

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092519\
 Data File : VN058359.D
 Acq On : 25 Sep 2019 12:14
 Operator : JC/SP
 Sample : K5008-14DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TWP-9DL

Quant Time: Sep 26 01:08:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	477285	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	795863	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	692883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	305257	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	360211	54.19	ug/l	0.00
Spiked Amount			Recovery	=	108.38%	
35) Dibromofluoromethane	7.58	113	251425	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
50) Toluene-d8	10.08	98	1051948	55.80	ug/l	0.00
Spiked Amount			Recovery	=	111.60%	
62) 4-Bromofluorobenzene	12.41	95	353932	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	627	Below Cal	#	43
4) Vinyl Chloride	2.42	62	101	Below Cal	#	1
5) Bromomethane	2.55	94	29	0.739	ug/l #	69
6) Chloroethane	2.68	64	96	Below Cal	#	44
11) Tert butyl alcohol	4.74	59	633	0.801	ug/l #	71
14) Allyl chloride	4.51	41	1665	0.264	ug/l #	22
16) Acetone	3.81	43	9380	4.157	ug/l	98
17) Carbon Disulfide	4.02	76	517	0.396	ug/l #	74
18) Methyl Acetate	4.32	43	1630	0.275	ug/l #	57
20) Methylene Chloride	4.54	84	4441	0.906	ug/l #	83
25) 2-Butanone	6.81	43	1095	0.356	ug/l #	51
31) Cyclohexane	7.64	56	40950	5.239	ug/l #	65
36) 1,1-Dichloropropene	7.65	75	41511	7.233	ug/l #	52
38) Carbon Tetrachloride	7.65	117	49893	8.648	ug/l #	15
39) Methylcyclohexane	9.07	83	381791	68.774	ug/l	99
41) Methacrylonitrile	7.14	41	64	0.932	ug/l #	100
43) Isopropyl Acetate	8.13	43	15072	1.355	ug/l #	57
45) 1,2-Dichloropropane	9.07	63	4939	0.943	ug/l #	1
47) Bromodichloromethane	9.36	83	4088	0.613	ug/l #	40
48) Methyl methacrylate	9.26	41	37925	7.509	ug/l #	60
51) 4-Methyl-2-Pentanone	10.08	43	21148	3.579	ug/l	91
52) Toluene	10.15	92	3382	0.308	ug/l	79
55) 1,1,2-Trichloroethane	10.53	97	65346	13.403	ug/l #	18
56) Ethyl methacrylate	10.43	69	40695	5.785	ug/l #	40
59) 2-Hexanone	10.72	43	35630	8.120	ug/l #	30
67) Ethyl Benzene	11.51	91	6447	0.309	ug/l	90
71) Bromoform	12.40	173	954	3.865	ug/l #	1
73) Isopropylbenzene	12.25	105	484107	25.336	ug/l	100
74) N-amyl acetate	12.05	43	30941	3.871	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	12.47	83	3156	0.493	ug/l #	26
76) 1,2,3-Trichloropropane	12.41	75	193057	35.338	ug/l #	100
78) n-propylbenzene	12.60	91	689389	31.751	ug/l	99
79) 2-Chlorotoluene	12.60	91	689389	50.804	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.90	105	49253	3.048	ug/l	75

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QLast Update : Thu Sep 19 09:27:53 2019
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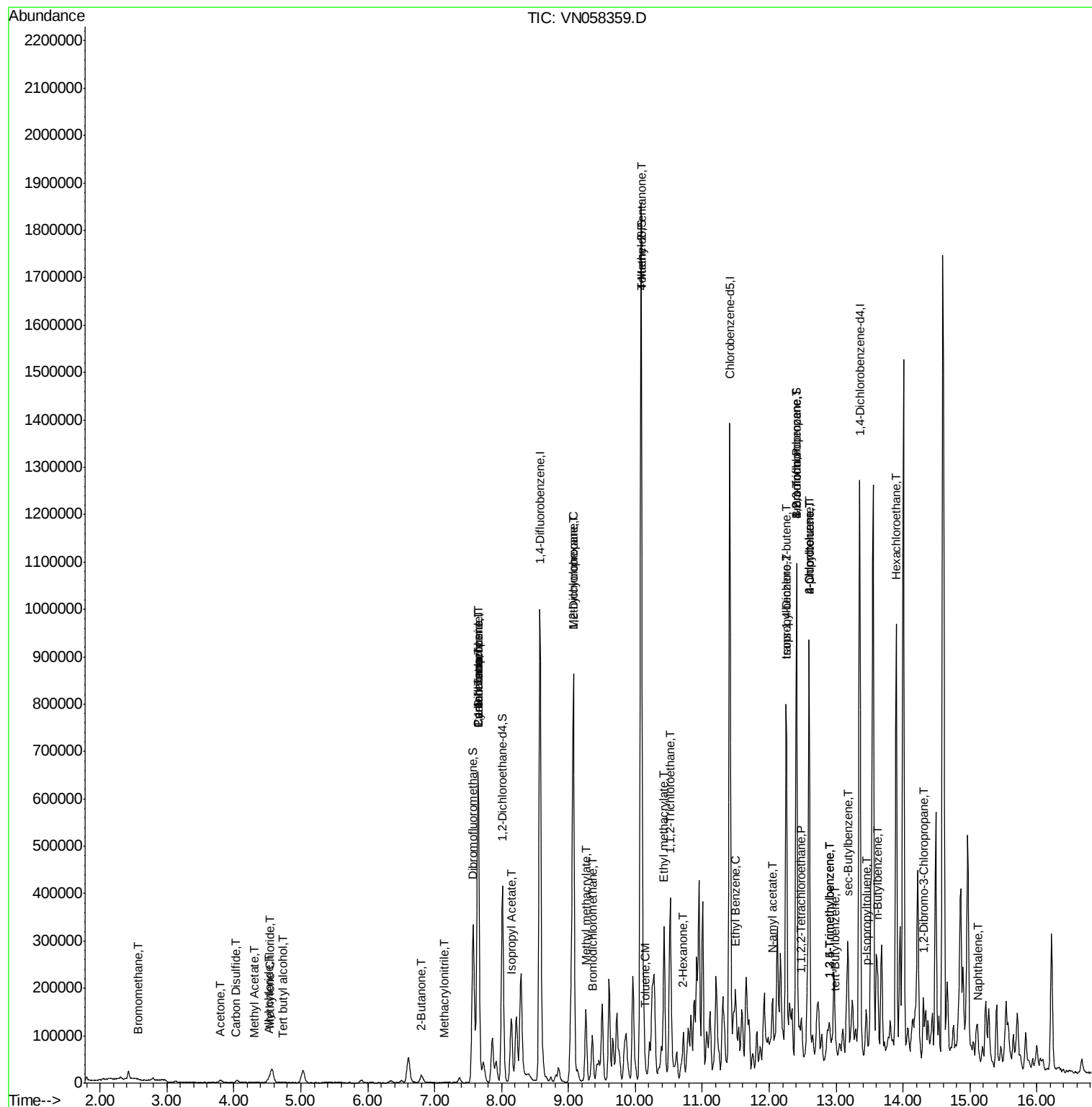
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	12.25	75	6112	8.725	ug/l #	65
82) 4-Chlorotoluene	12.60	91	689389	48.331	ug/l #	43
83) tert-Butylbenzene	13.00	119	12756	0.885	ug/l	84
84) 1,2,4-Trimethylbenzene	12.90	105	49253	3.063	ug/l	78
85) sec-Butylbenzene	13.18	105	142117	7.543	ug/l	82
86) p-Isopropyltoluene	13.45	119	56403	3.367	ug/l	97
89) n-Butylbenzene	13.62	91	108258	6.817	ug/l #	78
90) Hexachloroethane	13.90	117	47383	18.043	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.30	75	728	0.632	ug/l #	6
95) Naphthalene	15.14	128	5741	0.394	ug/l #	83

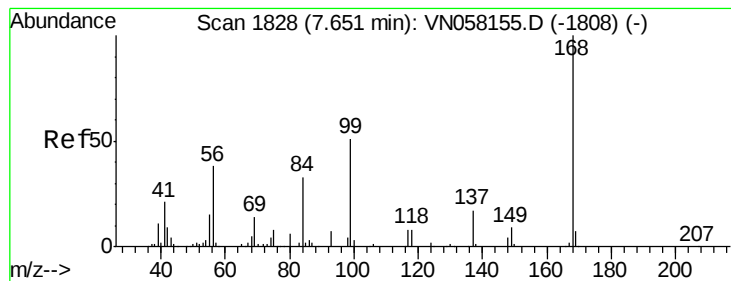
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

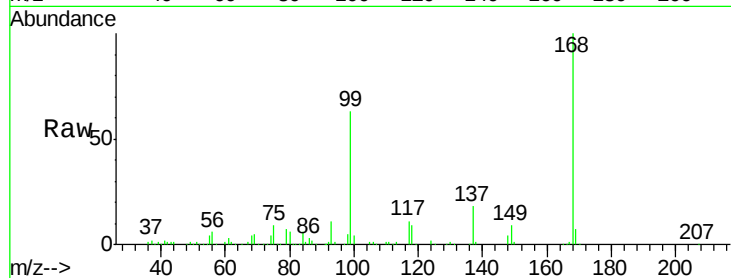
TWP-9DL

Tot Ion:168 Resp: 477285

Ion Ratio Lower Upper

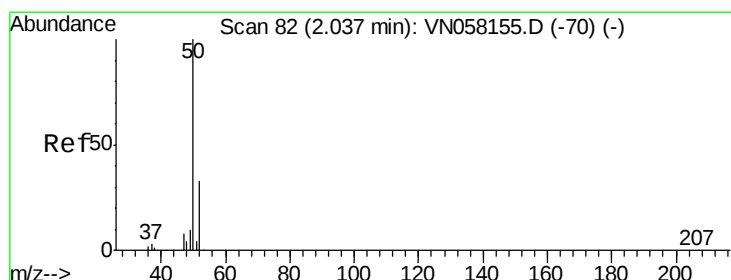
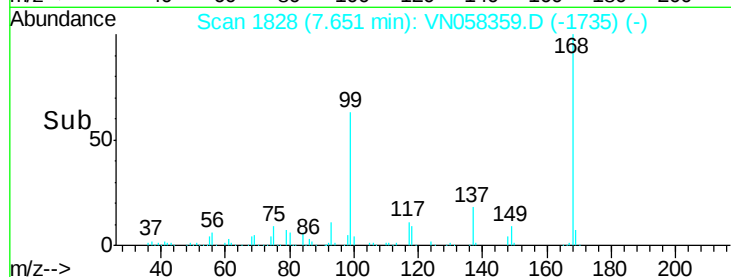
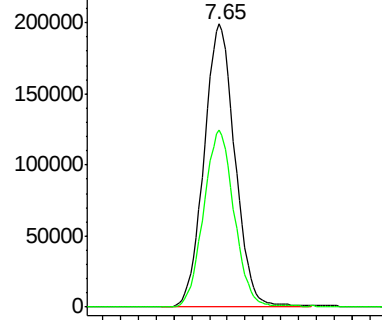
168 100

99 62.8 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058359.D

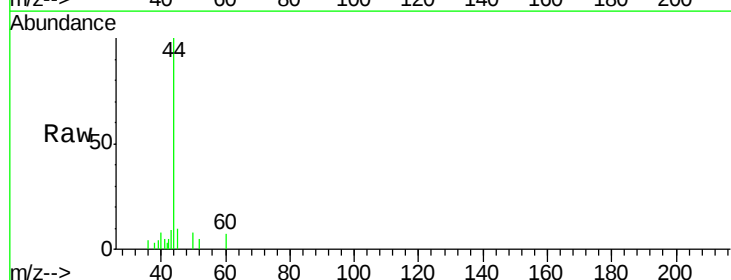
Acq: 25 Sep 2019 12:14

Tgt Ion: 50 Resp: 627

Ion Ratio Lower Upper

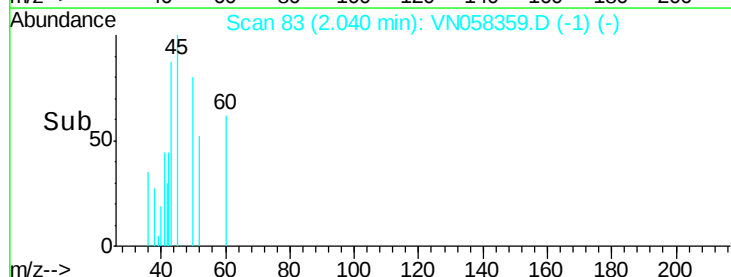
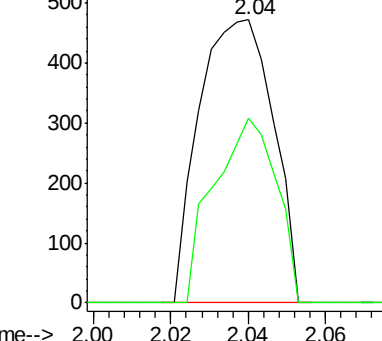
50 100

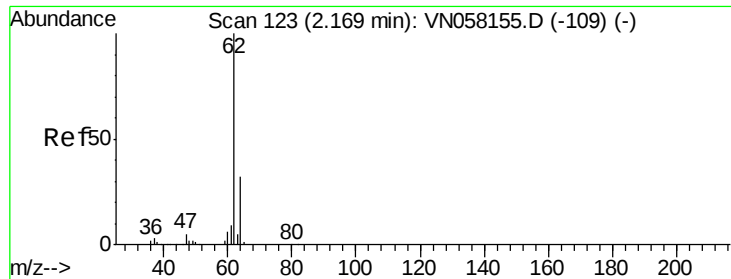
52 65.0 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#4

Vinyl Chloride

Concen: Below Cal

RT: 2.42 min Scan# 201

Delta R.T. 0.25 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

Instrument :

MSVOA_N

ClientSampled :

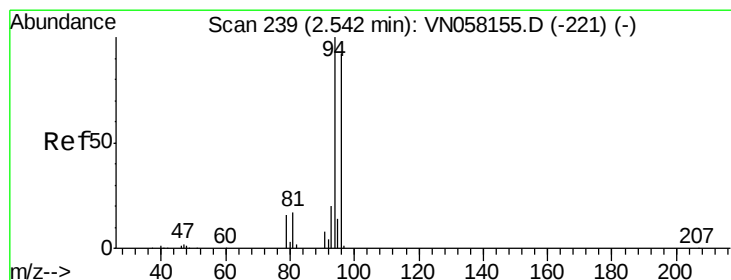
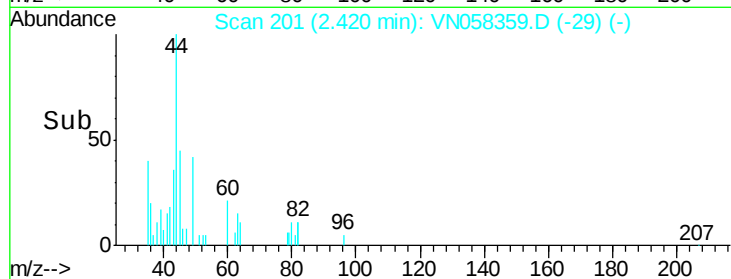
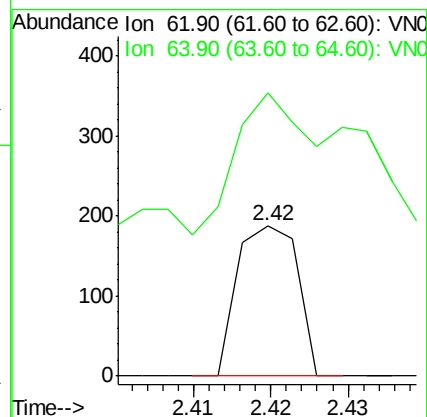
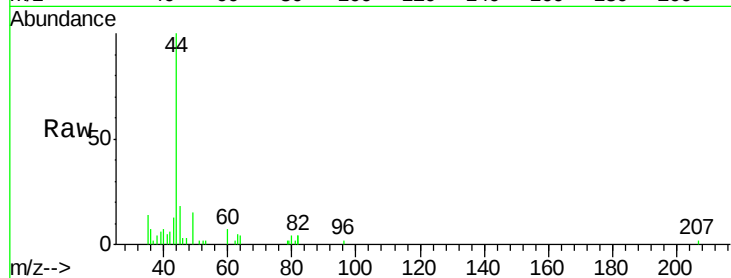
TWP-9DL

Tot Ion: 62 Resp: 101

Ion Ratio Lower Upper

62 100

64 94.1 25.4 38.2#



#5

Bromomethane

Concen: 0.739 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN058359.D

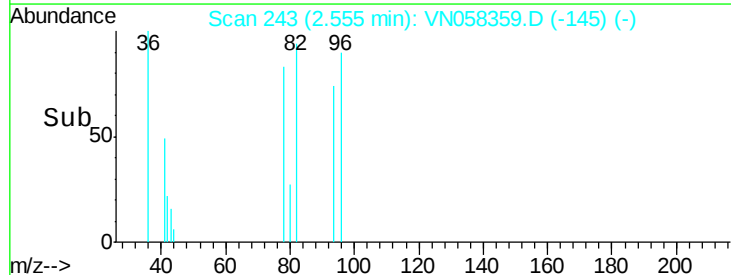
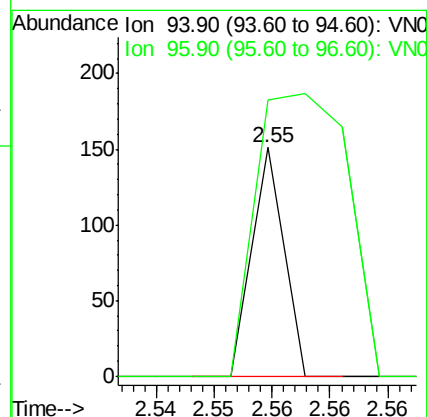
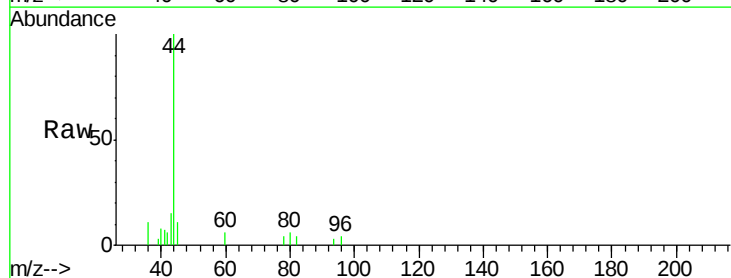
Acq: 25 Sep 2019 12:14

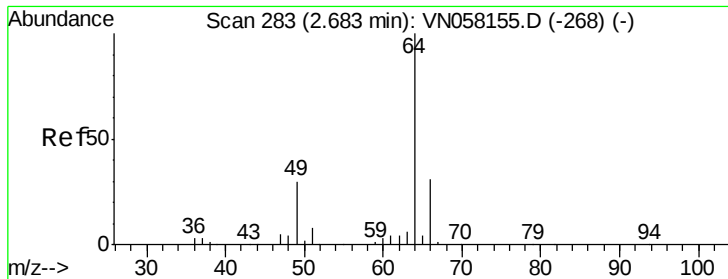
Tgt Ion: 94 Resp: 29

Ion Ratio Lower Upper

94 100

96 121.2 73.3 109.9#





#6

Chloroethane

Concen: Below Cal

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

Instrument :

MSVOA_N

ClientSampled :

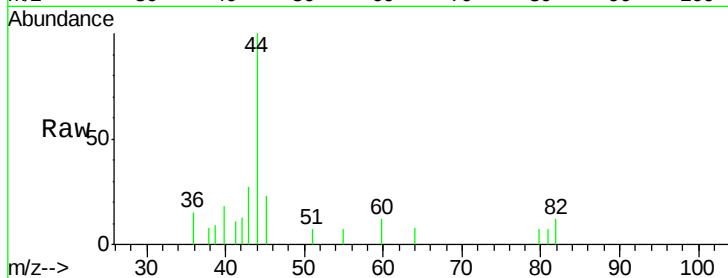
TWP-9DL

Tot Ion: 64 Resp: 96

Ion Ratio Lower Upper

64 100

66 0.0 24.6 37.0#



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC

2.68

150

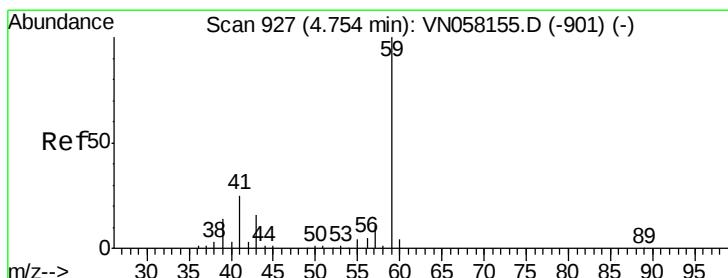
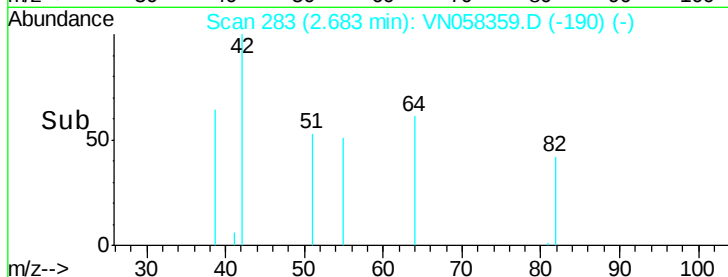
100

50

0

Time-->

2.67 2.68 2.69



#11

Tert butyl alcohol

Concen: 0.801 ug/l

RT: 4.74 min Scan# 923

Delta R.T. -0.01 min

Lab File: VN058359.D

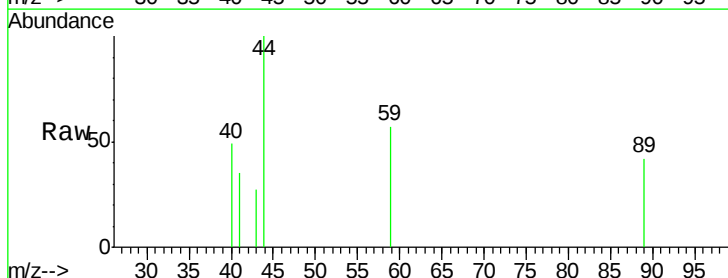
Acq: 25 Sep 2019 12:14

Tgt Ion: 59 Resp: 633

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VNC

Ion 57.00 (56.70 to 57.70): VNC

4.74

300

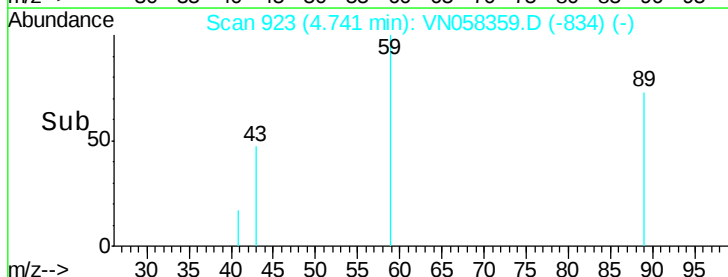
200

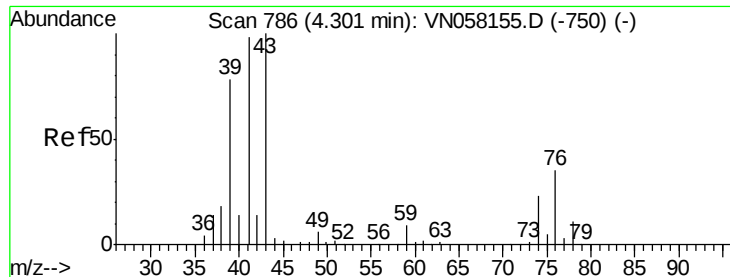
100

0

Time-->

4.72 4.74 4.76 4.78 4.80

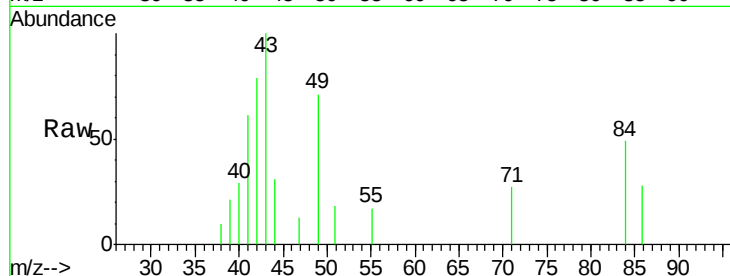




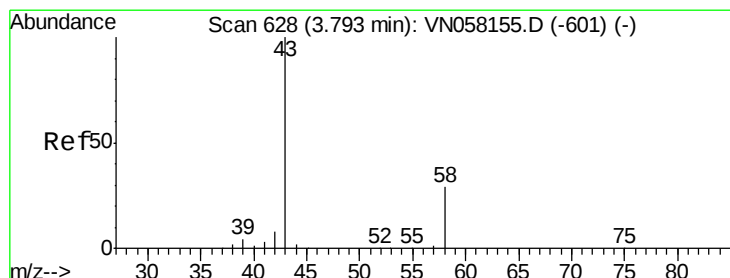
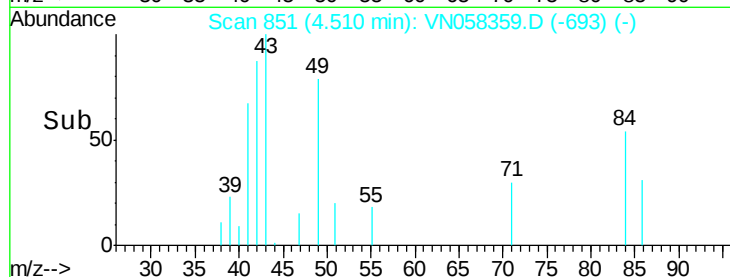
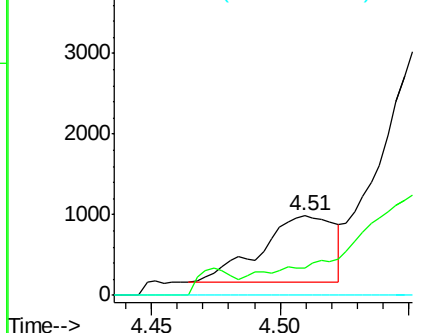
#14
Allvl chloride
Concen: 0.264 ug/l
RT: 4.51 min Scan# 851
Delta R.T. 0.21 min
Lab File: VN058359.D
Acq: 25 Sep 2019 12:14

Instrument :
MSVOA_N
ClientSampled :
TWP-9DL

Tot Ion: 41 Resp: 1665
Ion Ratio Lower Upper
41 100
39 0.0 59.1 88.7#
76 0.0 25.1 37.7#

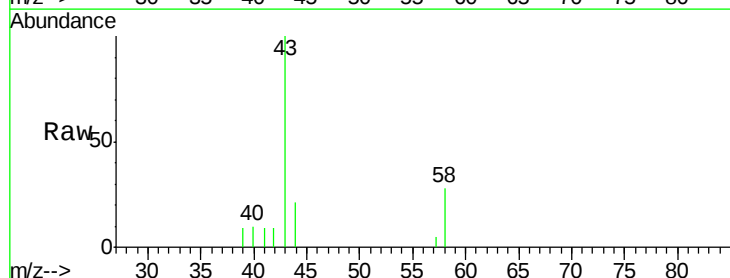


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 75.90 (75.60 to 76.60): VNC

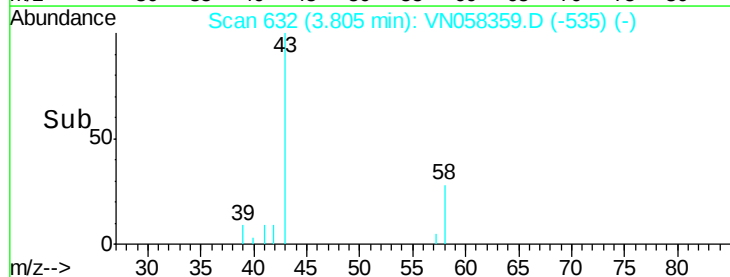
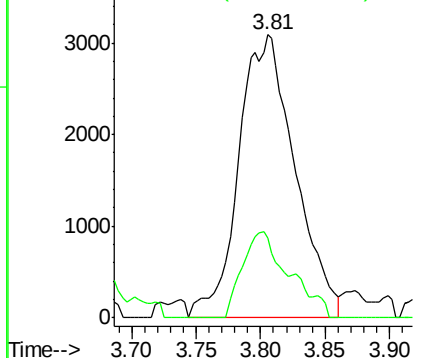


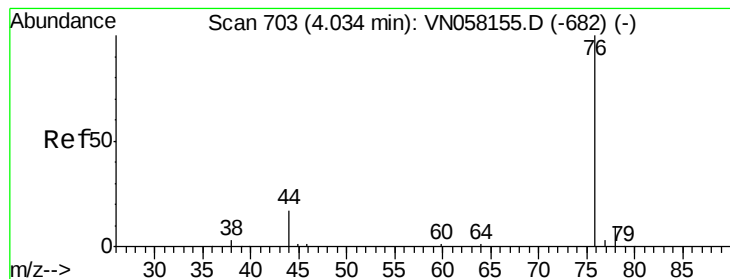
#16
Acetone
Concen: 4.157 ug/l
RT: 3.81 min Scan# 632
Delta R.T. 0.01 min
Lab File: VN058359.D
Acq: 25 Sep 2019 12:14

Tgt Ion: 43 Resp: 9380
Ion Ratio Lower Upper
43 100
58 28.0 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 58.00 (57.70 to 58.70): VNC





#17

Carbon Disulfide

Concen: 0.396 ug/l

RT: 4.02 min Scan# 699

Delta R.T. -0.01 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

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ClientSampleId :

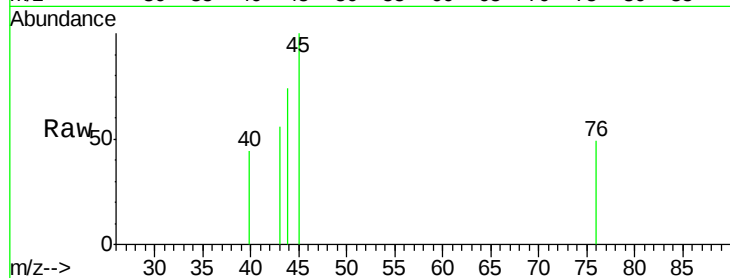
TWP-9DL

Tot Ion: 76 Resp: 517

Ion Ratio Lower Upper

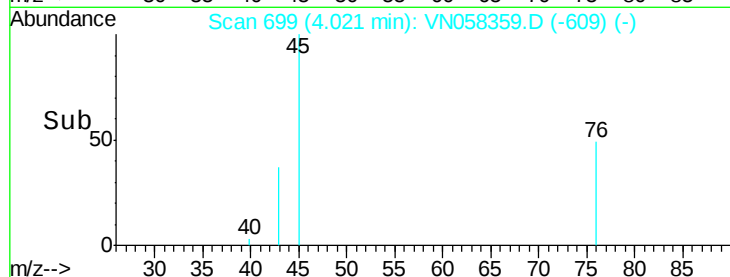
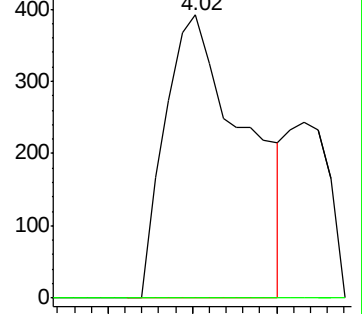
76 100

78 0.0 7.7 11.5#

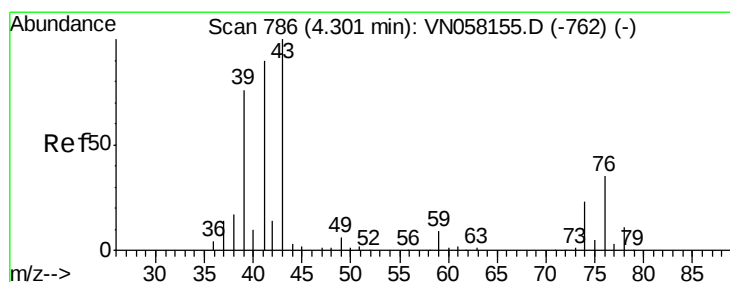


Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



Time-->



#18

Methyl Acetate

Concen: 0.275 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.02 min

Lab File: VN058359.D

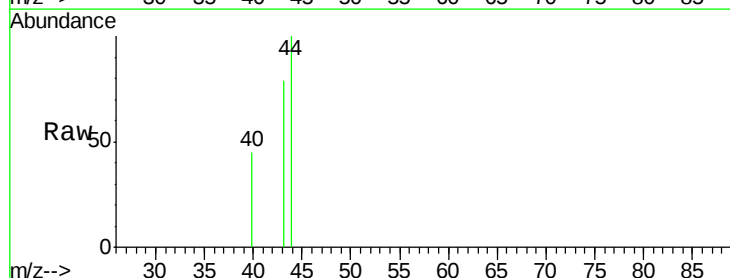
Acq: 25 Sep 2019 12:14

Tgt Ion: 43 Resp: 1630

Ion Ratio Lower Upper

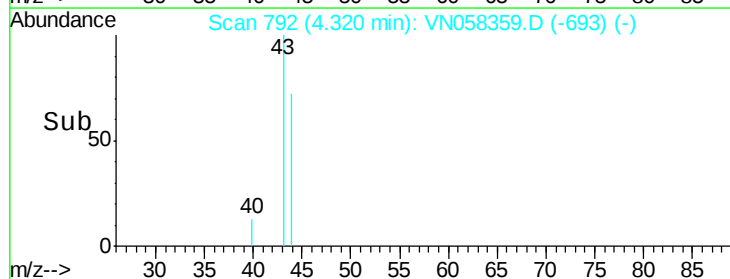
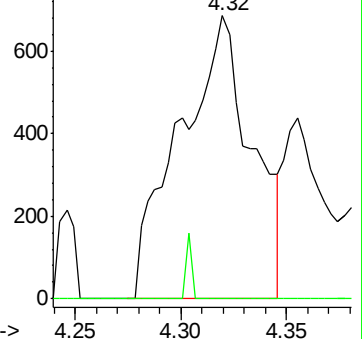
43 100

74 1.9 18.0 27.0#

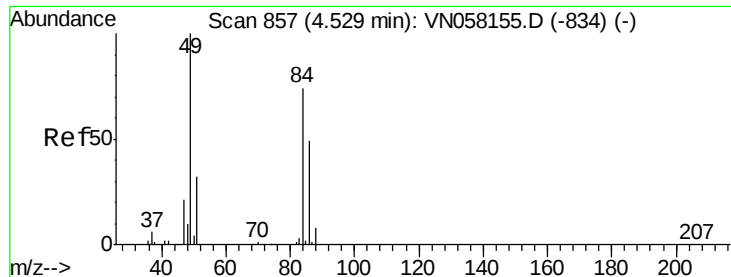


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO



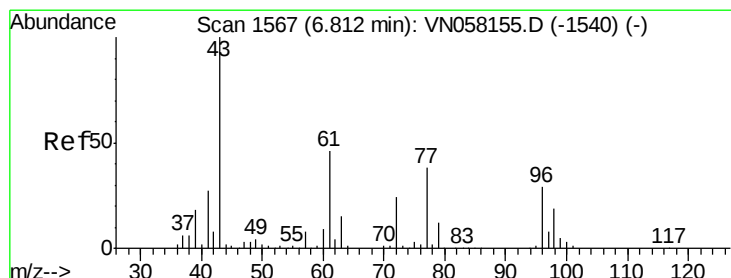
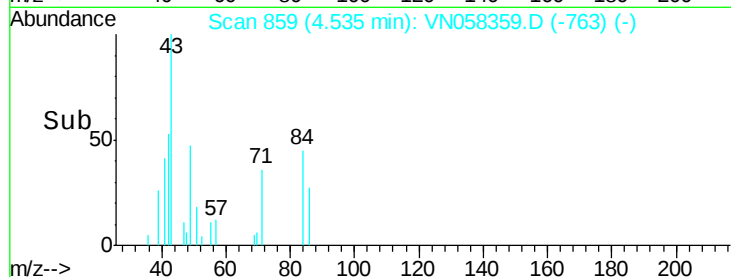
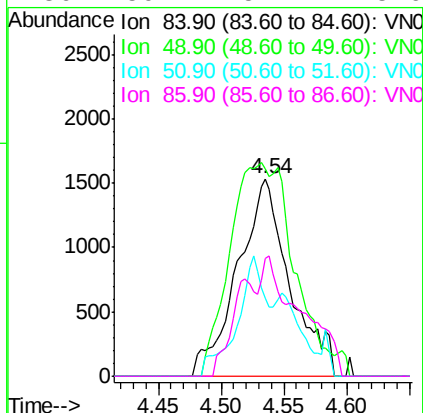
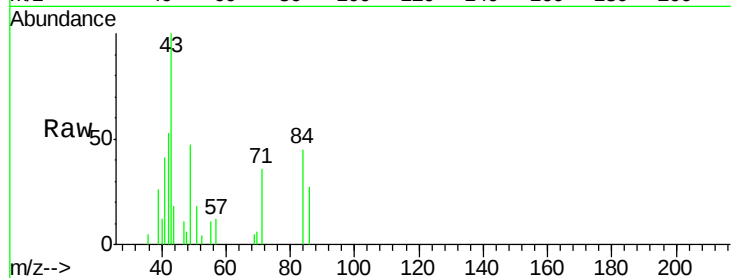
Time-->



#20
Methvlene Chloride
Concen: 0.906 ug/l
RT: 4.54 min Scan# 859
Delta R.T. 0.01 min
Lab File: VN058359.D
Acq: 25 Sep 2019 12:14

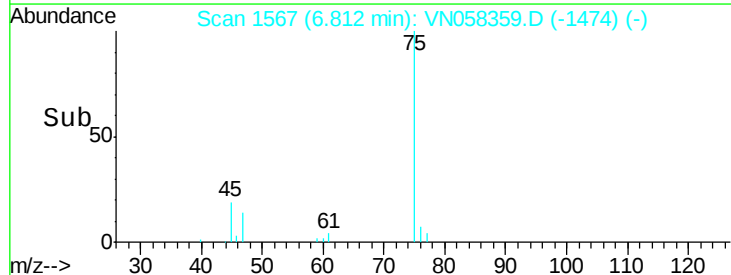
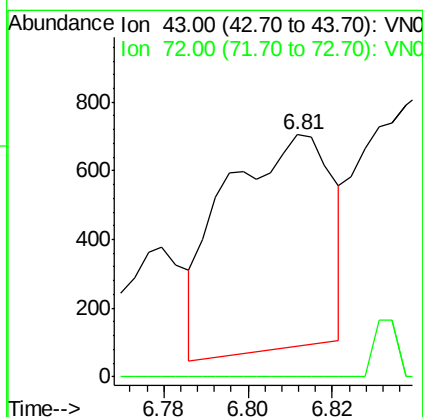
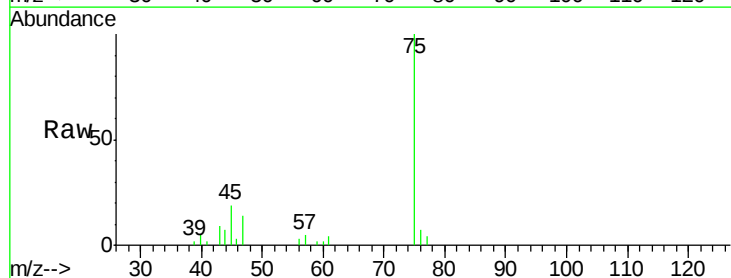
Instrument :
MSVOA_N
ClientSampled :
TWP-9DL

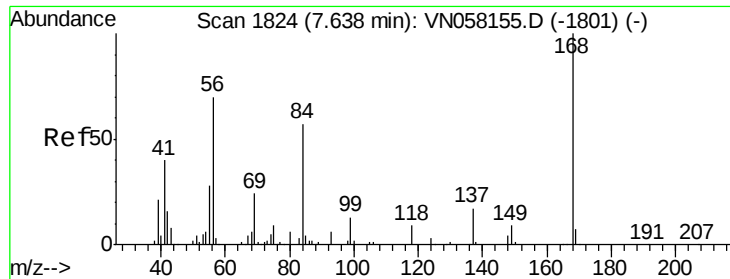
Tot Ion: 84 Resp: 4441
Ion Ratio Lower Upper
84 100
49 105.1 107.5 161.3#
51 39.3 33.9 50.9
86 59.4 52.4 78.6



#25
2-Butanone
Concen: 0.356 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VN058359.D
Acq: 25 Sep 2019 12:14

Tgt Ion: 43 Resp: 1095
Ion Ratio Lower Upper
43 100
72 0.0 19.5 29.3#

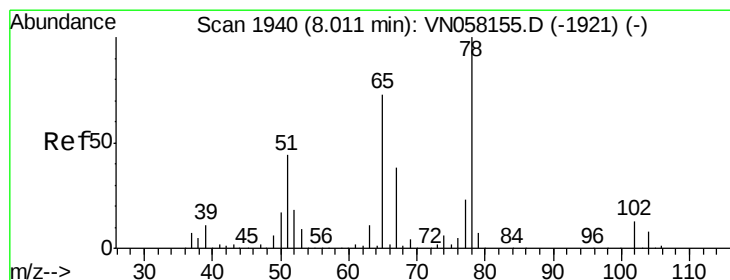
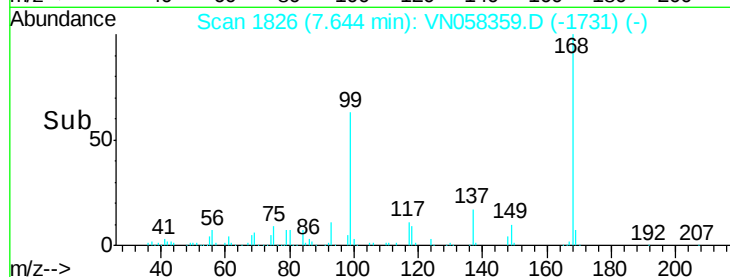
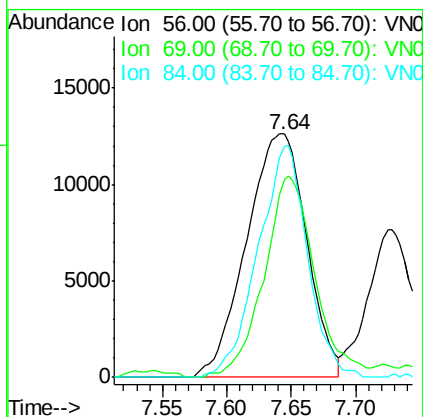
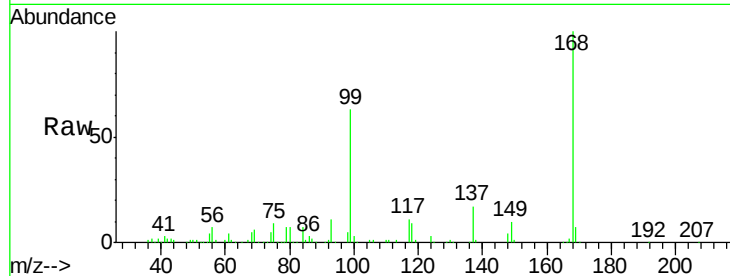




#31
Cyclohexane
Concen: 5.239 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN058359.D
Acq: 25 Sep 2019 12:14

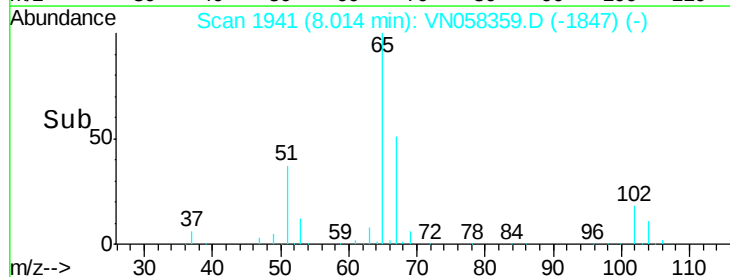
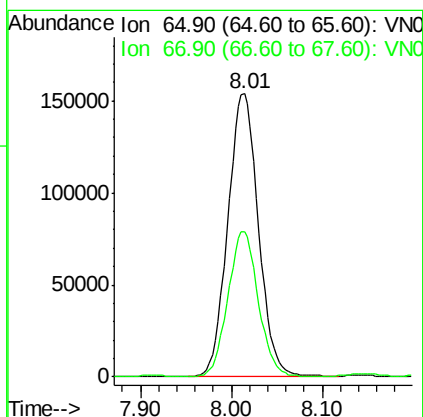
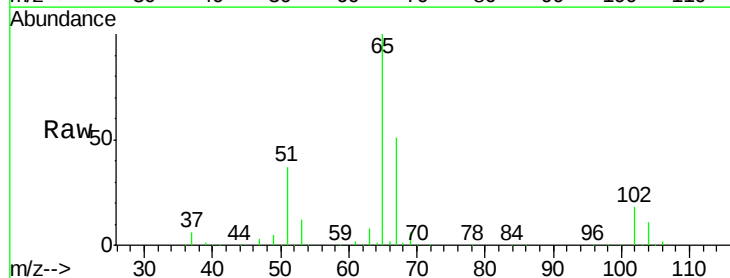
Instrument :
MSVOA_N
ClientSampleId :
TWP-9DL

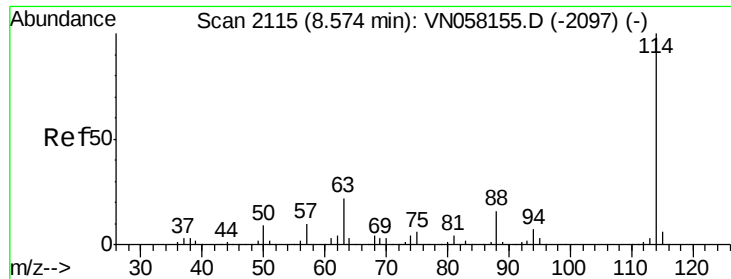
Tot Ion: 56 Resp: 40950
Ion Ratio Lower Upper
56 100
69 81.0 27.3 40.9#
84 94.9 65.0 97.4



#33
1,2-Dichloroethane-d4
Concen: 54.186 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN058359.D
Acq: 25 Sep 2019 12:14

Tgt Ion: 65 Resp: 360211
Ion Ratio Lower Upper
65 100
67 50.4 0.0 103.4

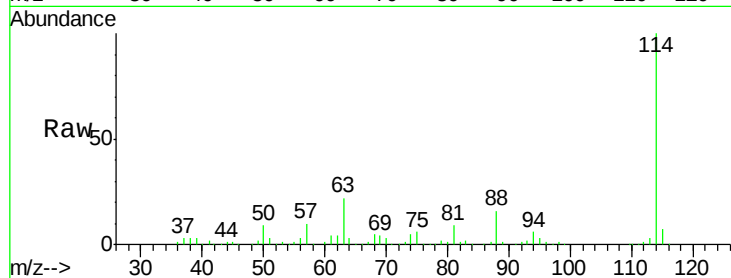




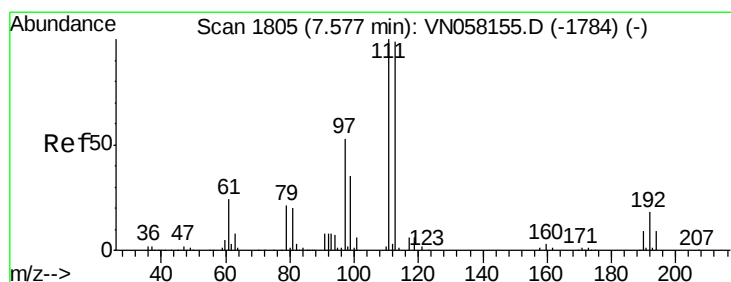
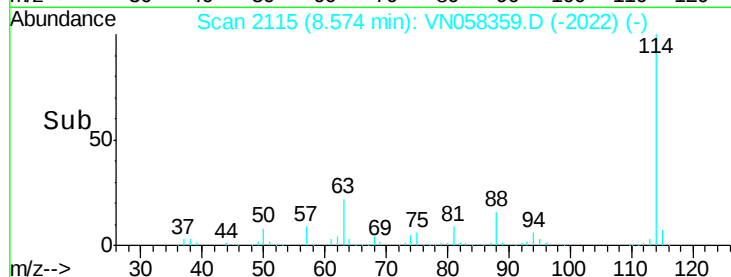
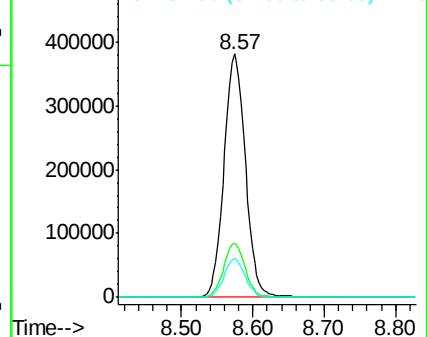
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. -0.00 min
Lab File: VN058359.D
Acq: 25 Sep 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
TWP-9DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	44.2
88	16.0	0.0	31.6

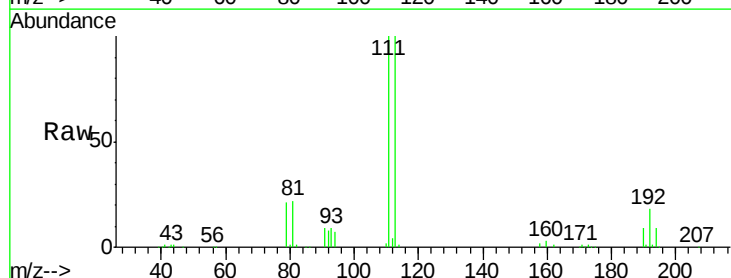


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

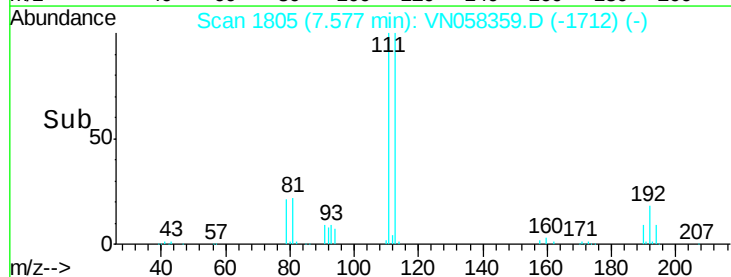
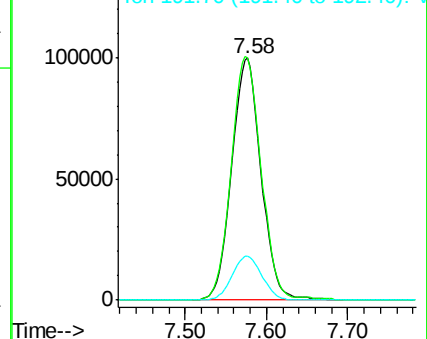


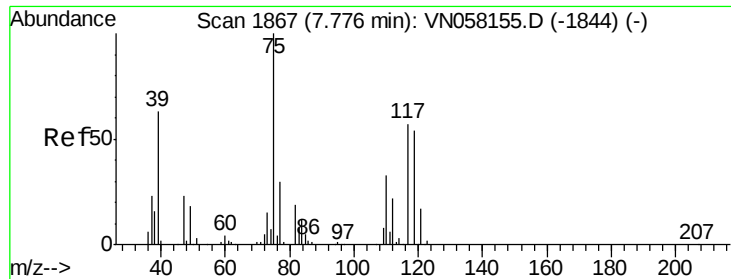
#35
Dibromofluoromethane
Concen: 51.967 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VN058359.D
Acq: 25 Sep 2019 12:14

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.8	122.6
192	18.5	14.5	21.7



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

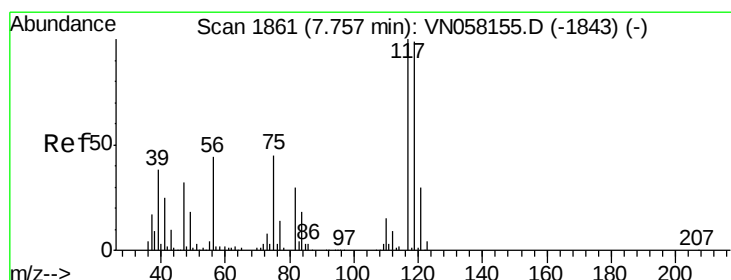
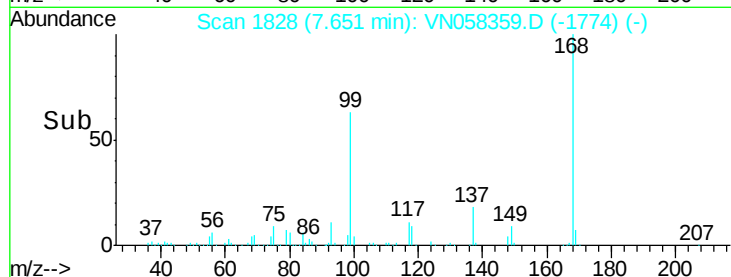
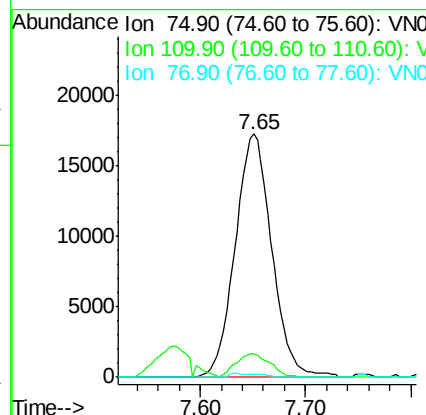
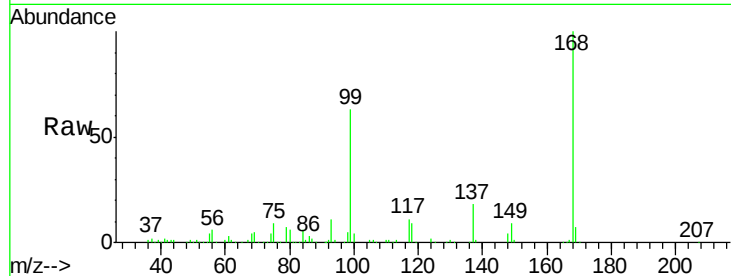




#36
 1,1-Dichloropropene
 Concen: 7.233 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058359.D
 Acq: 25 Sep 2019 12:14

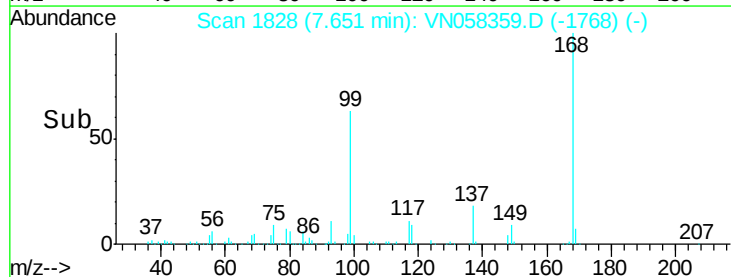
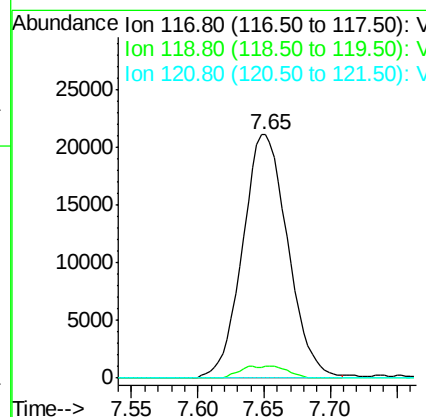
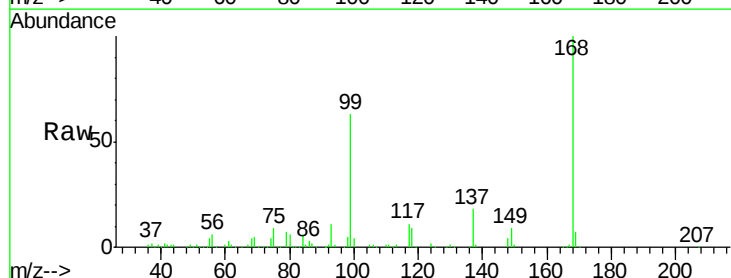
Instrument :
 MSVOA_N
 ClientSampled :
 TWP-9DL

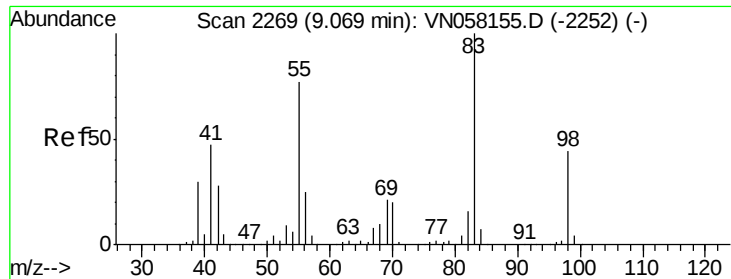
Tot Ion: 75 Resp: 41511
 Ion Ratio Lower Upper
 75 100
 110 9.1 16.6 49.7#
 77 0.7 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 8.648 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN058359.D
 Acq: 25 Sep 2019 12:14

Tgt Ion: 117 Resp: 49893
 Ion Ratio Lower Upper
 117 100
 119 4.7 78.6 117.8#
 121 0.0 24.1 36.1#

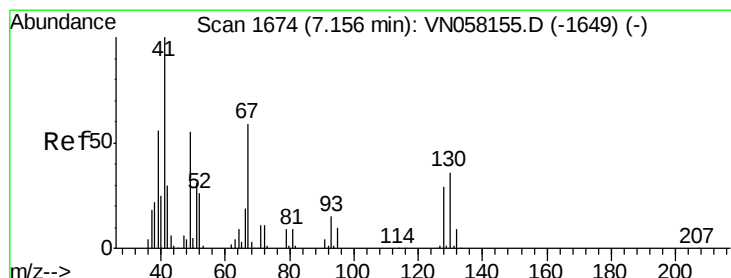
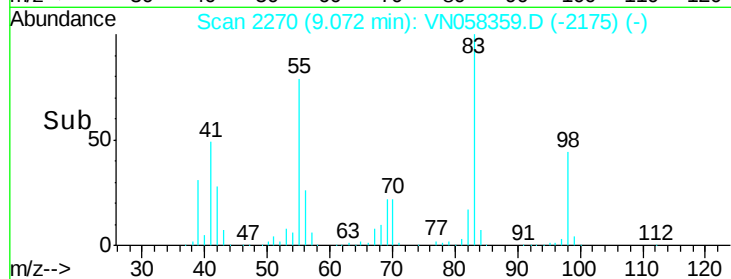
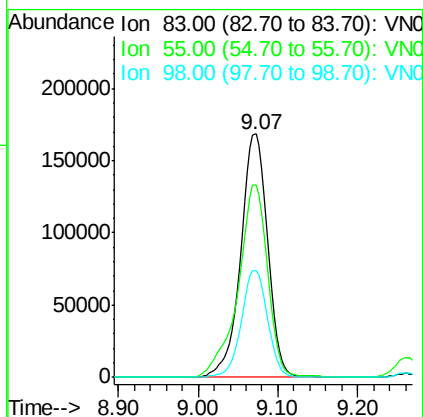
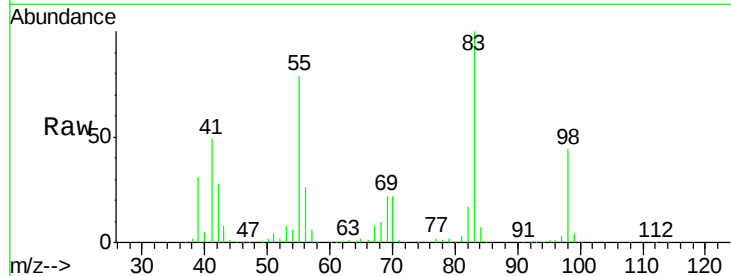




#39
Methylcyclohexane
Concen: 68.774 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058359.D
Acq: 25 Sep 2019 12:14

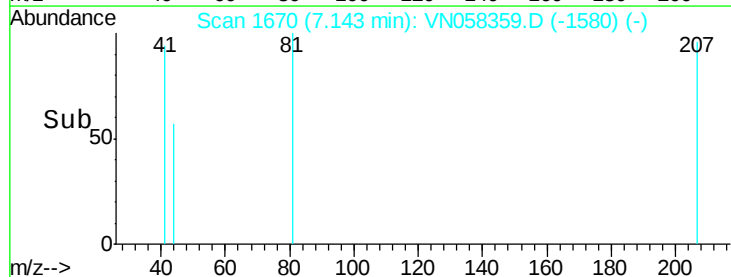
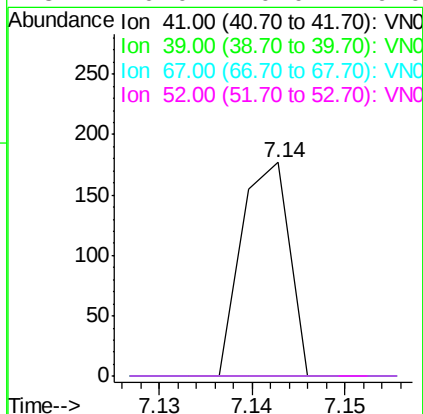
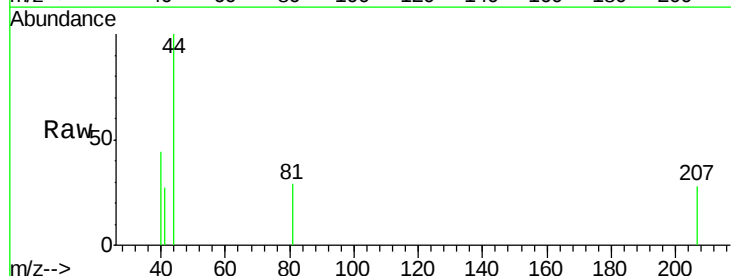
Instrument :
MSVOA_N
ClientSampled :
TWP-9DL

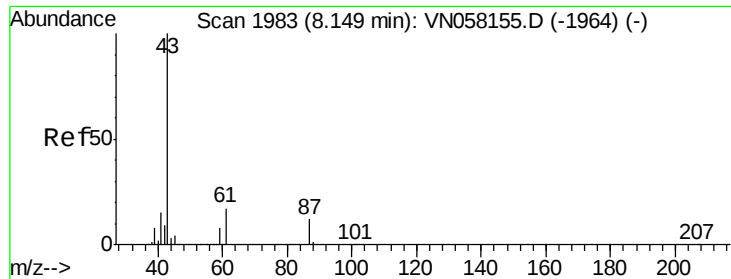
Tot Ion: 83 Resp: 381791
Ion Ratio Lower Upper
83 100
55 78.9 61.9 92.9
98 44.0 35.4 53.2



#41
Methacrylonitrile
Concen: 0.932 ug/l
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN058359.D
Acq: 25 Sep 2019 12:14

Tgt Ion: 41 Resp: 64
Ion Ratio Lower Upper
41 100
39 0.0 0.0 0.0
67 0.0 0.0 0.0
52 0.0 0.0 0.0





#43

Isopropyl Acetate

Concen: 1.355 ug/l

RT: 8.13 min Scan# 1978

Delta R.T. -0.02 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

TWP-9DL

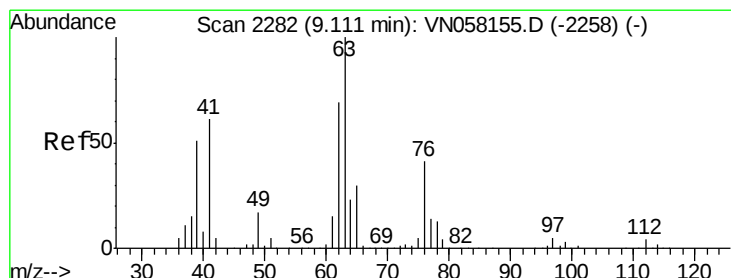
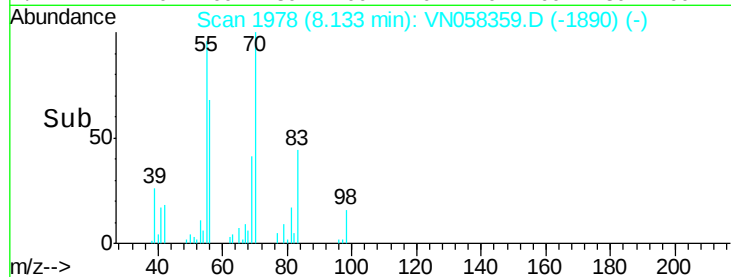
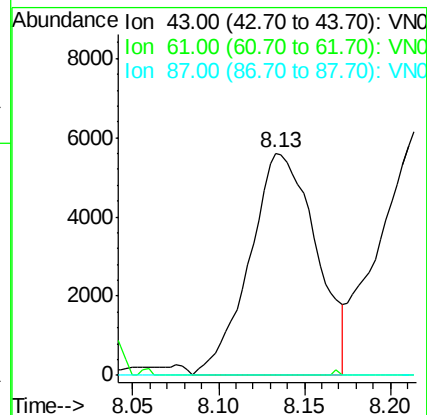
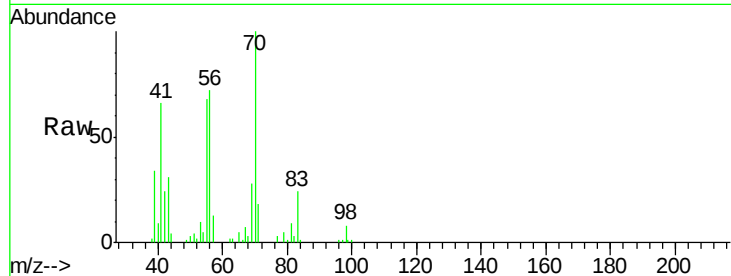
Tot Ion: 43 Resp: 15072

Ion Ratio Lower Upper

43 100

61 0.0 19.7 29.5#

87 0.0 9.4 14.2#



#45

1,2-Dichloropropane

Concen: 0.943 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. -0.04 min

Lab File: VN058359.D

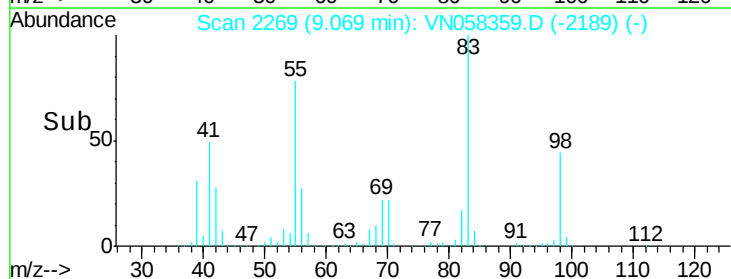
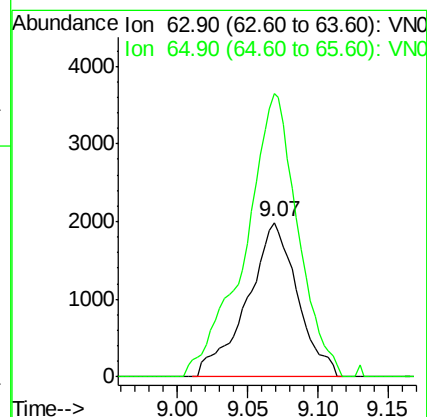
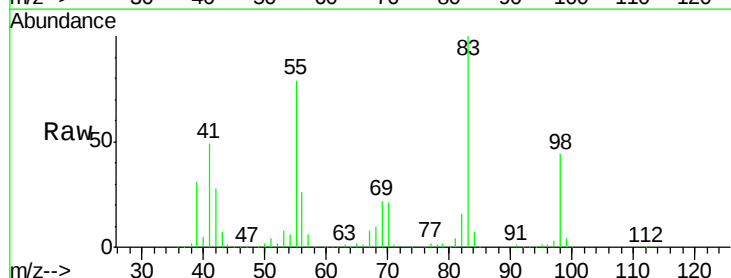
Acq: 25 Sep 2019 12:14

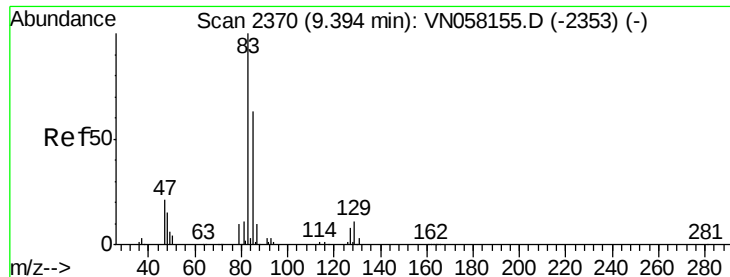
Tgt Ion: 63 Resp: 4939

Ion Ratio Lower Upper

63 100

65 183.6 23.8 35.6#





#47

Bromodichloromethane

Concen: 0.613 ug/l

RT: 9.36 min Scan# 2359

Delta R.T. -0.04 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

Instrument :

MSVOA_N

ClientSampled :

TWP-9DL

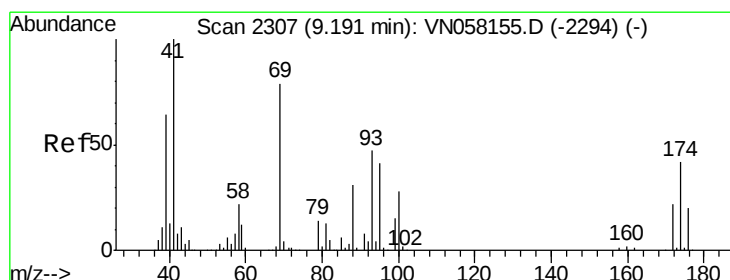
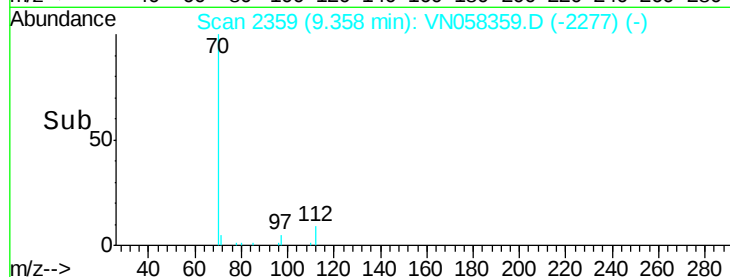
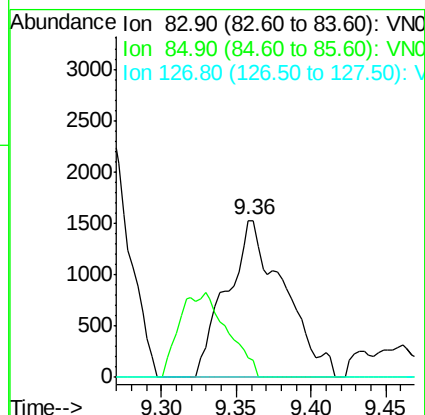
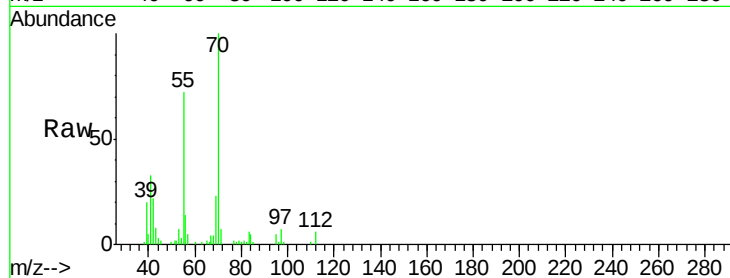
Tot Ion: 83 Resp: 4088

Ion Ratio Lower Upper

83 100

85 12.6 50.1 75.1#

127 0.0 6.4 9.6#



#48

Methyl methacrylate

Concen: 7.509 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.07 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

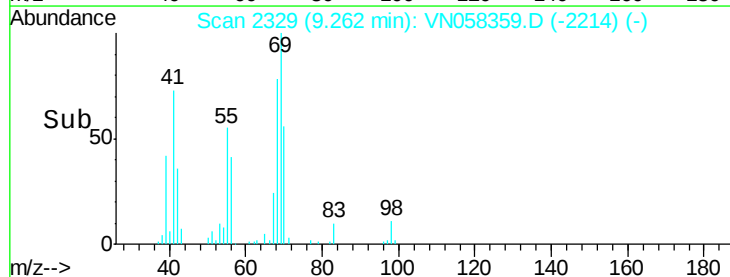
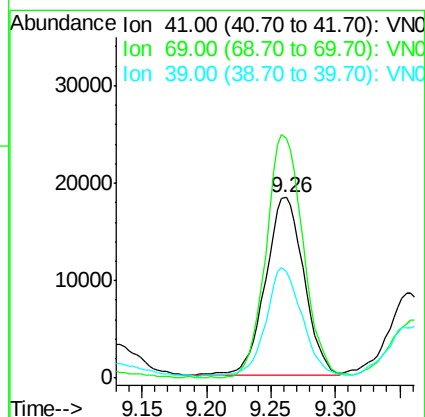
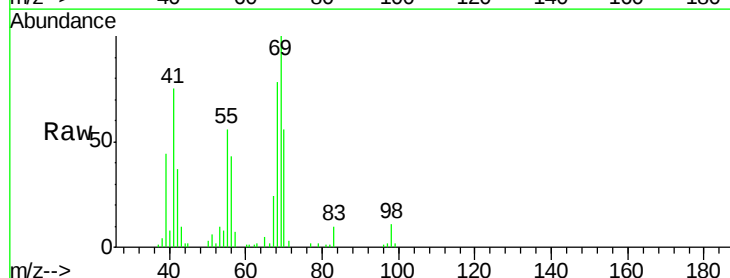
Tgt Ion: 41 Resp: 37925

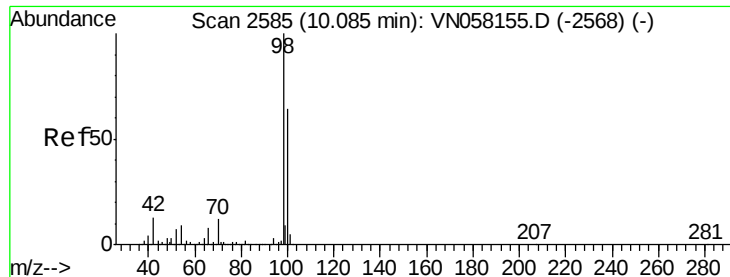
Ion Ratio Lower Upper

41 100

69 132.8 62.5 93.7#

39 55.9 52.3 78.5

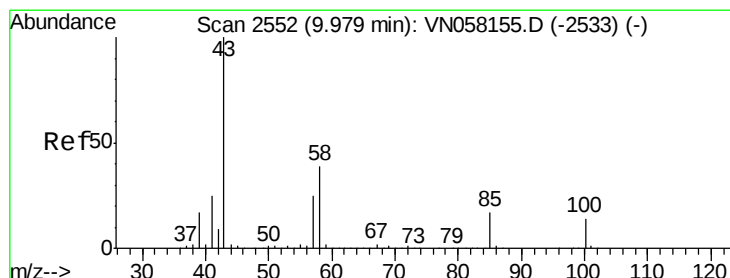
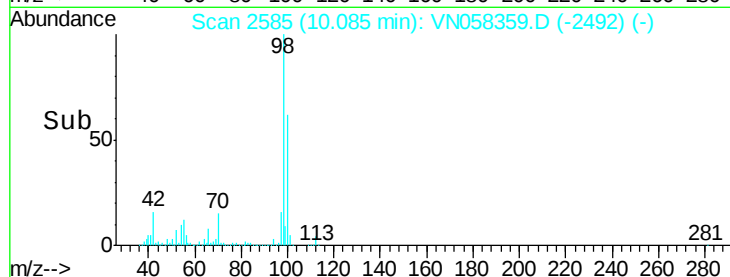
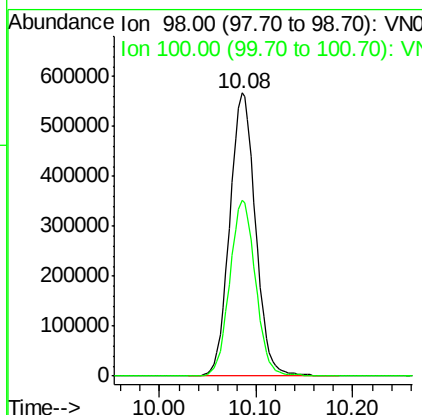
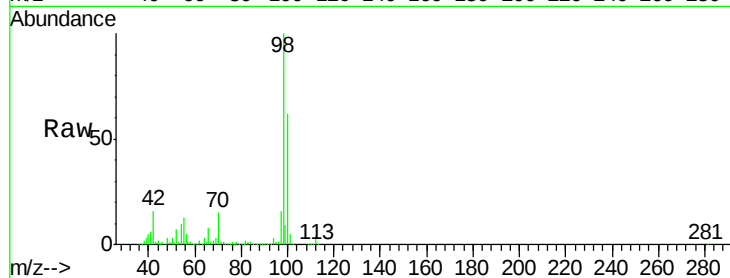




#50
Toluene-d8
Concen: 55.805 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058359.D
Acq: 25 Sep 2019 12:14

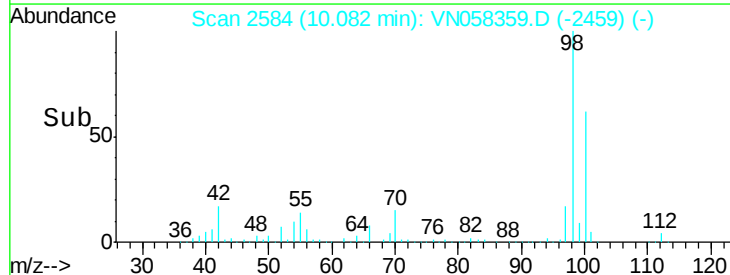
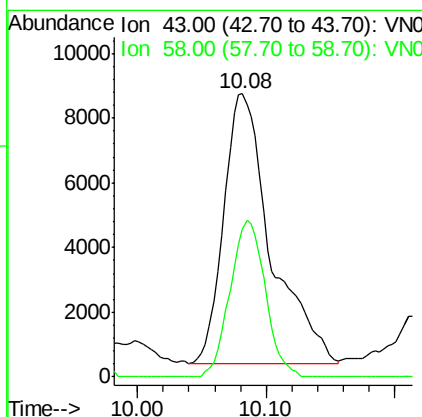
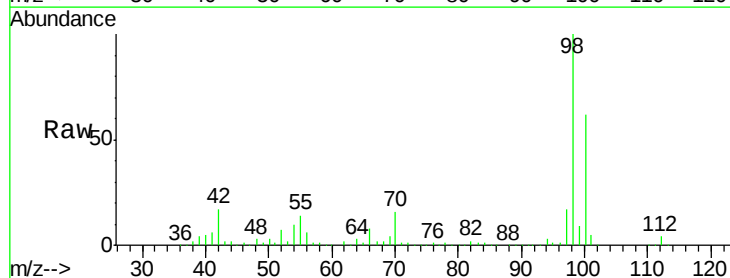
Instrument :
MSVOA_N
ClientSampleId :
TWP-9DL

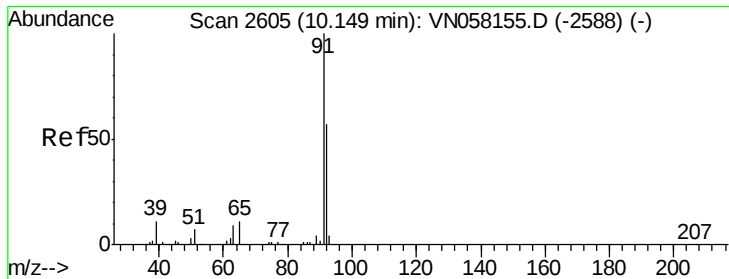
Tot Ion: 98 Resp: 1051948
Ion Ratio Lower Upper
98 100
100 62.2 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 3.579 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.10 min
Lab File: VN058359.D
Acq: 25 Sep 2019 12:14

Tgt Ion: 43 Resp: 21148
Ion Ratio Lower Upper
43 100
58 43.4 30.2 45.4





#52

Toluene

Concen: 0.308 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

Instrument :

MSVOA_N

ClientSampled :

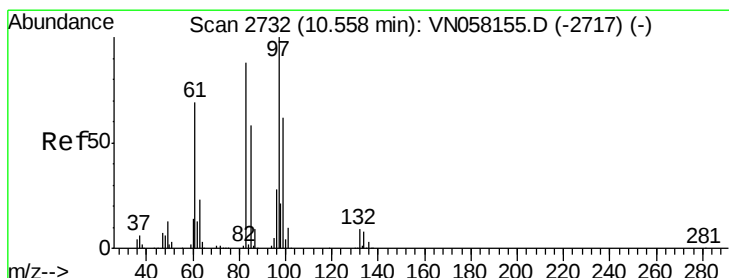
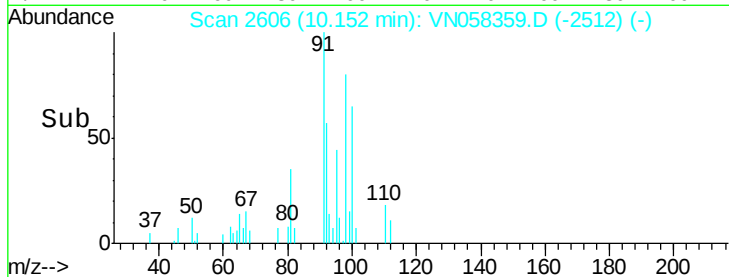
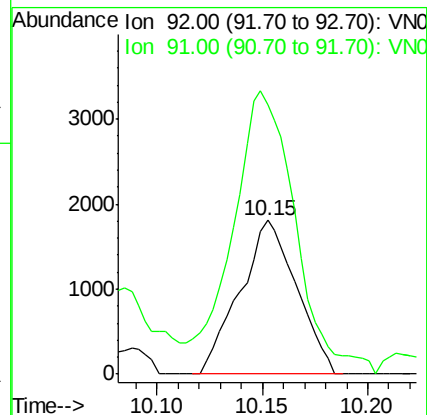
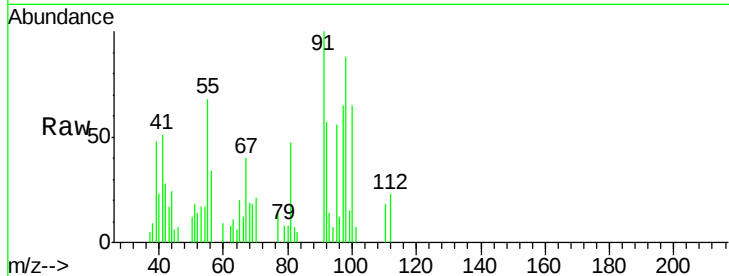
TWP-9DL

Tot Ion: 92 Resp: 3382

Ion Ratio Lower Upper

92 100

91 204.4 140.2 210.2



#55

1,1,2-Trichloroethane

Concen: 13.403 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.03 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

Tgt Ion: 97 Resp: 65346

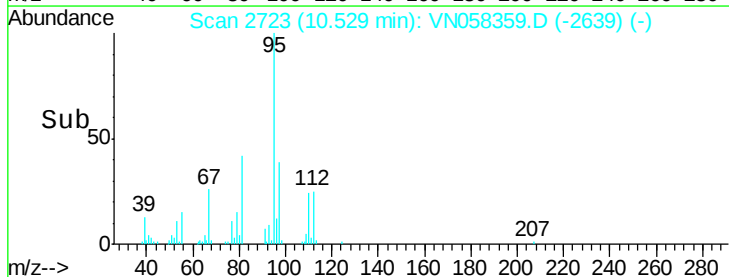
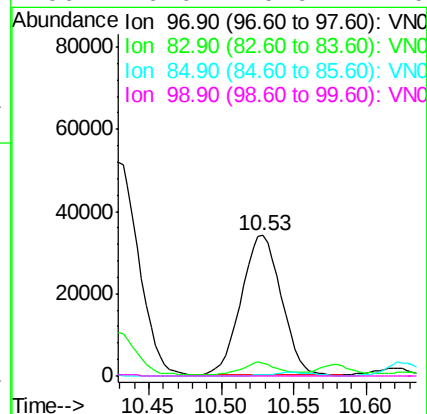
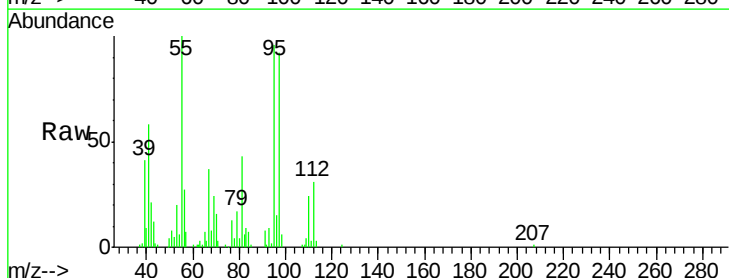
Ion Ratio Lower Upper

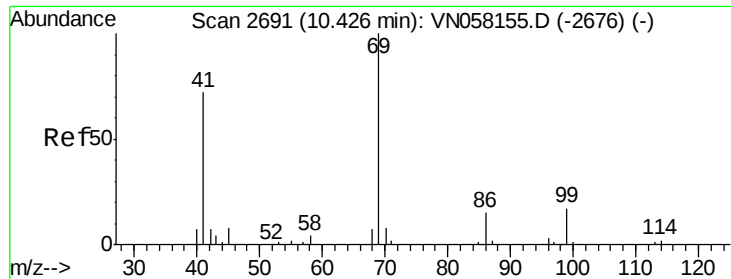
97 100

83 8.5 70.4 105.6#

85 1.0 46.8 70.2#

99 0.0 49.9 74.9#





#56

Ethyl methacrylate

Concen: 5.785 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

Instrument :

MSVOA_N

ClientSampled :

TWP-9DL

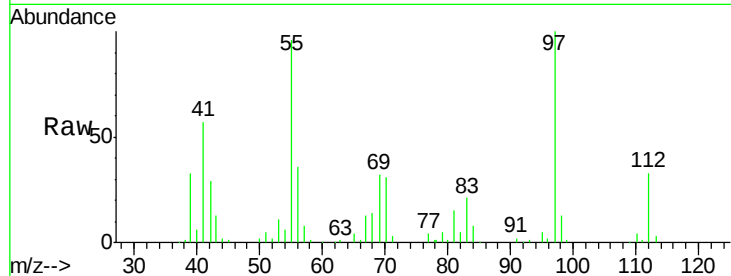
Tot Ion: 69 Resp: 40695

Ion Ratio Lower Upper

69 100

41 129.7 57.5 86.3#

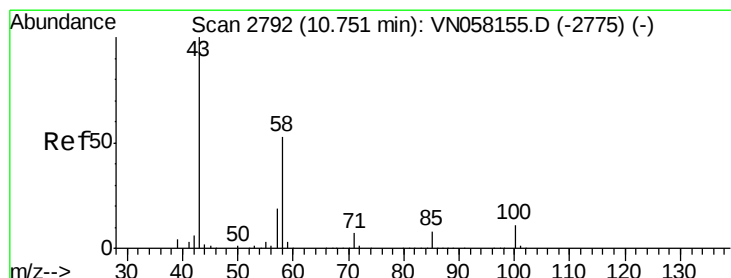
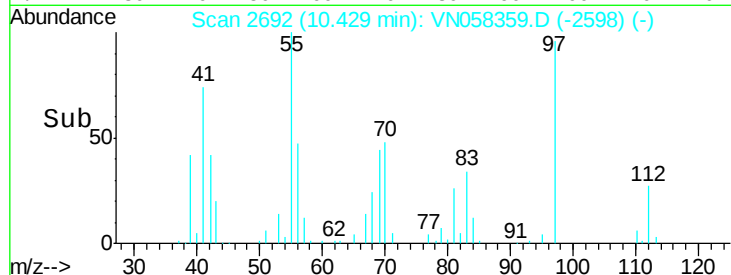
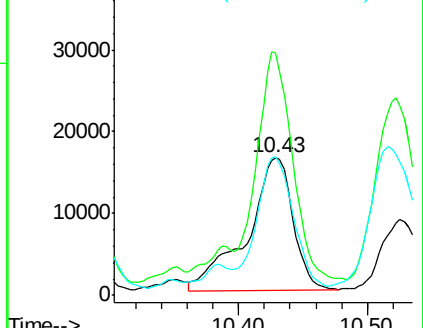
39 74.2 36.1 54.1#



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



#59

2-Hexanone

Concen: 8.120 ug/l

RT: 10.72 min Scan# 2782

Delta R.T. -0.03 min

Lab File: VN058359.D

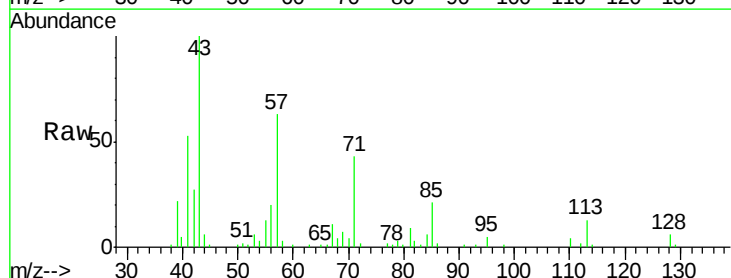
Acq: 25 Sep 2019 12:14

Tgt Ion: 43 Resp: 35630

Ion Ratio Lower Upper

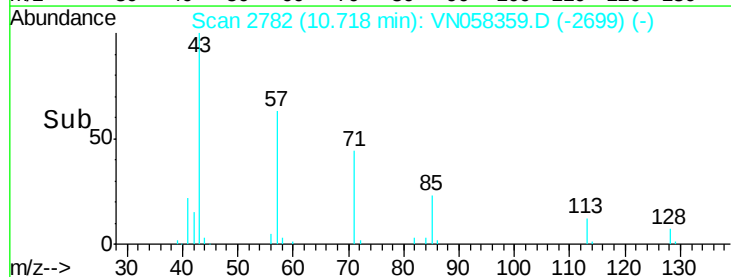
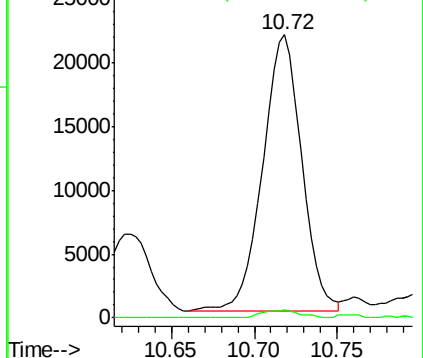
43 100

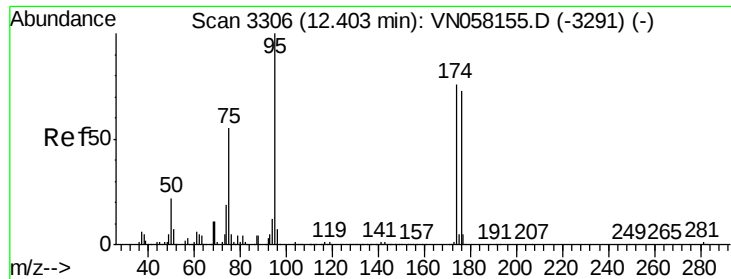
58 2.8 26.0 78.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 50.545 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

Instrument :

MSVOA_N

ClientSampled :

TWP-9DL

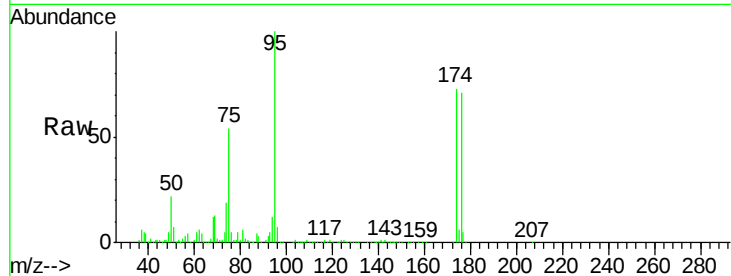
Tot Ion: 95 Resp: 353932

Ion Ratio Lower Upper

95 100

174 73.7 0.0 152.2

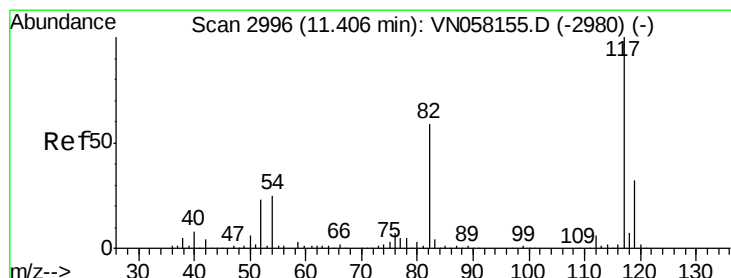
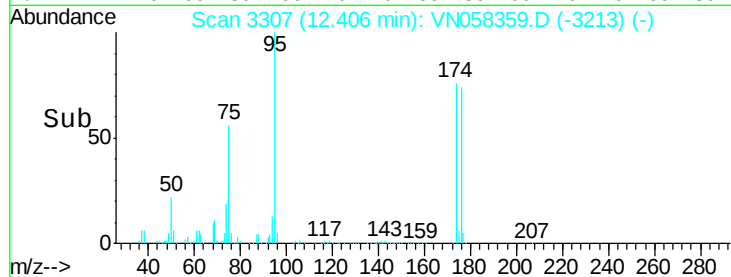
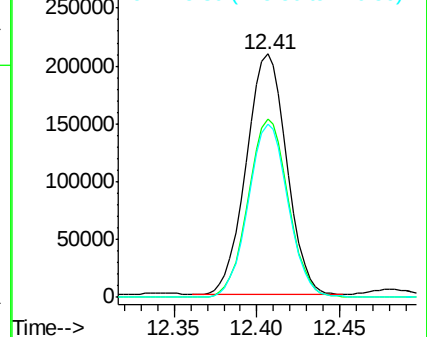
176 71.3 0.0 148.0



Abundance Ion 94.90 (94.60 to 95.60): VN058155.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN058155.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN058155.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

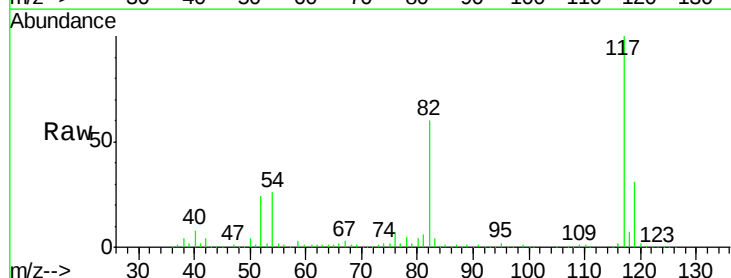
Tgt Ion: 117 Resp: 692883

Ion Ratio Lower Upper

117 100

82 59.5 46.9 70.3

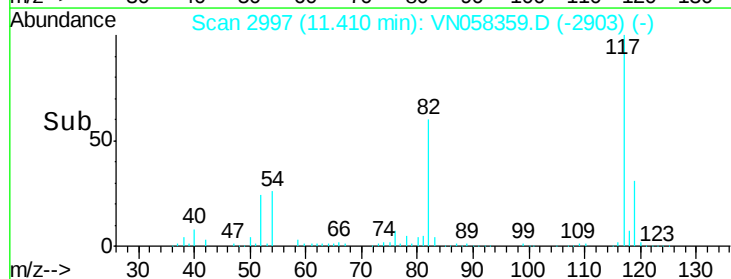
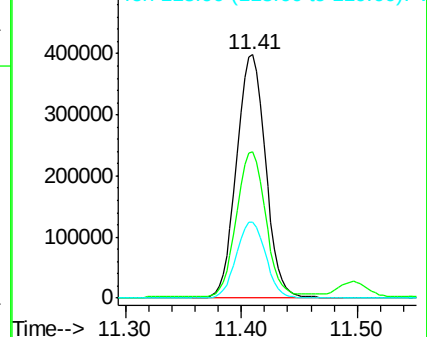
119 31.4 25.3 37.9

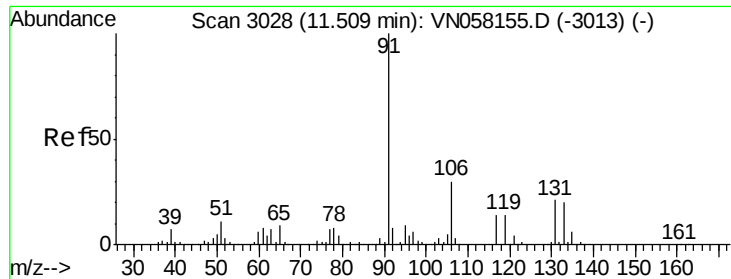


Abundance Ion 116.90 (116.60 to 117.60): VN058155.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN058155.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN058155.D (-2980) (-)

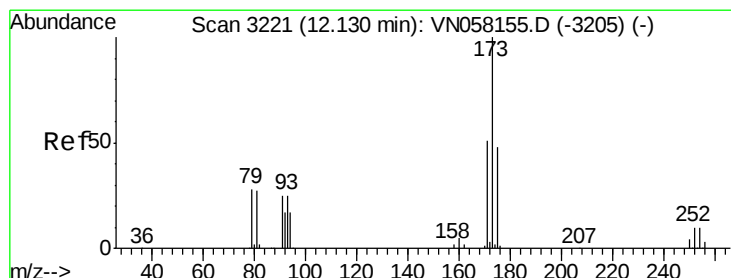
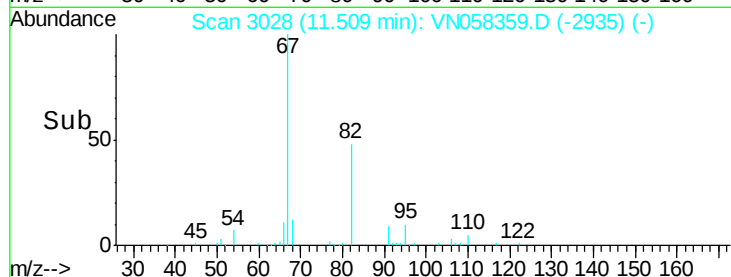
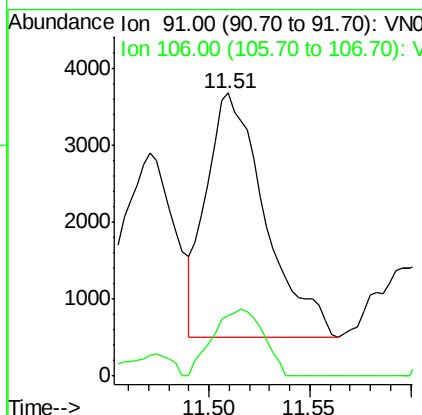
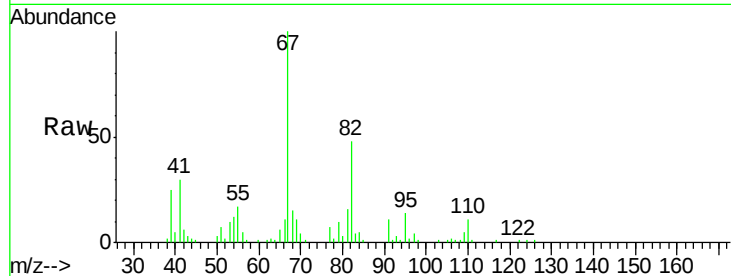




#67
Ethyl Benzene
Concen: 0.309 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058359.D
Acq: 25 Sep 2019 12:14

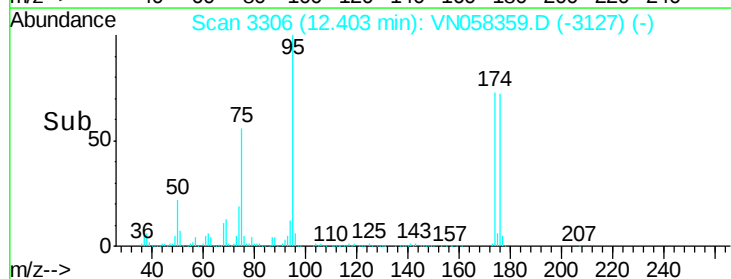
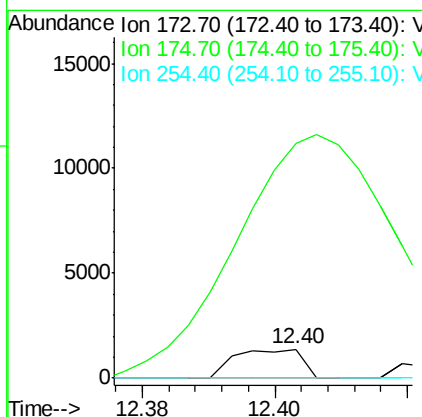
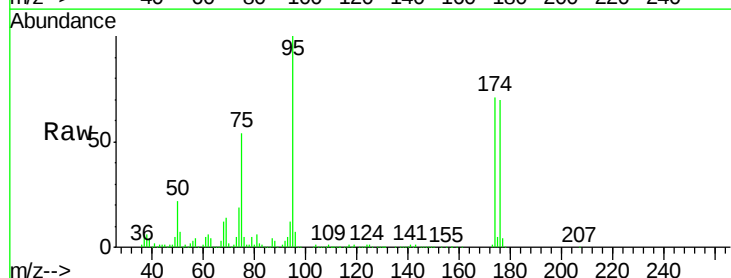
Instrument :
MSVOA_N
ClientSampled :
TWP-9DL

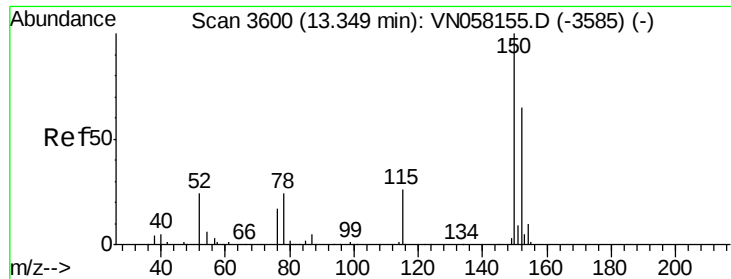
Tot Ion: 91 Resp: 6447
Ion Ratio Lower Upper
91 100
106 24.6 24.0 36.0



#71
Bromoform
Concen: 3.865 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.27 min
Lab File: VN058359.D
Acq: 25 Sep 2019 12:14

Tgt Ion: 173 Resp: 954
Ion Ratio Lower Upper
173 100
175 1727.5 24.2 72.6#
254 0.0 0.1 0.1#



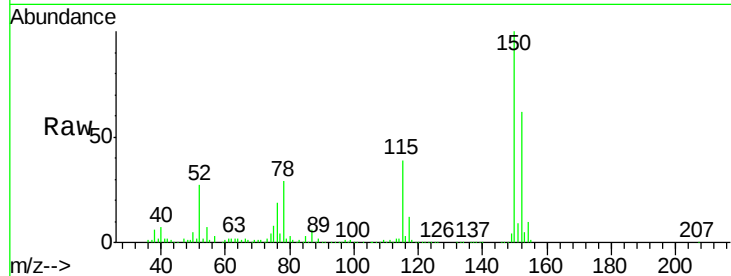


#72

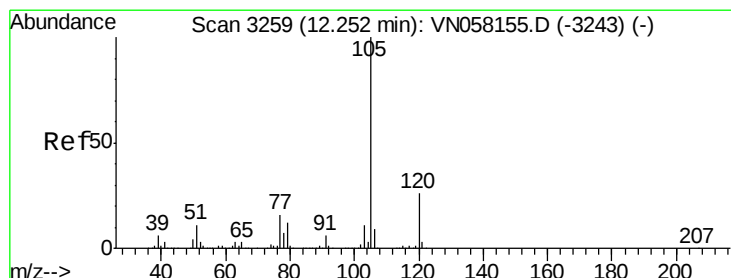
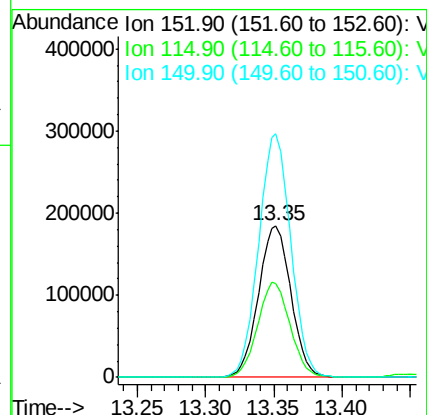
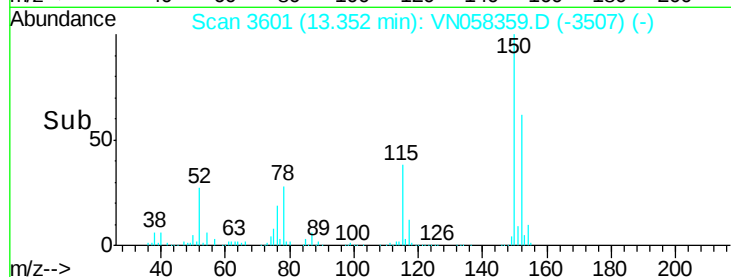
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN058359.D
Acq: 25 Sep 2019 12:14

Instrument :
MSVOA_N
ClientSampled :
TWP-9DL

Tot Ion	Ratio	Lower	Upper
152	100		
115	62.1	30.1	90.3
150	159.5	0.0	346.4



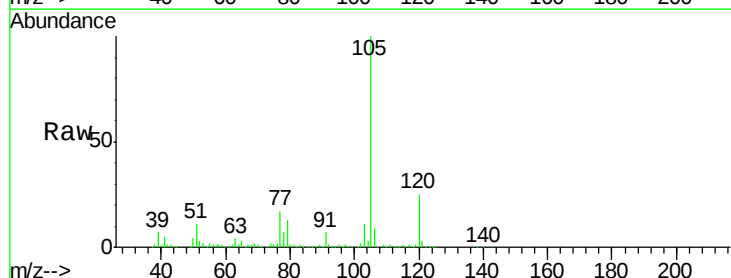
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



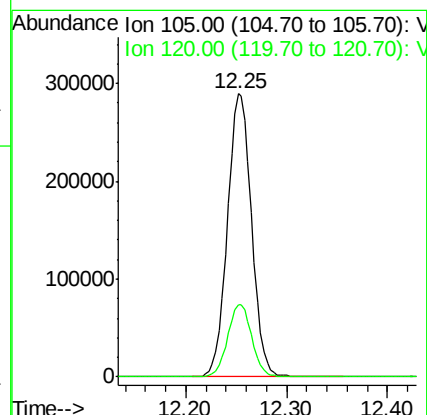
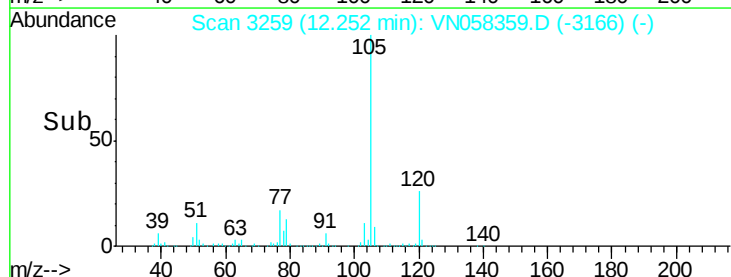
#73

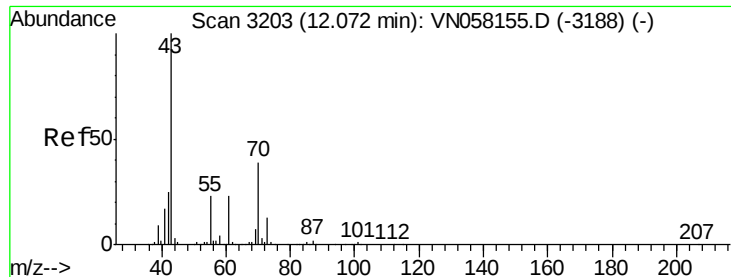
Isopropylbenzene
Concen: 25.336 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058359.D
Acq: 25 Sep 2019 12:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 3.871 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.03 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

Instrument :

MSVOA_N

ClientSampled :

TWP-9DL

Tot Ion: 43 Resp: 30941

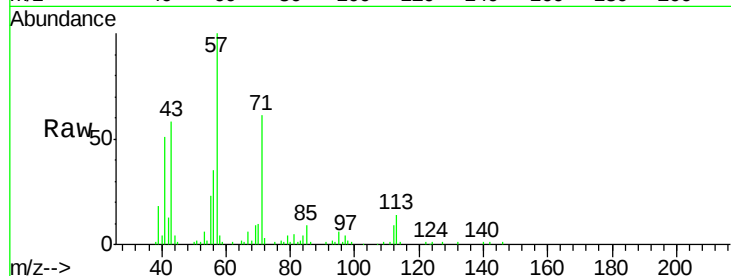
Ion Ratio Lower Upper

43 100

70 13.1 31.0 46.6#

55 7.0 18.5 27.7#

61 0.0 18.2 27.2#

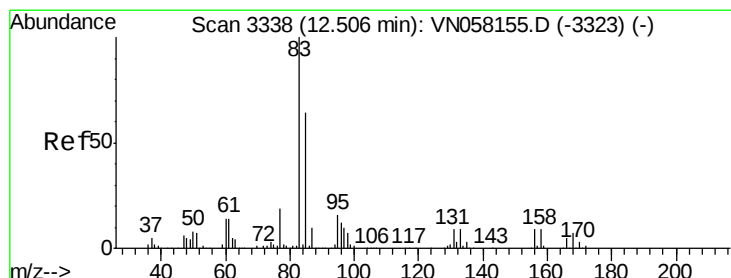
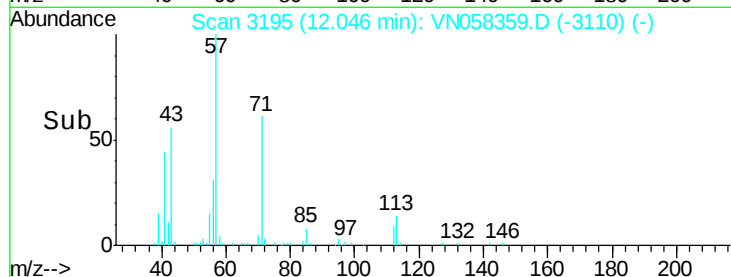
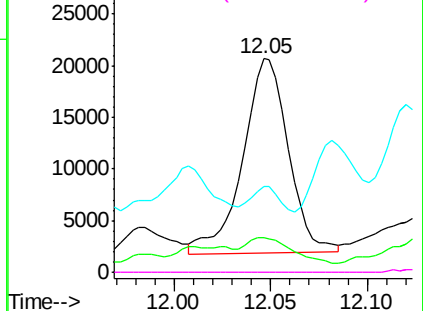


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.493 ug/l

RT: 12.47 min Scan# 3327

Delta R.T. -0.04 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

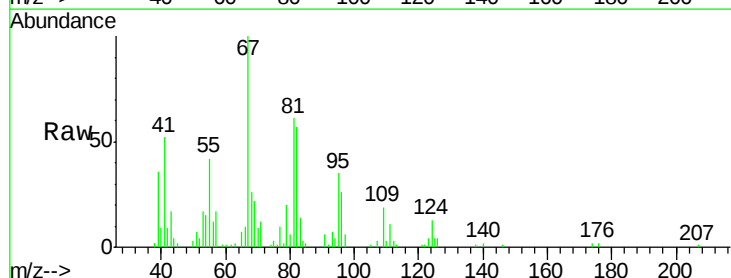
Tgt Ion: 83 Resp: 3156

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

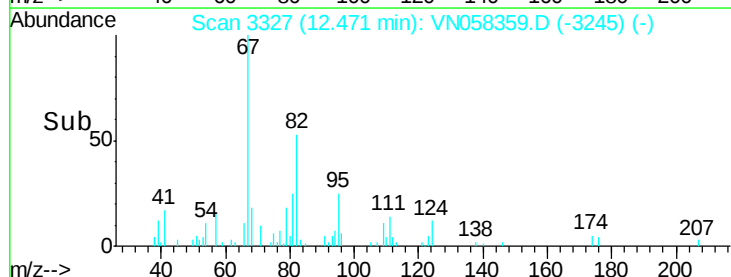
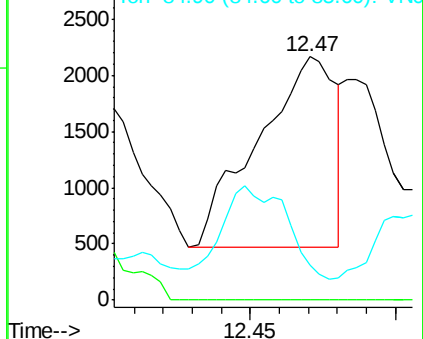
85 0.0 31.9 95.5#

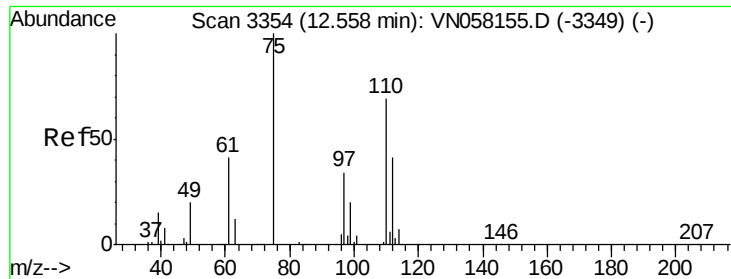


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 35.338 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

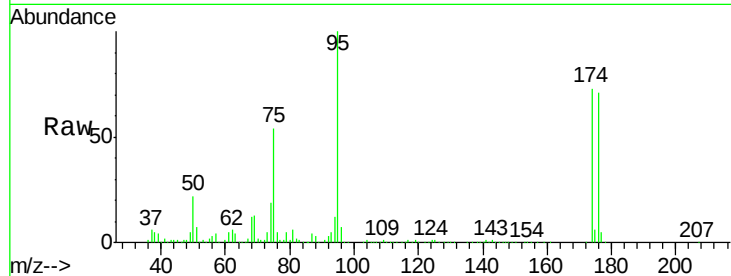
TWP-9DL

Tot Ion: 75 Resp: 193057

Ion Ratio Lower Upper

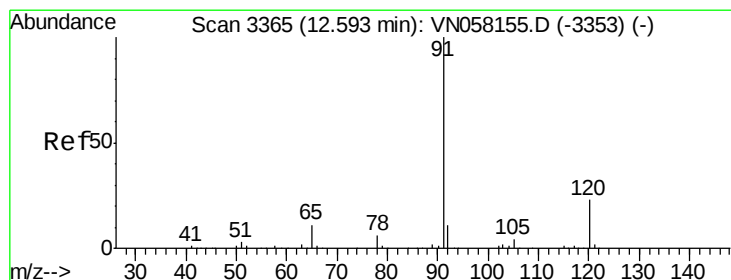
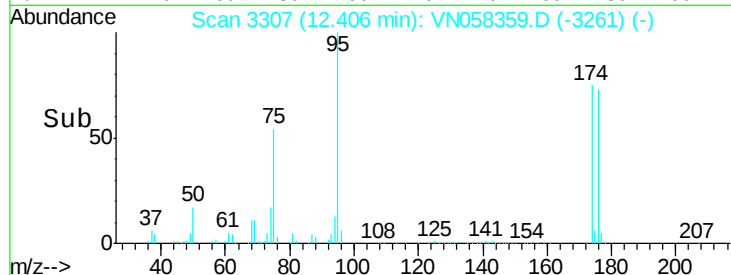
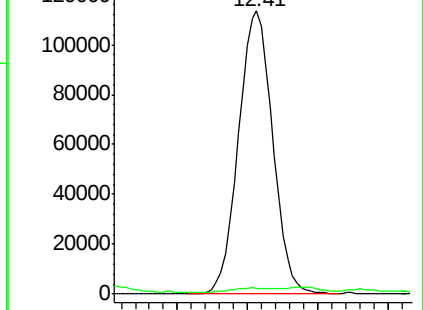
75 100

77 1.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 31.751 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058359.D

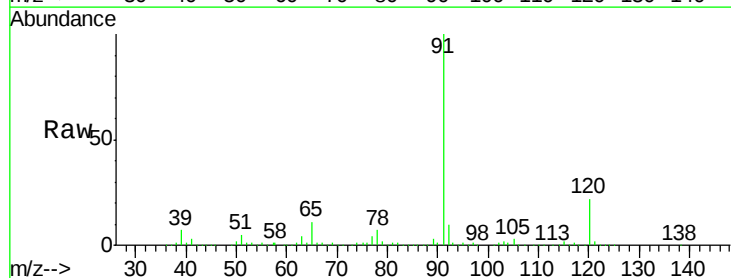
Acq: 25 Sep 2019 12:14

Tgt Ion: 91 Resp: 689389

Ion Ratio Lower Upper

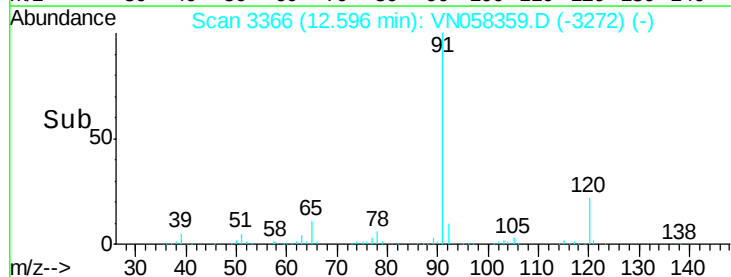
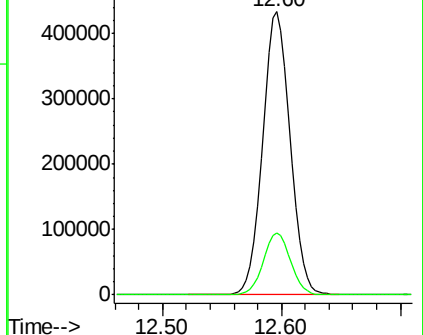
91 100

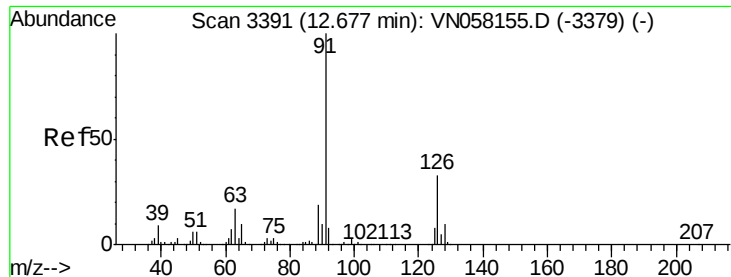
120 21.7 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.804 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.08 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

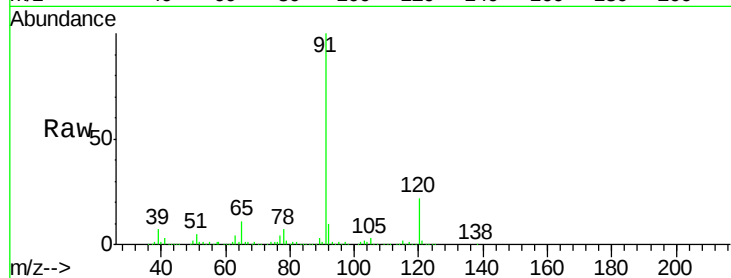
TWP-9DL

Tot Ion: 91 Resp: 689389

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.1#



Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058155.D (-3379) (-)

12.60

400000

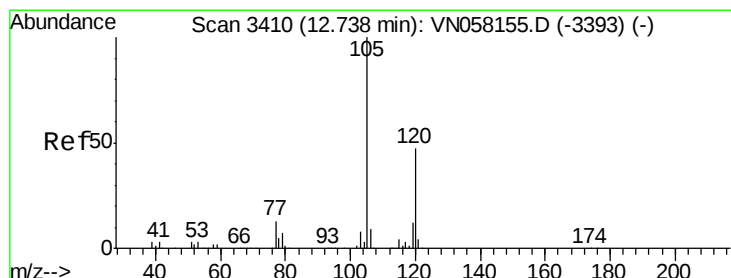
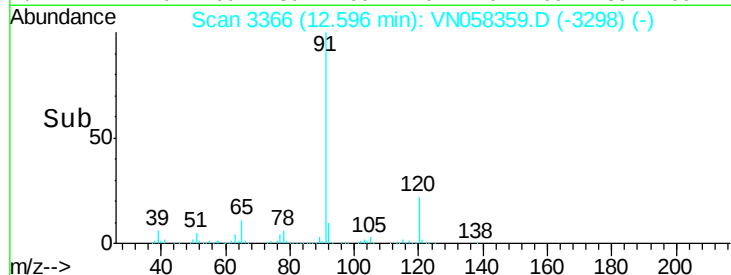
300000

200000

100000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 3.048 ug/l

RT: 12.90 min Scan# 3460

Delta R.T. 0.16 min

Lab File: VN058359.D

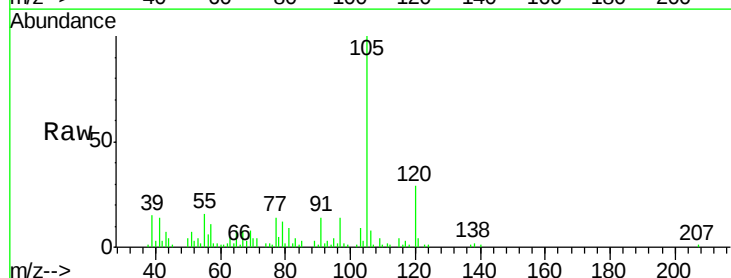
Acq: 25 Sep 2019 12:14

Tgt Ion: 105 Resp: 49253

Ion Ratio Lower Upper

105 100

120 30.3 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058155.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058155.D (-3393) (-)

12.90

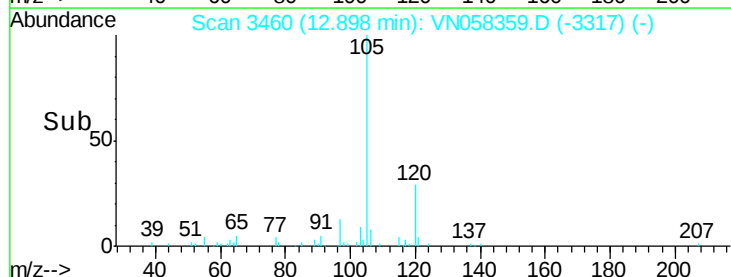
30000

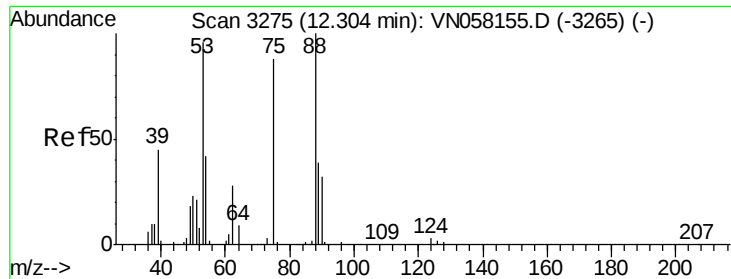
20000

10000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 8.725 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.05 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

TWP-9DL

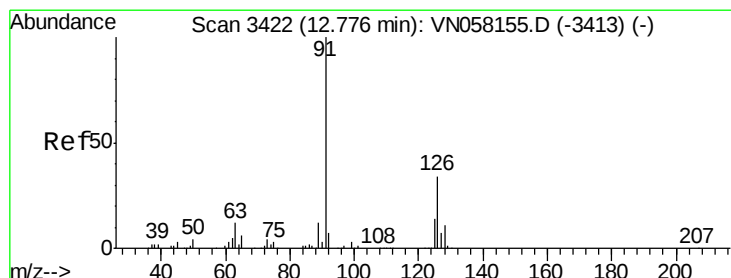
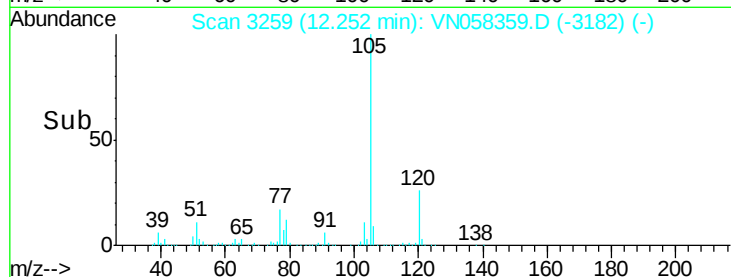
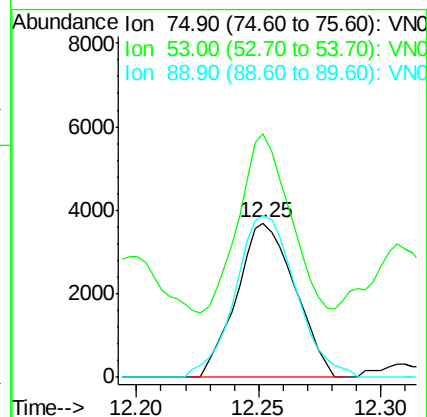
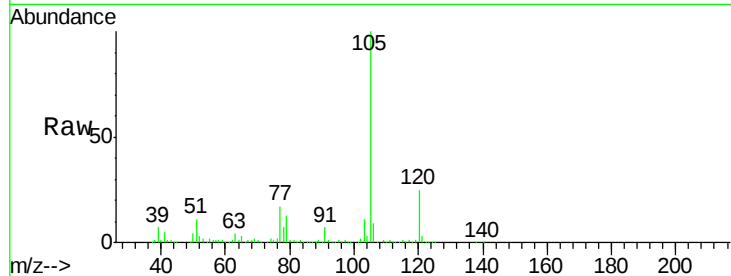
Tot Ion: 75 Resp: 6112

Ion Ratio Lower Upper

75 100

53 101.6 90.1 135.1

89 109.4 36.2 54.2#



#82

4-Chlorotoluene

Concen: 48.331 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.18 min

Lab File: VN058359.D

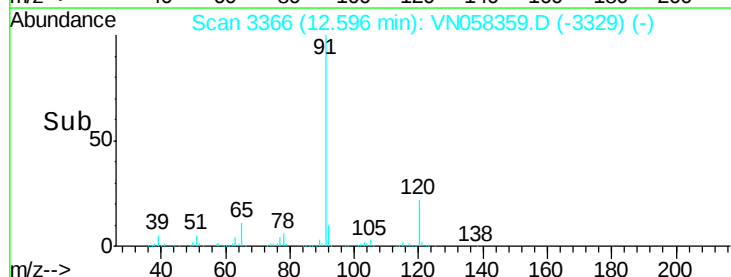
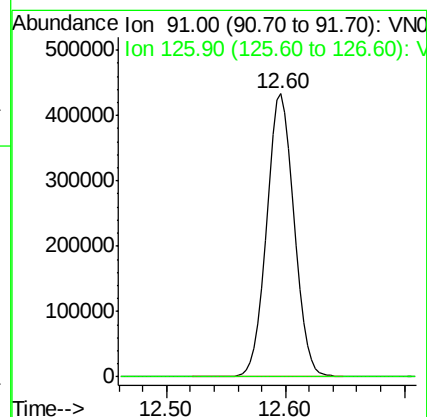
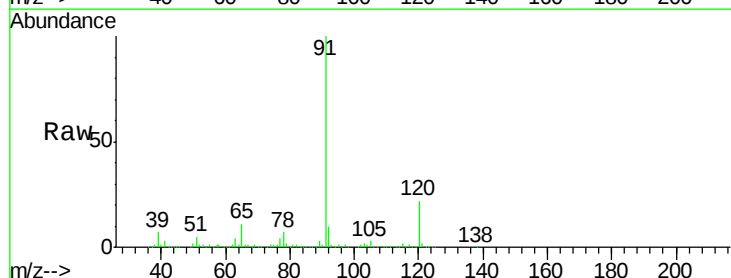
Acq: 25 Sep 2019 12:14

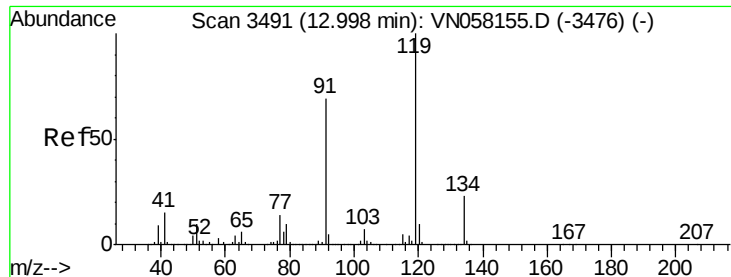
Tgt Ion: 91 Resp: 689389

Ion Ratio Lower Upper

91 100

126 0.0 15.7 47.1#

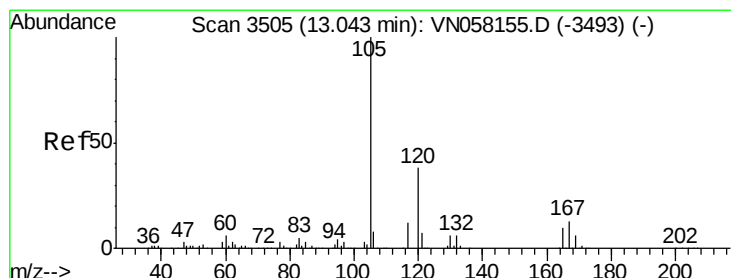
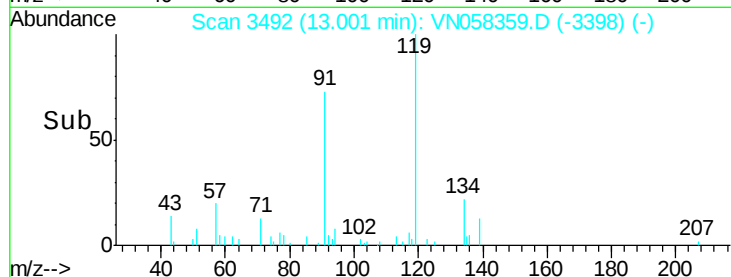
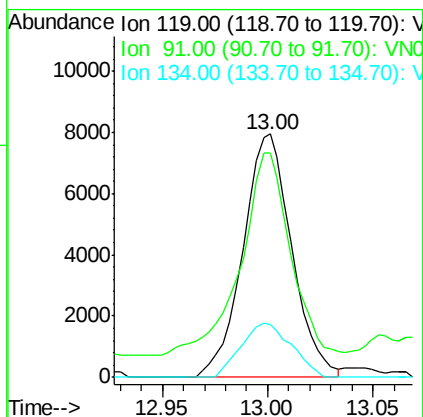
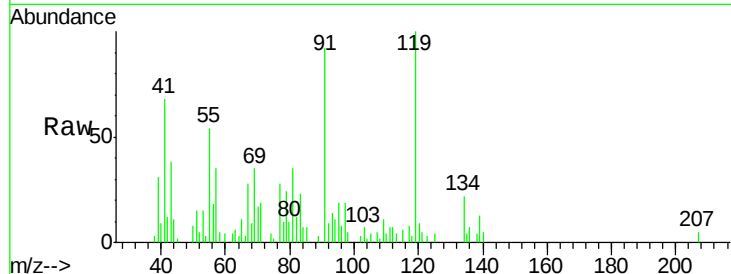




#83
 tert-Butylbenzene
 Concen: 0.885 ug/l
 RT: 13.00 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN058359.D
 Acq: 25 Sep 2019 12:14

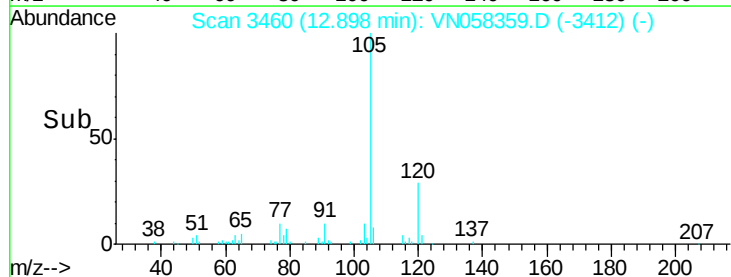
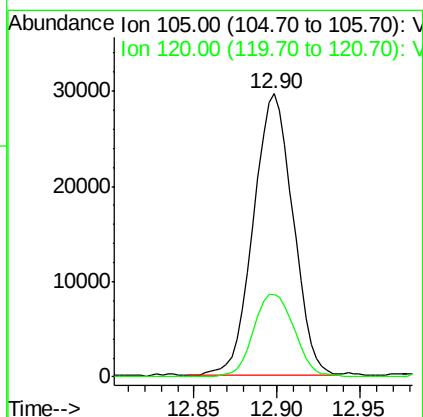
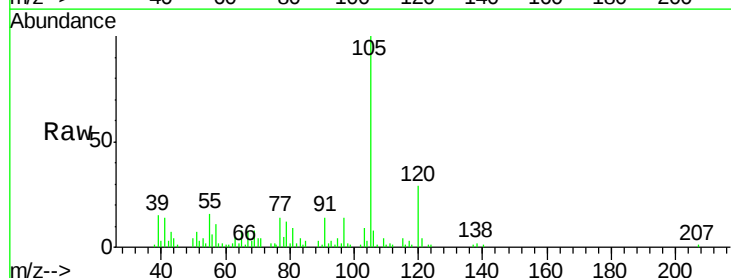
Instrument :
 MSVOA_N
 ClientSampled :
 TWP-9DL

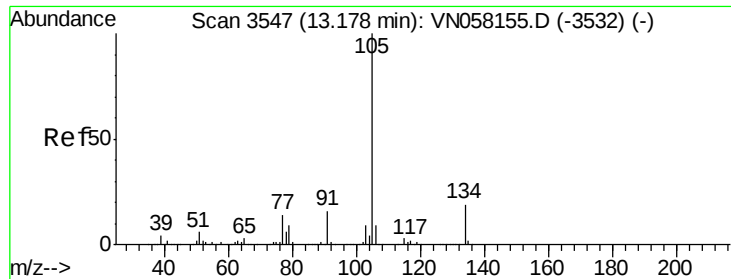
Tot Ion:119 Resp: 12756
 Ion Ratio Lower Upper
 119 100
 91 85.0 33.8 101.3
 134 23.0 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 3.063 ug/l
 RT: 12.90 min Scan# 3460
 Delta R.T. -0.14 min
 Lab File: VN058359.D
 Acq: 25 Sep 2019 12:14

Tgt Ion:105 Resp: 49253
 Ion Ratio Lower Upper
 105 100
 120 30.3 22.1 66.5





#85

sec-Butylbenzene

Concen: 7.543 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

Instrument :

MSVOA_N

ClientSampled :

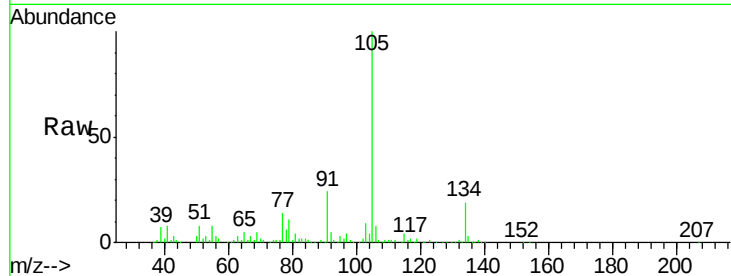
TWP-9DL

Tot Ion:105 Resp: 142117

Ion Ratio Lower Upper

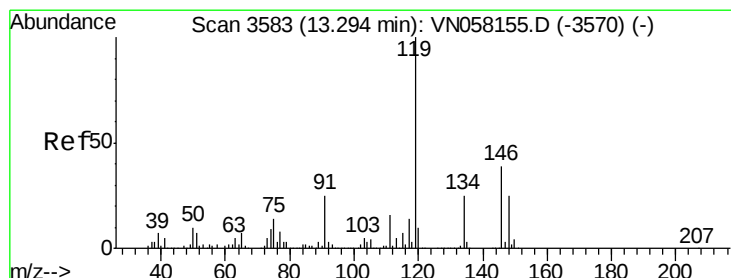
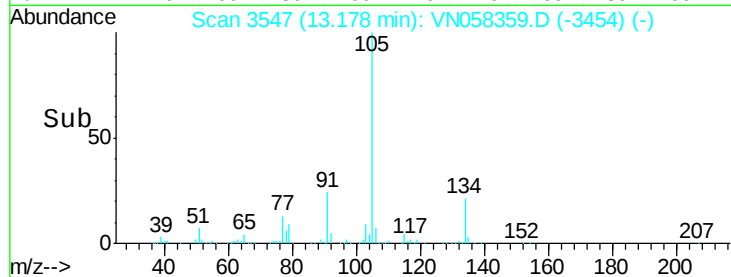
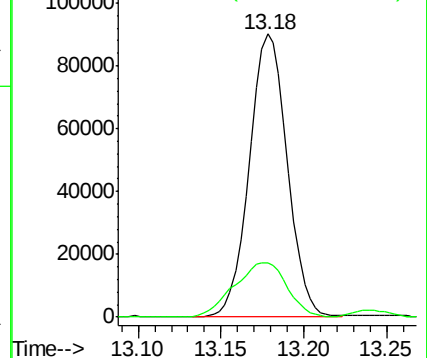
105 100

134 26.9 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.367 ug/l

RT: 13.45 min Scan# 3631

Delta R.T. 0.15 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

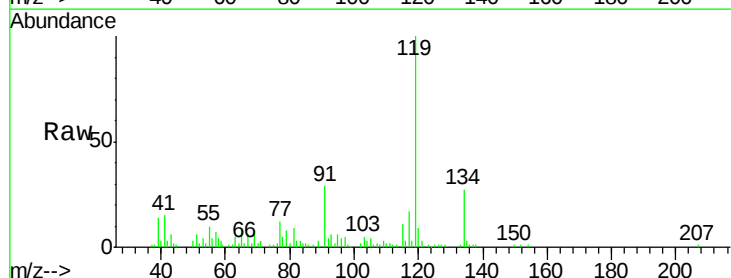
Tgt Ion:119 Resp: 56403

Ion Ratio Lower Upper

119 100

134 27.0 12.7 38.0

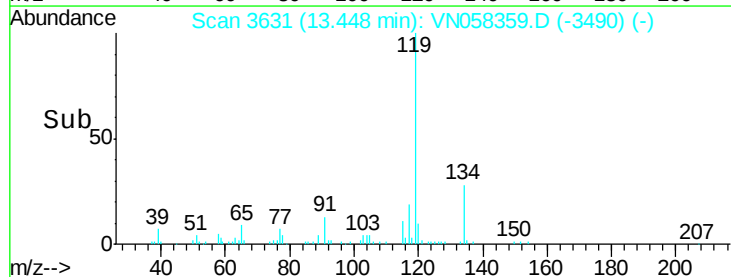
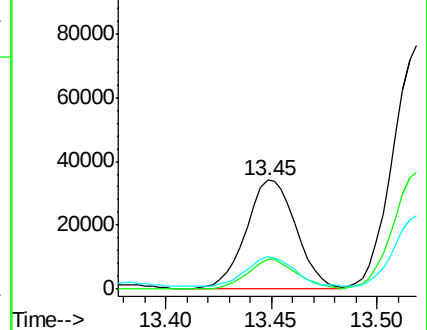
91 25.6 12.3 36.8

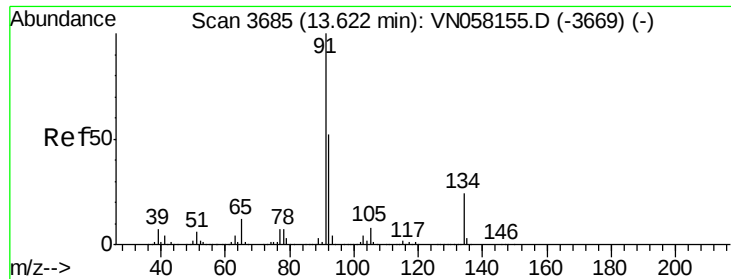


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 6.817 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058359.D

Acq: 25 Sep 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

TWP-9DL

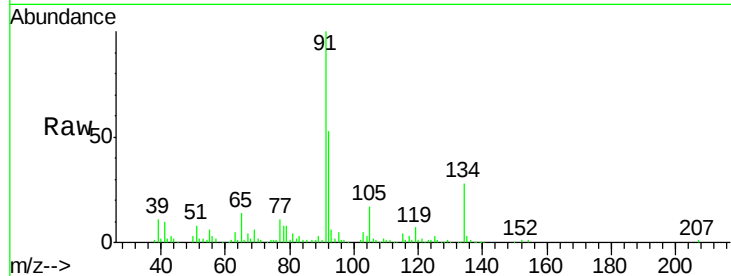
Tot Ion: 91 Resp: 108258

Ion Ratio Lower Upper

91 100

92 45.8 25.7 77.0

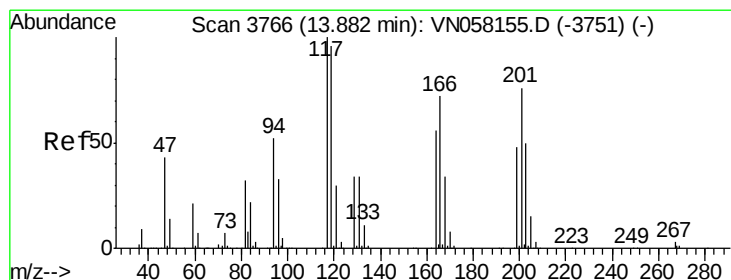
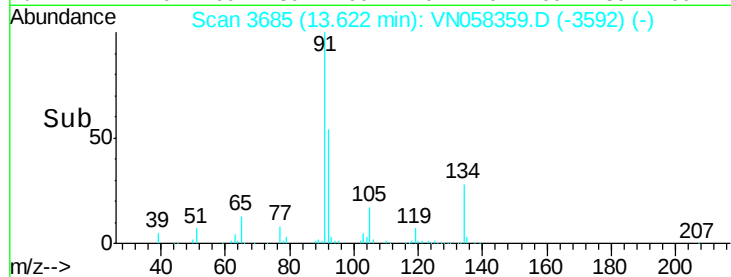
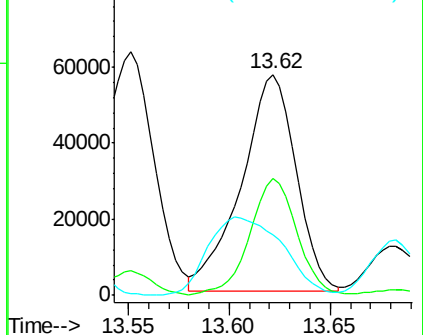
134 48.9 11.8 35.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 18.043 ug/l

RT: 13.90 min Scan# 3771

Delta R.T. 0.02 min

Lab File: VN058359.D

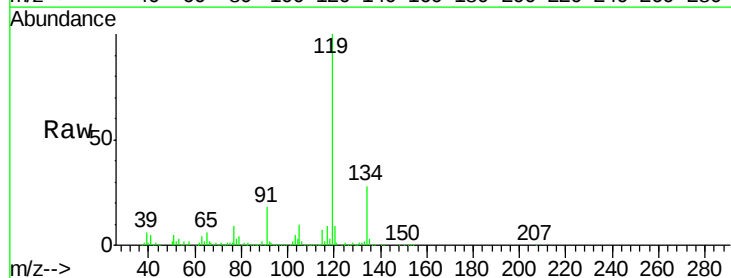
Acq: 25 Sep 2019 12:14

Tgt Ion: 117 Resp: 47383

Ion Ratio Lower Upper

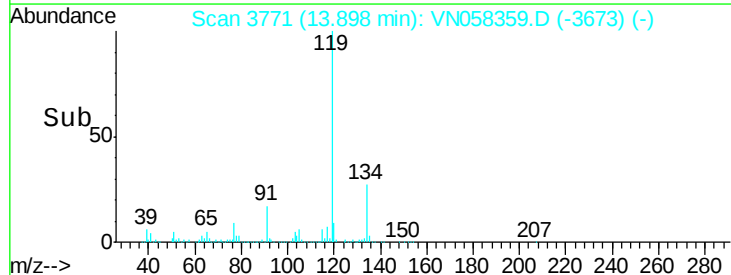
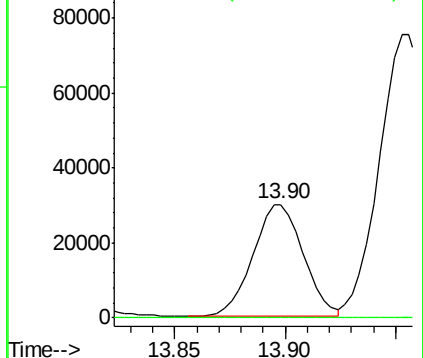
117 100

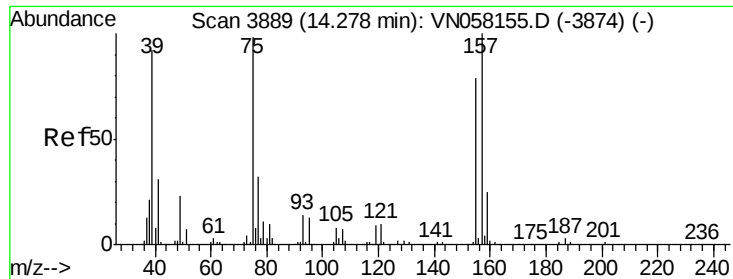
201 0.0 37.5 112.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

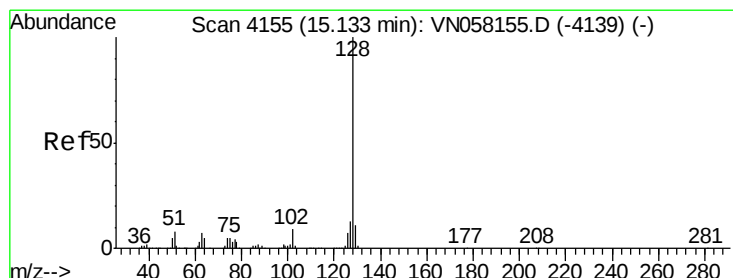
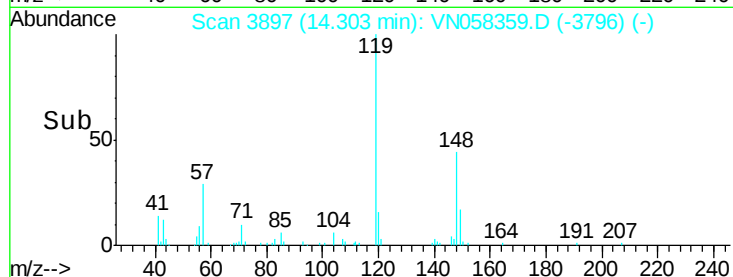
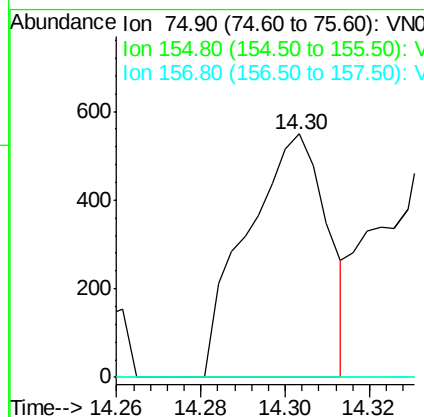
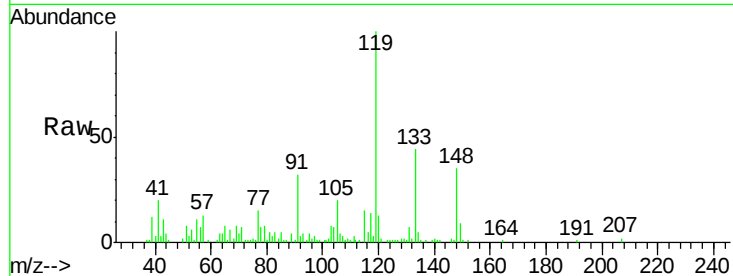




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.632 ug/l
 RT: 14.30 min Scan# 3897
 Delta R.T. 0.03 min
 Lab File: VN058359.D
 Acq: 25 Sep 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 TWP-9DL

Tot Ion: 75 Resp: 728
 Ion Ratio Lower Upper
 75 100
 155 0.0 38.3 114.8#
 157 0.0 48.0 144.0#



#95
 Naphthalene
 Concen: 0.394 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN058359.D
 Acq: 25 Sep 2019 12:14

Tgt Ion: 128 Resp: 5741
 Ion Ratio Lower Upper
 128 100
 127 9.7 10.2 15.2#
 129 0.0 8.6 12.8#

