.02 min
Lab File: VN064142.D
Acq: 15 Oct 2020 14:43

Tgt Ion: 56 Resp: 107
Ion Ratio Lower Upper
56 100
55 28.0 55.8 83.6#





#16

Acetone

Concen: 2.859 ug/l

RT: 3.79 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN064142.D

Acq: 15 Oct 2020 14:43

Instrument :

MSVOA_N

ClientSampled :

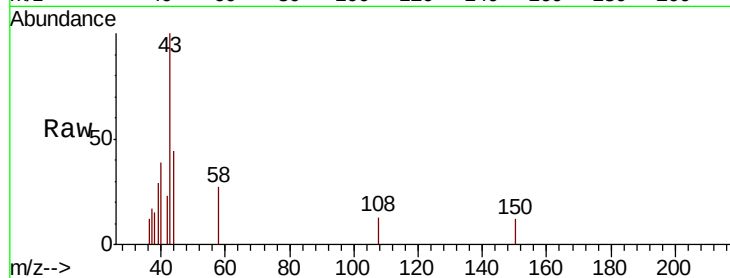
MH-N

Tot Ion: 43 Resp: 3580

Ion Ratio Lower Upper

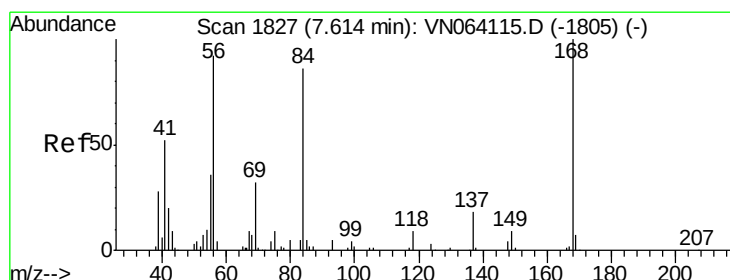
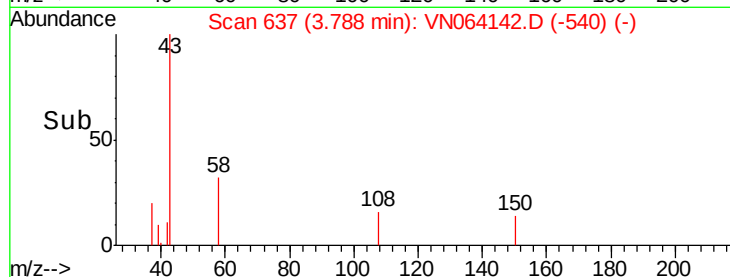
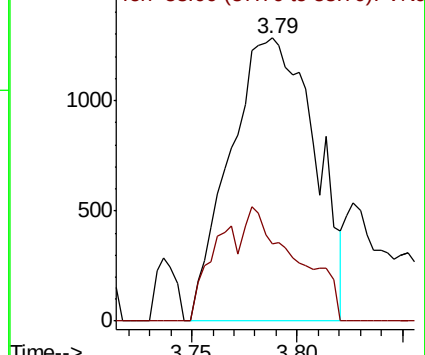
43 100

58 27.3 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#31

Cyclohexane

Concen: 1.531 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN064142.D

Acq: 15 Oct 2020 14:43

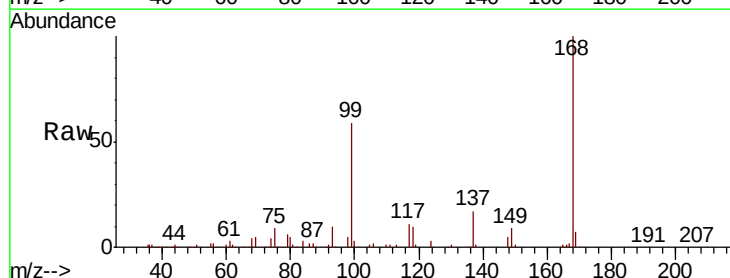
Tgt Ion: 56 Resp: 7143

Ion Ratio Lower Upper

56 100

69 192.1 27.8 41.6#

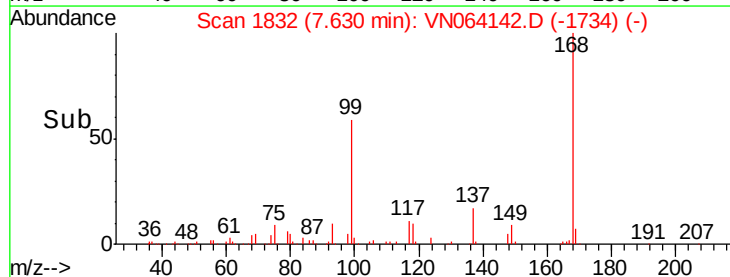
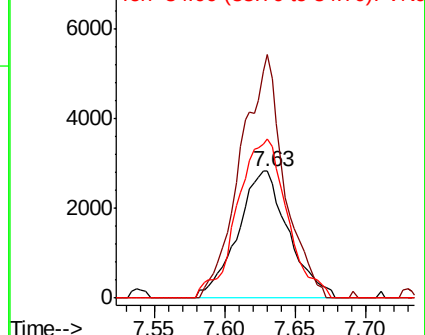
84 126.1 73.2 109.8#

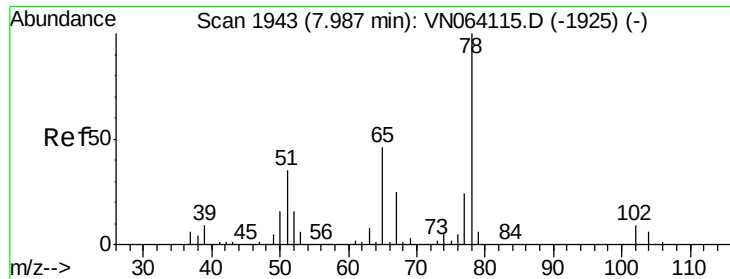


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

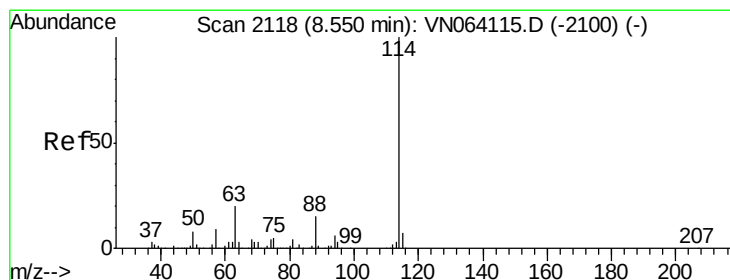
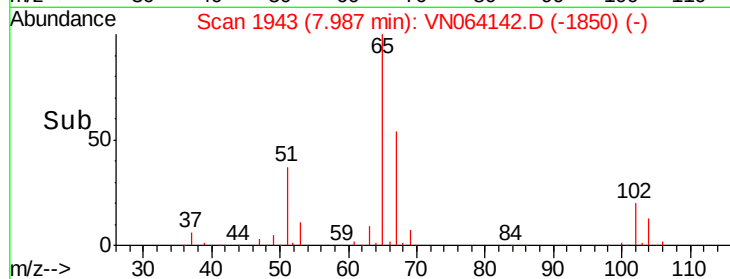
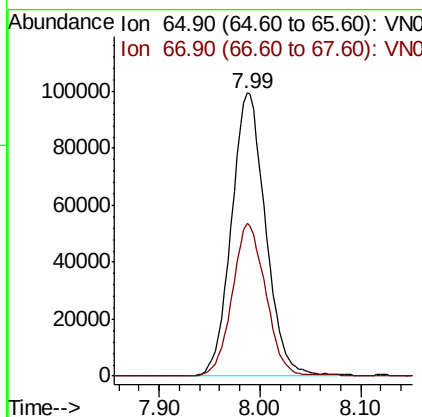
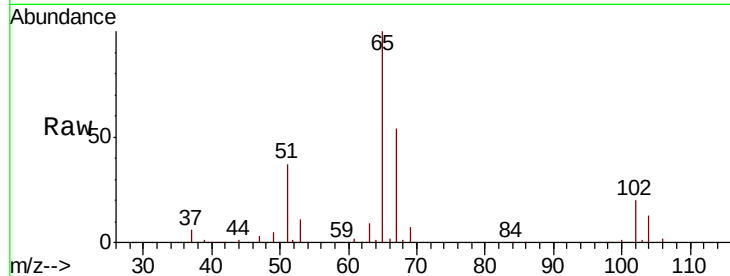




#33
 1,2-Dichloroethane-d4
 Concen: 55.380 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064142.D
 Acq: 15 Oct 2020 14:43

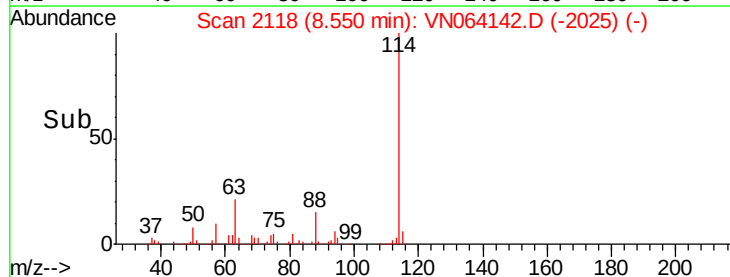
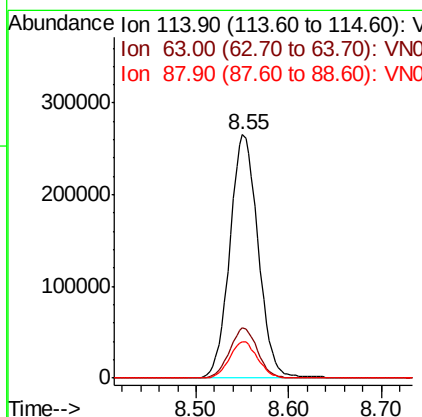
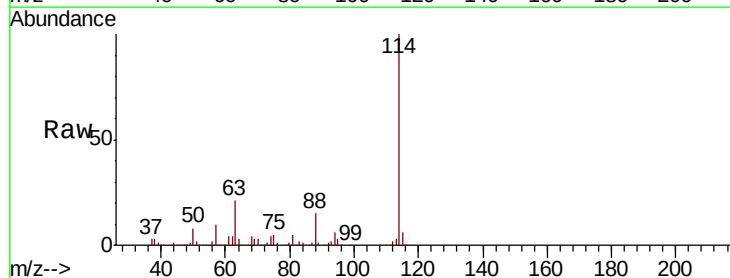
Instrument :
 MSVOA_N
 ClientSampled :
 MH-N

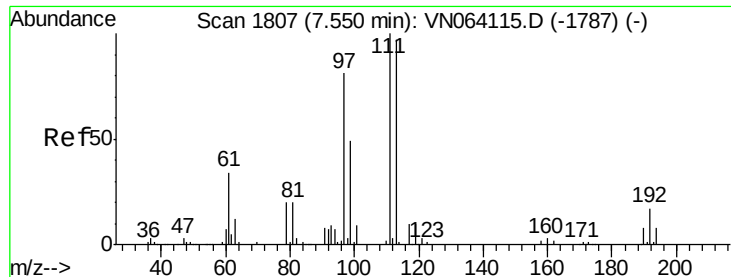
Tot Ion: 65 Resp: 233755
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064142.D
 Acq: 15 Oct 2020 14:43

Tgt Ion: 114 Resp: 562224
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.0
 88 15.0 0.0 29.2

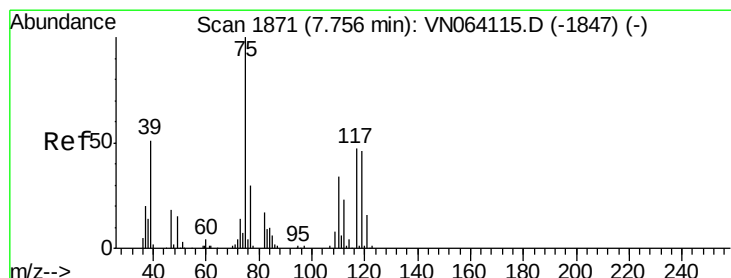
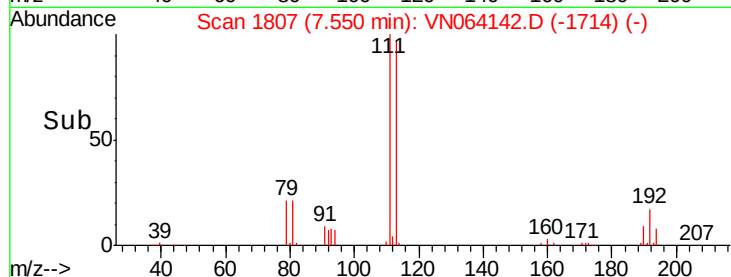
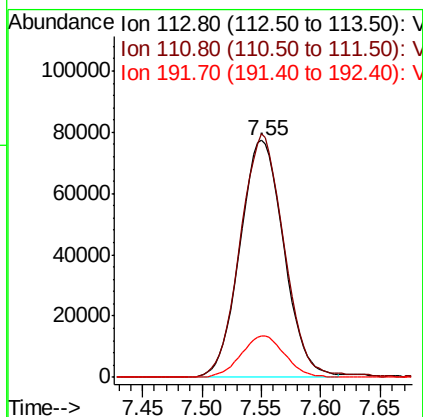
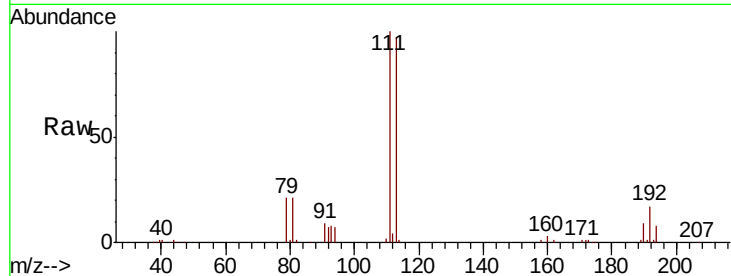




#35
 Dibromofluoromethane
 Concen: 50.800 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064142.D
 Acq: 15 Oct 2020 14:43

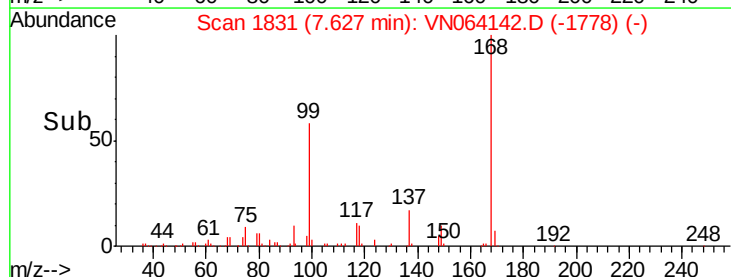
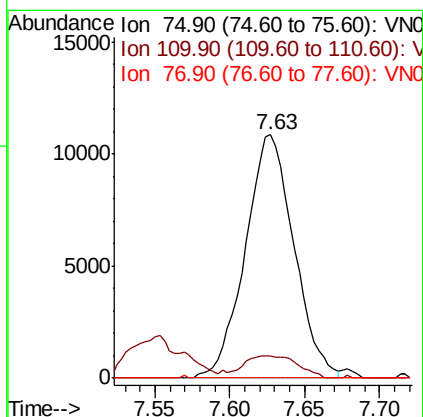
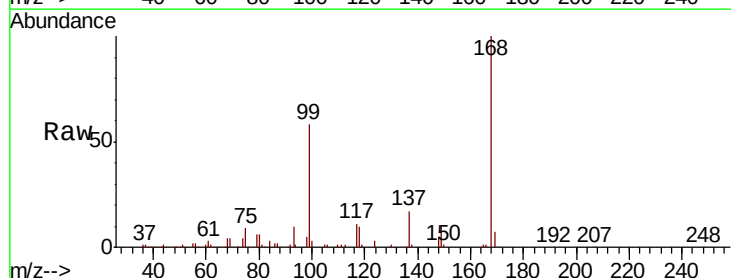
Instrument :
 MSVOA_N
 ClientSampled :
 MH-N

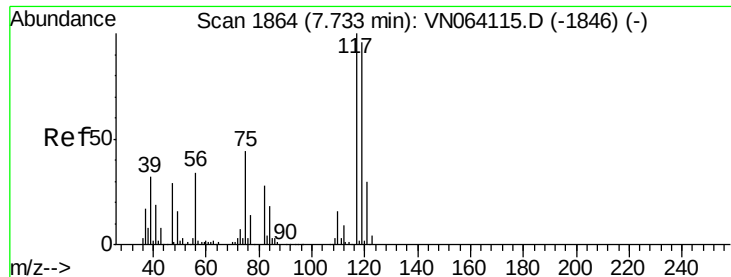
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.9	122.9
192	17.5	14.3	21.5



#36
 1,1-Dichloropropene
 Concen: 4.526 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064142.D
 Acq: 15 Oct 2020 14:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.6	17.8	53.3#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.389 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064142.D

Acq: 15 Oct 2020 14:43

Instrument :

MSVOA_N

ClientSampled :

MH-N

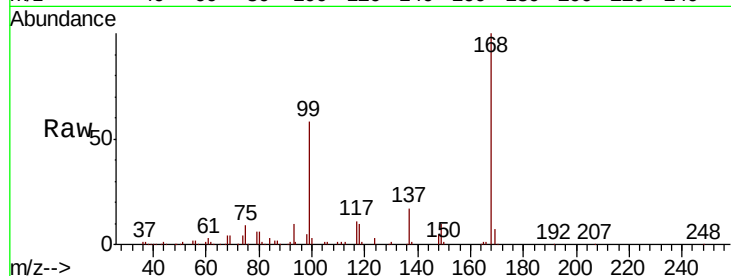
Tot Ion:117 Resp: 31404

Ion Ratio Lower Upper

117 100

119 4.6 77.0 115.4#

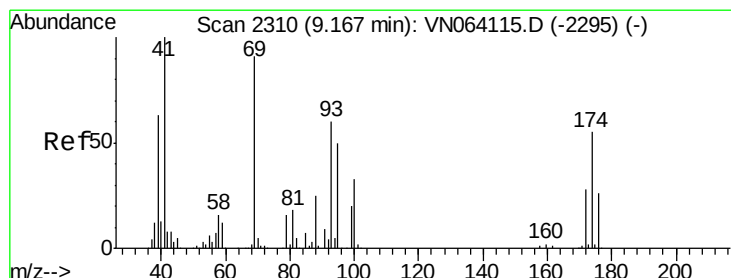
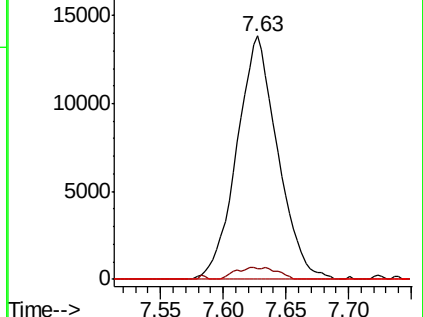
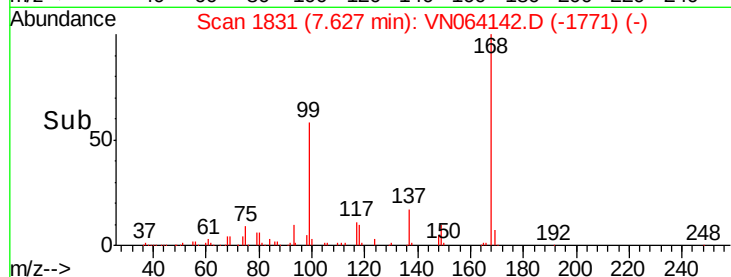
121 0.0 24.2 36.4#



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: 0.536 ug/l

RT: 9.13 min Scan# 2298

Delta R.T. -0.04 min

Lab File: VN064142.D

Acq: 15 Oct 2020 14:43

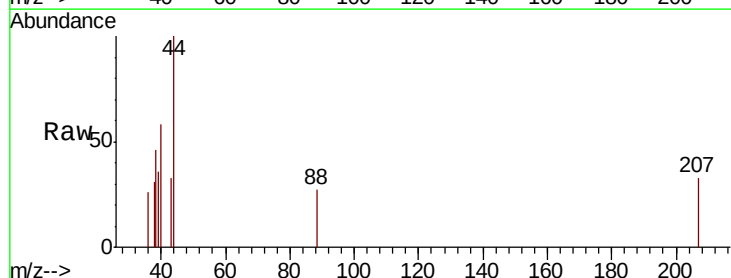
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 0.0 27.2 40.8#

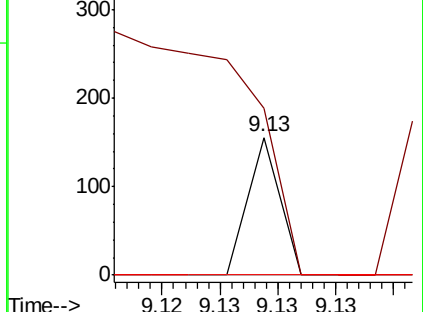
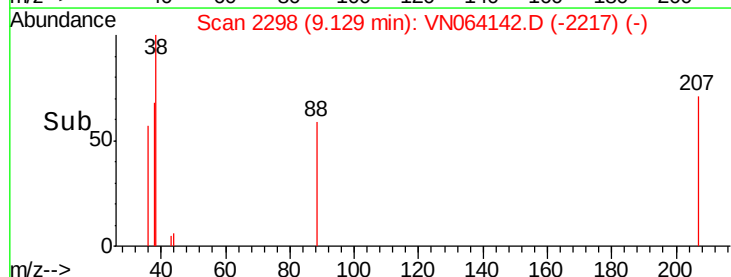
58 0.0 52.6 78.8#

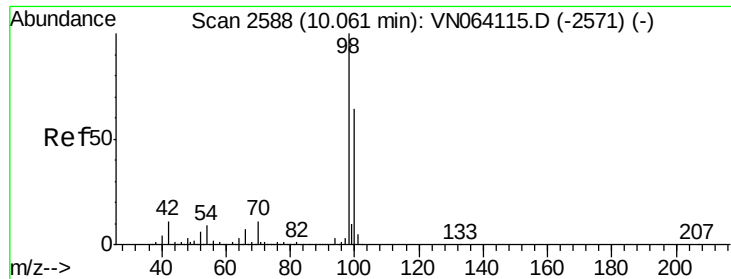


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

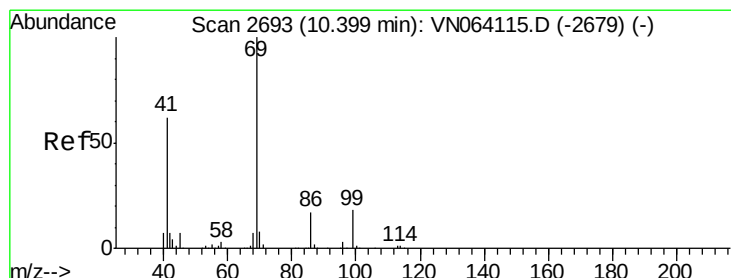
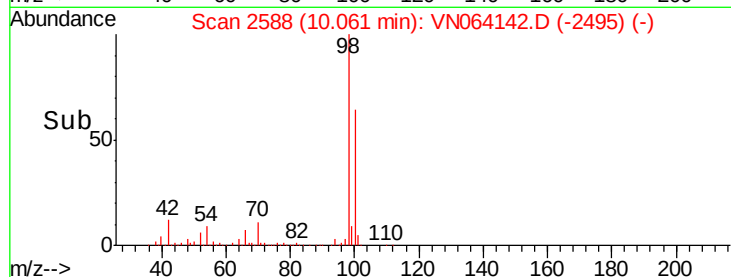
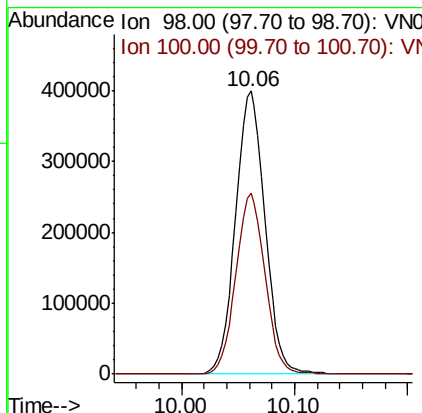
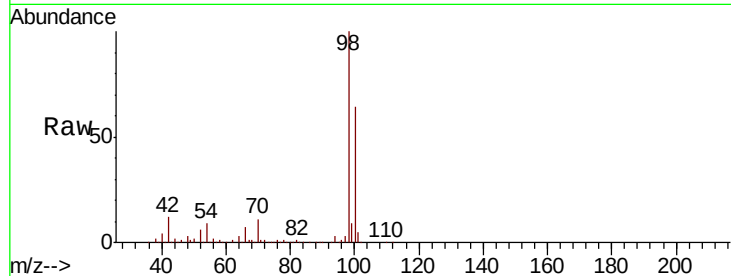




#50
Toluene-d8
Concen: 49.406 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064142.D
Acq: 15 Oct 2020 14:43

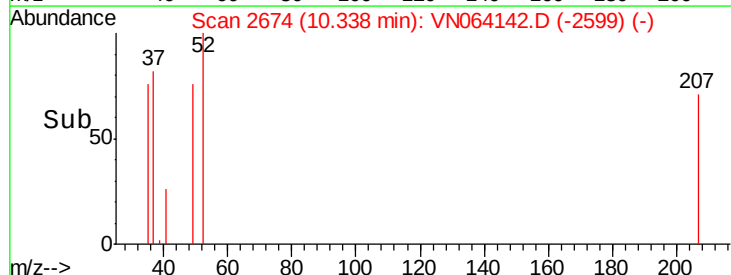
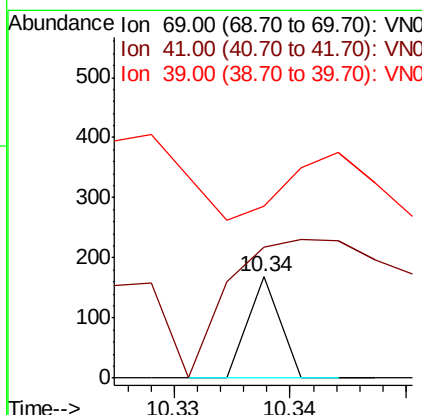
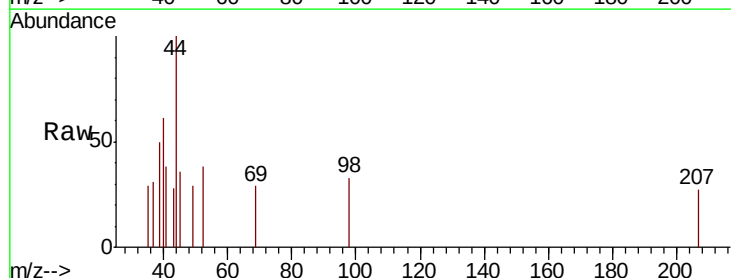
Instrument :
MSVOA_N
ClientSampled :
MH-N

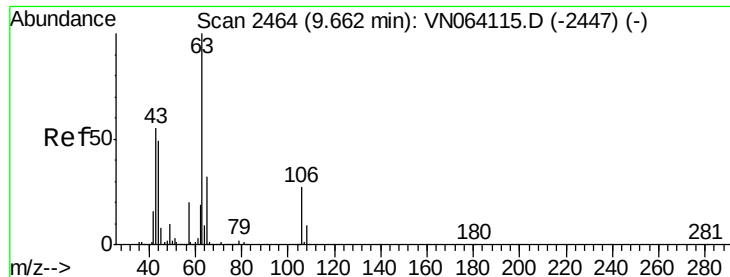
Tot Ion: 98 Resp: 725427
Ion Ratio Lower Upper
98 100
100 63.6 50.8 76.2



#56
Ethyl methacrylate
Concen: 2.304 ug/l
RT: 10.34 min Scan# 2674
Delta R.T. -0.06 min
Lab File: VN064142.D
Acq: 15 Oct 2020 14:43

Tgt Ion: 69 Resp: 32
Ion Ratio Lower Upper
69 100
41 728.1 49.3 73.9#
39 343.8 32.7 49.1#

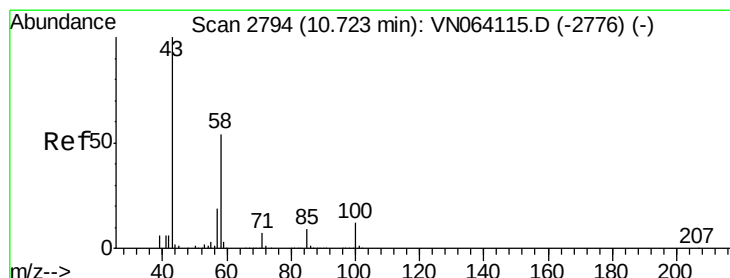
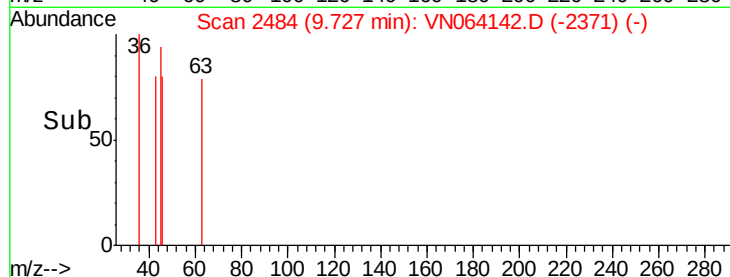
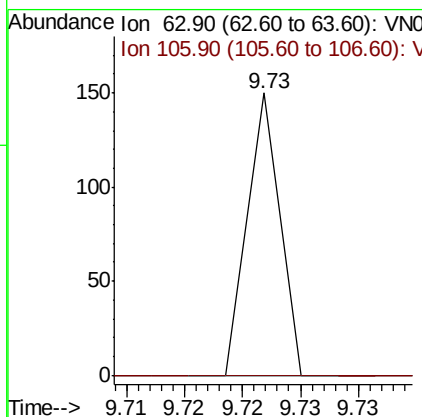
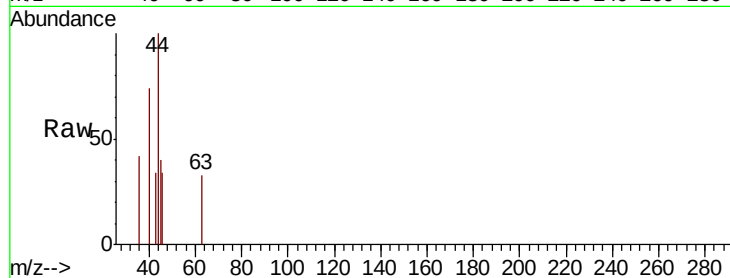




#58
 2-Chloroethyl Vinyl ether
 Concen: 12.228 ug/l
 RT: 9.73 min Scan# 2484
 Delta R.T. 0.06 min
 Lab File: VN064142.D
 Acq: 15 Oct 2020 14:43

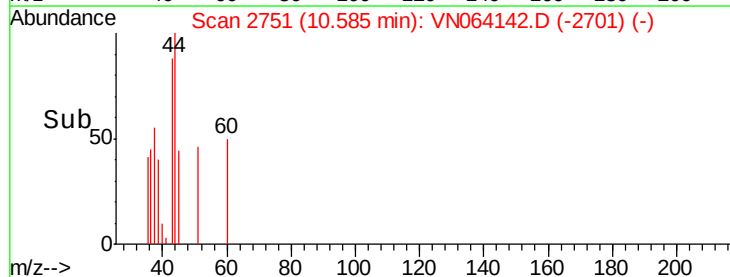
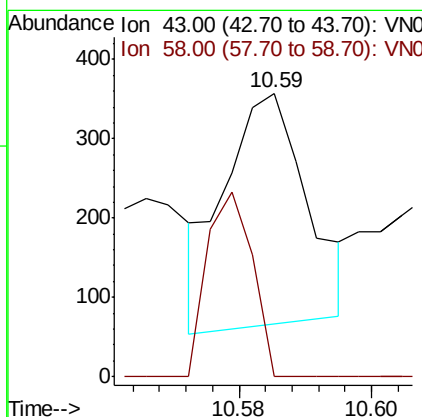
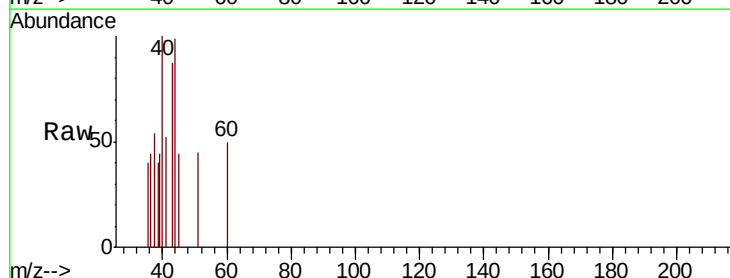
Instrument :
 MSVOA_N
 ClientSampled :
 MH-N

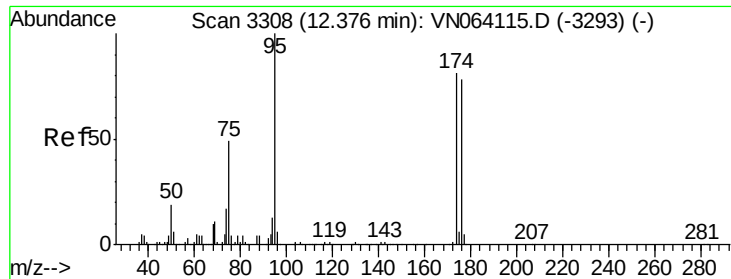
Tot Ion: 63 Resp: 29
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.8 32.6#



#59
 2-Hexanone
 Concen: 6.905 ug/l
 RT: 10.59 min Scan# 2751
 Delta R.T. -0.14 min
 Lab File: VN064142.D
 Acq: 15 Oct 2020 14:43

Tgt Ion: 43 Resp: 253
 Ion Ratio Lower Upper
 43 100
 58 43.5 27.2 81.6

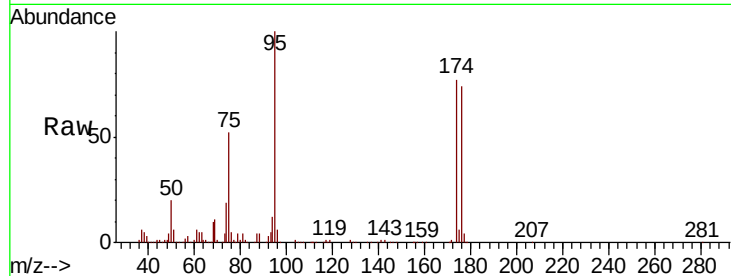




#62
4-Bromofluorobenzene
Concen: 49.773 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064142.D
Acq: 15 Oct 2020 14:43

Instrument :
MSVOA_N
ClientSampleId :
MH-N

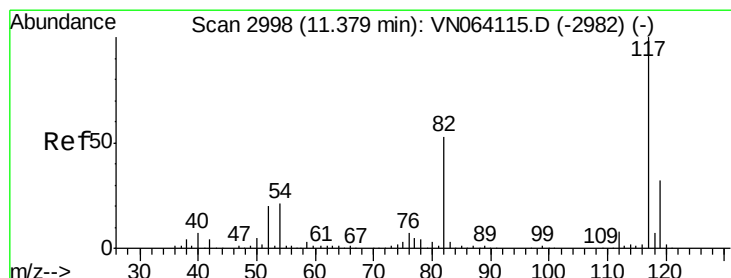
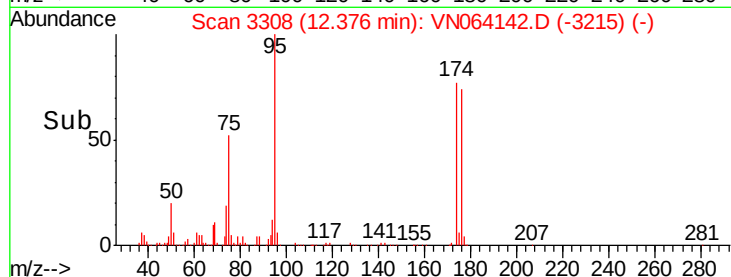
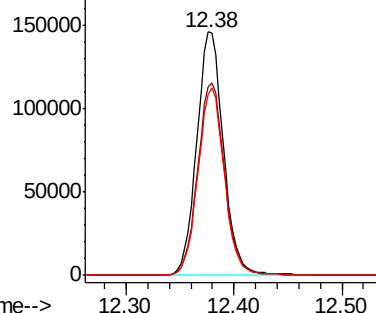
Tot Ion	Ratio	Lower	Upper
95	100		
174	79.6	0.0	164.8
176	75.9	0.0	157.8



Abundance Ion 94.90 (94.60 to 95.60): VN064142.D (-3293) (-)

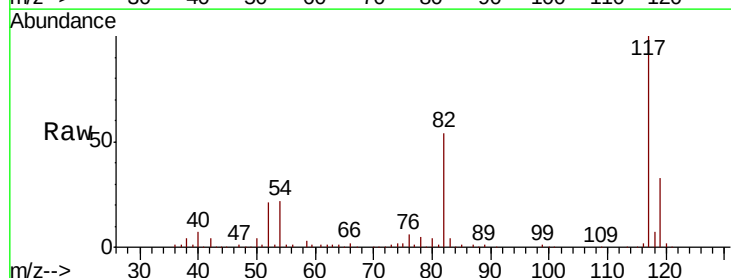
Ion 173.80 (173.50 to 174.50): VN064142.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN064142.D (-3293) (-)



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064142.D
Acq: 15 Oct 2020 14:43

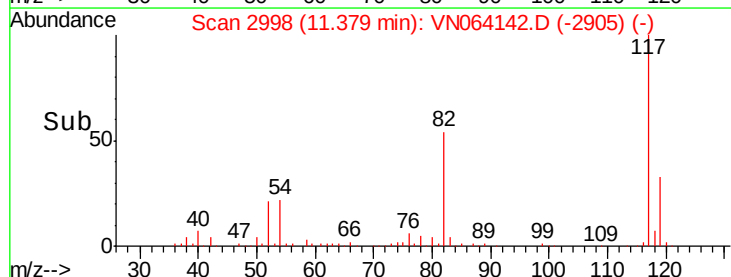
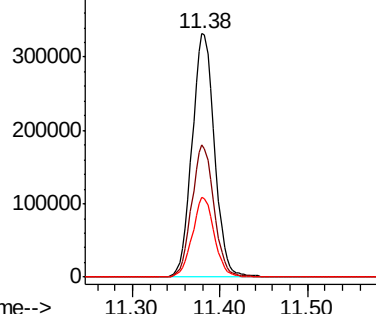
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.6	63.8
119	32.8	25.5	38.3

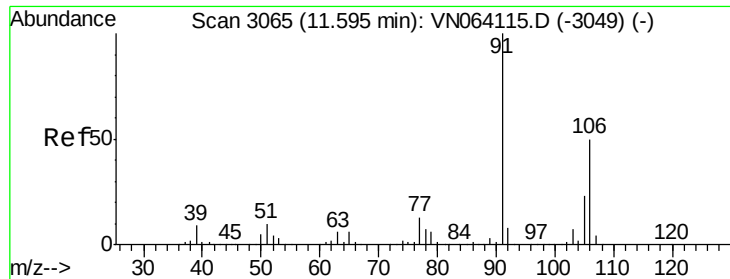


Abundance Ion 116.90 (116.60 to 117.60): VN064142.D (-2982) (-)

Ion 82.00 (81.70 to 82.70): VN064142.D (-2982) (-)

Ion 118.90 (118.60 to 119.60): VN064142.D (-2982) (-)

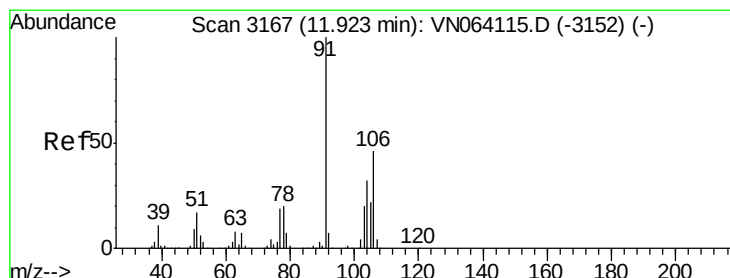
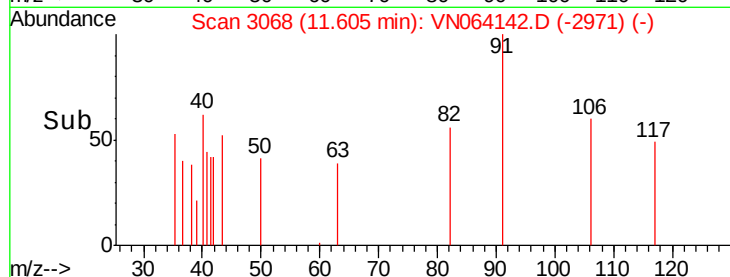
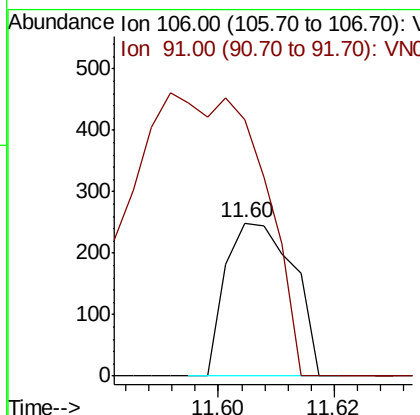
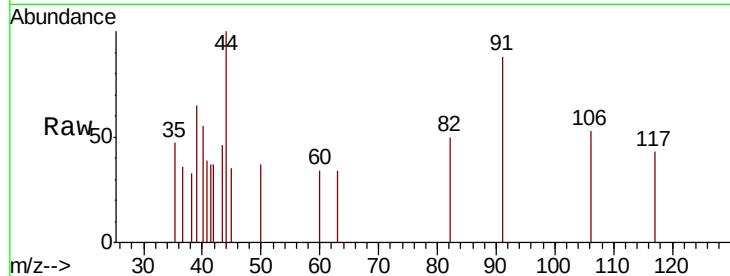




#68
m/p-Xylenes
Concen: 2.215 ug/l
RT: 11.60 min Scan# 3068
Delta R.T. 0.01 min
Lab File: VN064142.D
Acq: 15 Oct 2020 14:43

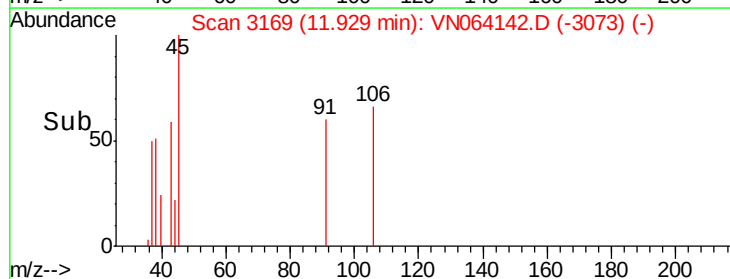
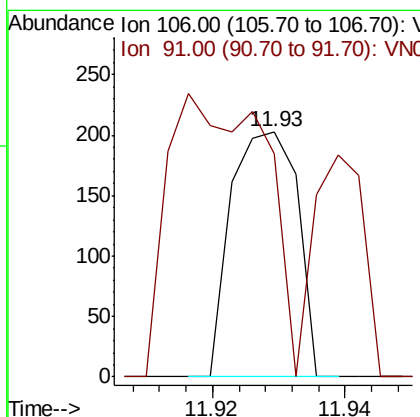
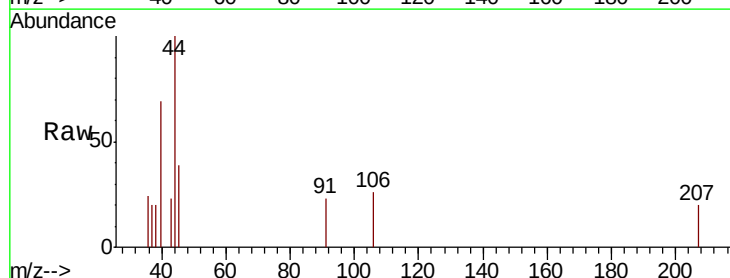
Instrument :
MSVOA_N
ClientSampled :
MH-N

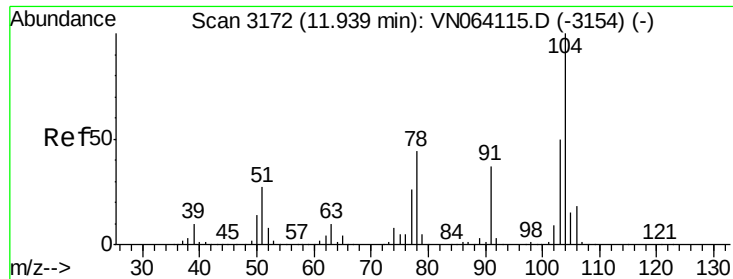
Tot Ion:106 Resp: 201
Ion Ratio Lower Upper
106 100
91 369.2 162.1 243.1#



#69
o-Xylene
Concen: 1.599 ug/l
RT: 11.93 min Scan# 3169
Delta R.T. 0.01 min
Lab File: VN064142.D
Acq: 15 Oct 2020 14:43

Tgt Ion:106 Resp: 141
Ion Ratio Lower Upper
106 100
91 68.8 107.6 322.8#

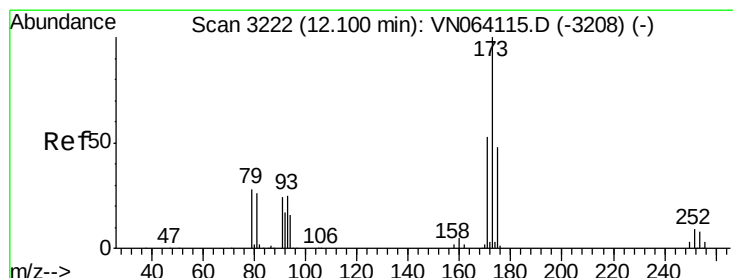
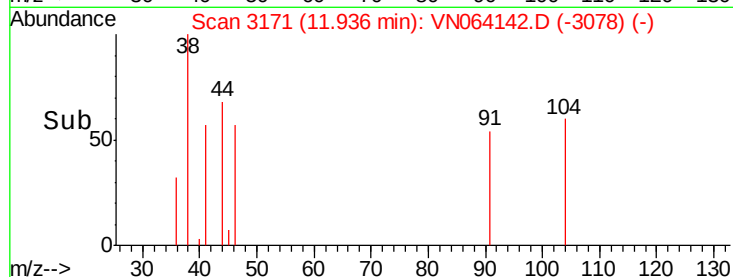
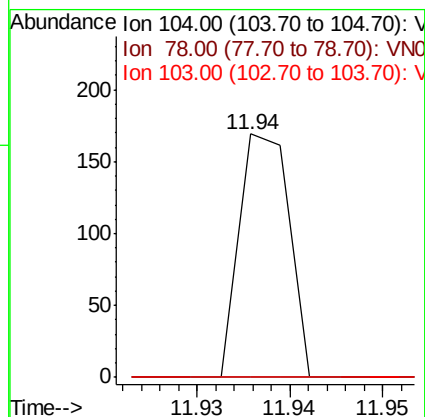
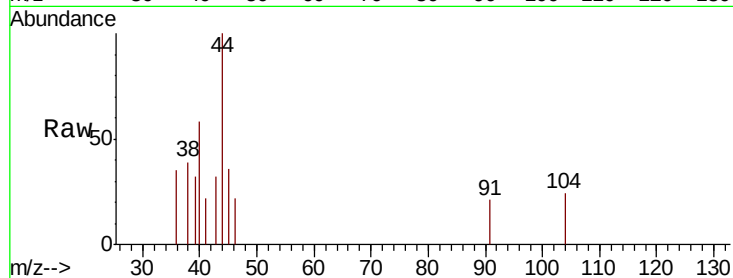




#70
Stvrene
Concen: 2.041 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064142.D
Acq: 15 Oct 2020 14:43

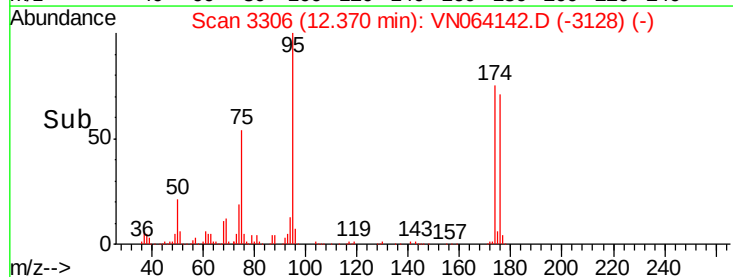
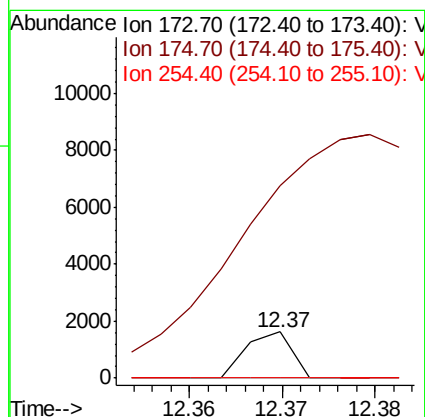
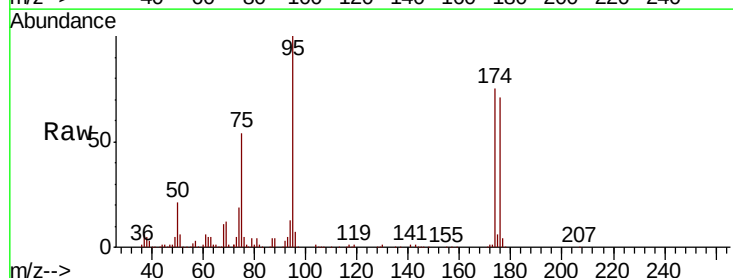
Instrument :
MSVOA_N
ClientSampleId :
MH-N

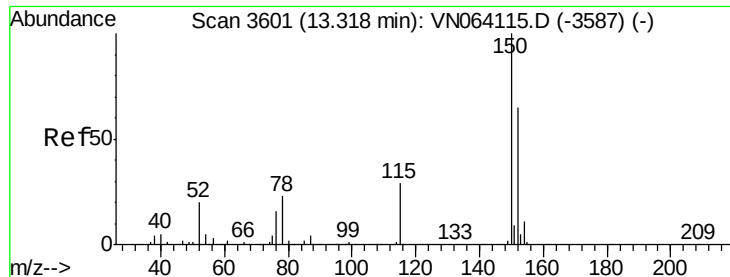
Tot Ion:104 Resp: 64
Ion Ratio Lower Upper
104 100
78 0.0 39.7 59.5#
103 0.0 44.2 66.2#



#71
Bromoform
Concen: 2.367 ug/l
RT: 12.37 min Scan# 3306
Delta R.T. 0.27 min
Lab File: VN064142.D
Acq: 15 Oct 2020 14:43

Tgt Ion:173 Resp: 558
Ion Ratio Lower Upper
173 100
175 2139.6 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: VN064142.D

Acq: 15 Oct 2020 14:43

Instrument :

MSVOA_N

ClientSampled :

MH-N

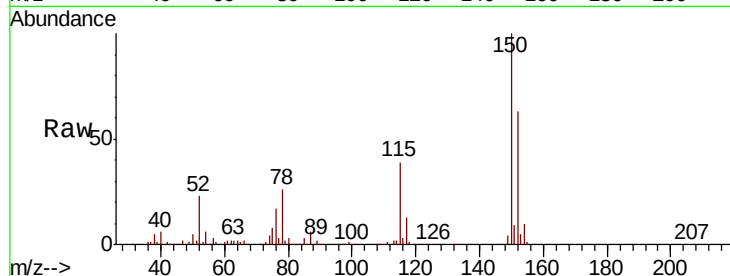
Tot Ion:152 Resp: 209973

Ion Ratio Lower Upper

152 100

115 61.1 29.3 87.8

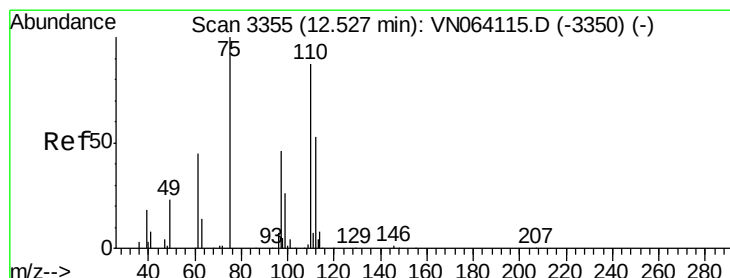
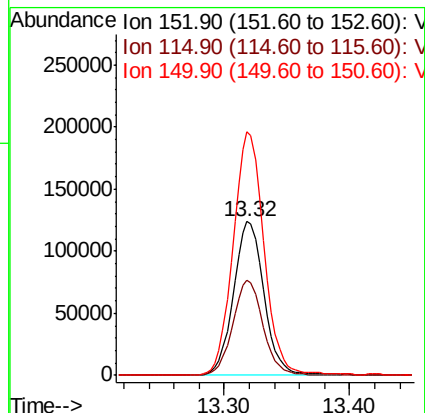
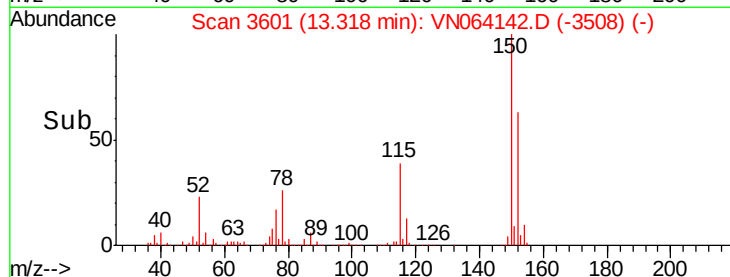
150 160.4 0.0 346.0



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: 26.504 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064142.D

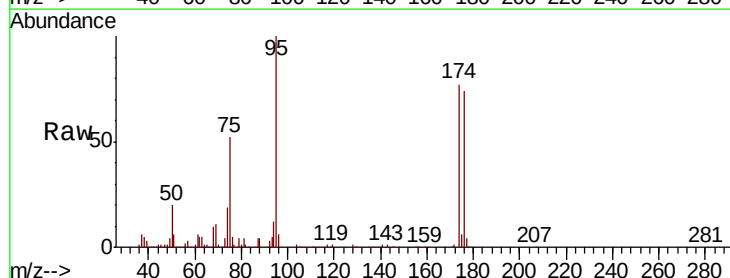
Acq: 15 Oct 2020 14:43

Tgt Ion: 75 Resp: 130563

Ion Ratio Lower Upper

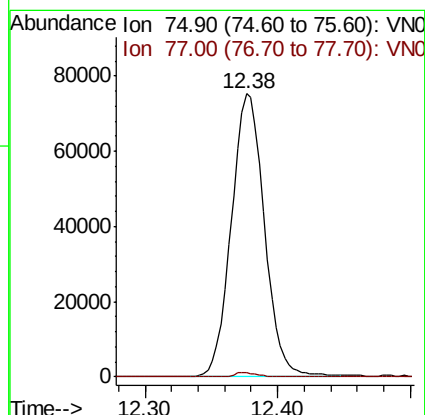
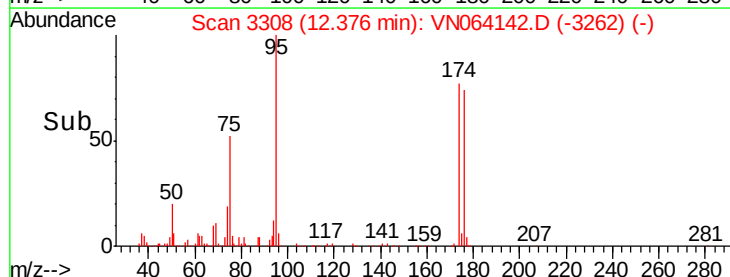
75 100

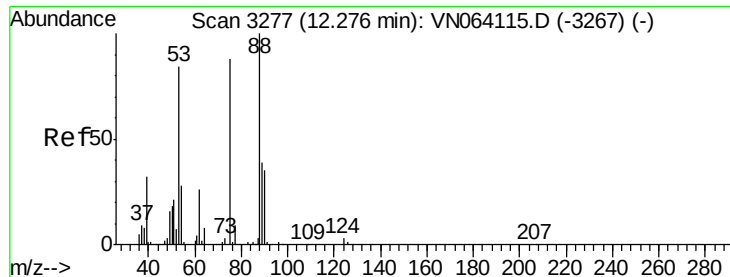
77 1.0 0.0 0.0#



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: 80.975 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064142.D

Acq: 15 Oct 2020 14:43

Instrument :

MSVOA_N

ClientSampleId :

MH-N

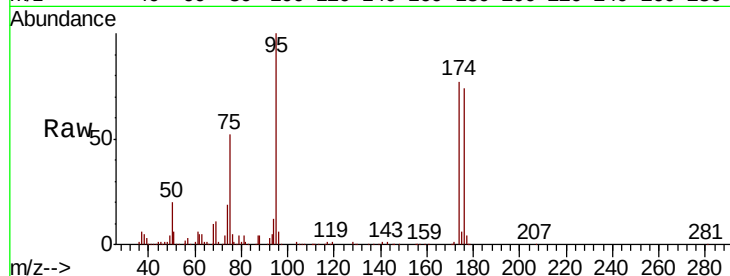
Tot Ion: 75 Resp: 130563

Ion Ratio Lower Upper

75 100

53 0.1 75.7 113.5#

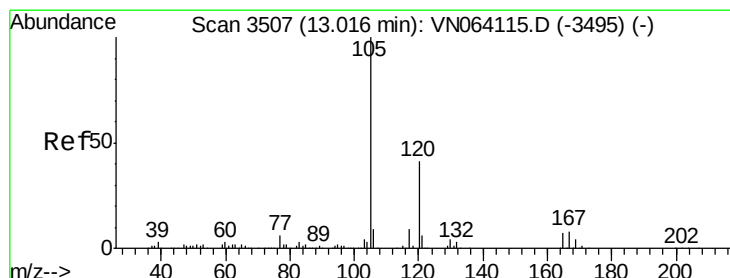
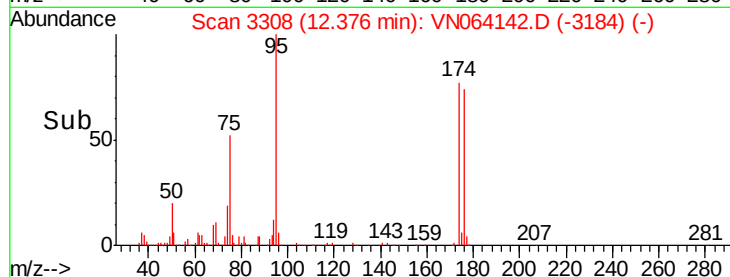
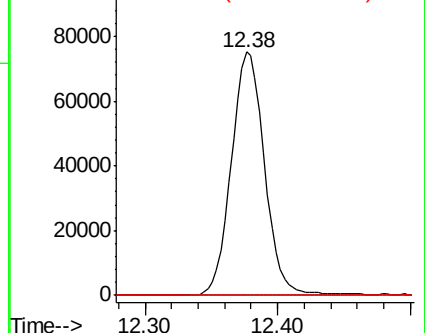
89 0.0 36.6 55.0#



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



#84

1,2,4-Trimethylbenzene

Concen: 0.204 ug/l

RT: 13.02 min Scan# 3508

Delta R.T. 0.00 min

Lab File: VN064142.D

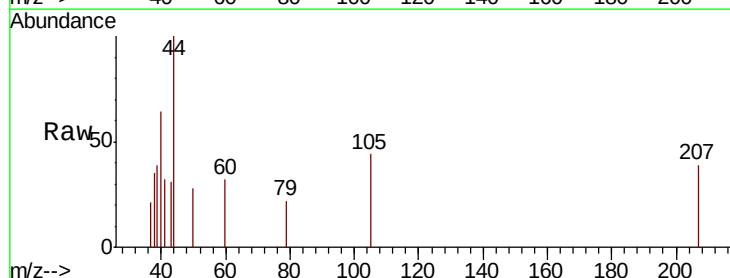
Acq: 15 Oct 2020 14:43

Tgt Ion: 105 Resp: 254

Ion Ratio Lower Upper

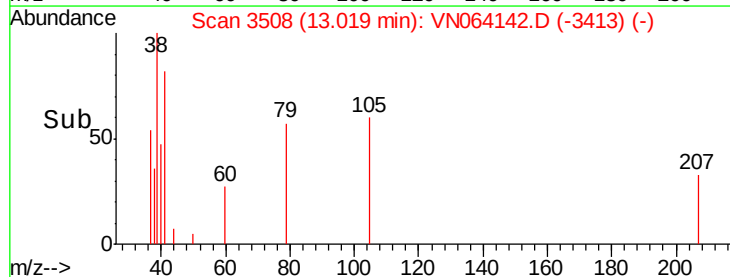
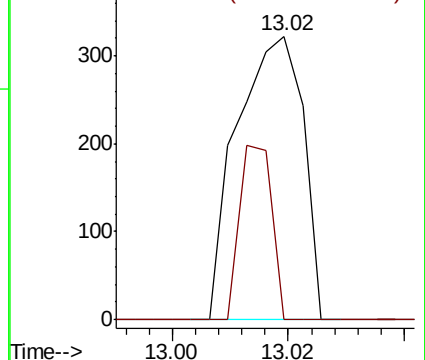
105 100

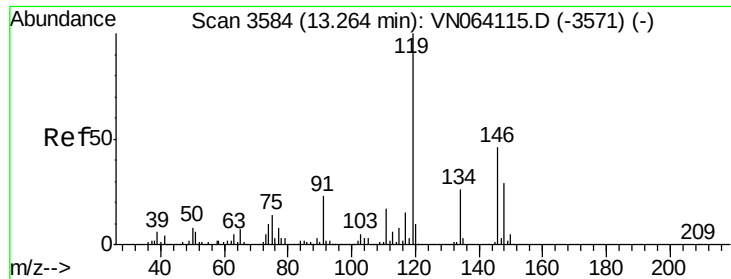
120 29.5 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#86

p-Isopropyltoluene

Concen: 0.667 ug/l

RT: 13.25 min Scan# 3581

Delta R.T. -0.01 min

Lab File: VN064142.D

Acq: 15 Oct 2020 14:43

Instrument :

MSVOA_N

ClientSampled :

MH-N

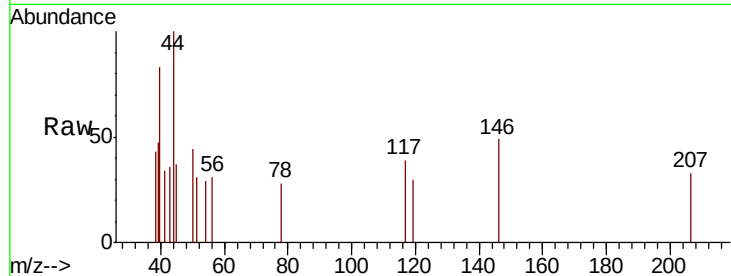
Tot Ion:119 Resp: 61

Ion Ratio Lower Upper

119 100

134 0.0 13.2 39.5#

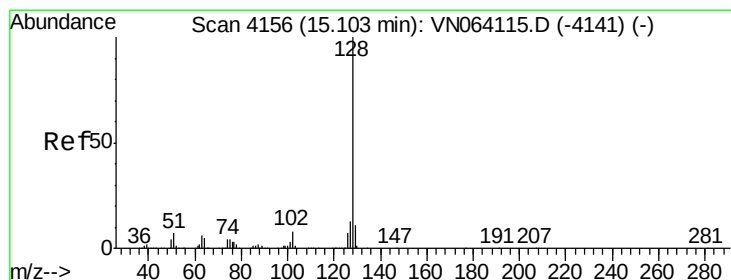
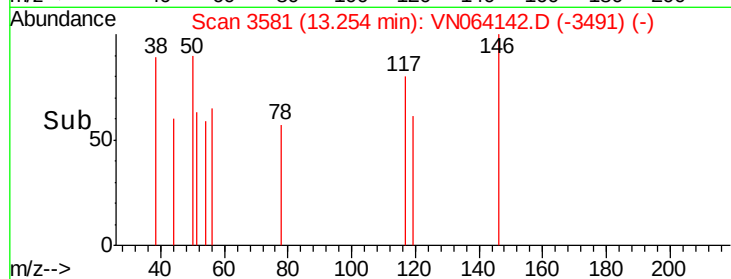
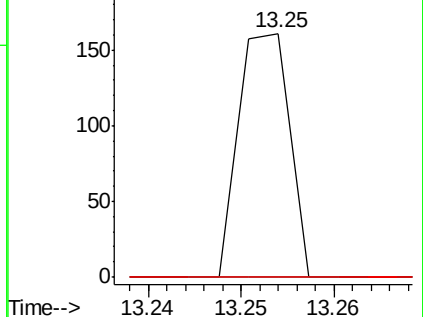
91 0.0 12.0 36.1#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#95

Naphthalene

Concen: 3.910 ug/l

RT: 15.11 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN064142.D

Acq: 15 Oct 2020 14:43

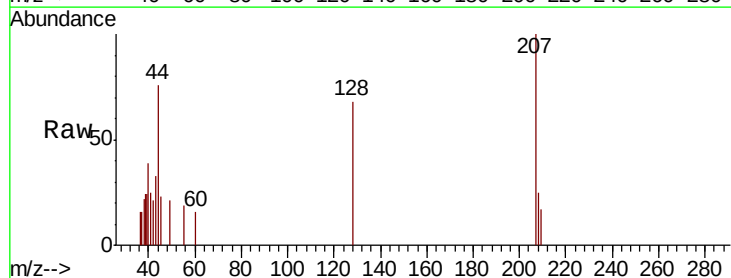
Tgt Ion:128 Resp: 1254

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 2.4 8.5 12.7#



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

