

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101019\
 Data File : VN058660.D
 Acq On : 9 Oct 2019 22:50
 Operator : JC/SP
 Sample : K5184-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Quant Time: Oct 10 04:43:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	510159	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	801892	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	683431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	290458	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	335287	44.97	ug/l	0.00
Spiked Amount			Recovery	=	89.94%	
35) Dibromofluoromethane	7.57	113	245971	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
50) Toluene-d8	10.08	98	1010231	52.47	ug/l	0.00
Spiked Amount			Recovery	=	104.94%	
62) 4-Bromofluorobenzene	12.40	95	340857	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	3683	0.599	ug/l	96
5) Bromomethane	2.56	94	880	0.275	ug/l	100
11) Tert butyl alcohol	4.76	59	1733	2.092	ug/l #	71
13) Acrolein	3.54	56	91694	348.091	ug/l #	1
14) Allyl chloride	4.41	41	20291	2.317	ug/l #	8
15) Acrylonitrile	5.03	53	23469	9.723	ug/l #	40
16) Acetone	3.79	43	187305	73.702	ug/l #	88
18) Methyl Acetate	4.51	43	284508	44.511	ug/l #	53
19) Methyl tert-butyl Ether	5.02	73	7542	0.444	ug/l #	1
20) Methylene Chloride	4.66	84	78764	13.430	ug/l #	7
23) Vinyl Acetate	5.90	43	27985	1.969	ug/l #	74
24) 1,1-Dichloroethane	5.91	63	10591	0.999	ug/l #	85
25) 2-Butanone	6.81	43	72802	20.865	ug/l	95
26) 2,2-Dichloropropane	6.60	77	11406	1.308	ug/l #	54
28) Bromochloromethane	7.38	49	7655	1.805	ug/l #	16
29) Tetrahydrofuran	7.20	42	1004	0.453	ug/l #	34
30) Chloroform	7.37	83	19447	1.809	ug/l #	73
31) Cyclohexane	7.64	56	519193	50.321	ug/l	98
36) 1,1-Dichloropropene	7.65	75	42359	5.524	ug/l #	50
37) Ethyl Acetate	6.81	43	72802	11.199	ug/l #	70
38) Carbon Tetrachloride	7.65	117	52113	7.530	ug/l #	15
39) Methylcyclohexane	9.07	83	319061	35.633	ug/l	97
40) Benzene	8.03	78	1386644	62.914	ug/l	99
41) Methacrylonitrile	7.19	41	12808	4.283	ug/l #	37
43) Isopropyl Acetate	8.13	43	60987	4.989	ug/l #	63
45) 1,2-Dichloropropane	9.07	63	2490	0.421	ug/l #	1
46) Dibromomethane	9.14	93	923	0.247	ug/l #	1
47) Bromodichloromethane	9.38	83	16310	2.300	ug/l #	25
48) Methyl methacrylate	9.13	41	7037	1.264	ug/l #	13
52) Toluene	10.15	92	244318	17.611	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	48647	9.630	ug/l #	17
56) Ethyl methacrylate	10.43	69	6435	0.840	ug/l #	75
58) 2-Chloroethyl Vinyl ether	9.66	63	3140	1.027	ug/l #	50
59) 2-Hexanone	10.88	43	15320	3.351	ug/l	89

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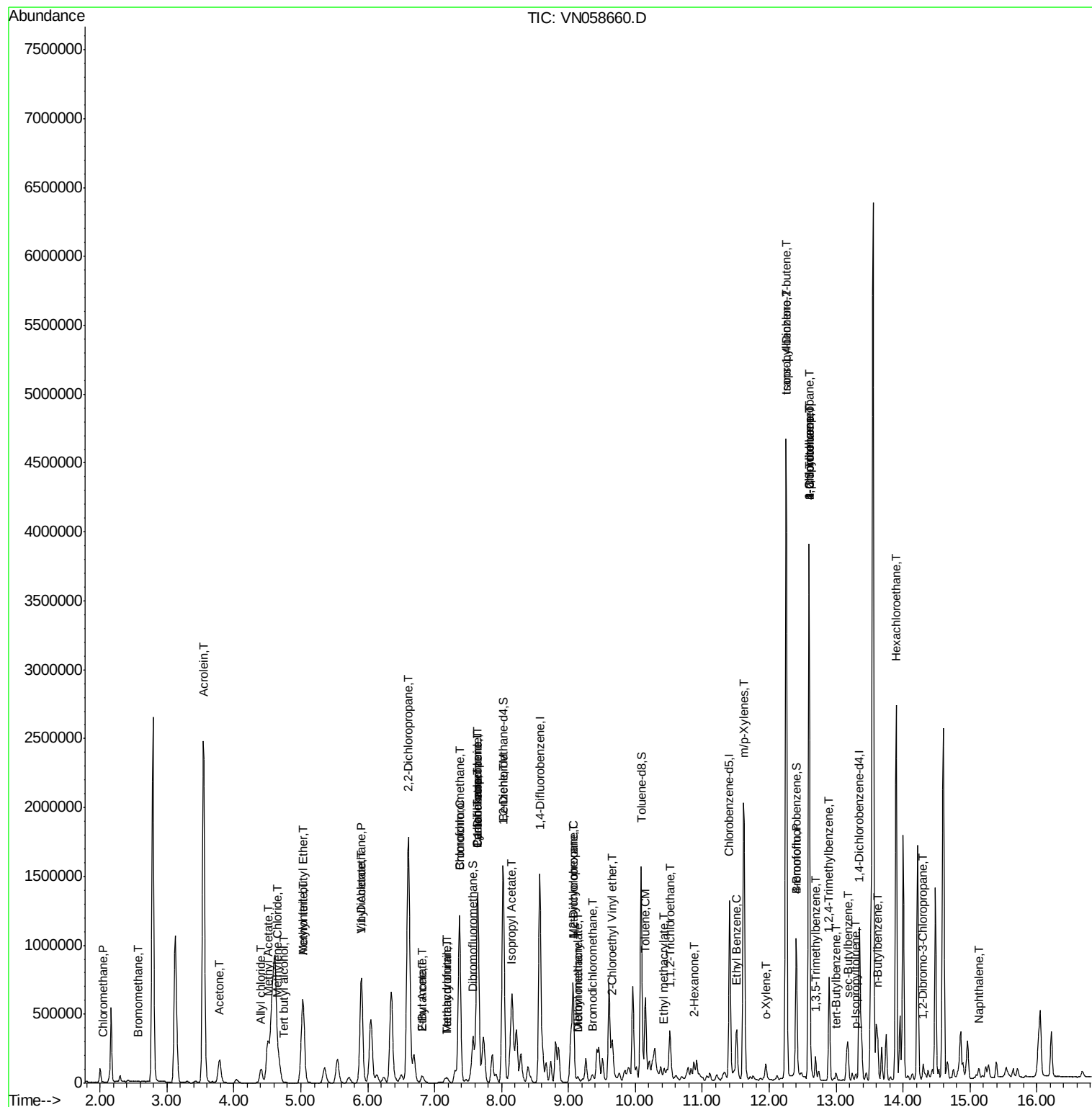
60) Dibromochloromethane	10.63	129	380	Below Cal	#	11
67) Ethyl Benzene	11.51	91	240513	9.774	ug/l	99
68) m/p-Xylenes	11.62	106	651118	70.331	ug/l	97
69) o-Xylene	11.95	106	26954	3.024	ug/l	99
71) Bromoform	12.40	173	1570	1.184	ug/l #	1
73) Isopropylbenzene	12.25	105	3029289	141.123	ug/l	97
76) 1,2,3-Trichloropropane	12.60	75	19695	3.712	ug/l #	100
78) n-propylbenzene	12.60	91	3132462	129.530	ug/l	97
79) 2-Chlorotoluene	12.60	91	3132462	209.856	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.69	105	107866	6.003	ug/l	71
81) trans-1,4-Dichloro-2-buten	12.25	75	38593	22.094	ug/l #	71
82) 4-Chlorotoluene	12.60	91	3132462	205.659	ug/l #	43
83) tert-Butylbenzene	13.00	119	26662	1.758	ug/l	96
84) 1,2,4-Trimethylbenzene	12.90	105	479981	26.661	ug/l	80
85) sec-Butylbenzene	13.18	105	168277	8.432	ug/l #	64
86) p-Isopropyltoluene	13.29	119	26060	1.483	ug/l #	75
89) n-Butylbenzene	13.62	91	204973	12.881	ug/l #	77
90) Hexachloroethane	13.90	117	138001	52.286	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.30	75	577	0.515	ug/l #	5
95) Naphthalene	15.13	128	50691	3.545	ug/l	97

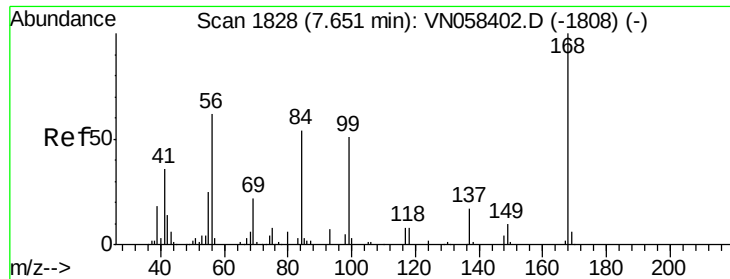
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

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Instrument :

MSVOA_N

ClientSampleId :

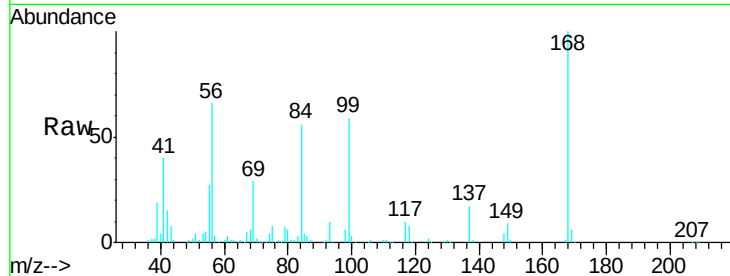
MW-4

Tgt Ion:168 Resp: 510159

Ion Ratio Lower Upper

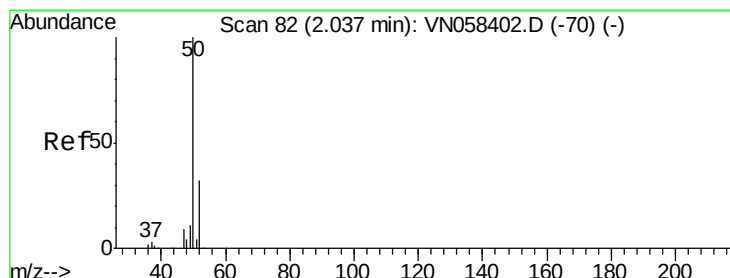
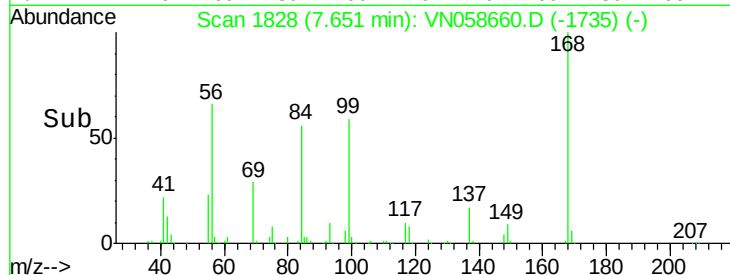
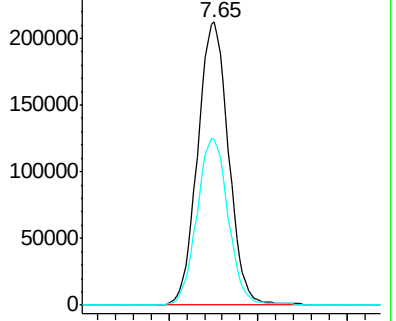
168 100

99 58.6 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: 0.599 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058660.D

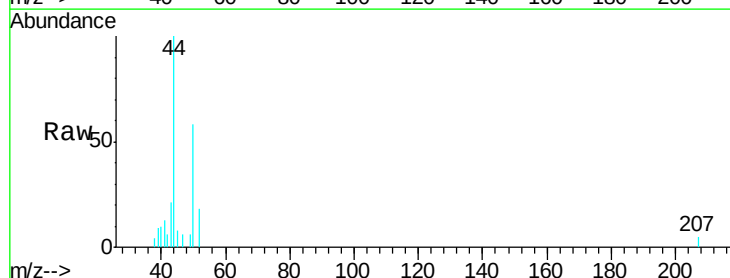
Acq: 9 Oct 2019 22:50

Tgt Ion: 50 Resp: 3683

Ion Ratio Lower Upper

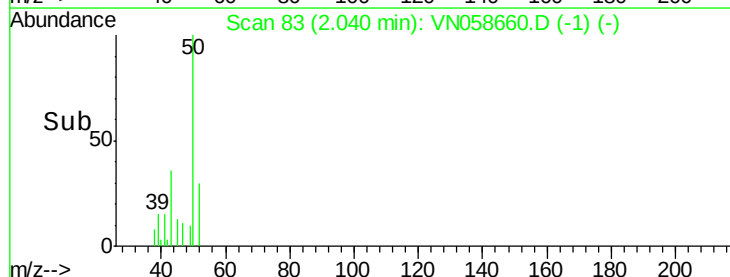
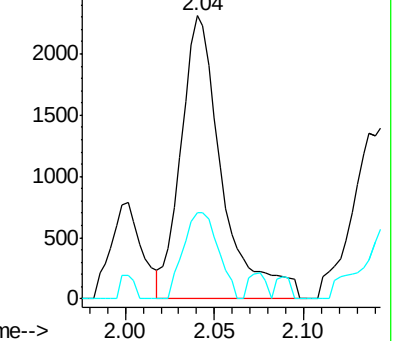
50 100

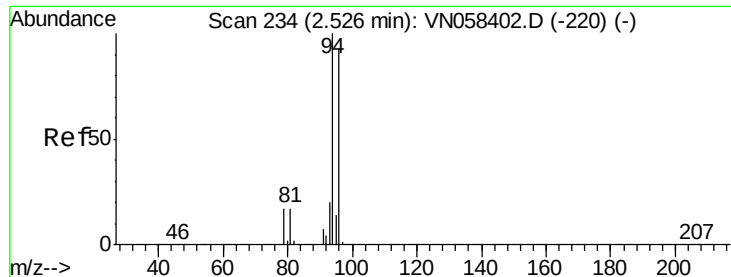
52 30.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#5

Bromomethane

Concen: 0.275 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.03 min

Lab File: VN058660.D

Acq: 9 Oct 2019 22:50

Instrument :

MSVOA_N

ClientSampled :

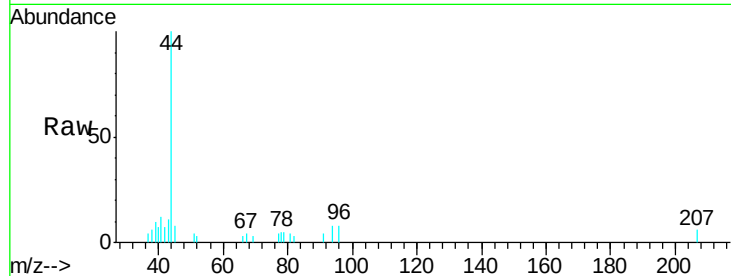
MW-4

Tgt Ion: 94 Resp: 880

Ion Ratio Lower Upper

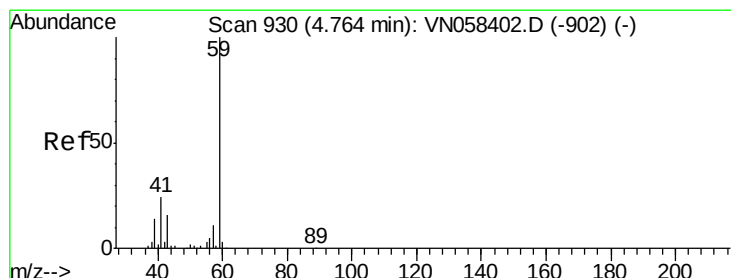
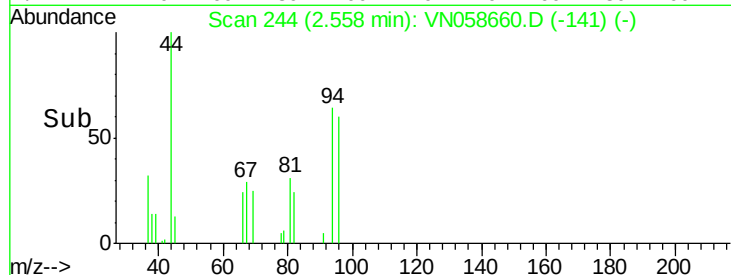
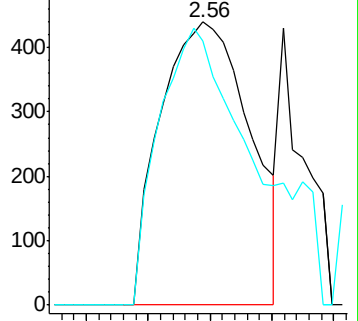
94 100

96 93.4 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#11

Tert butyl alcohol

Concen: 2.092 ug/l

RT: 4.76 min Scan# 928

Delta R.T. -0.01 min

Lab File: VN058660.D

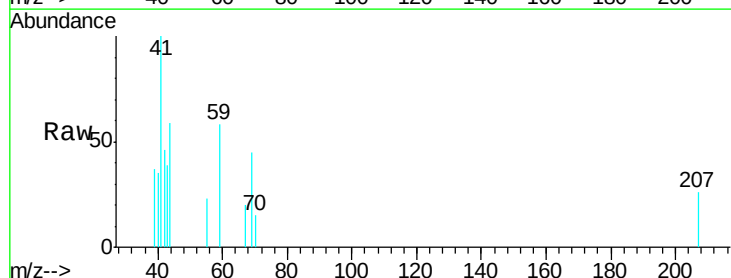
Acq: 9 Oct 2019 22:50

Tgt Ion: 59 Resp: 1733

Ion Ratio Lower Upper

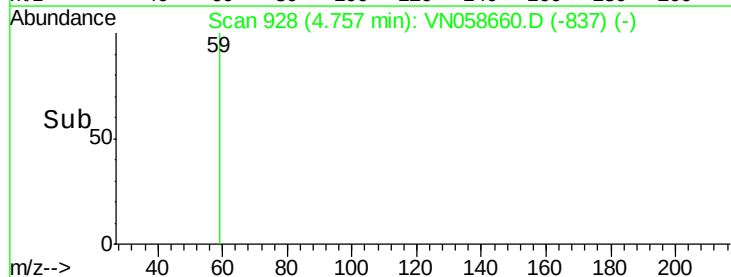
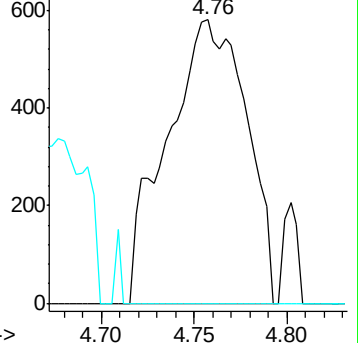
59 100

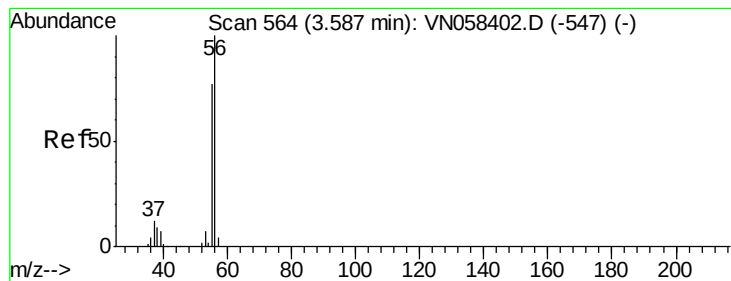
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 348.091 ug/l

RT: 3.54 min Scan# 551

Delta R.T. -0.04 min

Lab File: VN058660.D

Acq: 9 Oct 2019 22:50

Instrument :

MSVOA_N

ClientSampleId :

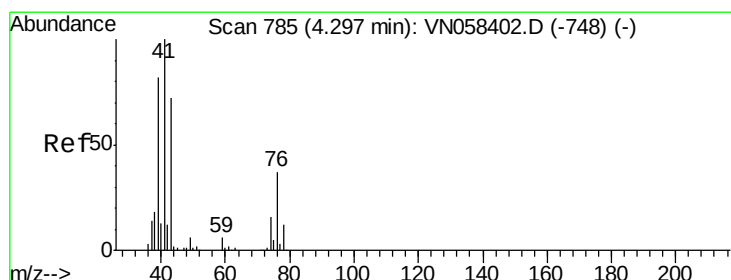
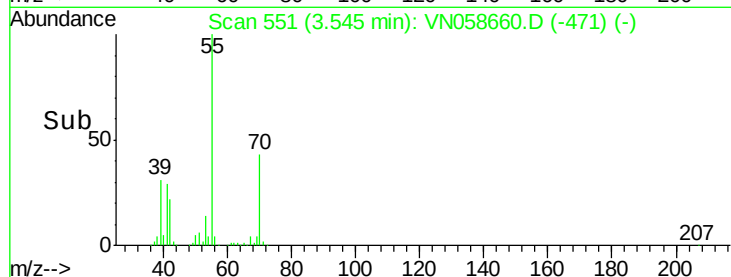
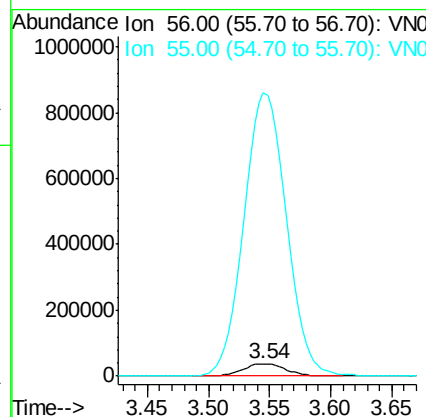
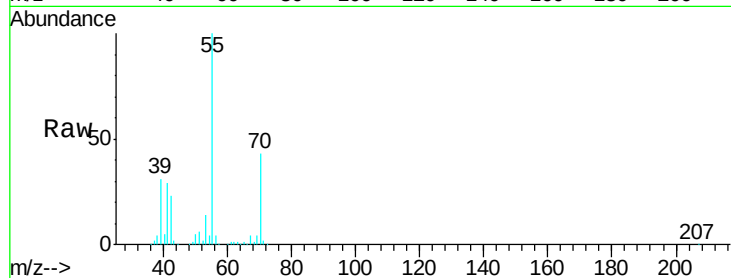
MW-4

Tgt Ion: 56 Resp: 91694

Ion Ratio Lower Upper

56 100

55 2263.9 58.3 87.5#



#14

Allyl chloride

Concen: 2.317 ug/l

RT: 4.41 min Scan# 820

Delta R.T. 0.11 min

Lab File: VN058660.D

Acq: 9 Oct 2019 22:50

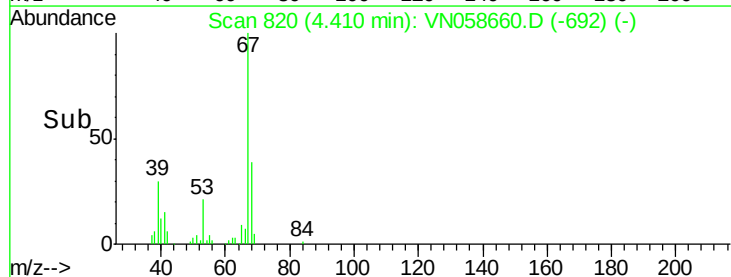
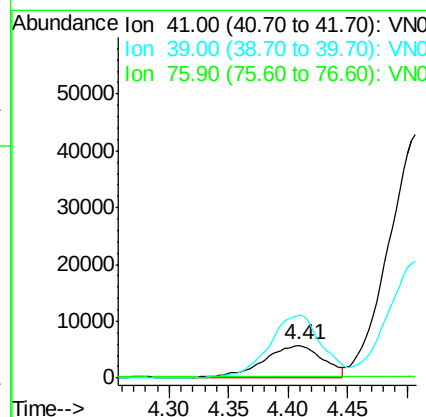
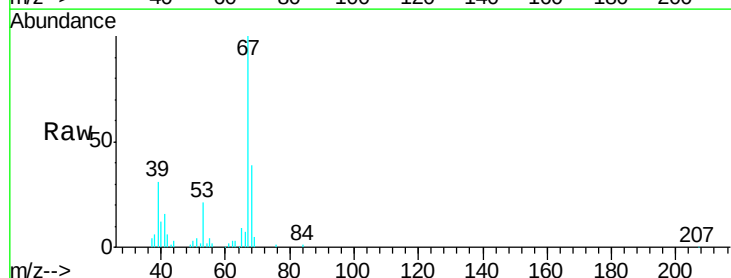
Tgt Ion: 41 Resp: 20291

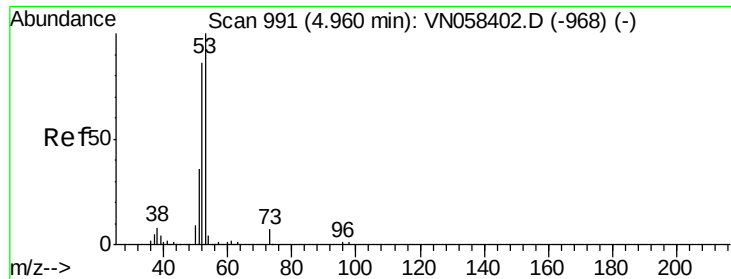
Ion Ratio Lower Upper

41 100

39 171.2 62.3 93.5#

76 0.5 26.9 40.3#





#15

Acrylonitrile

Concen: 9.723 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. 0.07 min

Lab File: VN058660.D

Acq: 9 Oct 2019 22:50

Instrument :

MSVOA_N

ClientSampled :

MW-4

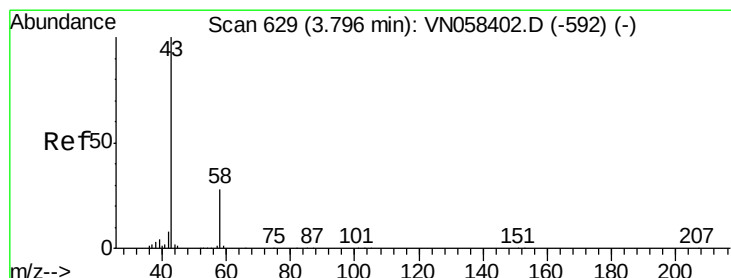
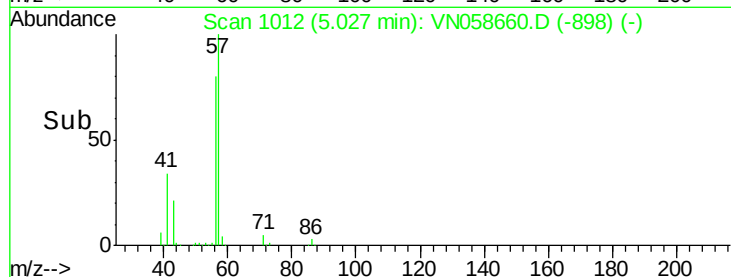
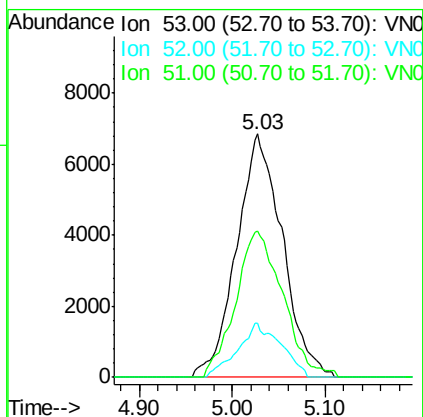
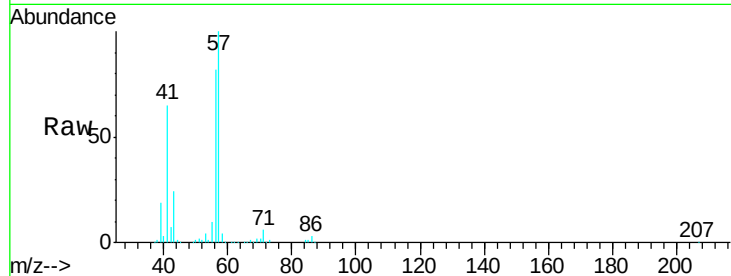
Tgt Ion: 53 Resp: 23469

Ion Ratio Lower Upper

53 100

52 21.0 66.6 100.0#

51 61.9 29.8 44.8#



#16

Acetone

Concen: 73.702 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058660.D

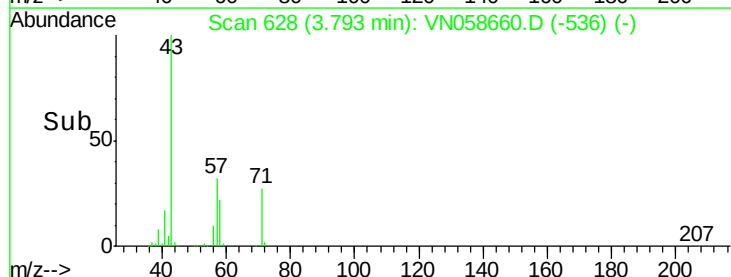
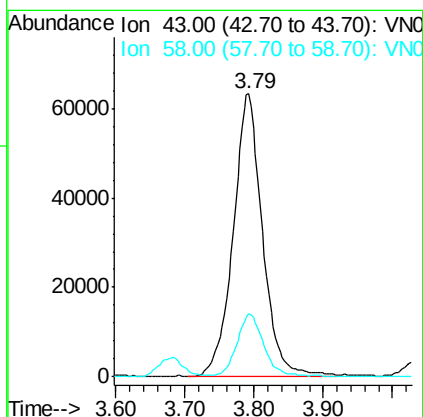
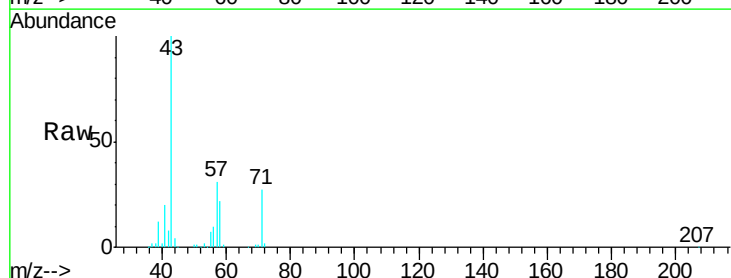
Acq: 9 Oct 2019 22:50

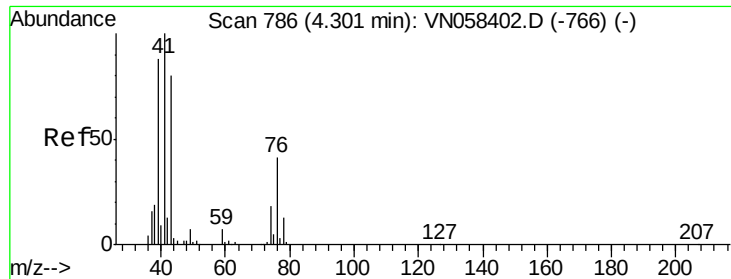
Tgt Ion: 43 Resp: 187305

Ion Ratio Lower Upper

43 100

58 21.8 22.4 33.6#

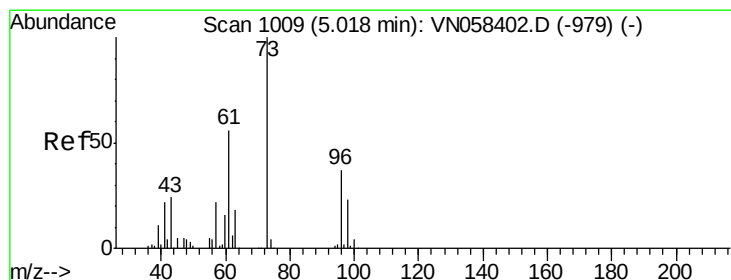
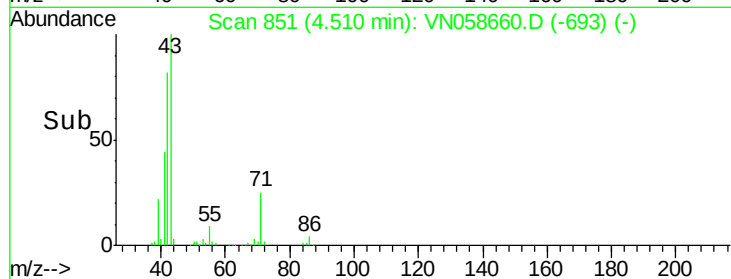
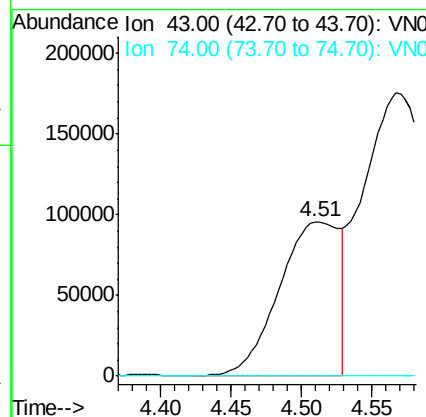
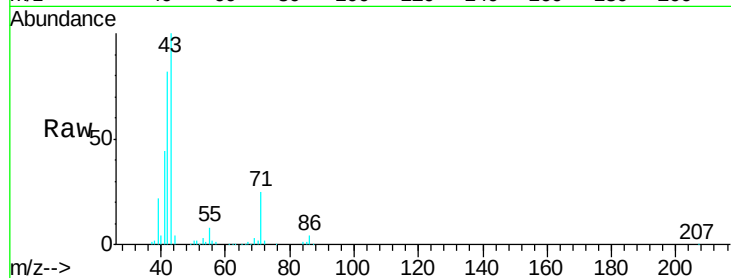




#18
Methyl Acetate
Concen: 44.511 ug/l
RT: 4.51 min Scan# 851
Delta R.T. 0.21 min
Lab File: VN058660.D
Acq: 9 Oct 2019 22:50

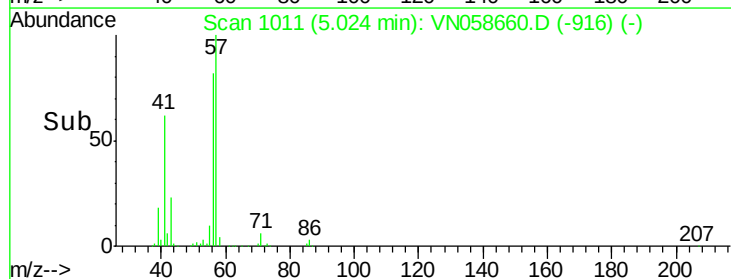
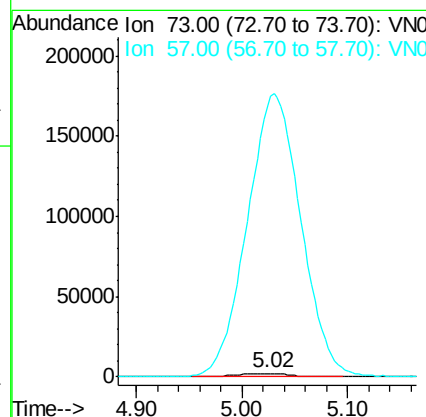
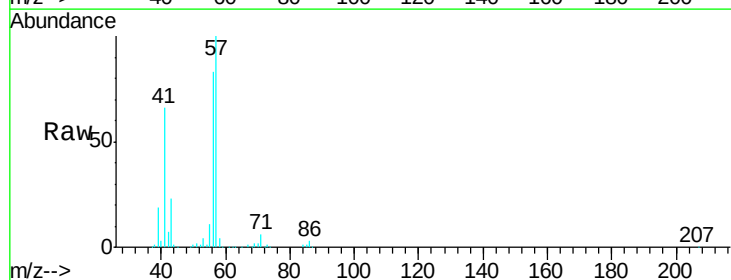
Instrument :
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MW-4

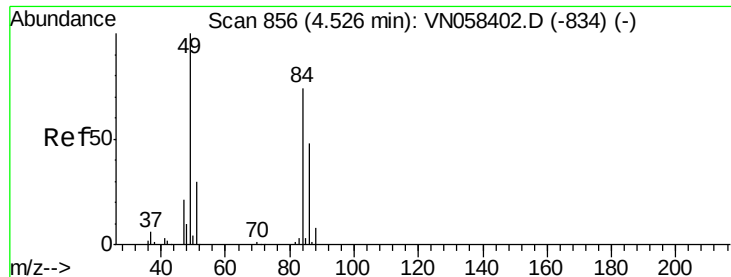
Tgt Ion: 43 Resp: 284508
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#19
Methyl tert-butyl Ether
Concen: 0.444 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VN058660.D
Acq: 9 Oct 2019 22:50

Tgt Ion: 73 Resp: 7542
Ion Ratio Lower Upper
73 100
57 8112.8 17.6 26.4#

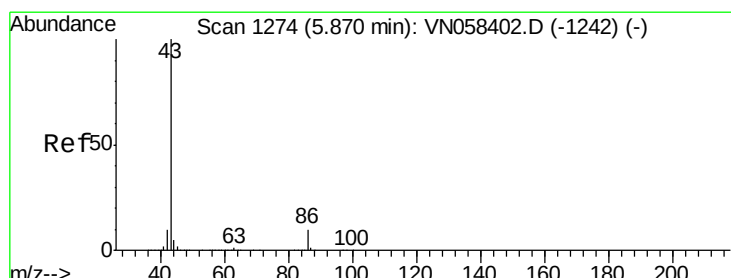
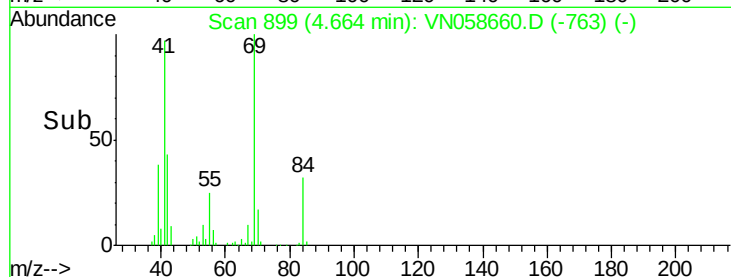
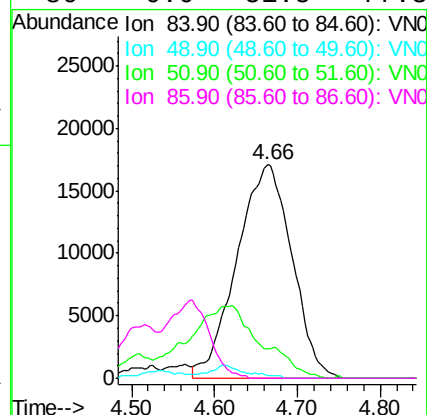
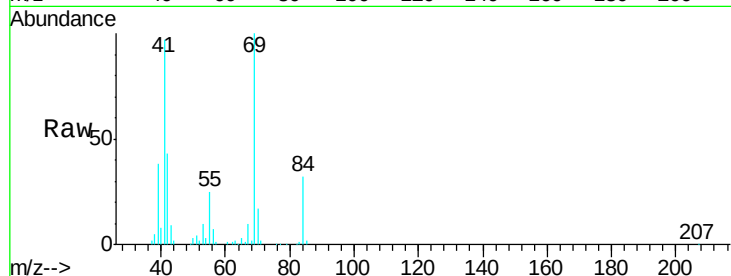




#20
Methylene Chloride
Concen: 13.430 ug/l
RT: 4.66 min Scan# 899
Delta R.T. 0.14 min
Lab File: VN058660.D
Acq: 9 Oct 2019 22:50

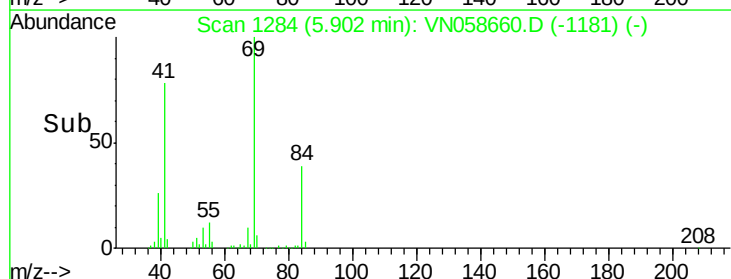
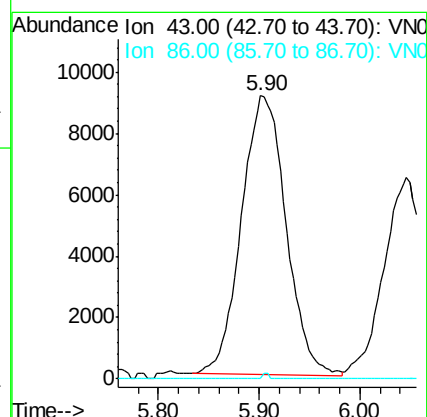
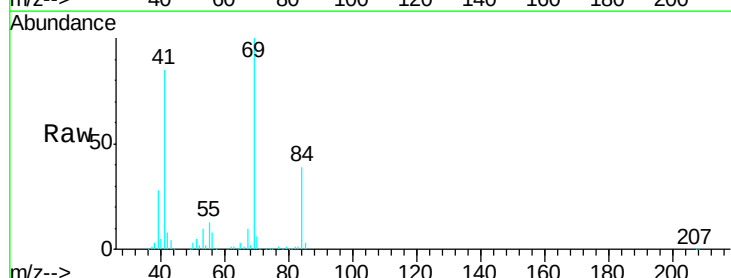
Instrument :
MSVOA_N
ClientSampled :
MW-4

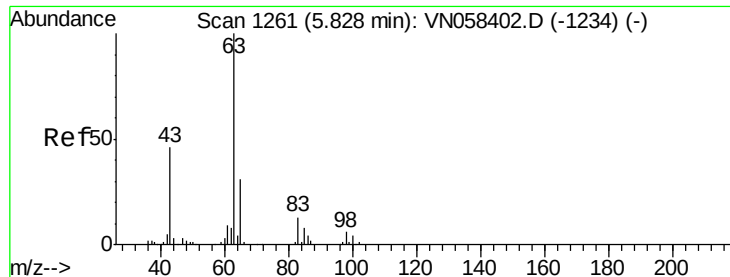
Tgt Ion: 84 Resp: 78764
Ion Ratio Lower Upper
84 100
49 1.1 107.9 161.9#
51 13.6 32.8 49.2#
86 0.0 51.5 77.3#



#23
Vinyl Acetate
Concen: 1.969 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. 0.03 min
Lab File: VN058660.D
Acq: 9 Oct 2019 22:50

Tgt Ion: 43 Resp: 27985
Ion Ratio Lower Upper
43 100
86 0.0 7.7 11.5#





#24

1,1-Dichloroethane

Concen: 0.999 ug/l

RT: 5.91 min Scan# 1286

Delta R.T. 0.08 min

Lab File: VN058660.D

Acq: 9 Oct 2019 22:50

Instrument :

MSVOA_N

ClientSampled :

MW-4

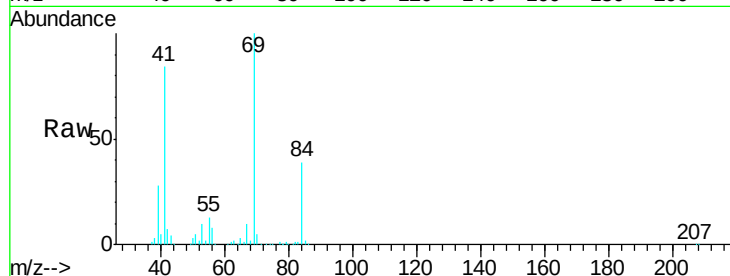
Tgt Ion: 63 Resp: 10591

Ion Ratio Lower Upper

63 100

98 0.0 3.0 9.0#

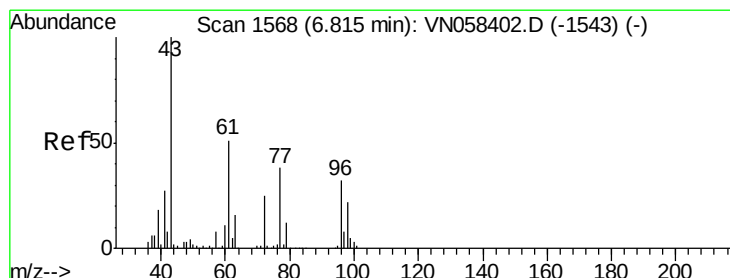
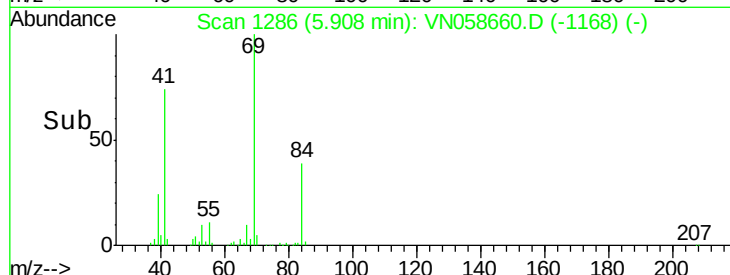
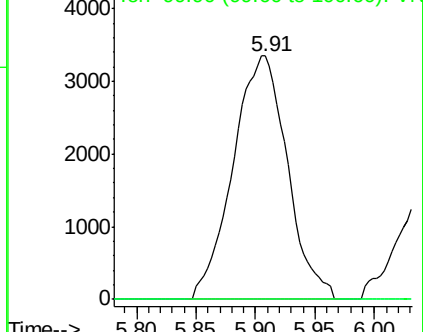
100 0.0 2.0 5.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



#25

2-Butanone

Concen: 20.865 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN058660.D

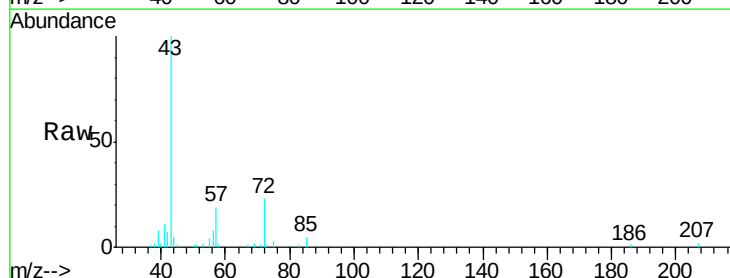
Acq: 9 Oct 2019 22:50

Tgt Ion: 43 Resp: 72802

Ion Ratio Lower Upper

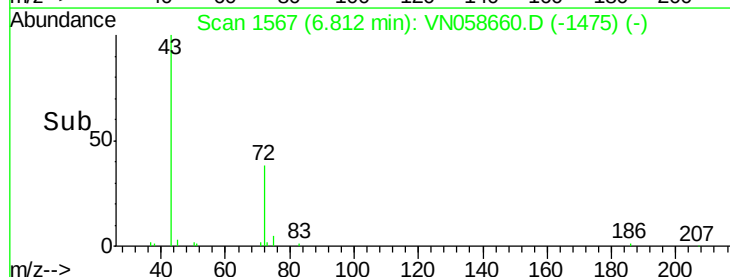
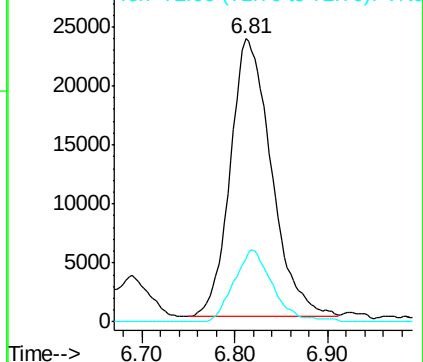
43 100

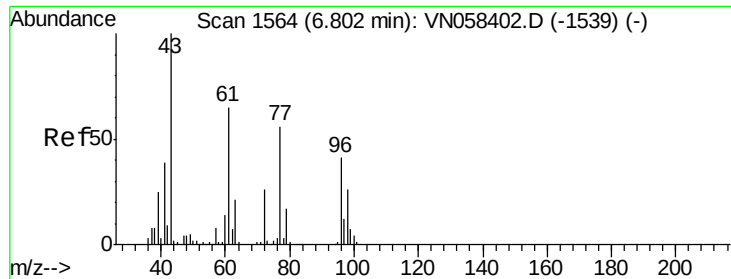
72 23.0 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

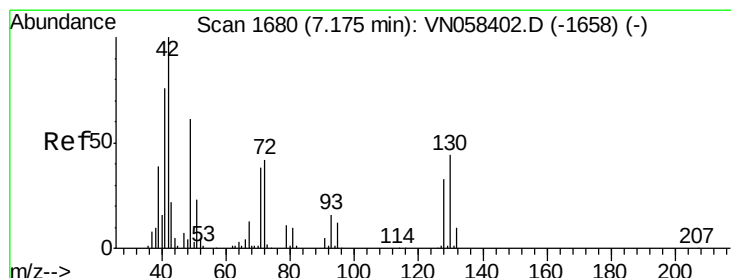
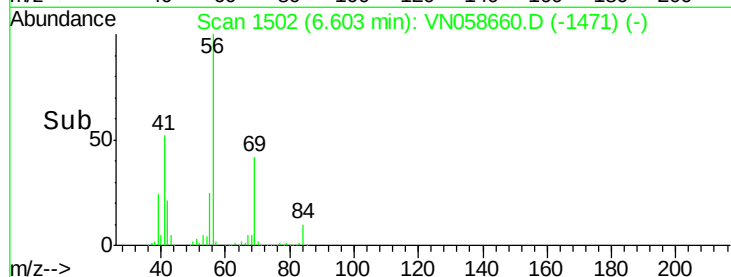
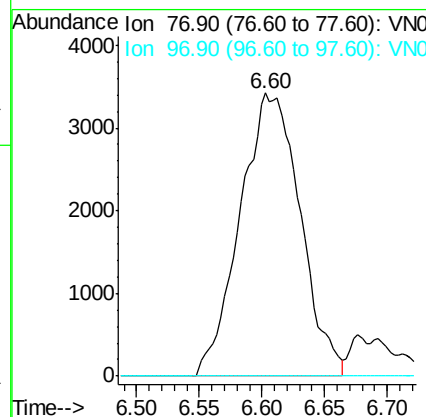
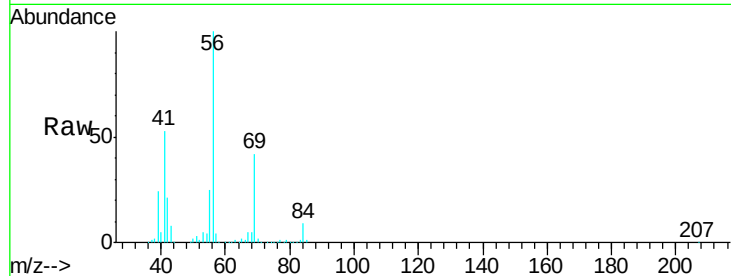




#26
 2,2-Dichloropropane
 Concen: 1.308 ug/l
 RT: 6.60 min Scan# 1502
 Delta R.T. -0.20 min
 Lab File: VN058660.D
 Acq: 9 Oct 2019 22:50

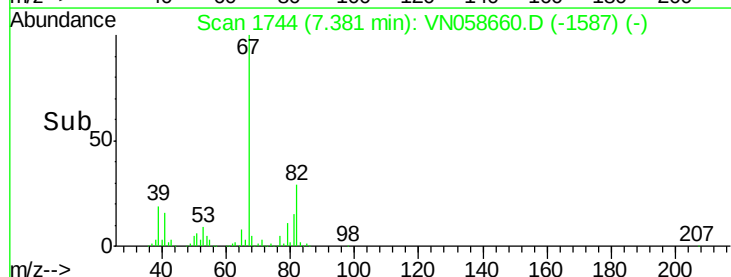
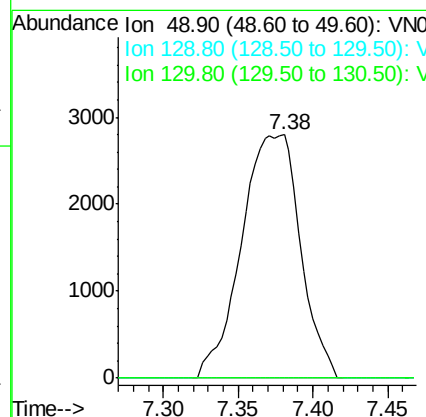
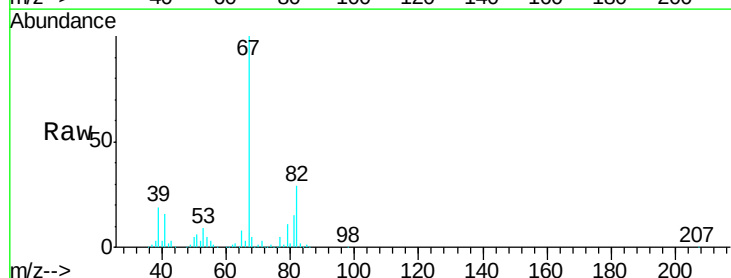
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

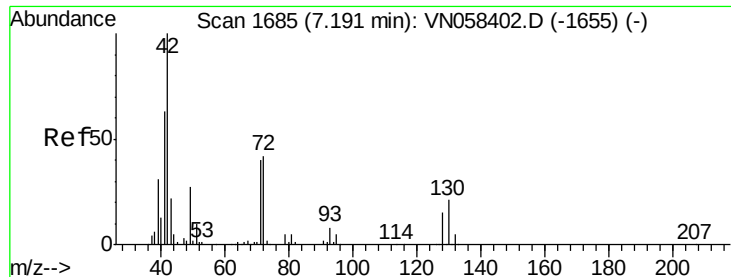
Tgt Ion: 77 Resp: 11406
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.9 32.6#



#28
 Bromochloromethane
 Concen: 1.805 ug/l
 RT: 7.38 min Scan# 1744
 Delta R.T. 0.21 min
 Lab File: VN058660.D
 Acq: 9 Oct 2019 22:50

Tgt Ion: 49 Resp: 7655
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.4
 130 0.0 56.3 84.5#





#29

Tetrahydrofuran

Concen: 0.453 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.01 min

Lab File: VN058660.D

Acq: 9 Oct 2019 22:50

Instrument :

MSVOA_N

ClientSampled :

MW-4

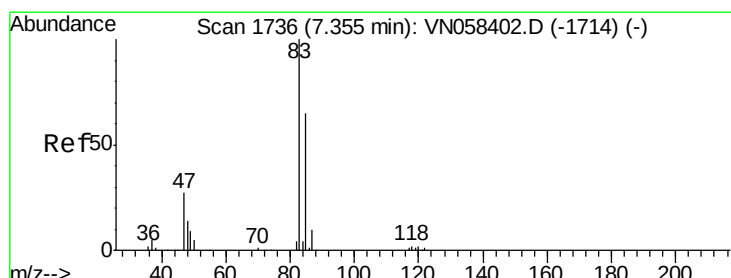
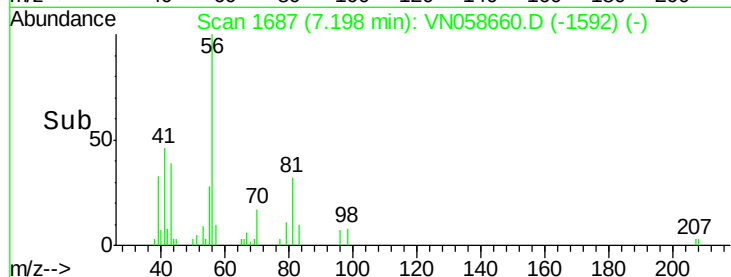
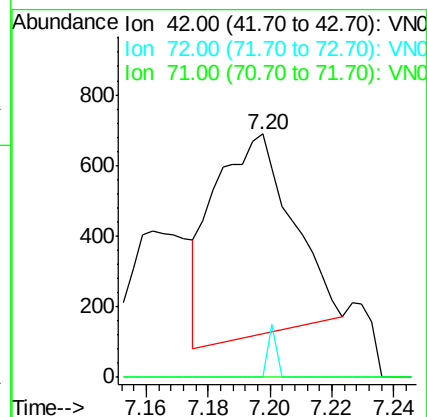
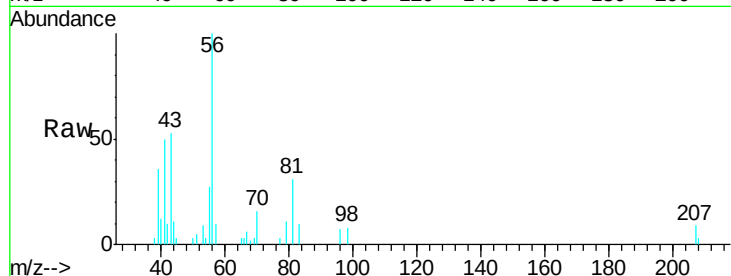
Tgt Ion: 42 Resp: 1004

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 0.0 31.8 47.6#



#30

Chloroform

Concen: 1.809 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.02 min

Lab File: VN058660.D

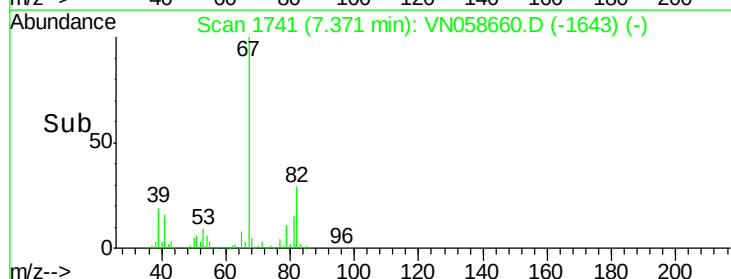
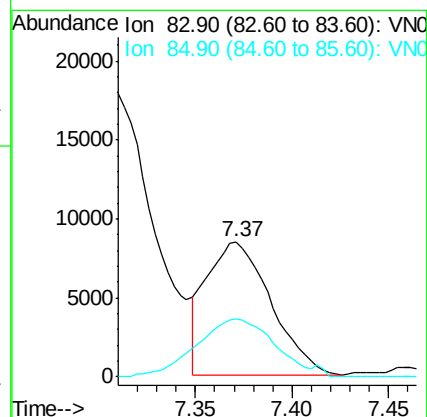
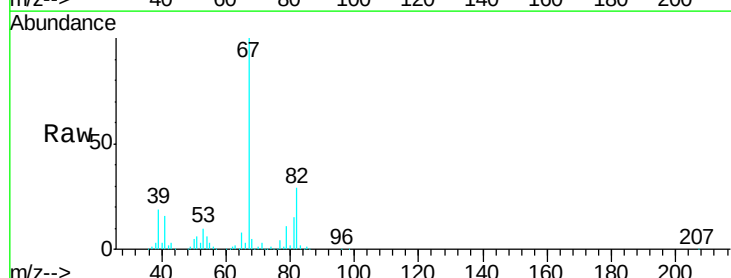
Acq: 9 Oct 2019 22:50

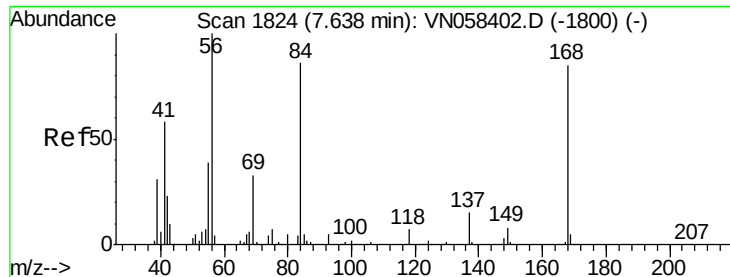
Tgt Ion: 83 Resp: 19447

Ion Ratio Lower Upper

83 100

85 43.4 52.0 78.0#





#31

Cyclohexane

Concen: 50.321 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN058660.D

Acq: 9 Oct 2019 22:50

Instrument :

MSVOA_N

ClientSampled :

MW-4

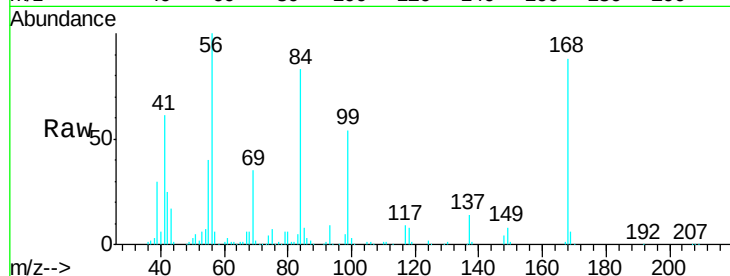
Tgt Ion: 56 Resp: 519193

Ion Ratio Lower Upper

56 100

69 34.1 26.2 39.4

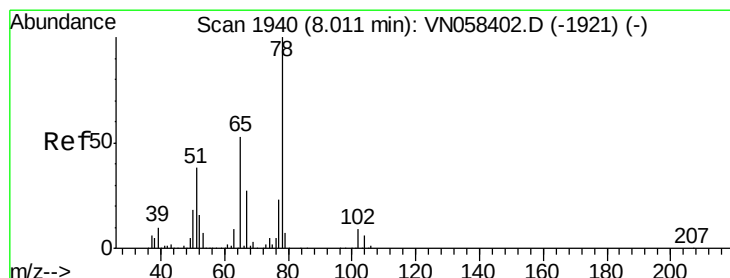
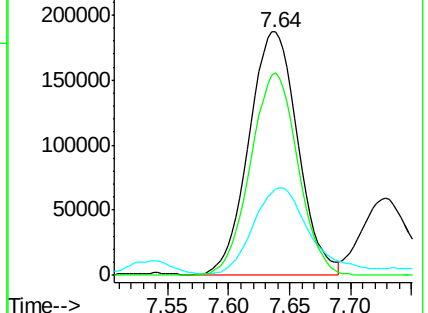
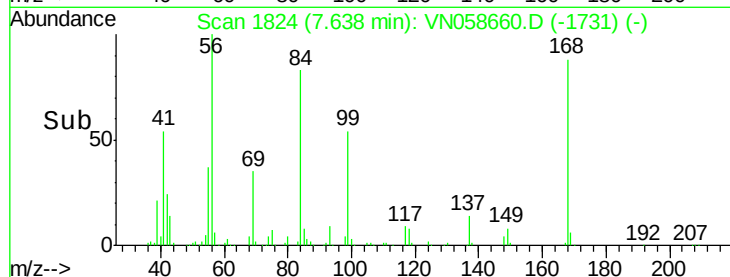
84 83.2 67.6 101.4



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: 44.974 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058660.D

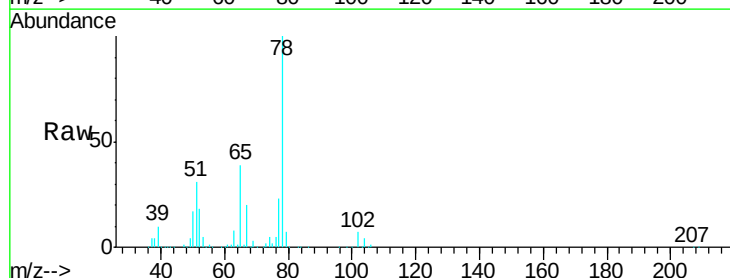
Acq: 9 Oct 2019 22:50

Tgt Ion: 65 Resp: 335287

Ion Ratio Lower Upper

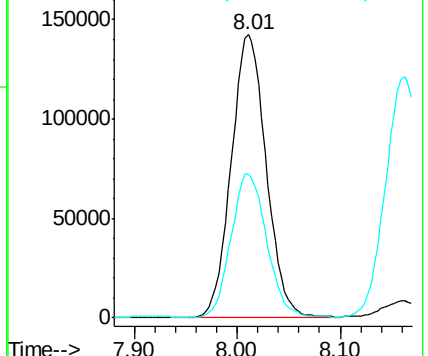
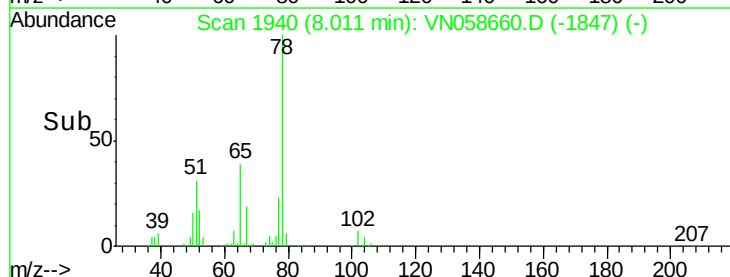
65 100

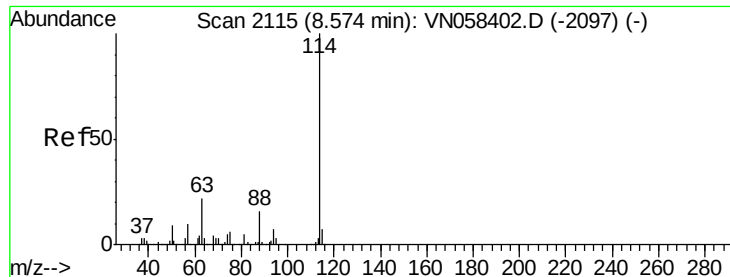
67 52.1 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

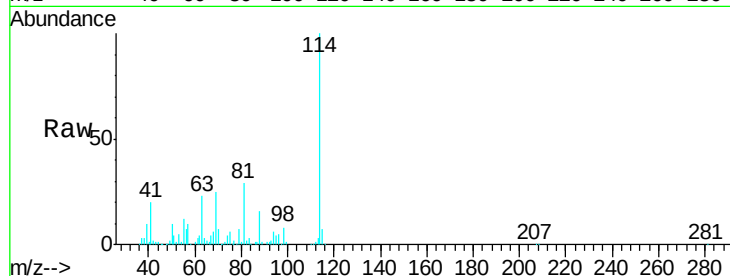




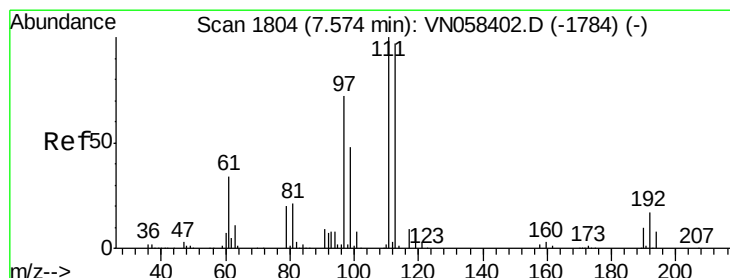
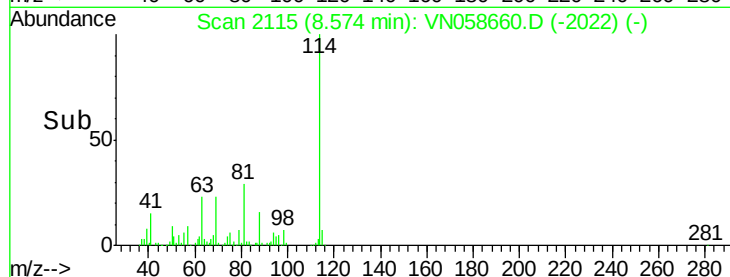
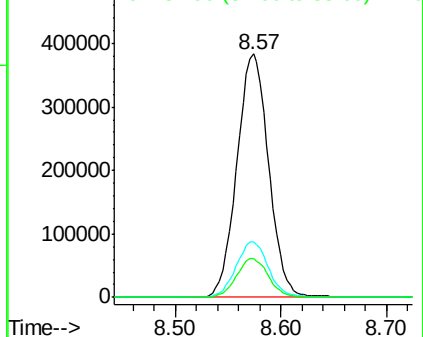
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058660.D
 Acq: 9 Oct 2019 22:50

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Tgt Ion:114 Resp: 801892
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 45.0
 88 15.9 0.0 32.2

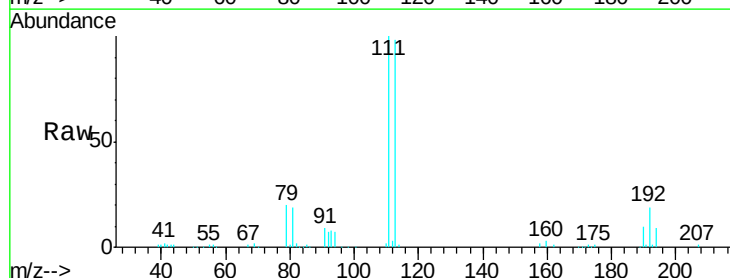


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

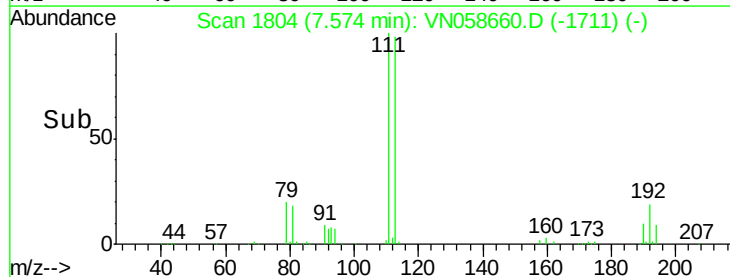
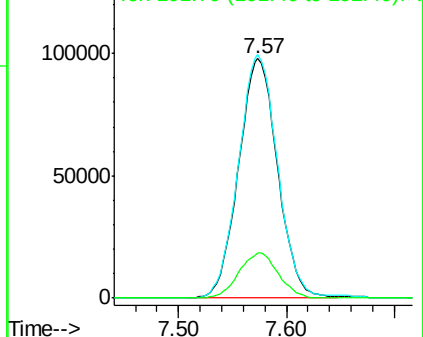


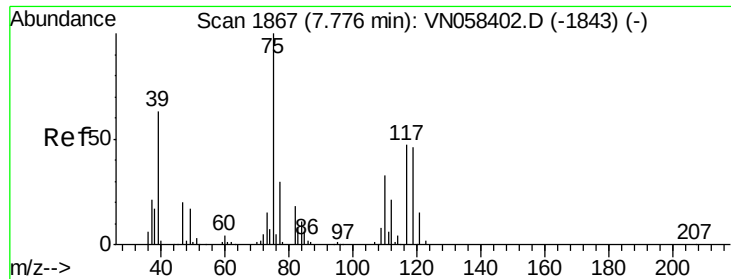
#35
 Dibromofluoromethane
 Concen: 50.048 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058660.D
 Acq: 9 Oct 2019 22:50

Tgt Ion:113 Resp: 245971
 Ion Ratio Lower Upper
 113 100
 111 102.7 83.4 125.2
 192 19.1 14.9 22.3



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

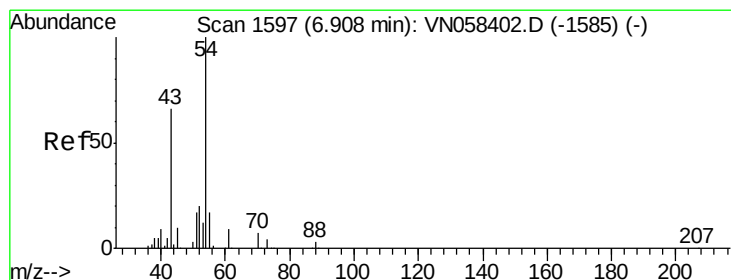
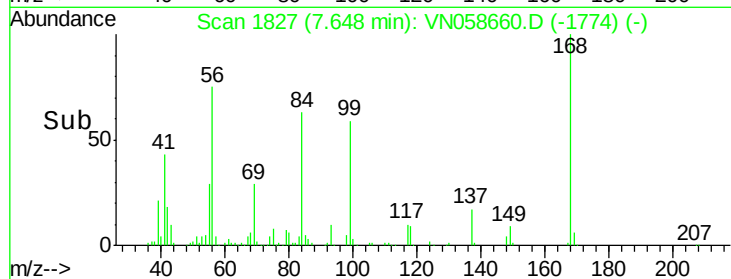
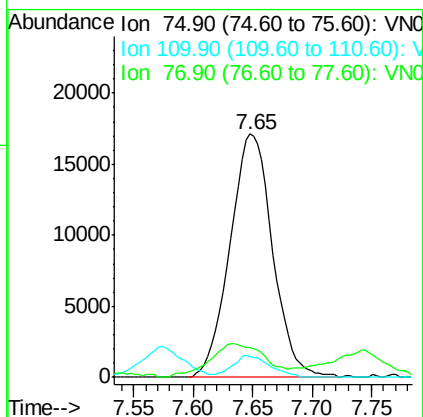
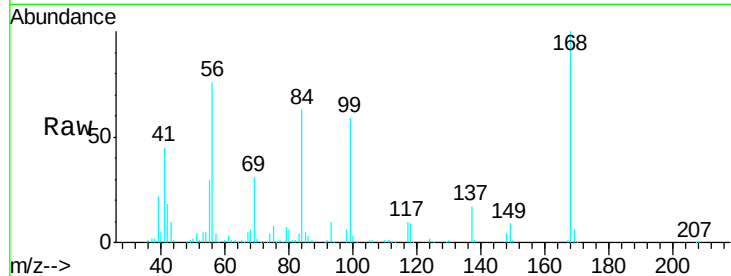




#36
 1,1-Dichloropropene
 Concen: 5.524 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058660.D
 Acq: 9 Oct 2019 22:50

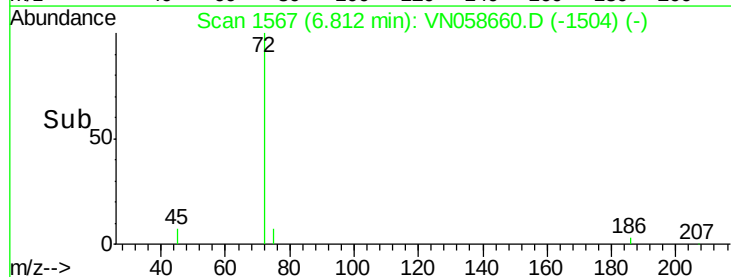
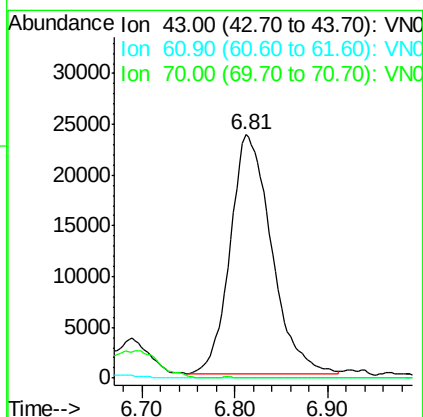
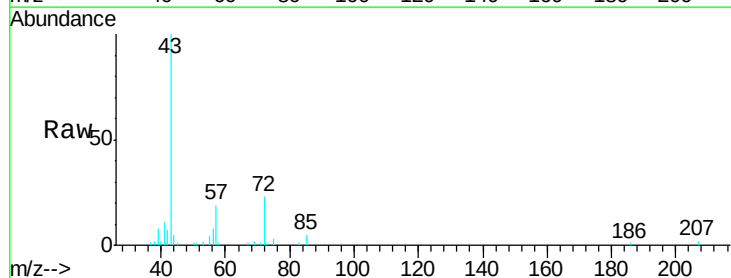
Instrument :
 MSVOA_N
 ClientSampled :
 MW-4

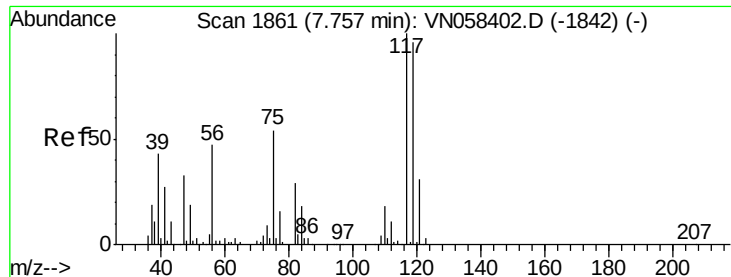
Tgt Ion: 75 Resp: 42359
 Ion Ratio Lower Upper
 75 100
 110 8.0 16.4 49.2#
 77 0.0 24.3 36.5#



#37
 Ethyl Acetate
 Concen: 11.199 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.10 min
 Lab File: VN058660.D
 Acq: 9 Oct 2019 22:50

Tgt Ion: 43 Resp: 72802
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.5 15.7#
 70 0.0 7.8 11.6#





#38

Carbon Tetrachloride

Concen: 7.530 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058660.D

Acq: 9 Oct 2019 22:50

Instrument :

MSVOA_N

ClientSampleId :

MW-4

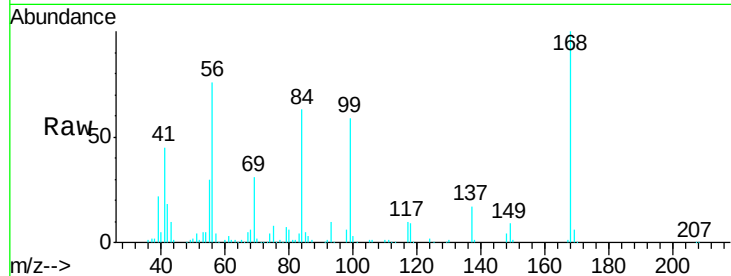
Tgt Ion:117 Resp: 52113

Ion Ratio Lower Upper

117 100

119 4.2 76.6 115.0#

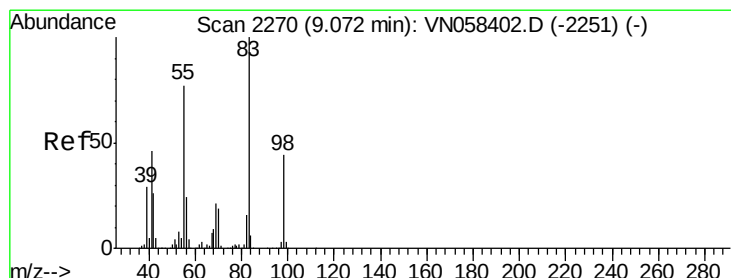
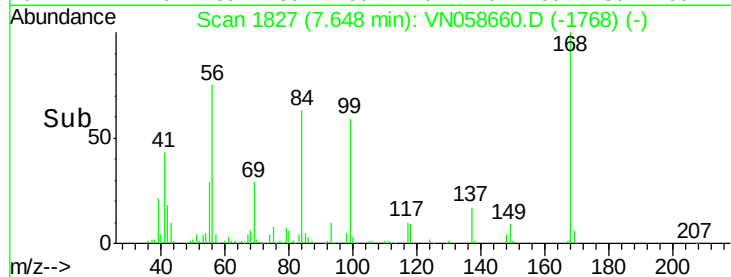
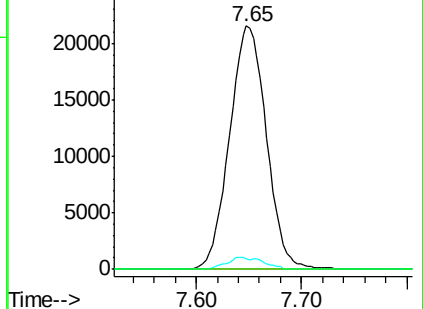
121 0.0 24.7 37.1#



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



#39

Methylcyclohexane

Concen: 35.633 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VN058660.D

Acq: 9 Oct 2019 22:50

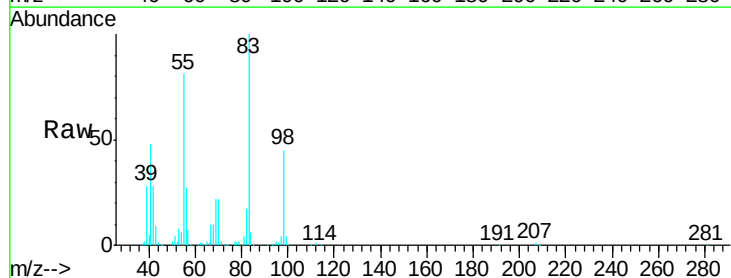
Tgt Ion: 83 Resp: 319061

Ion Ratio Lower Upper

83 100

55 80.6 61.8 92.6

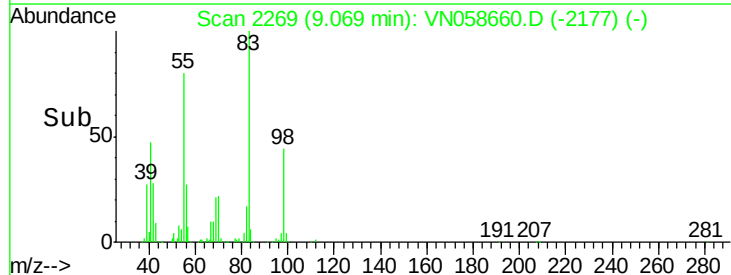
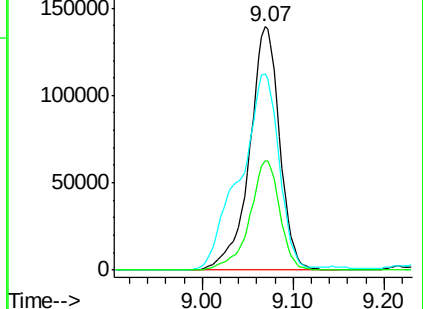
98 44.7 35.4 53.0

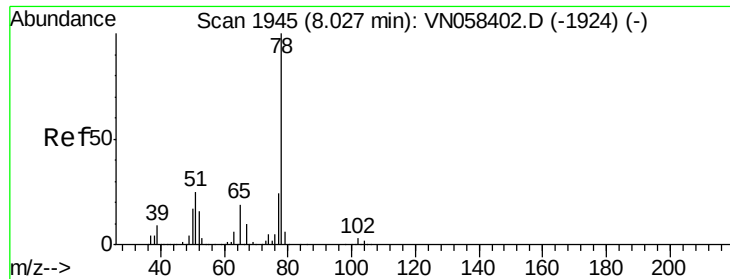


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#40

Benzene

Concen: 62.914 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN058660.D

Acq: 9 Oct 2019 22:50

Instrument :

MSVOA_N

ClientSampled :

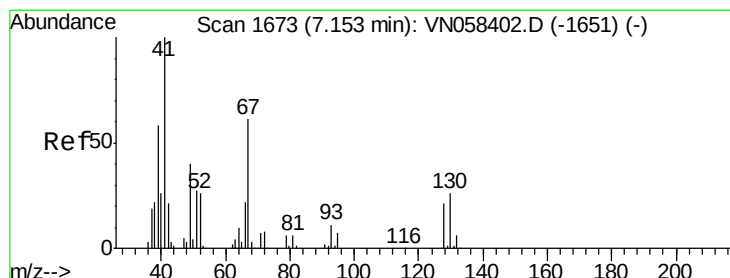
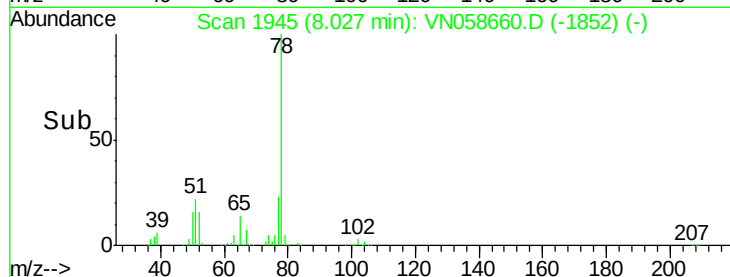
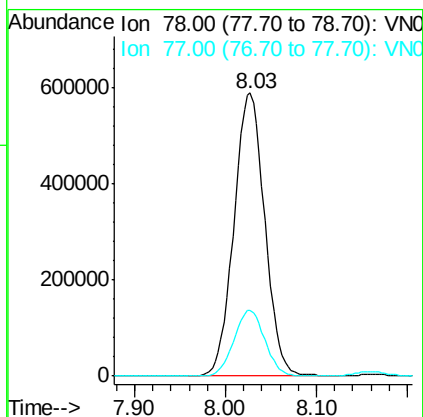
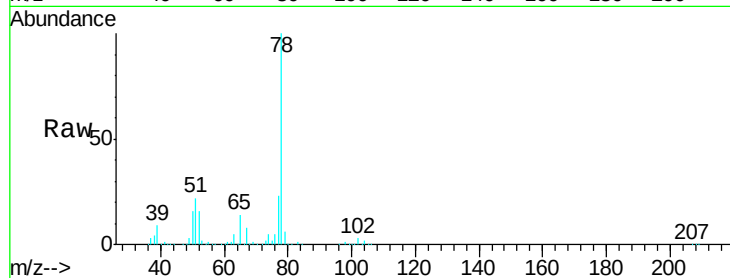
MW-4

Tgt Ion: 78 Resp: 1386644

Ion Ratio Lower Upper

78 100

77 23.2 18.9 28.3



#41

Methacrylonitrile

Concen: 4.283 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.04 min

Lab File: VN058660.D

Acq: 9 Oct 2019 22:50

Tgt Ion: 41 Resp: 12808

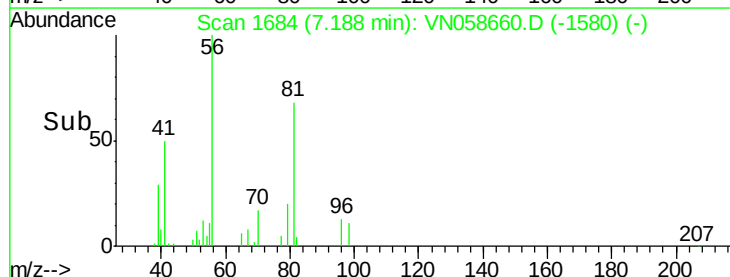
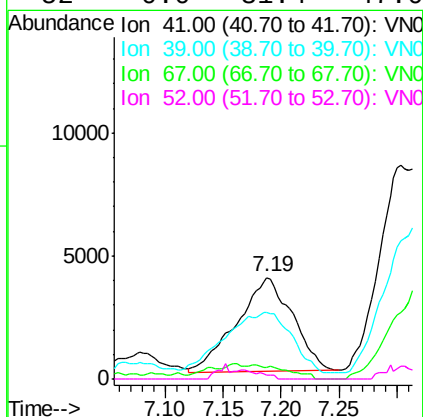
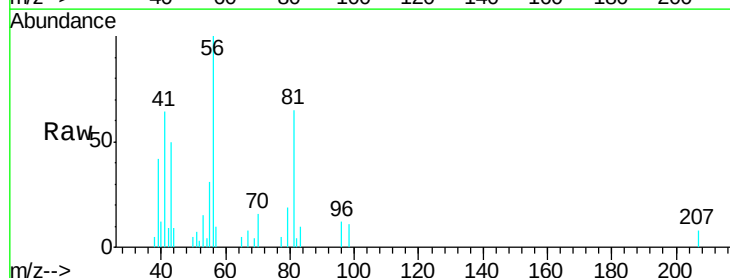
Ion Ratio Lower Upper

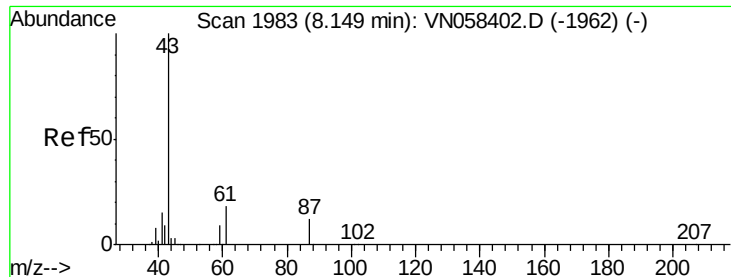
41 100

39 76.9 50.2 75.4#

67 0.0 70.2 105.4#

52 0.0 31.4 47.0#





#43

Isopropyl Acetate

Concen: 4.989 ug/l

RT: 8.13 min Scan# 1978

Delta R.T. -0.02 min

Lab File: VN058660.D

Acq: 9 Oct 2019 22:50

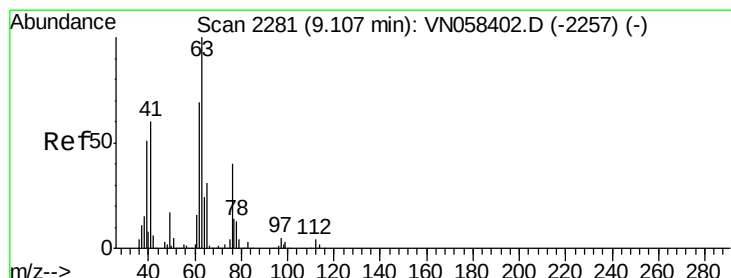
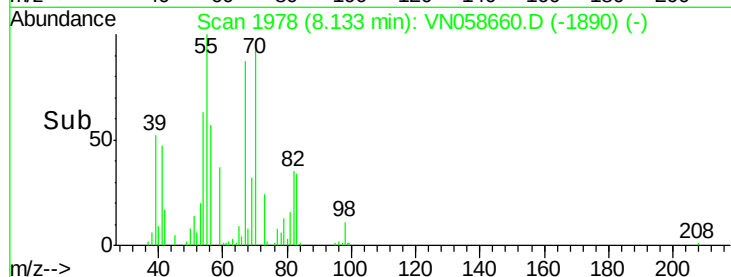
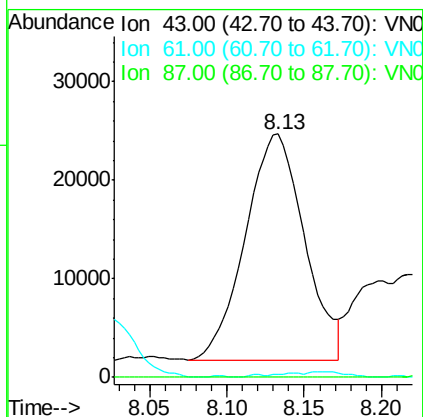
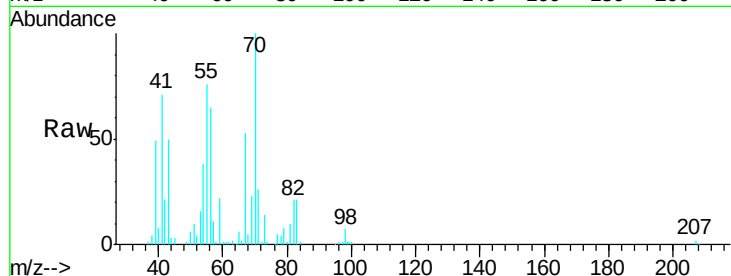
Instrument :

MSVOA_N

ClientSampleId :

MW-4

Tgt Ion:	43	Resp:	60987
Ion	Ratio	Lower	Upper
43	100		
61	0.0	14.8	22.2#
87	0.0	9.7	14.5#



#45

1,2-Dichloropropane

Concen: 0.421 ug/l

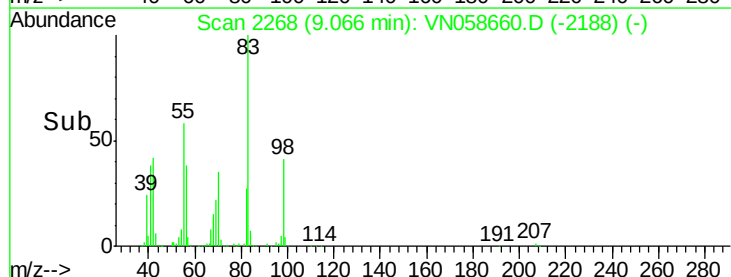
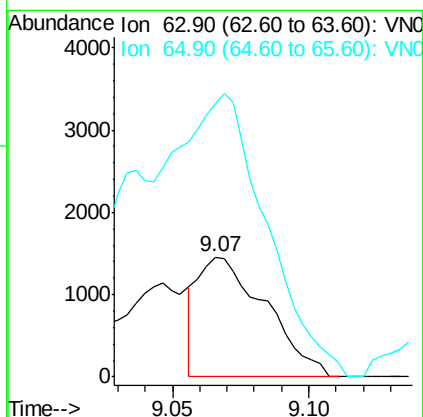
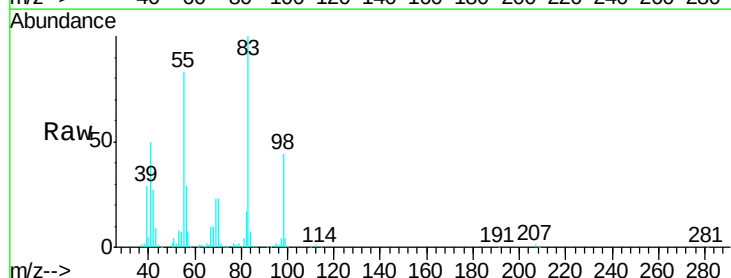
RT: 9.07 min Scan# 2268

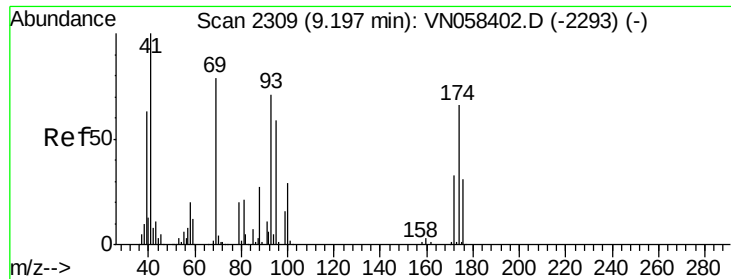
Delta R.T. -0.04 min

Lab File: VN058660.D

Acq: 9 Oct 2019 22:50

Tgt Ion:	63	Resp:	2490
Ion	Ratio	Lower	Upper
63	100		
65	215.3	25.0	37.4#





#46

Dibromomethane

Concen: 0.247 ug/l

RT: 9.14 min Scan# 2290

Delta R.T. -0.06 min

Lab File: VN058660.D

Acq: 9 Oct 2019 22:50

Instrument :

MSVOA_N

ClientSampleId :

MW-4

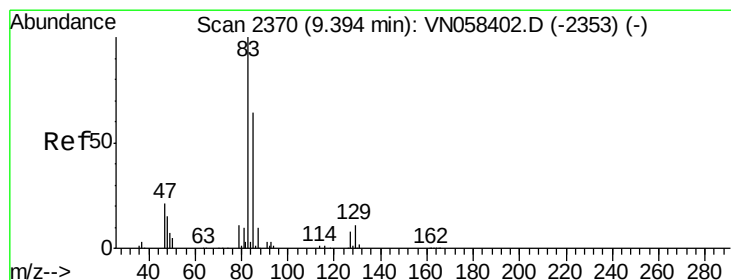
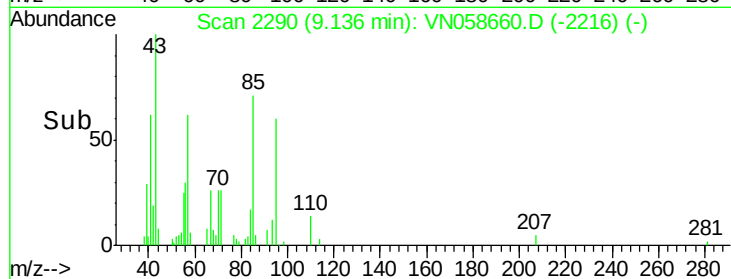
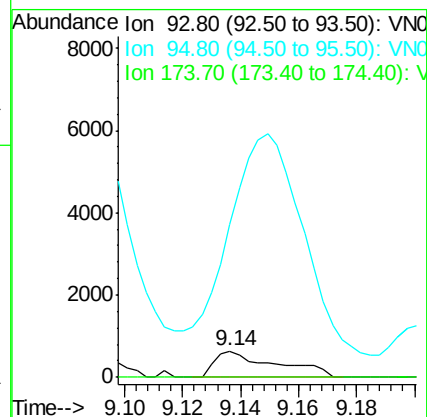
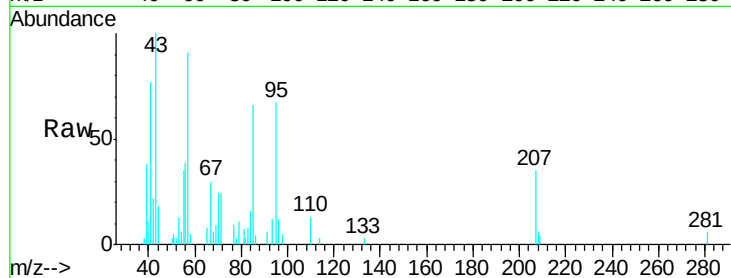
Tgt Ion: 93 Resp: 923

Ion Ratio Lower Upper

93 100

95 1252.3 67.0 100.4#

174 0.0 74.2 111.2#



#47

Bromodichloromethane

Concen: 2.300 ug/l

RT: 9.38 min Scan# 2365

Delta R.T. -0.02 min

Lab File: VN058660.D

Acq: 9 Oct 2019 22:50

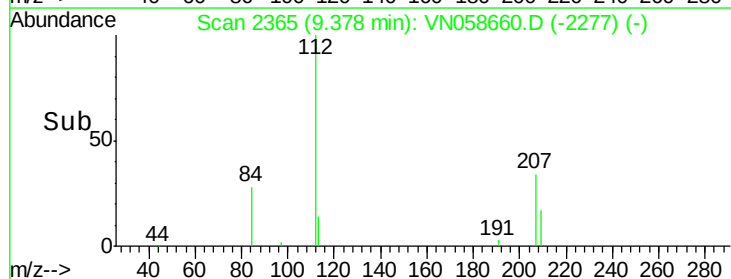
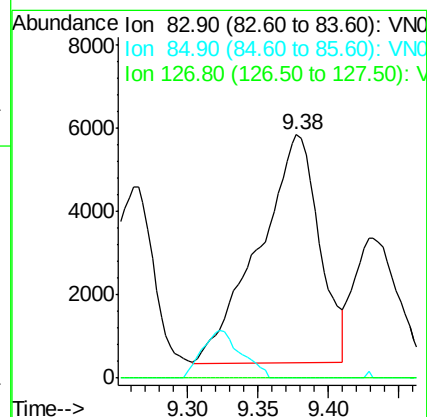
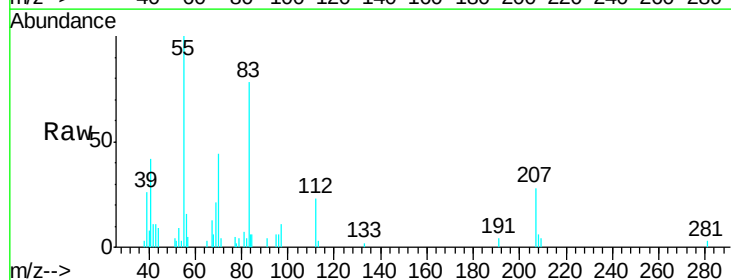
Tgt Ion: 83 Resp: 16310

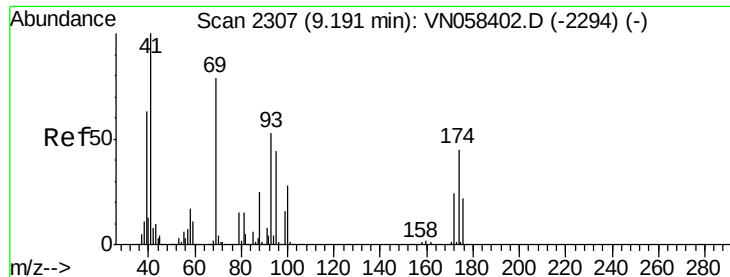
Ion Ratio Lower Upper

83 100

85 0.0 51.2 76.8#

127 0.0 6.3 9.5#

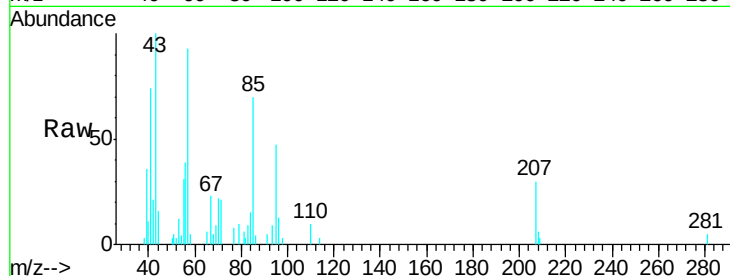




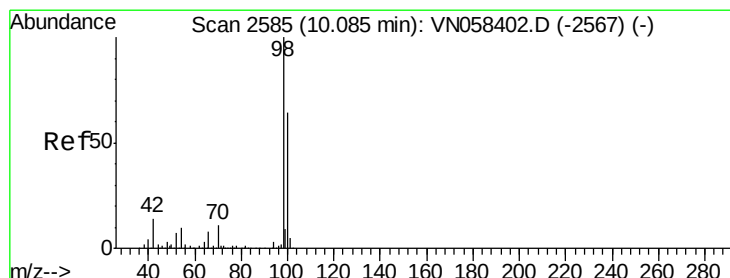
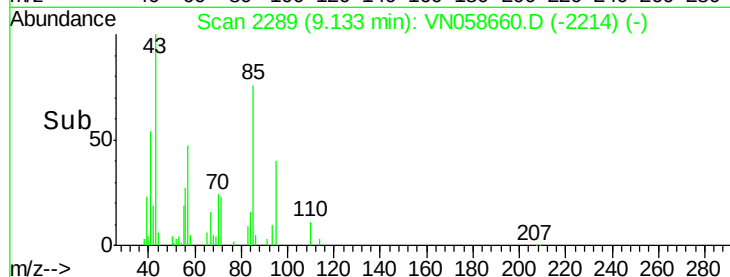
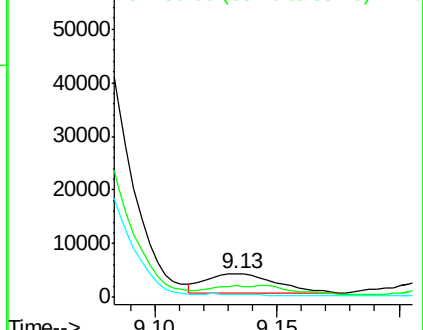
#48
Methyl methacrylate
Concen: 1.264 ug/l
RT: 9.13 min Scan# 2289
Delta R.T. -0.06 min
Lab File: VN058660.D
Acq: 9 Oct 2019 22:50

Instrument :
MSVOA_N
ClientSampled :
MW-4

Tgt Ion: 41 Resp: 7037
Ion Ratio Lower Upper
41 100
69 0.0 64.7 97.1#
39 0.0 52.9 79.3#

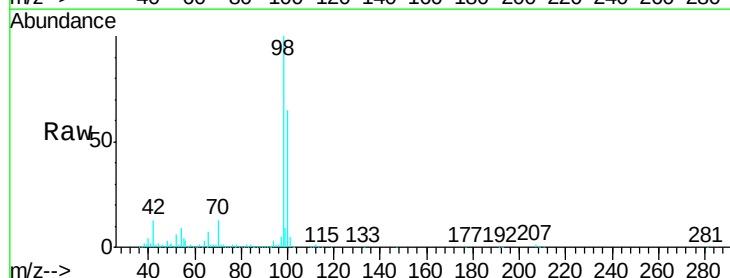


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

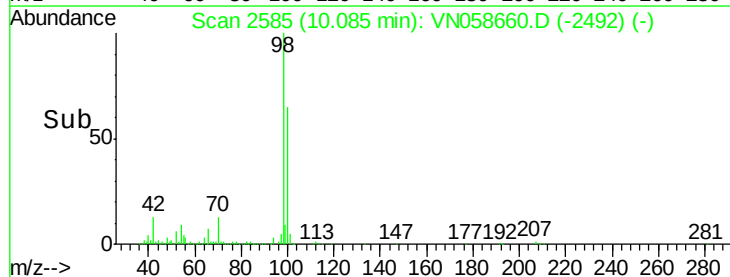
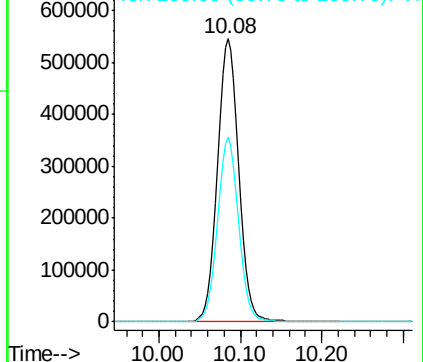


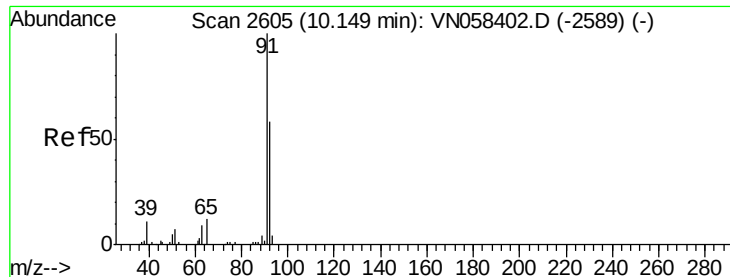
#50
Toluene-d8
Concen: 52.471 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058660.D
Acq: 9 Oct 2019 22:50

Tgt Ion: 98 Resp: 1010231
Ion Ratio Lower Upper
98 100
100 64.7 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#52

Toluene

Concen: 17.611 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058660.D

Acq: 9 Oct 2019 22:50

Instrument :

MSVOA_N

ClientSampled :

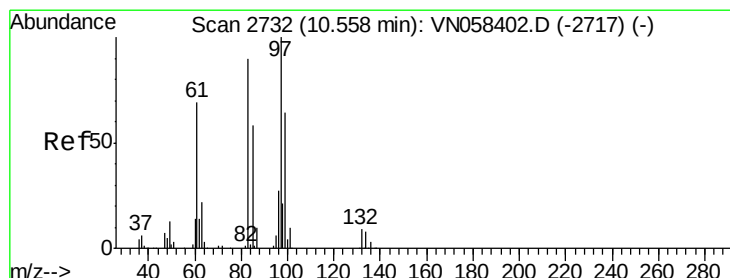
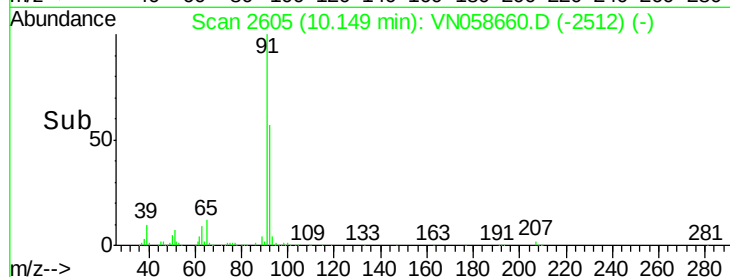
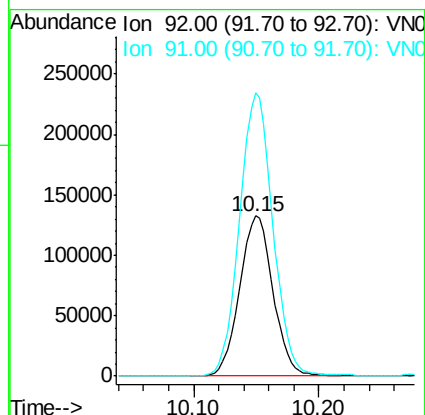
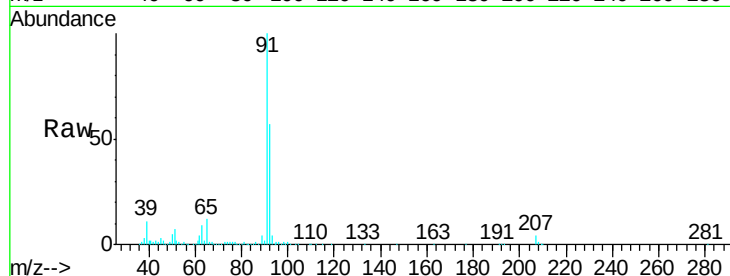
MW-4

Tgt Ion: 92 Resp: 244318

Ion Ratio Lower Upper

92 100

91 177.2 140.2 210.4



#55

1,1,2-Trichloroethane

Concen: 9.630 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.03 min

Lab File: VN058660.D

Acq: 9 Oct 2019 22:50

Tgt Ion: 97 Resp: 48647

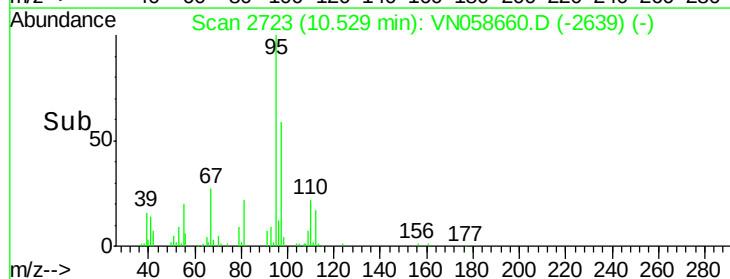
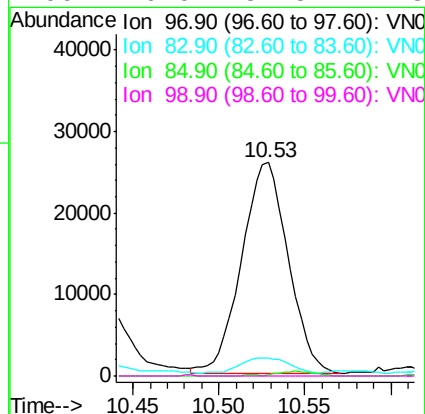
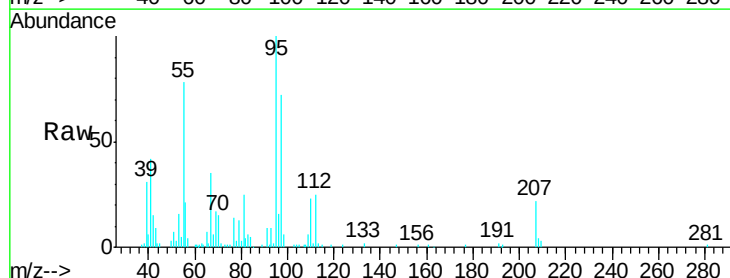
Ion Ratio Lower Upper

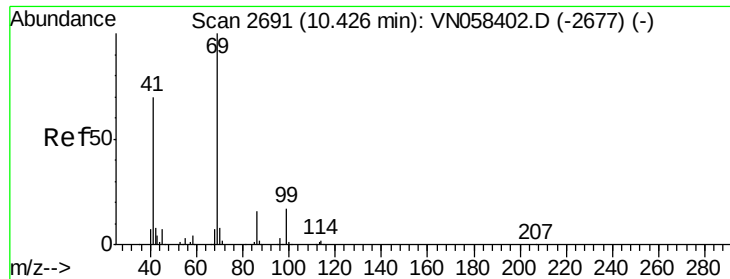
97 100

83 6.8 71.8 107.6#

85 0.7 46.6 69.8#

99 0.0 51.5 77.3#





#56

Ethyl methacrylate

Concen: 0.840 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058660.D

Acq: 9 Oct 2019 22:50

Instrument :

MSVOA_N

ClientSampled :

MW-4

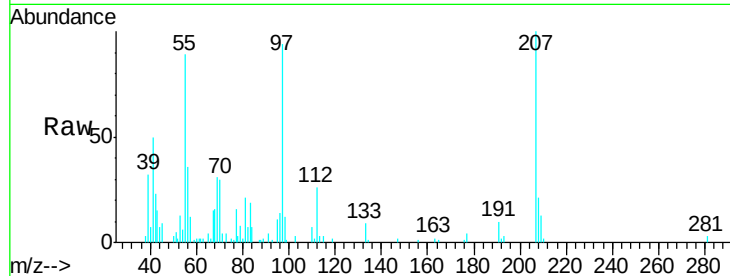
Tgt Ion: 69 Resp: 6435

Ion Ratio Lower Upper

69 100

41 95.6 56.3 84.5#

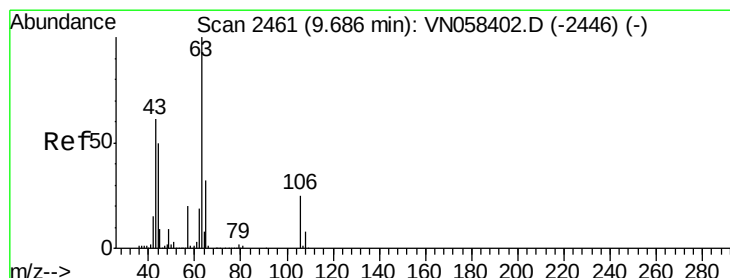
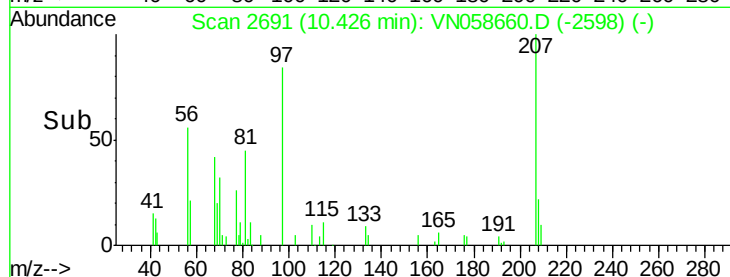
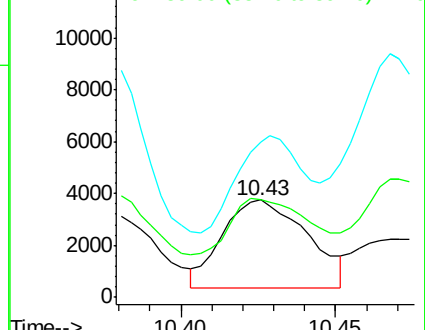
39 55.2 35.8 53.6#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 1.027 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.02 min

Lab File: VN058660.D

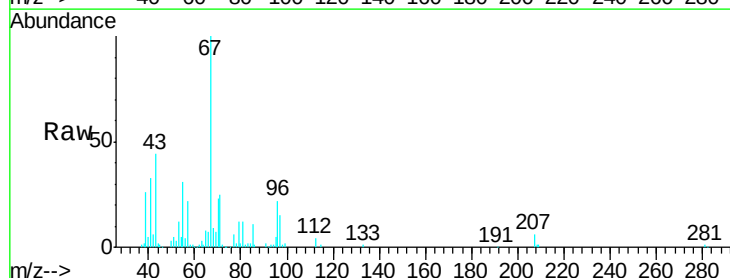
Acq: 9 Oct 2019 22:50

Tgt Ion: 63 Resp: 3140

Ion Ratio Lower Upper

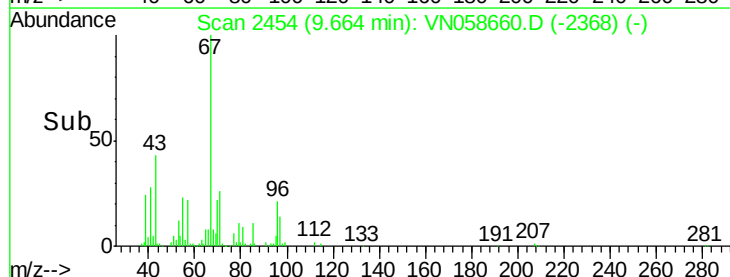
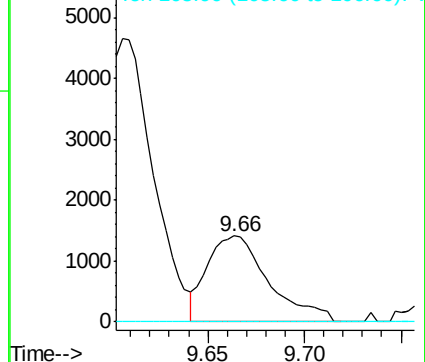
63 100

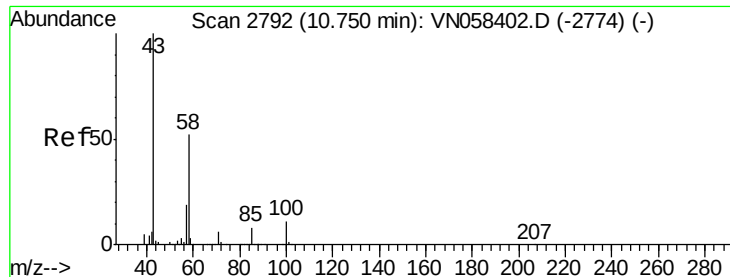
106 0.0 20.3 30.5#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

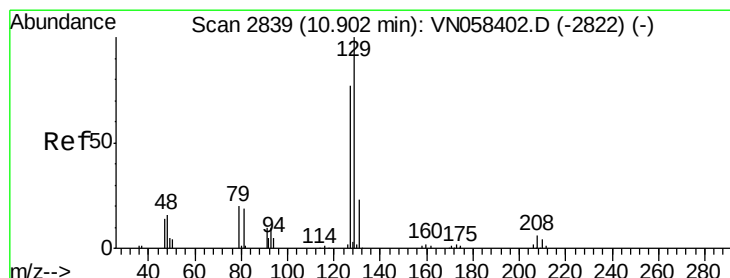
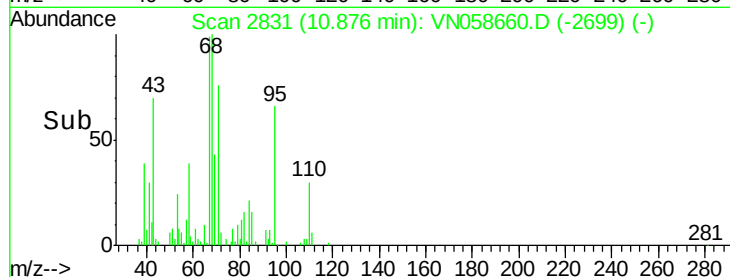
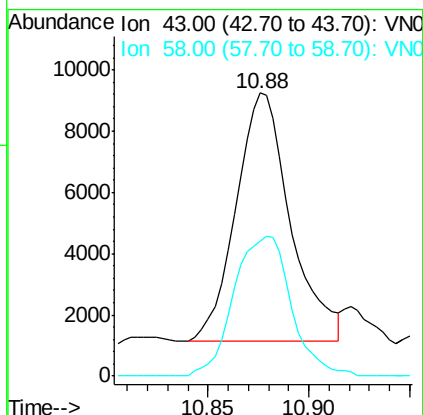
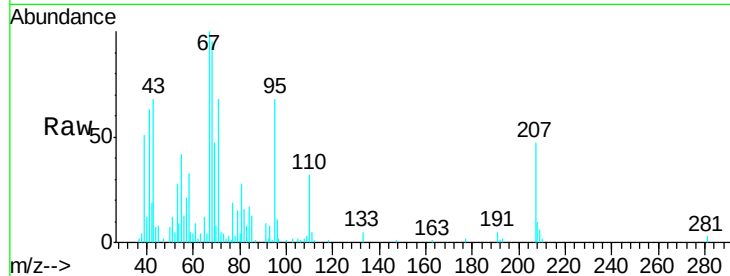




#59
2-Hexanone
Concen: 3.351 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.13 min
Lab File: VN058660.D
Acq: 9 Oct 2019 22:50

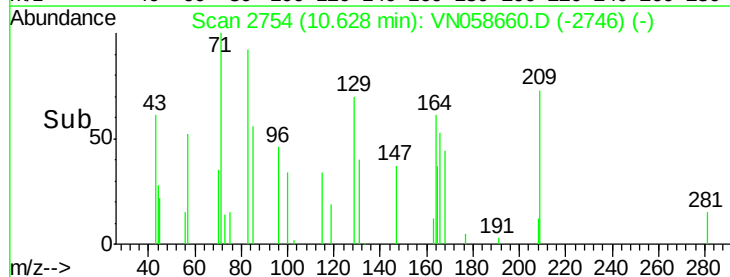
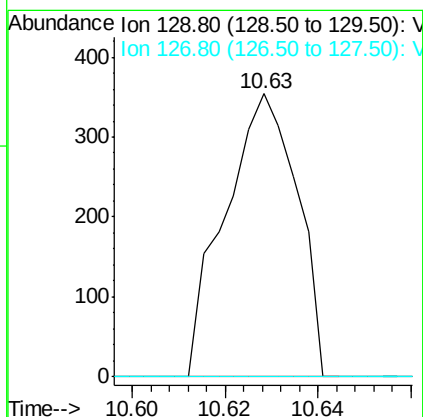
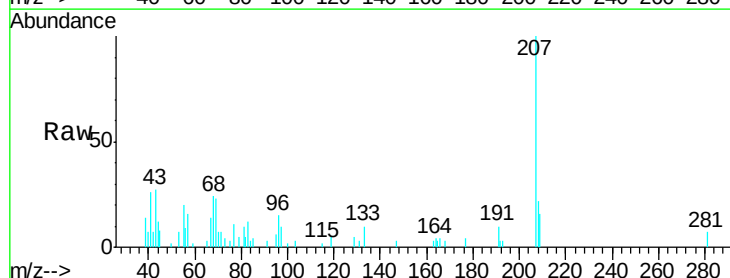
Instrument :
MSVOA_N
ClientSampled :
MW-4

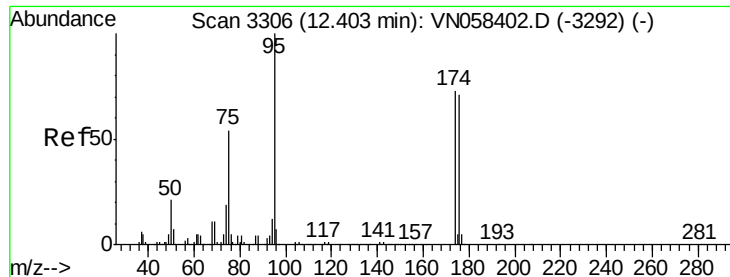
Tgt Ion: 43 Resp: 15320
Ion Ratio Lower Upper
43 100
58 59.4 25.8 77.3



#60
Dibromochloromethane
Concen: Below Cal
RT: 10.63 min Scan# 2754
Delta R.T. -0.27 min
Lab File: VN058660.D
Acq: 9 Oct 2019 22:50

Tgt Ion: 129 Resp: 380
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.8#

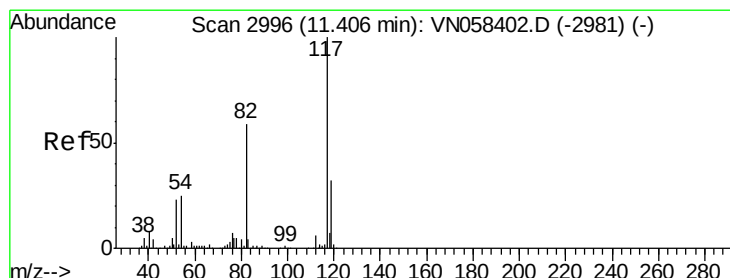
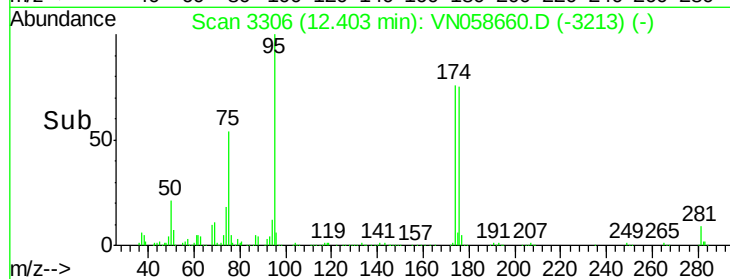
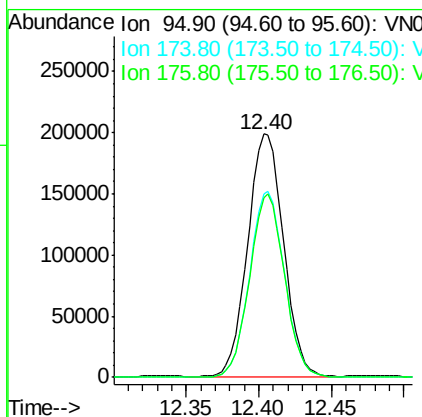
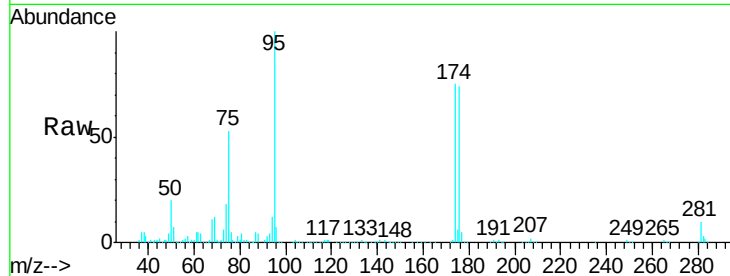




#62
4-Bromofluorobenzene
Concen: 48.963 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058660.D
Acq: 9 Oct 2019 22:50

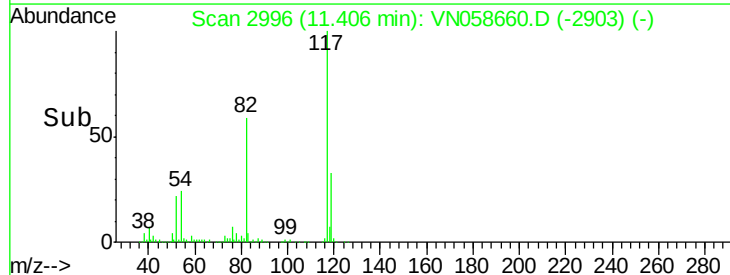
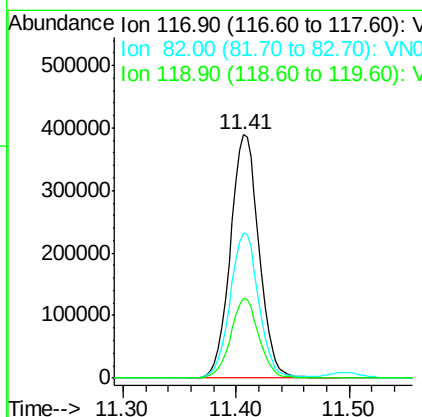
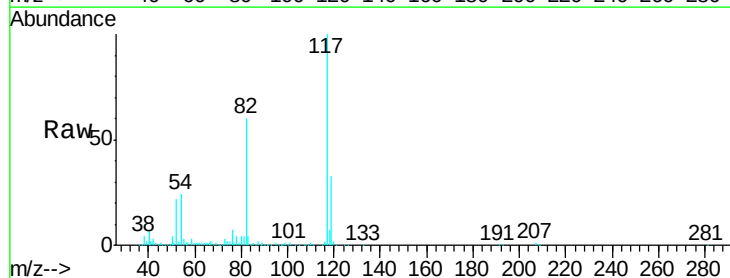
Instrument :
MSVOA_N
ClientSampled :
MW-4

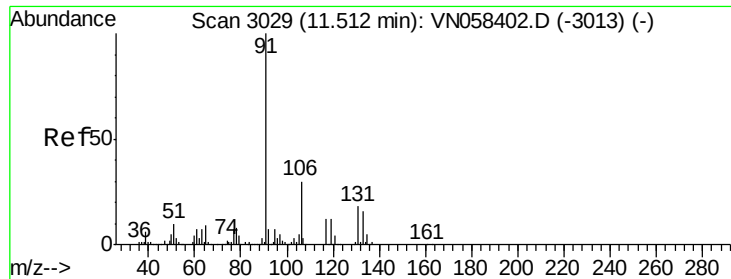
Tgt Ion: 95 Resp: 340857
Ion Ratio Lower Upper
95 100
174 75.2 0.0 150.6
176 73.9 0.0 146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058660.D
Acq: 9 Oct 2019 22:50

Tgt Ion: 117 Resp: 683431
Ion Ratio Lower Upper
117 100
82 59.6 47.4 71.0
119 32.5 25.5 38.3

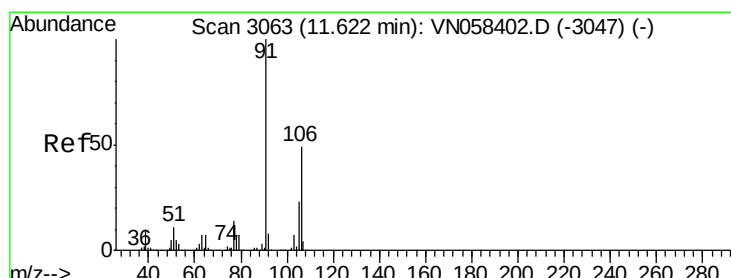
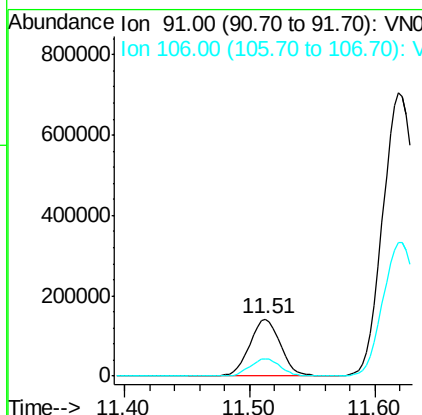
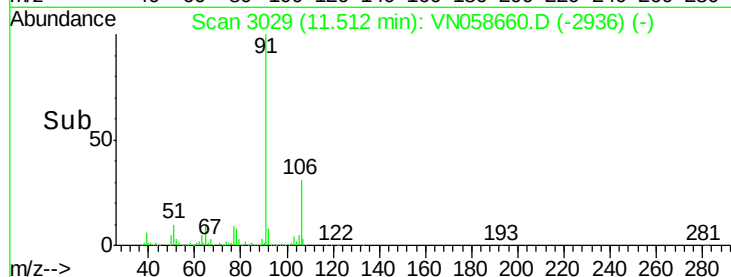
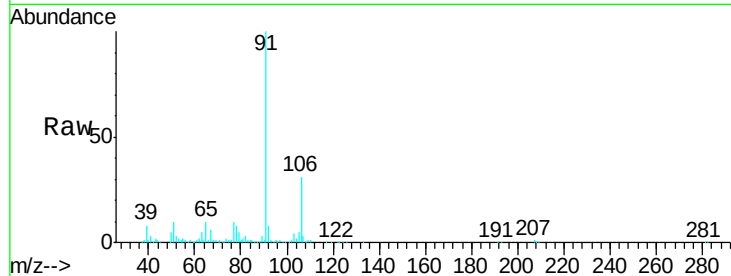




#67
Ethyl Benzene
Concen: 9.774 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN058660.D
Acq: 9 Oct 2019 22:50

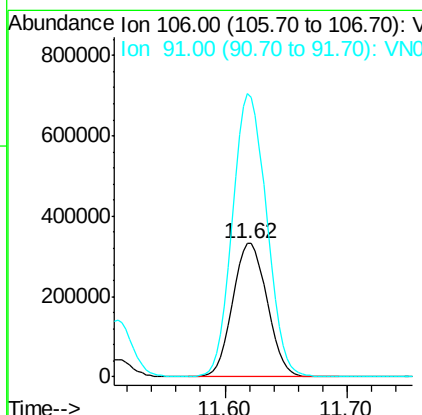
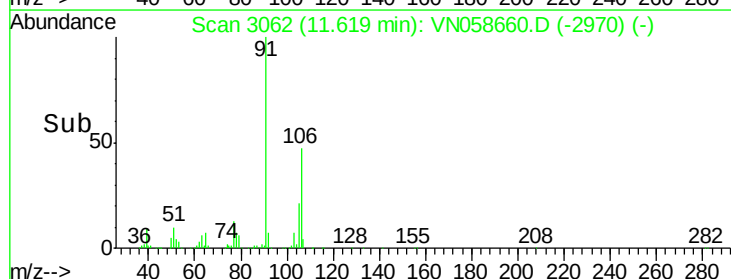
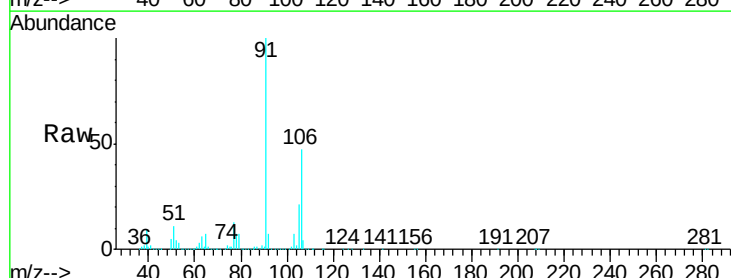
Instrument :
MSVOA_N
ClientSampled :
MW-4

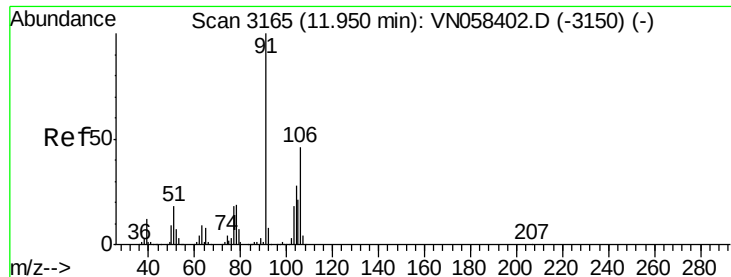
Tgt Ion: 91 Resp: 240513
Ion Ratio Lower Upper
91 100
106 31.1 24.3 36.5



#68
m/p-Xylenes
Concen: 70.331 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN058660.D
Acq: 9 Oct 2019 22:50

Tgt Ion: 106 Resp: 651118
Ion Ratio Lower Upper
106 100
91 210.1 165.0 247.4

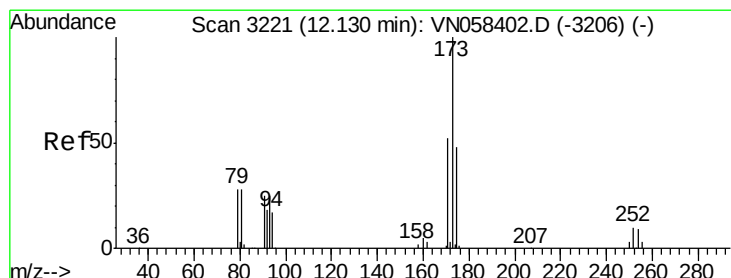
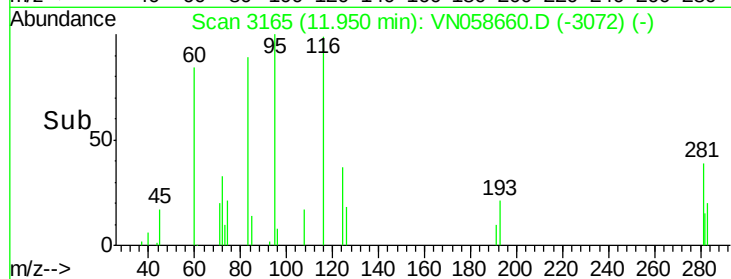
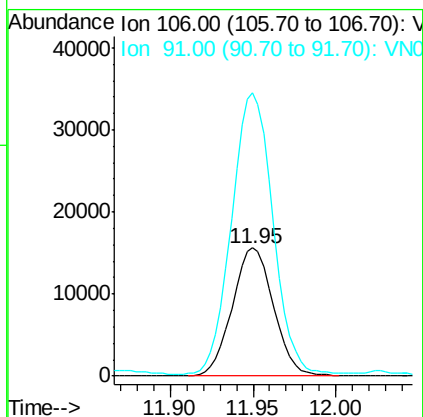
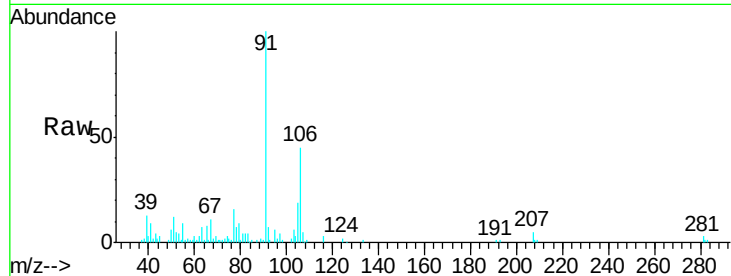




#69
o-Xylene
Concen: 3.024 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058660.D
Acq: 9 Oct 2019 22:50

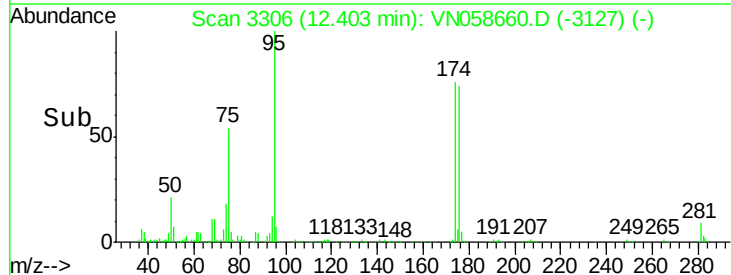
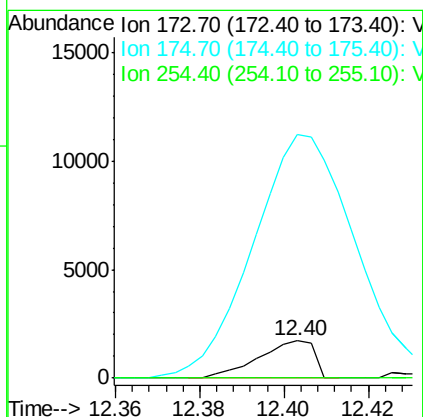
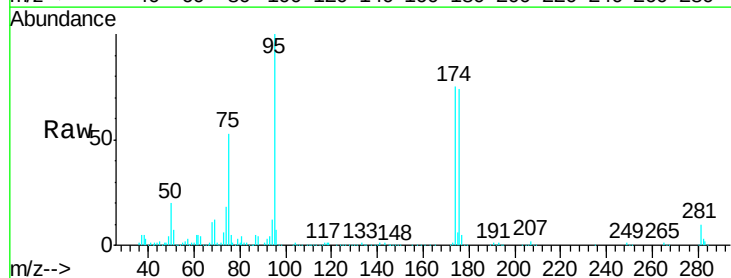
Instrument :
MSVOA_N
ClientSampleId :
MW-4

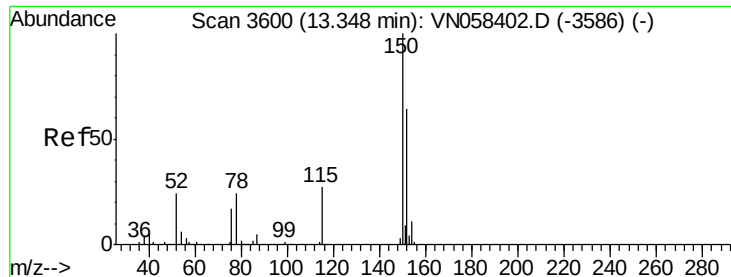
Tgt Ion:106 Resp: 26954
Ion Ratio Lower Upper
106 100
91 219.8 109.1 327.4



#71
Bromoform
Concen: 1.184 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.27 min
Lab File: VN058660.D
Acq: 9 Oct 2019 22:50

Tgt Ion:173 Resp: 1570
Ion Ratio Lower Upper
173 100
175 1046.7 24.3 73.0#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058660.D

Acq: 9 Oct 2019 22:50

Instrument :

MSVOA_N

ClientSampled :

MW-4

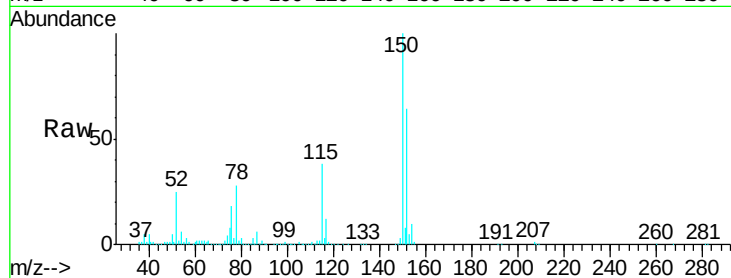
Tgt Ion:152 Resp: 290458

Ion Ratio Lower Upper

152 100

115 62.2 30.0 90.0

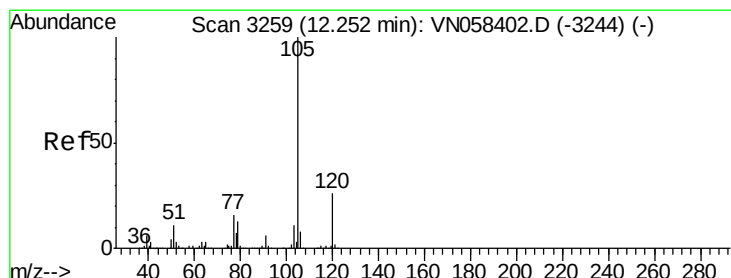
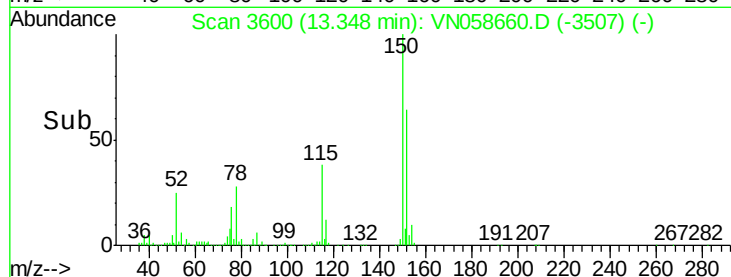
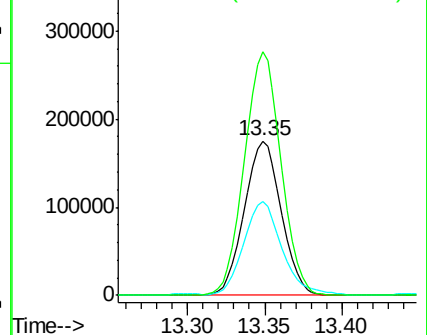
150 156.7 0.0 348.2



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



#73

Isopropylbenzene

Concen: 141.123 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058660.D

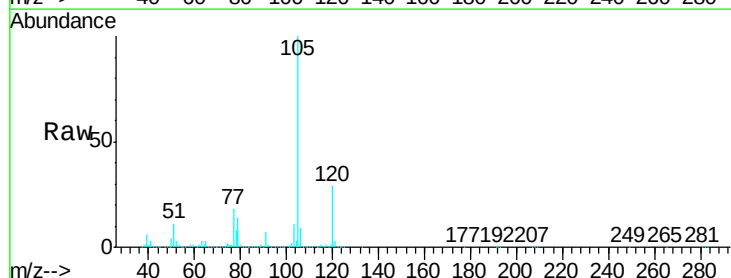
Acq: 9 Oct 2019 22:50

Tgt Ion:105 Resp: 3029289

Ion Ratio Lower Upper

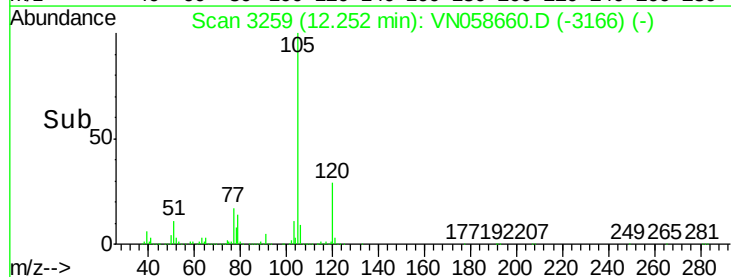
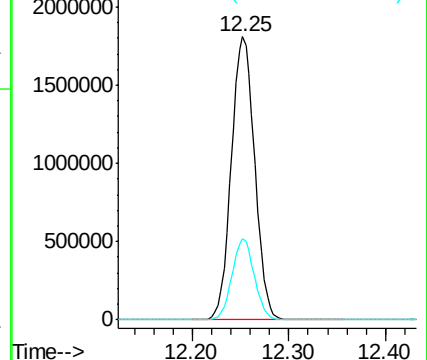
105 100

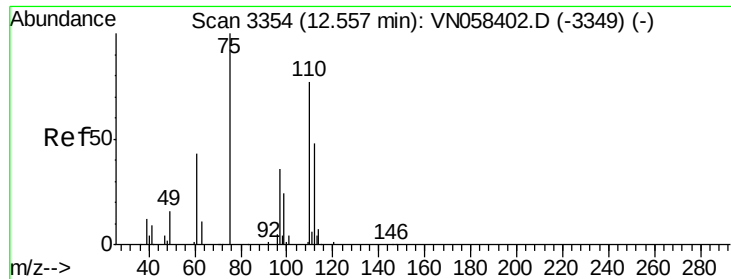
120 27.3 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 3.712 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.04 min

Lab File: VN058660.D

Acq: 9 Oct 2019 22:50

Instrument :

MSVOA_N

ClientSampled :

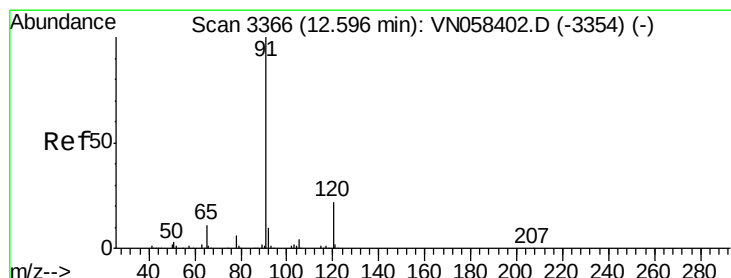
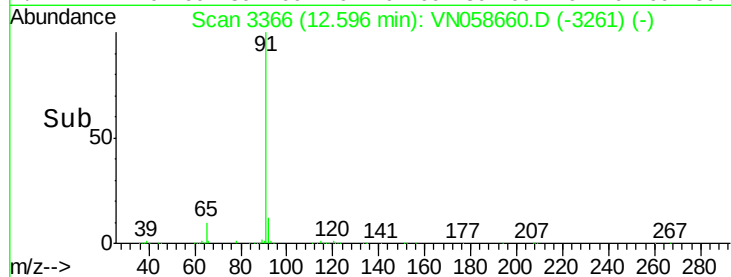
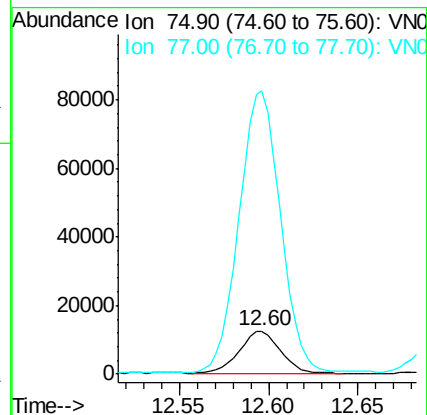
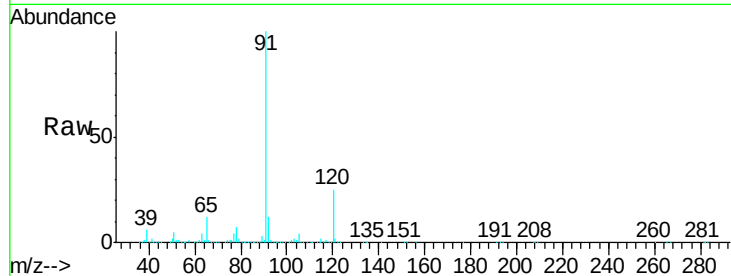
MW-4

Tgt Ion: 75 Resp: 19695

Ion Ratio Lower Upper

75 100

77 676.3 0.0 0.0#



#78

n-propylbenzene

Concen: 129.530 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058660.D

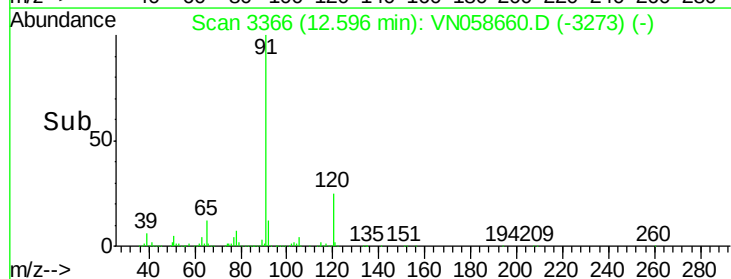
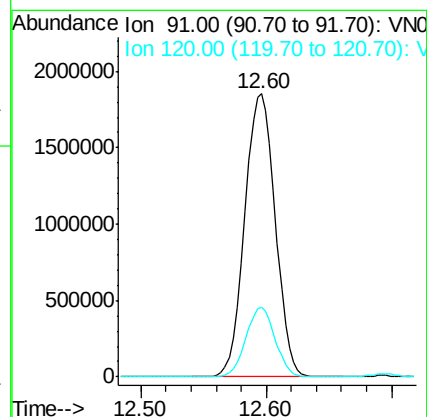
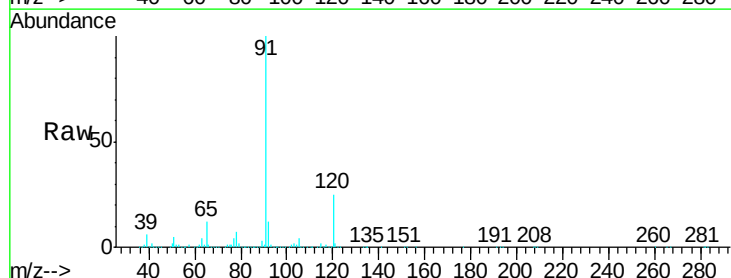
Acq: 9 Oct 2019 22:50

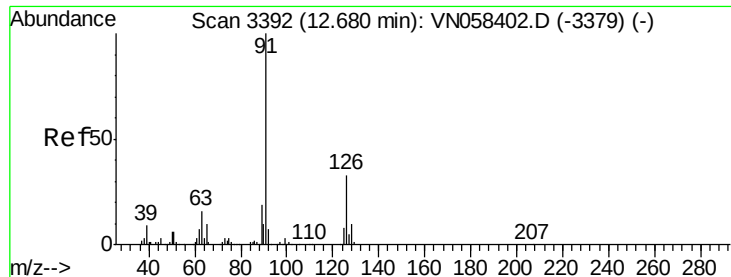
Tgt Ion: 91 Resp: 3132462

Ion Ratio Lower Upper

91 100

120 23.5 10.9 32.9





#79

2-Chlorotoluene

Concen: 209.856 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.08 min

Lab File: VN058660.D

Acq: 9 Oct 2019 22:50

Instrument :

MSVOA_N

ClientSampleId :

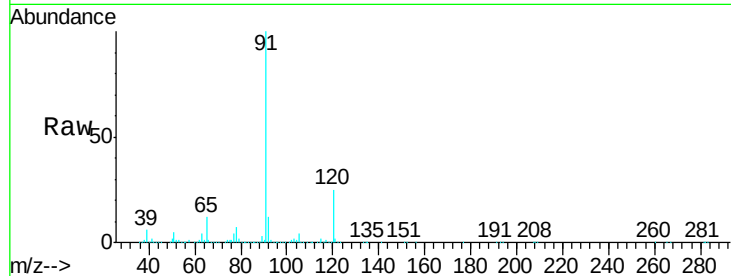
MW-4

Tgt Ion: 91 Resp: 3132462

Ion Ratio Lower Upper

91 100

126 0.0 16.2 48.6#



Abundance Ion 91.00 (90.70 to 91.70): VN058402.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058402.D (-3379) (-)

12.60

2000000

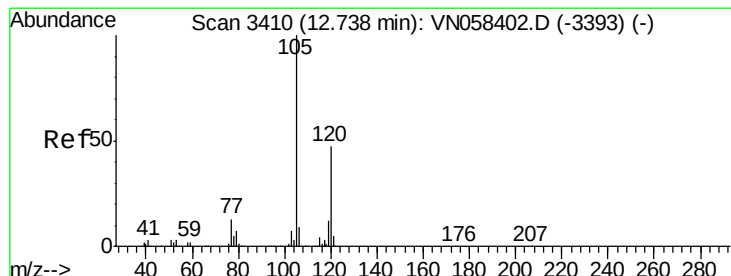
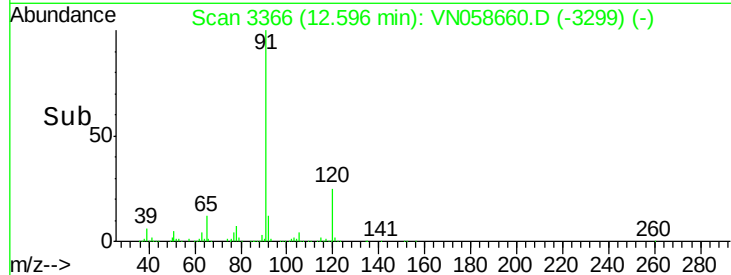
1500000

1000000

500000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 6.003 ug/l

RT: 12.69 min Scan# 3396

Delta R.T. -0.05 min

Lab File: VN058660.D

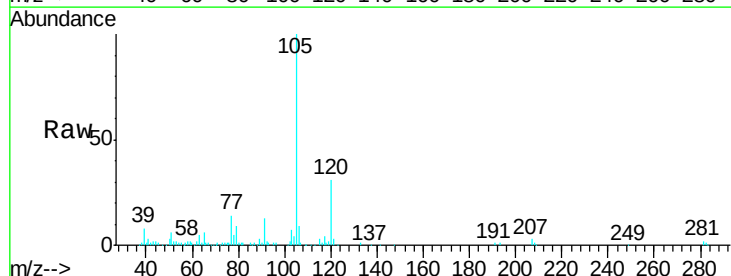
Acq: 9 Oct 2019 22:50

Tgt Ion: 105 Resp: 107866

Ion Ratio Lower Upper

105 100

120 27.5 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VN058402.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058402.D (-3393) (-)

500000

400000

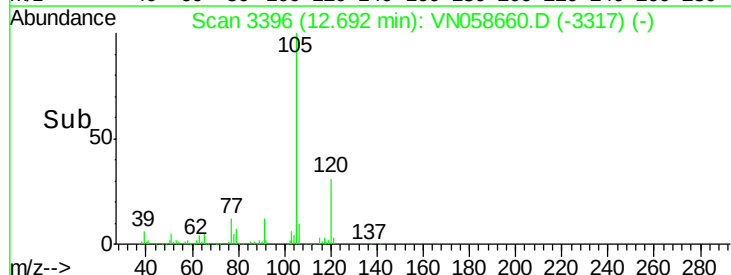
300000

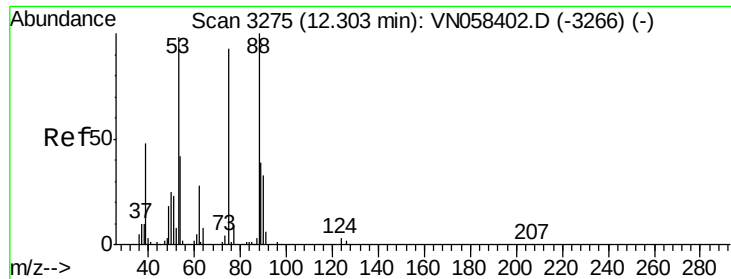
200000

100000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 22.094 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.05 min

Lab File: VN058660.D

Acq: 9 Oct 2019 22:50

Instrument :

MSVOA_N

ClientSampled :

MW-4

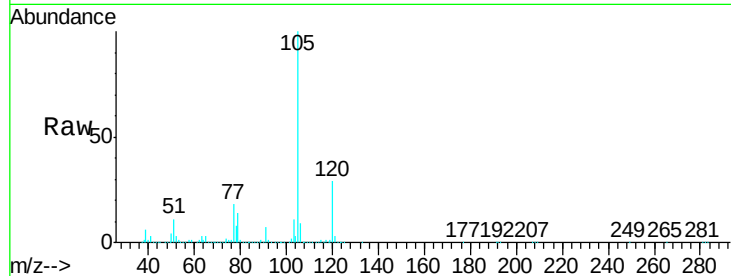
Tgt Ion: 75 Resp: 38593

Ion Ratio Lower Upper

75 100

53 105.3 85.4 128.0

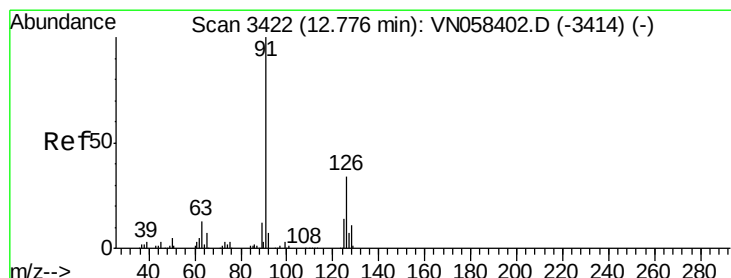
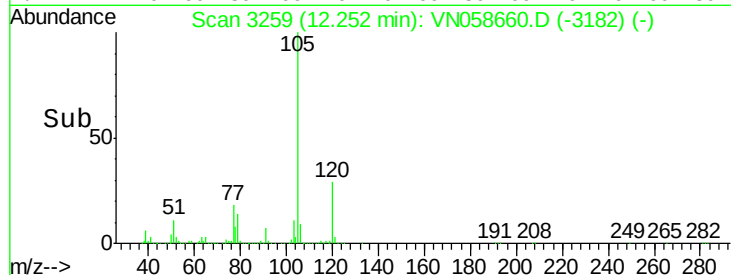
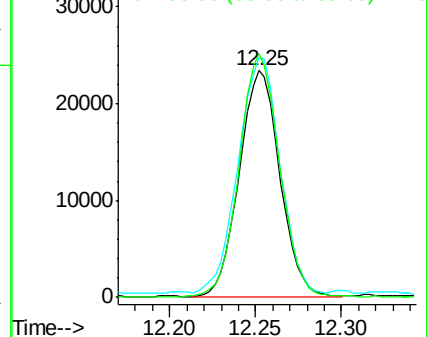
89 106.6 35.0 52.4#



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



#82

4-Chlorotoluene

Concen: 205.659 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.18 min

Lab File: VN058660.D

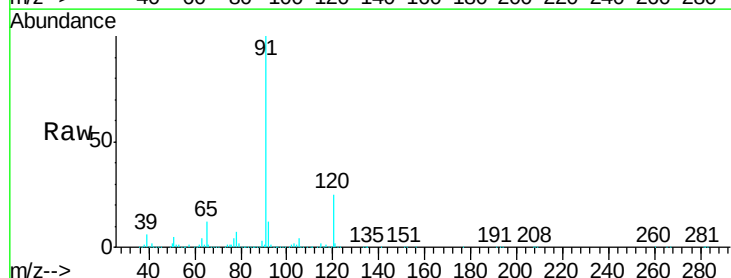
Acq: 9 Oct 2019 22:50

Tgt Ion: 91 Resp: 3132462

Ion Ratio Lower Upper

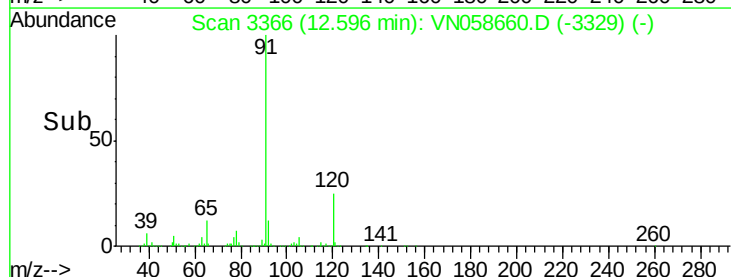
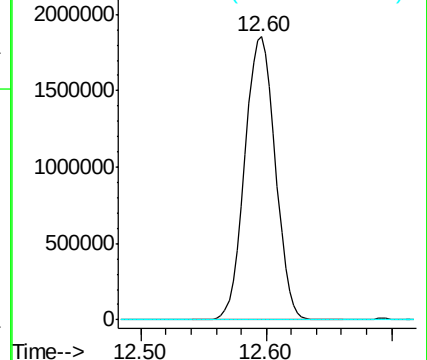
91 100

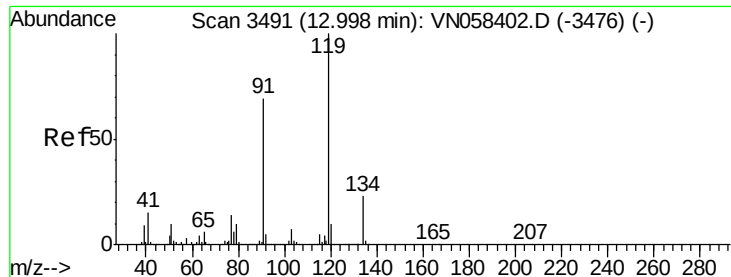
126 0.0 15.9 47.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

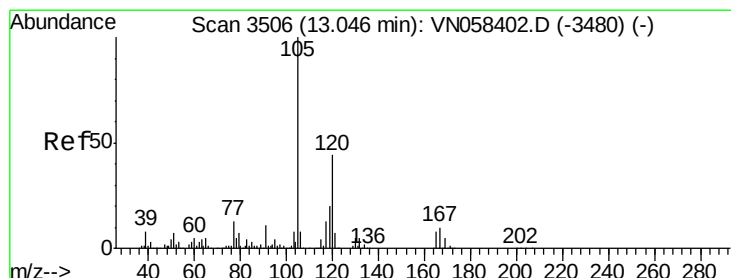
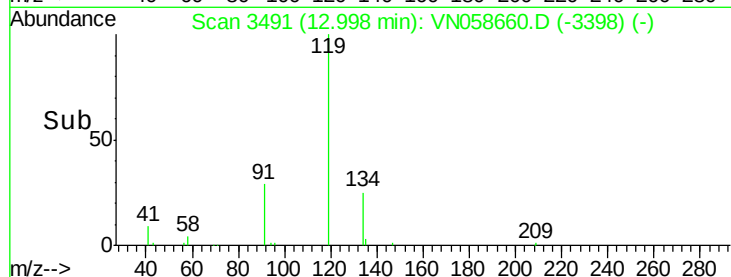
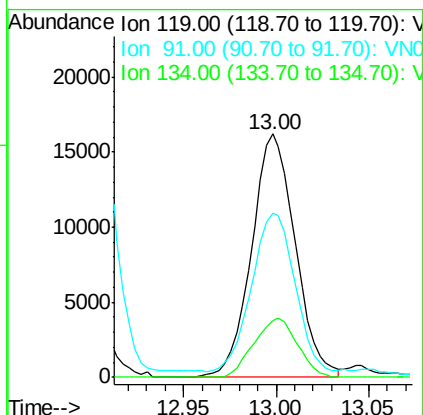
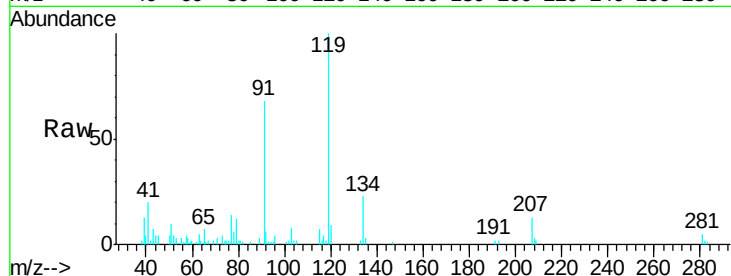




#83
 tert-Butylbenzene
 Concen: 1.758 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN058660.D
 Acq: 9 Oct 2019 22:50

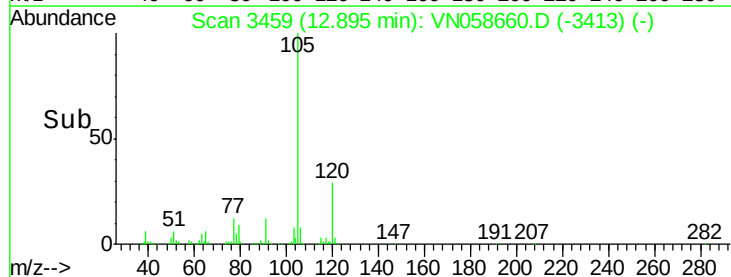
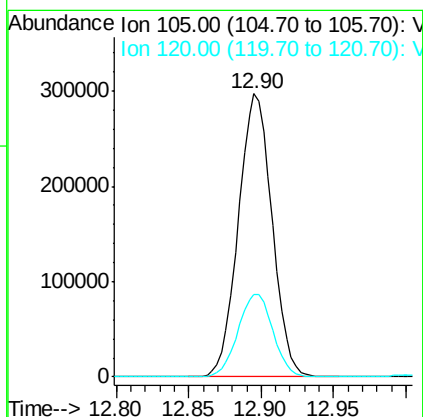
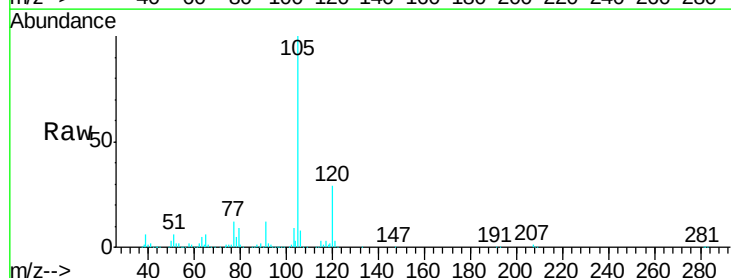
Instrument :
 MSVOA_N
 ClientSampled :
 MW-4

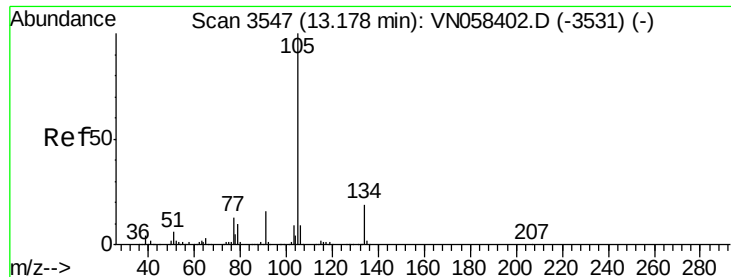
Tgt Ion:119 Resp: 26662
 Ion Ratio Lower Upper
 119 100
 91 64.0 34.2 102.6
 134 24.0 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 26.661 ug/l
 RT: 12.90 min Scan# 3459
 Delta R.T. -0.15 min
 Lab File: VN058660.D
 Acq: 9 Oct 2019 22:50

Tgt Ion:105 Resp: 479981
 Ion Ratio Lower Upper
 105 100
 120 30.3 21.7 65.1





#85

sec-Butylbenzene

Concen: 8.432 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058660.D

Acq: 9 Oct 2019 22:50

Instrument :

MSVOA_N

ClientSampleId :

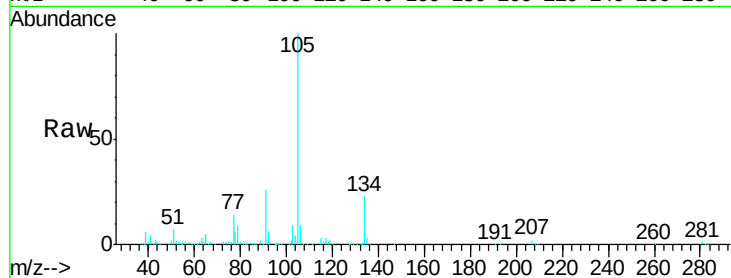
MW-4

Tgt Ion:105 Resp: 168277

Ion Ratio Lower Upper

105 100

134 35.1 9.4 28.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

120000

100000

80000

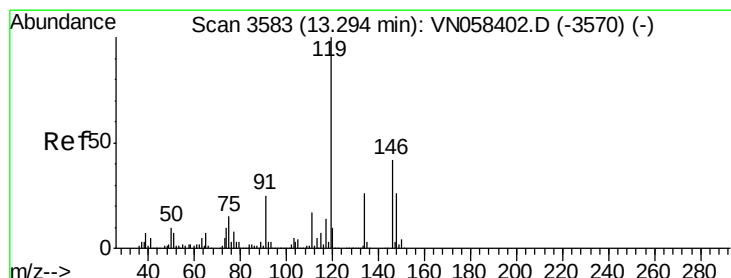
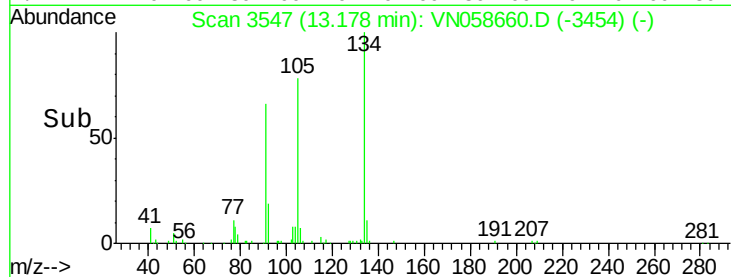
60000

40000

20000

0

Time--> 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 1.483 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058660.D

Acq: 9 Oct 2019 22:50

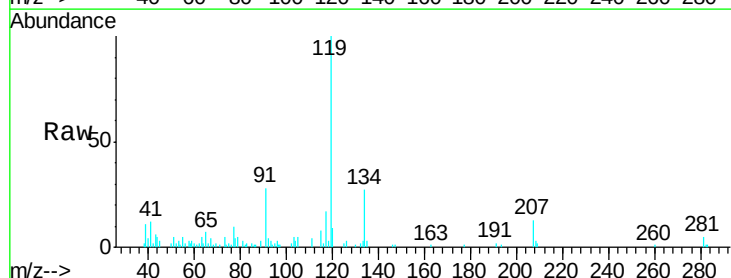
Tgt Ion:119 Resp: 26060

Ion Ratio Lower Upper

119 100

134 27.0 13.0 39.0

91 0.0 12.4 37.0#



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

20000

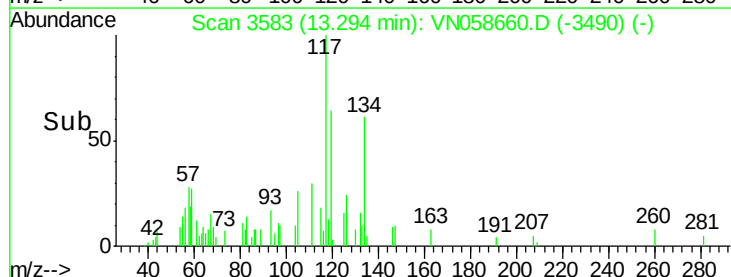
15000

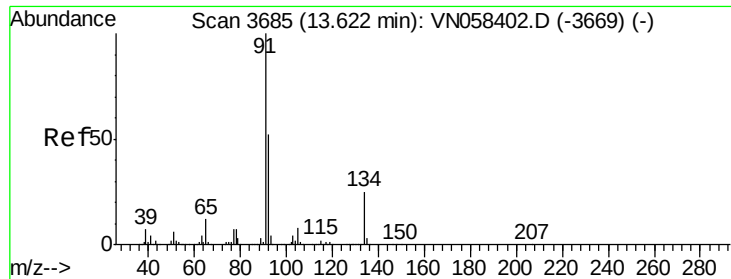
10000

5000

0

Time--> 13.25 13.30 13.35





#89

n-Butylbenzene

Concen: 12.881 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058660.D

Acq: 9 Oct 2019 22:50

Instrument :

MSVOA_N

ClientSampleId :

MW-4

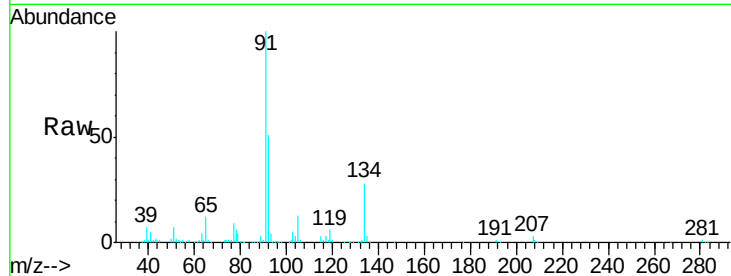
Tgt Ion: 91 Resp: 204973

Ion Ratio Lower Upper

91 100

92 44.2 25.7 77.1

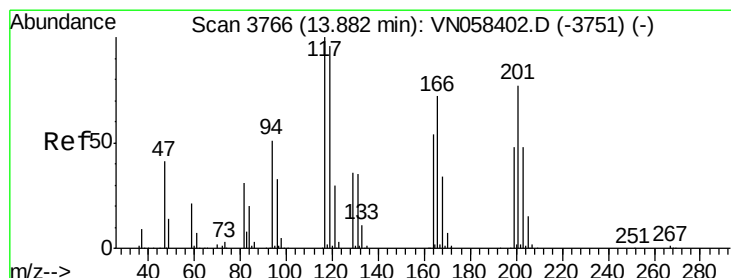
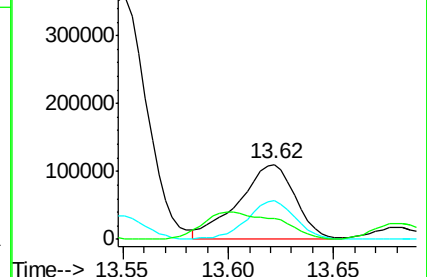
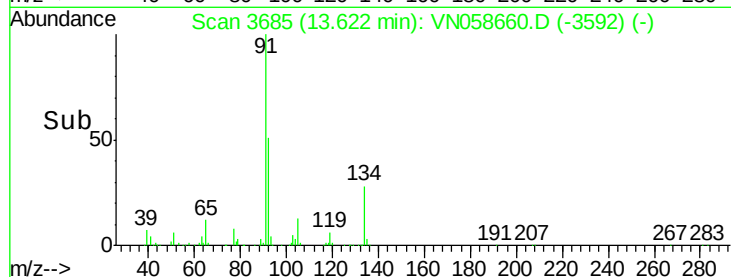
134 0.0 12.2 36.6#



Abundance Ion 91.00 (90.70 to 91.70): VN058402.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN058402.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN058402.D (-3669) (-)



#90

Hexachloroethane

Concen: 52.286 ug/l

RT: 13.90 min Scan# 3770

Delta R.T. 0.01 min

Lab File: VN058660.D

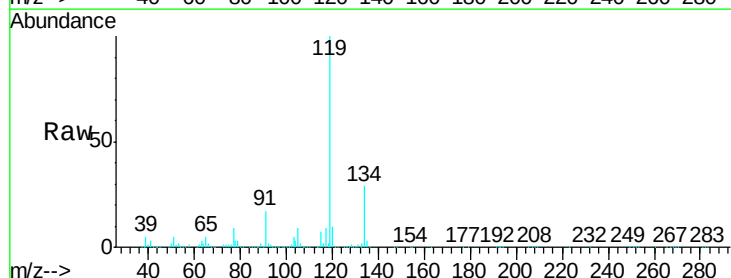
Acq: 9 Oct 2019 22:50

Tgt Ion: 117 Resp: 138001

Ion Ratio Lower Upper

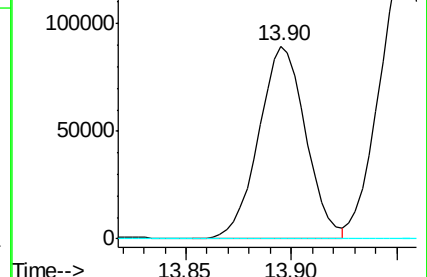
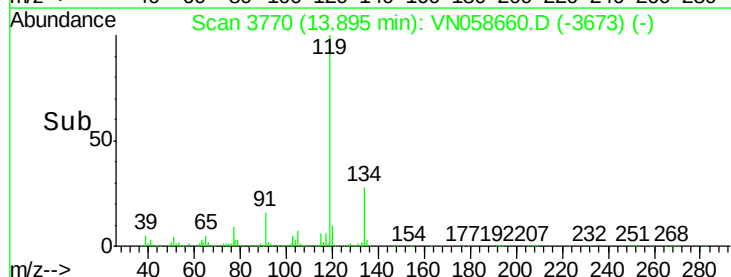
117 100

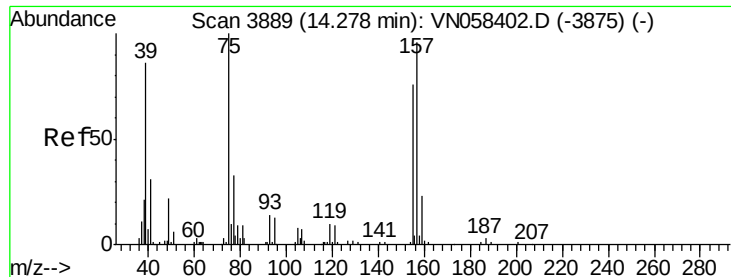
201 0.0 38.6 116.0#



Abundance Ion 116.80 (116.50 to 117.50): VN058402.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN058402.D (-3751) (-)





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.515 ug/l

RT: 14.30 min Scan# 3897

Delta R.T. 0.03 min

Lab File: VN058660.D

Acq: 9 Oct 2019 22:50

Instrument :

MSVOA_N

ClientSampleId :

MW-4

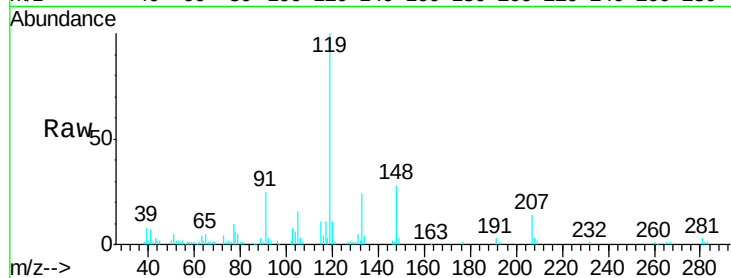
Tgt Ion: 75 Resp: 577

Ion Ratio Lower Upper

75 100

155 0.0 39.2 117.6#

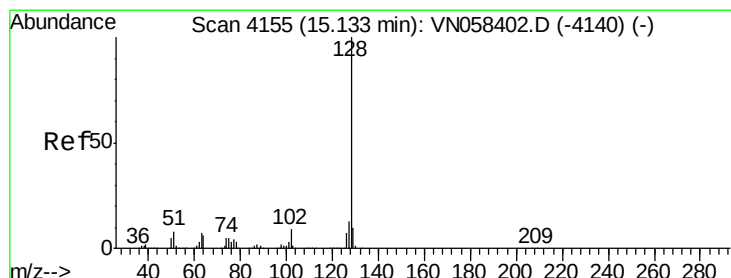
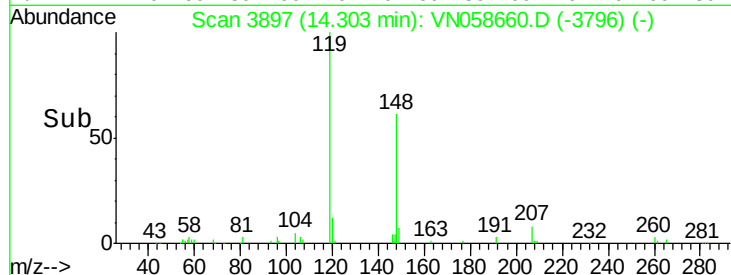
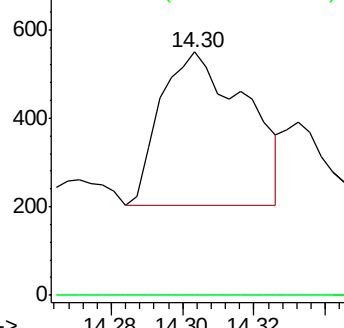
157 0.0 48.7 146.1#



Abundance Ion 74.90 (74.60 to 75.60): VN058402.D (-3875) (-)

Ion 154.80 (154.50 to 155.50): VN058402.D (-3875) (-)

Ion 156.80 (156.50 to 157.50): VN058402.D (-3875) (-)



#95

Naphthalene

Concen: 3.545 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058660.D

Acq: 9 Oct 2019 22:50

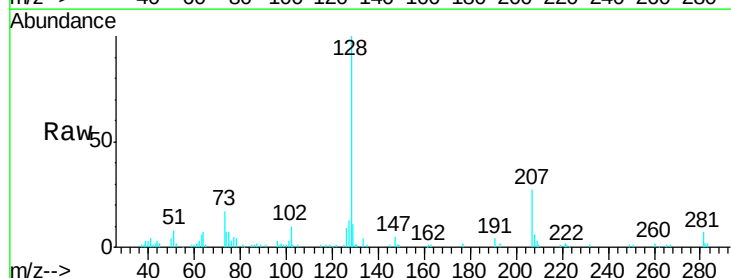
Tgt Ion: 128 Resp: 50691

Ion Ratio Lower Upper

128 100

127 14.8 10.2 15.4

129 10.9 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): VN058402.D (-4140) (-)

Ion 127.00 (126.70 to 127.70): VN058402.D (-4140) (-)

Ion 129.00 (128.70 to 129.70): VN058402.D (-4140) (-)

