

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112119\
 Data File : VN059338.D
 Acq On : 21 Nov 2019 16:12
 Operator : JC/SP
 Sample : K5957-02ME
 Misc : 5.85µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 22 06:03:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	349747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	535373	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	475759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	407104	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	196286	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	
35) Dibromofluoromethane	7.57	113	156176	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
50) Toluene-d8	10.08	98	740276	57.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.96%	
62) 4-Bromofluorobenzene	12.39	95	998424	223.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	447.26%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.70	59	3934	4.682	ug/l #	73
16) Acetone	3.80	43	390	0.207	ug/l #	42
17) Carbon Disulfide	4.01	76	3717	0.453	ug/l #	81
30) Chloroform	7.34	83	2789	0.247	ug/l	90
31) Cyclohexane	7.63	56	38057	5.150	ug/l #	91
36) 1,1-Dichloropropene	7.64	75	25083	4.538	ug/l #	50
38) Carbon Tetrachloride	7.64	117	33328	6.299	ug/l #	15
39) Methylcyclohexane	9.07	83	255432	38.326	ug/l	98
43) Isopropyl Acetate	8.12	43	8863	0.976	ug/l #	54
44) Trichloroethene	8.83	130	1133	0.276	ug/l	74
45) 1,2-Dichloropropane	9.07	63	2319	0.536	ug/l #	1
47) Bromodichloromethane	9.35	83	3796	0.714	ug/l #	62
48) Methyl methacrylate	9.13	41	16280	3.944	ug/l #	30
51) 4-Methyl-2-Pentanone	10.08	43	59314	11.163	ug/l #	53
55) 1,1,2-Trichloroethane	10.52	97	320835	84.600	ug/l #	18
56) Ethyl methacrylate	10.43	69	150541	24.666	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.69	63	101	22.822	ug/l #	49
59) 2-Hexanone	10.72	43	1242361	319.309	ug/l #	28
60) Dibromochloromethane	10.82	129	2324	0.582	ug/l	65
61) 1,2-Dibromoethane	11.00	107	1454	0.368	ug/l #	1
64) Tetrachloroethene	10.63	164	3678	1.000	ug/l	95
65) Chlorobenzene	11.54	112	109378	10.692	ug/l #	42
67) Ethyl Benzene	11.51	91	1558570	85.329	ug/l	100
68) m/p-Xylenes	11.63	106	1354054	199.506	ug/l	98
69) o-Xylene	11.95	106	21594	3.323	ug/l #	1
70) Styrene	11.96	104	3099	0.302	ug/l #	26
71) Bromoform	12.41	173	1034	0.367	ug/l #	1
73) Isopropylbenzene	12.25	105	4587083	137.546	ug/l	86
74) N-amyl acetate	12.05	43	3429530	255.883	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.47	83	582147	52.769	ug/l #	25
76) 1,2,3-Trichloropropane	12.60	75	106598	11.334	ug/l #	100
77) Bromobenzene	12.51	156	4269	0.528	ug/l #	1
78) n-propylbenzene	12.60	91	7616554	201.622	ug/l #	47
79) 2-Chlorotoluene	12.69	91	2215204	95.536	ug/l #	41

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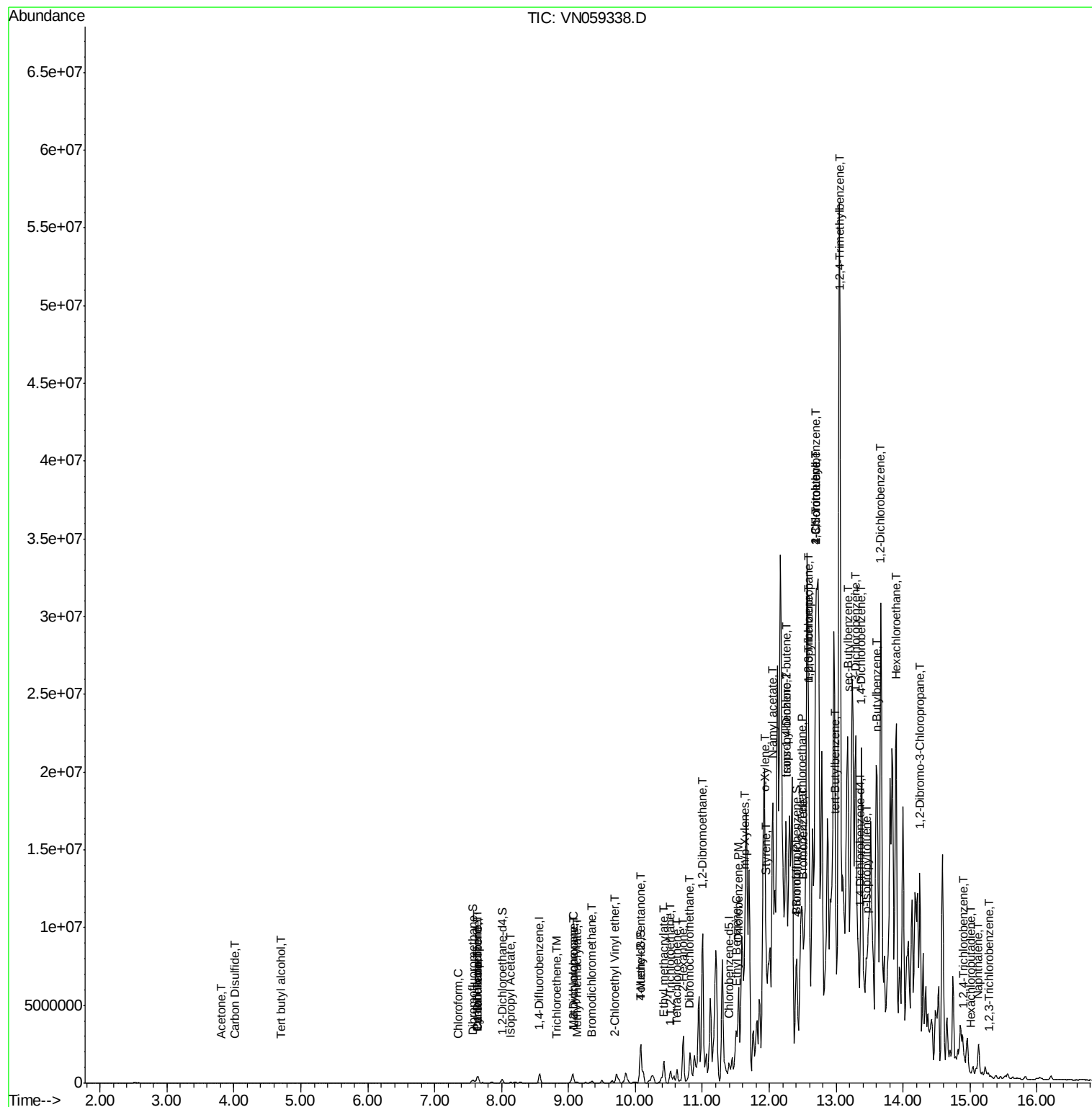
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	12.69	105	7536813	268.840	ug/l	84
81) trans-1,4-Dichloro-2-buten	12.25	75	61454	16.343	ug/l #	5
82) 4-Chlorotoluene	12.69	91	2219044	92.481	ug/l #	42
83) tert-Butylbenzene	13.00	119	1066168	45.029	ug/l	92
84) 1,2,4-Trimethylbenzene	13.05	105	11549461	420.561	ug/l #	42
85) sec-Butylbenzene	13.18	105	5798334	182.204	ug/l #	32
86) p-Isopropyltoluene	13.45	119	1828718	64.577	ug/l	96
87) 1,3-Dichlorobenzene	13.29	146	2969	0.206	ug/l #	60
88) 1,4-Dichlorobenzene	13.37	146	6122	0.430	ug/l #	1
89) n-Butylbenzene	13.62	91	6262034	252.077	ug/l #	50
90) Hexachloroethane	13.90	117	1165847	217.386	ug/l #	9
91) 1,2-Dichlorobenzene	13.66	146	4829	0.346	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	14.25	75	54977	23.440	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	6949	3.693	ug/l #	1
94) Hexachlorobutadiene	15.01	225	1087	0.216	ug/l	86
95) Naphthalene	15.13	128	1618896	66.343	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	7697	2.772	ug/l #	1

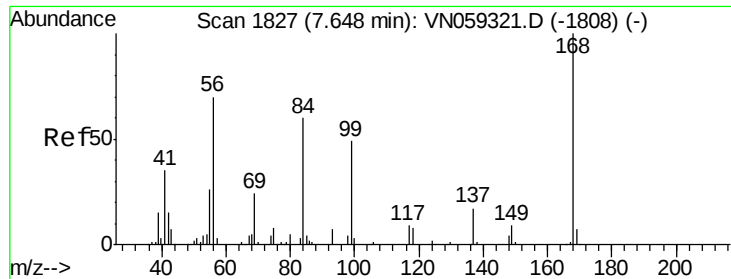
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.01 min

Lab File: VN059338.D

Acq: 21 Nov 2019 16:12

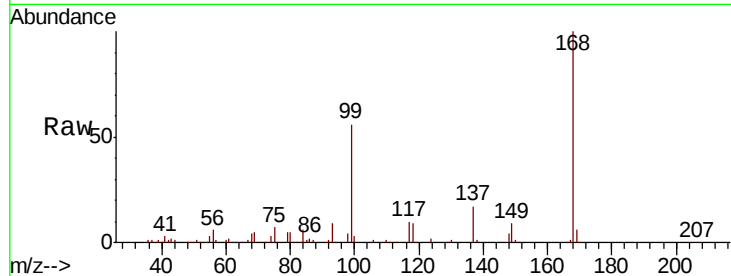
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 349747

Ion Ratio Lower Upper

168 100

99 56.0 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

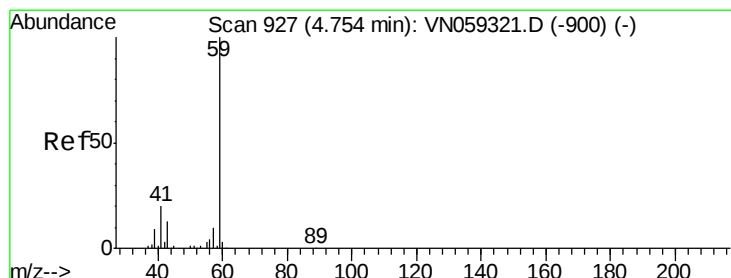
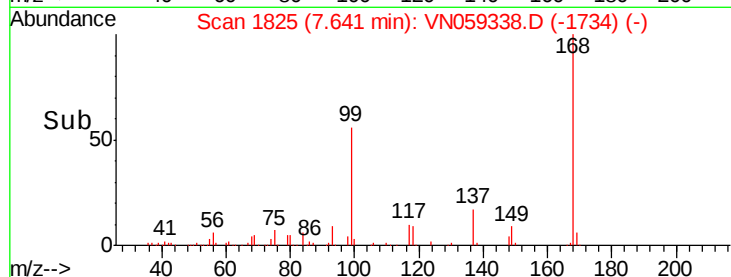
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.682 ug/l

RT: 4.70 min Scan# 911

Delta R.T. -0.05 min

Lab File: VN059338.D

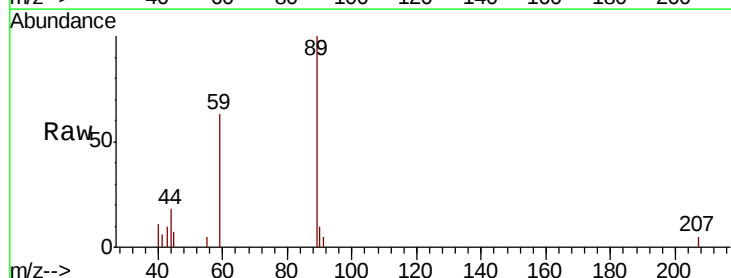
Acq: 21 Nov 2019 16:12

Tgt Ion: 59 Resp: 3934

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

2500

2000

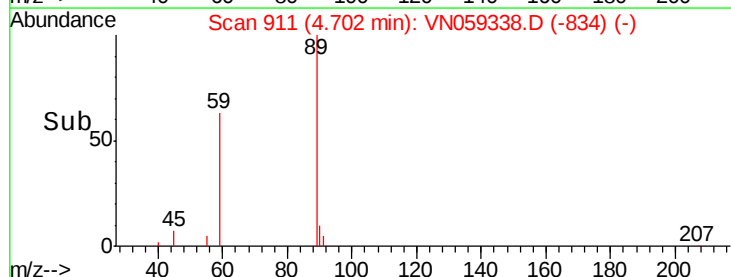
1500

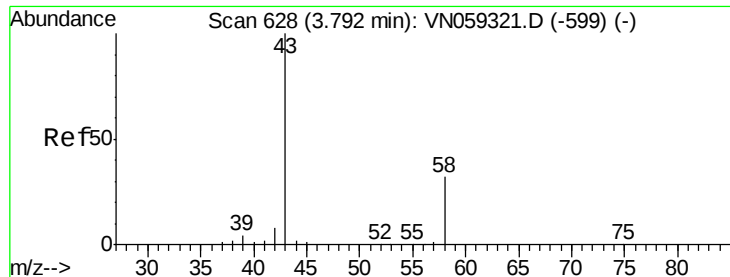
1000

500

0

Time-->





#16

Acetone

Concen: 0.207 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN059338.D

Acq: 21 Nov 2019 16:12

Instrument :

MSVOA_N

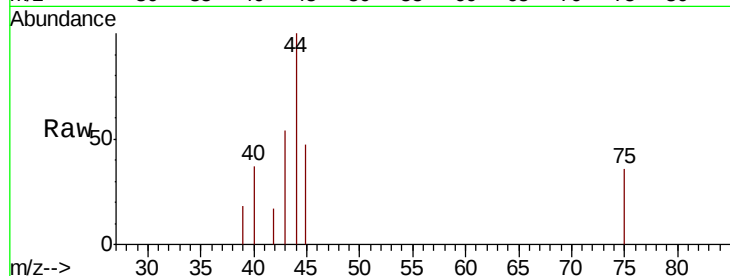
ClientSampled :

Tot Ion: 43 Resp: 390

Ion Ratio Lower Upper

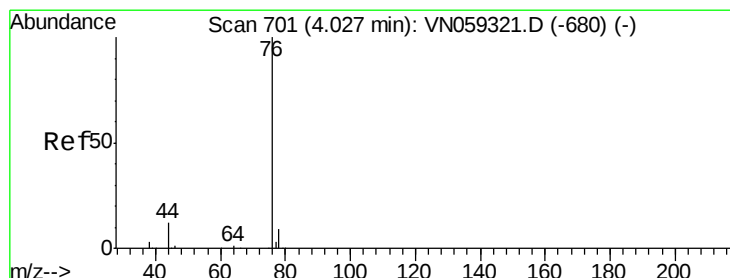
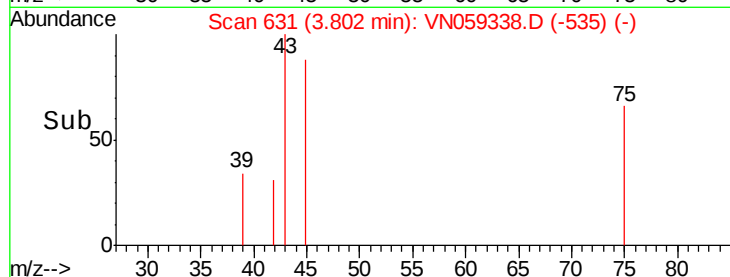
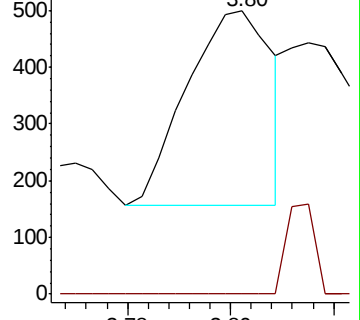
43 100

58 0.0 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.453 ug/l

RT: 4.01 min Scan# 696

Delta R.T. -0.02 min

Lab File: VN059338.D

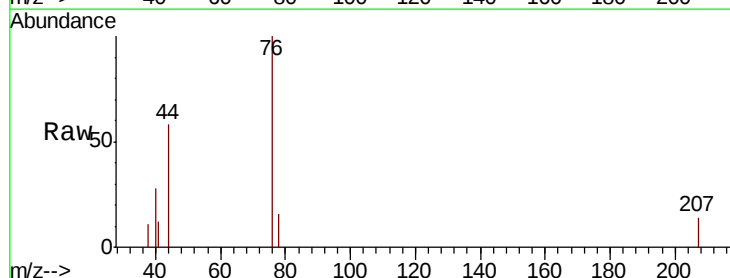
Acq: 21 Nov 2019 16:12

Tgt Ion: 76 Resp: 3717

Ion Ratio Lower Upper

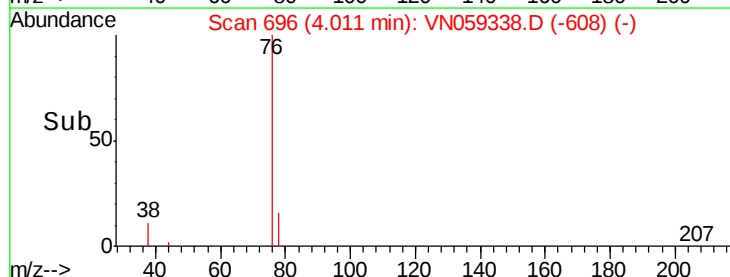
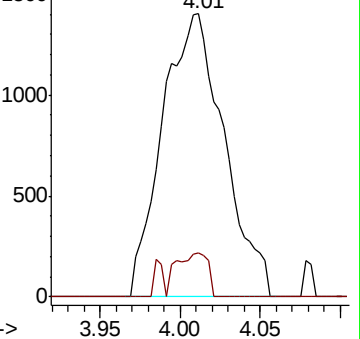
76 100

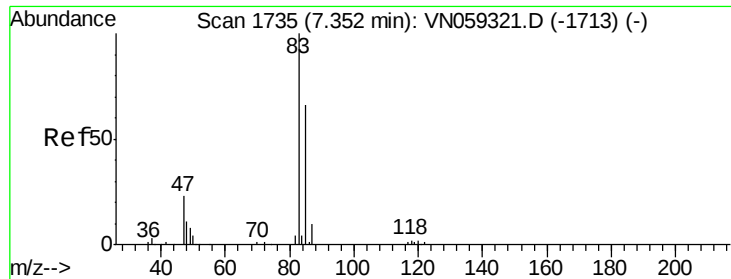
78 15.8 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

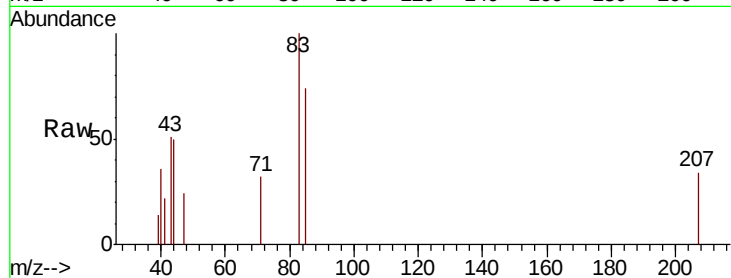




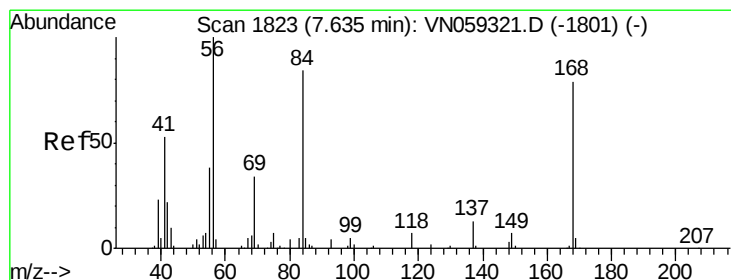
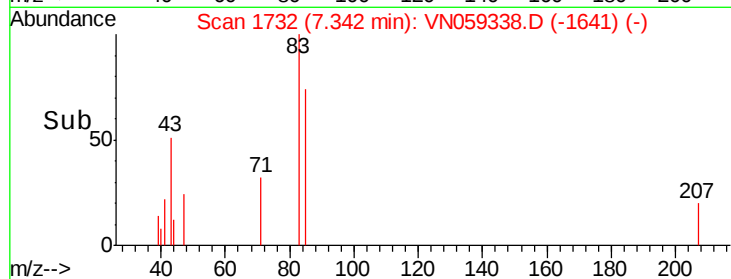
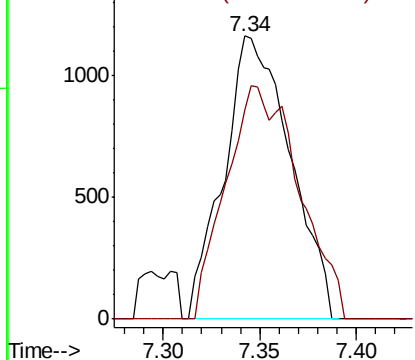
#30
Chloroform
Concen: 0.247 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VN059338.D
Acq: 21 Nov 2019 16:12

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 2789
Ion Ratio Lower Upper
83 100
85 73.7 52.7 79.1

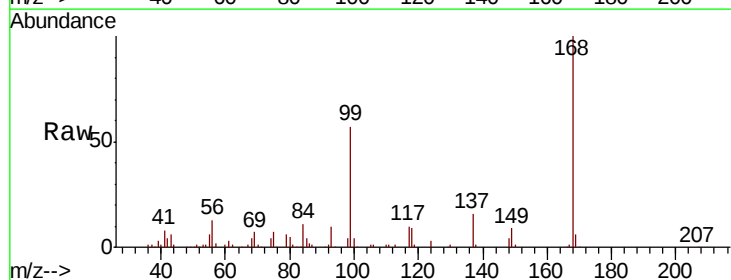


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO

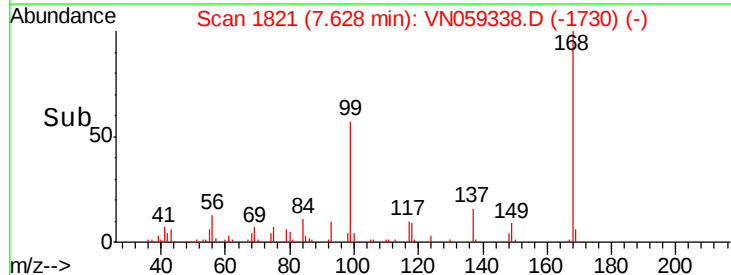
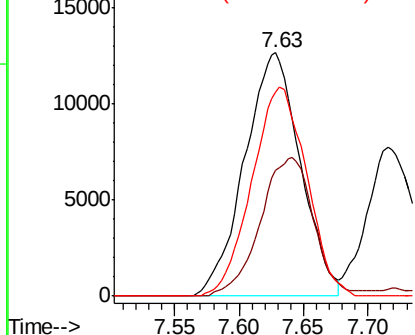


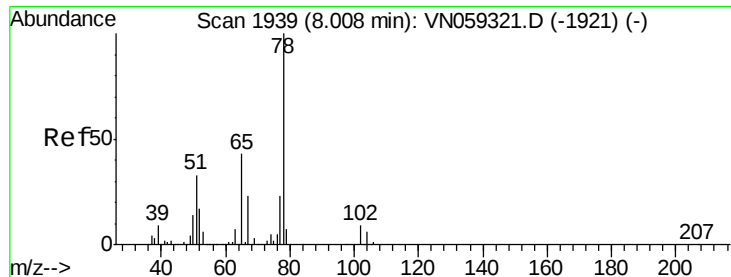
#31
Cyclohexane
Concen: 5.150 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VN059338.D
Acq: 21 Nov 2019 16:12

Tgt Ion: 56 Resp: 38057
Ion Ratio Lower Upper
56 100
69 51.8 26.6 40.0#
84 83.7 67.0 100.4



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

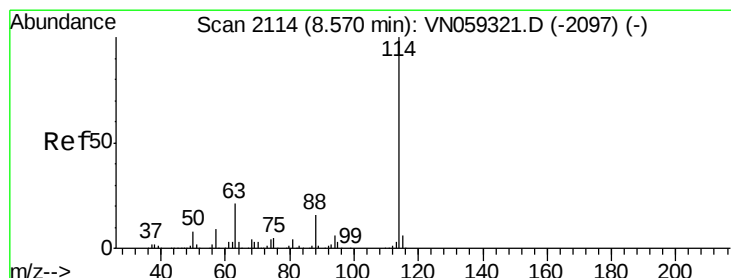
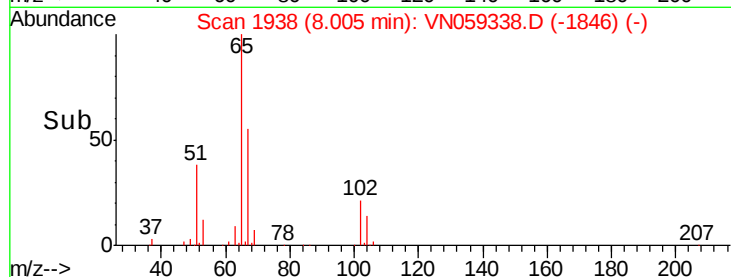
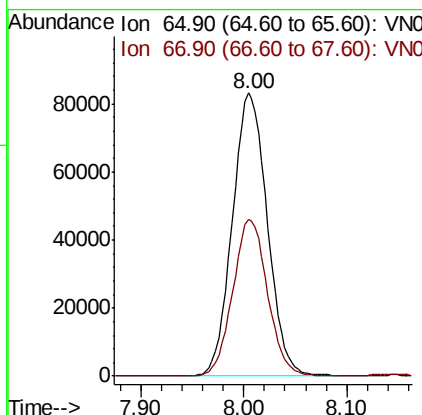
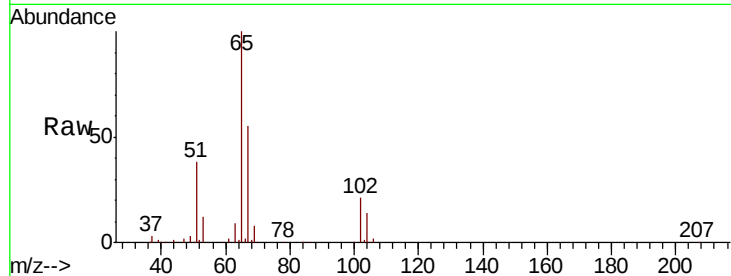




#33
 1,2-Dichloroethane-d4
 Concen: 46.775 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059338.D
 Acq: 21 Nov 2019 16:12

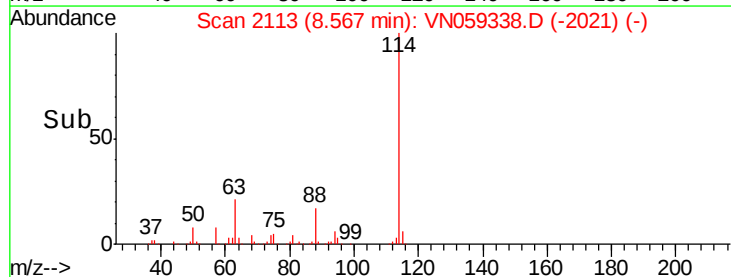
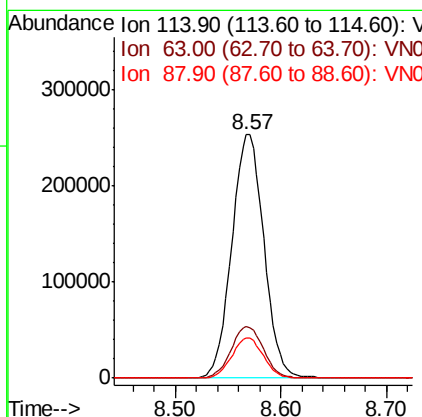
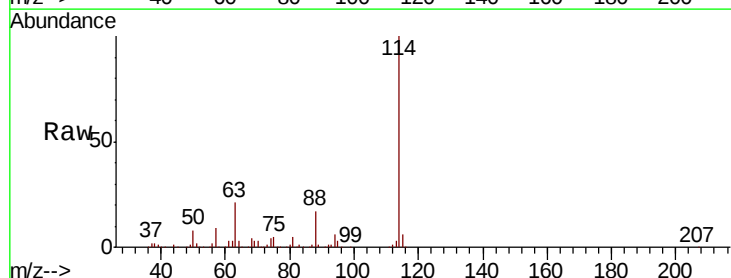
Instrument :
 MSVOA_N
 ClientSampleId :

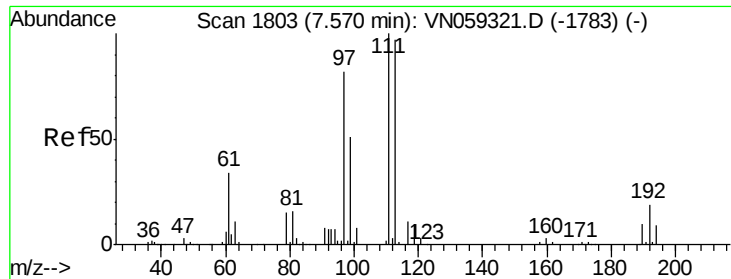
Tot Ion: 65 Resp: 196286
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059338.D
 Acq: 21 Nov 2019 16:12

Tgt Ion: 114 Resp: 535373
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.2
 88 16.6 0.0 32.2

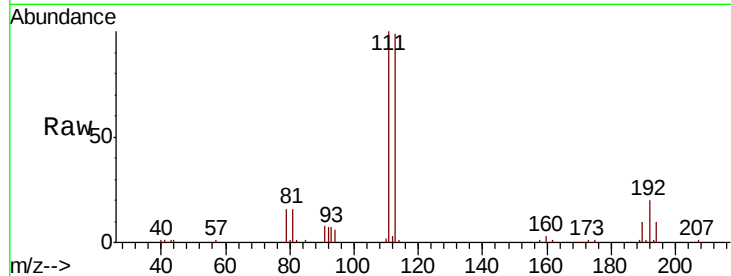




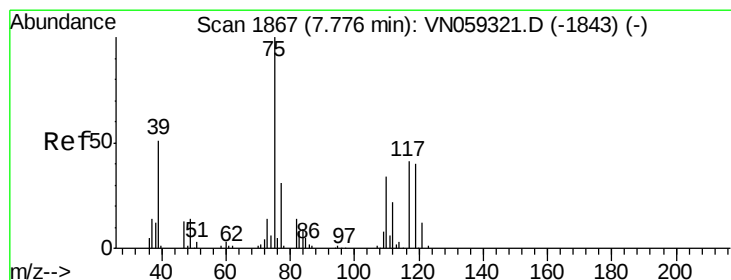
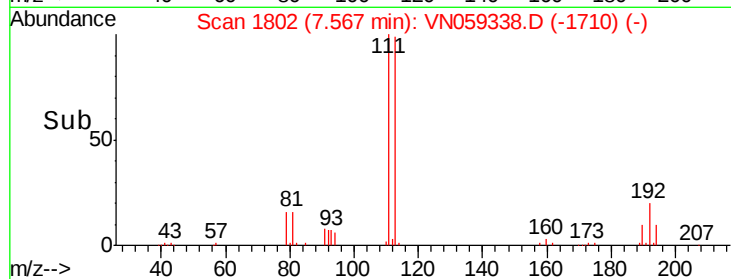
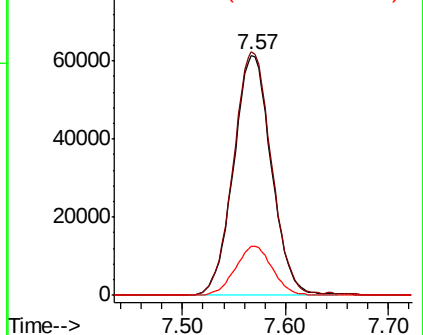
#35
 Dibromofluoromethane
 Concen: 48.624 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059338.D
 Acq: 21 Nov 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 156176
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.7 124.1
 192 20.0 16.3 24.5

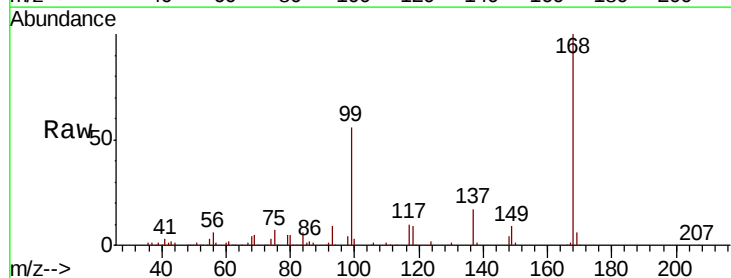


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

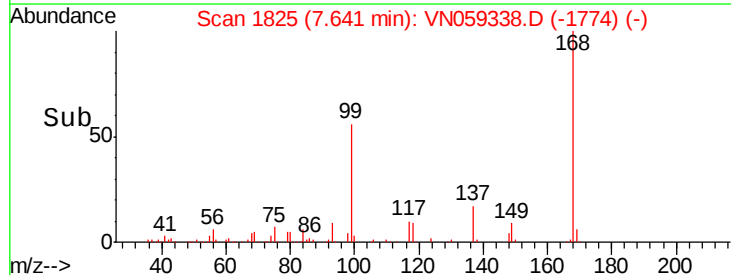
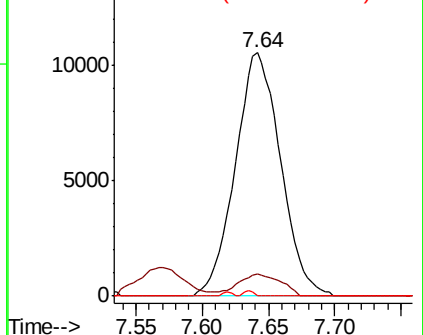


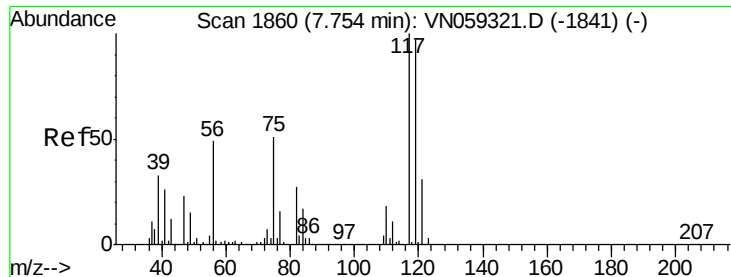
#36
 1,1-Dichloropropene
 Concen: 4.538 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.14 min
 Lab File: VN059338.D
 Acq: 21 Nov 2019 16:12

Tgt Ion: 75 Resp: 25083
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.0 51.0#
 77 0.5 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.299 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN059338.D

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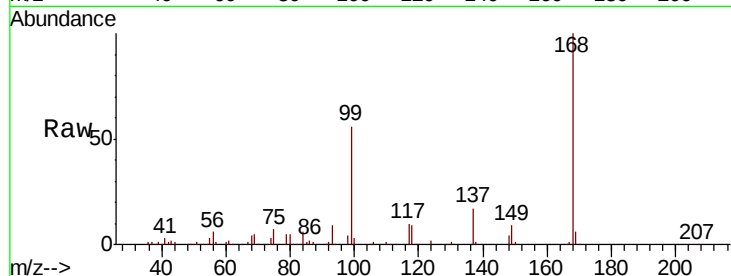
Tot Ion:117 Resp: 33328

Ion Ratio Lower Upper

117 100

119 4.5 77.0 115.4#

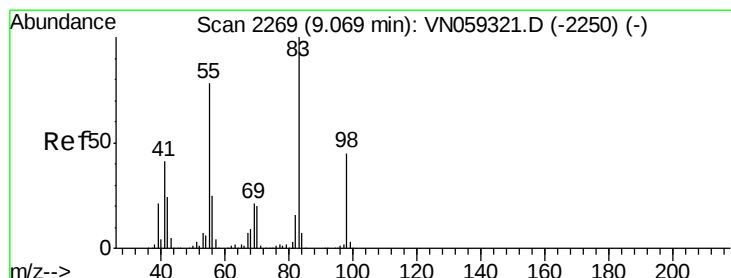
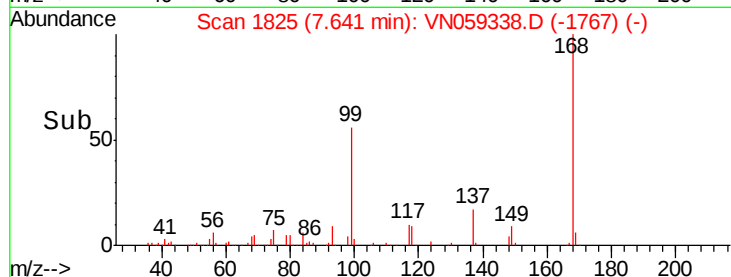
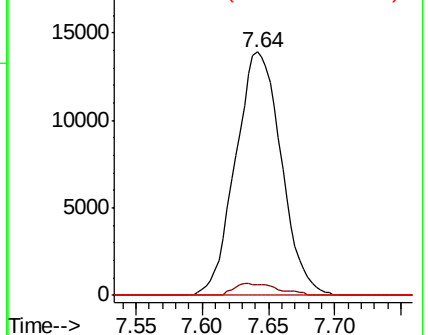
121 0.0 24.4 36.6#



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: 38.326 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VN059338.D

Acq: 21 Nov 2019 16:12

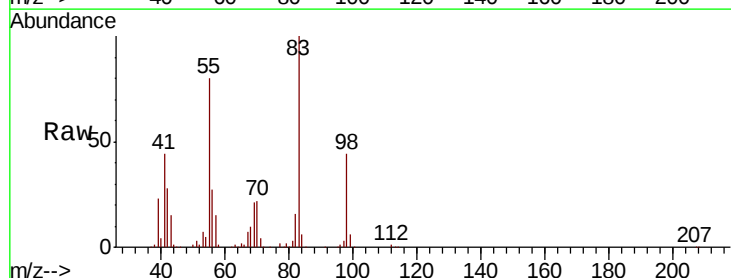
Tgt Ion: 83 Resp: 255432

Ion Ratio Lower Upper

83 100

55 80.0 62.3 93.5

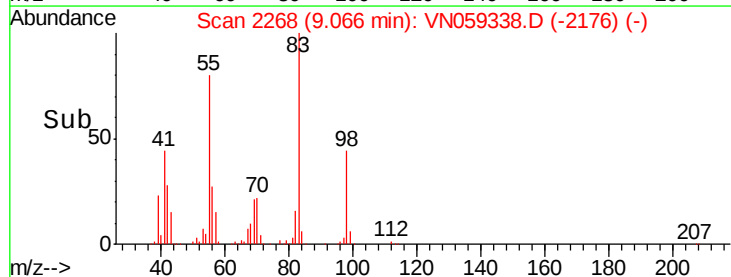
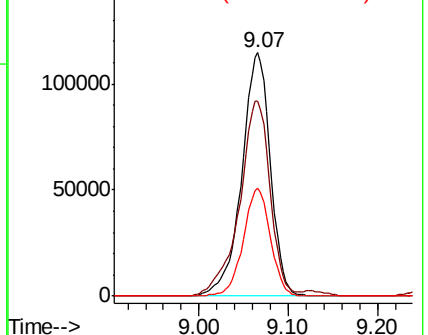
98 44.4 36.0 54.0

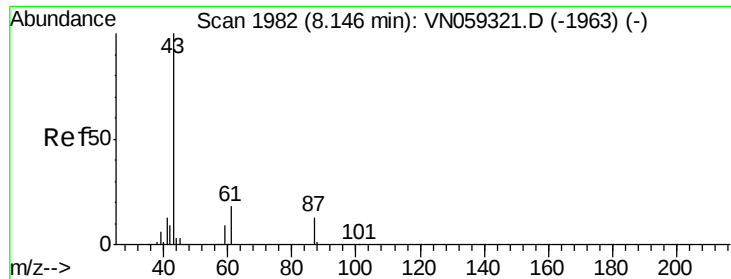


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#43

Isopropyl Acetate

Concen: 0.976 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.02 min

Lab File: VN059338.D

Acq: 21 Nov 2019 16:12

Instrument :

MSVOA_N

ClientSampled :

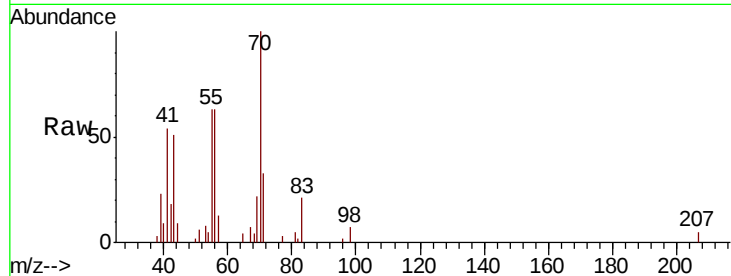
Tot Ion: 43 Resp: 8863

Ion Ratio Lower Upper

43 100

61 0.0 21.7 32.5#

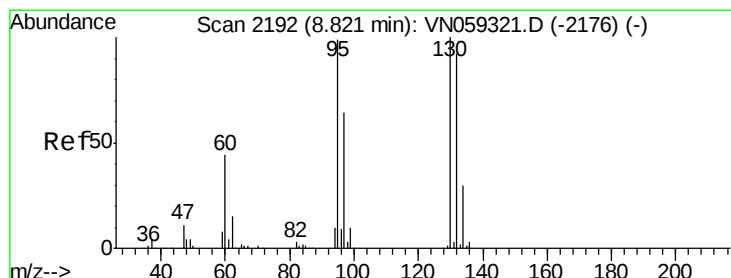
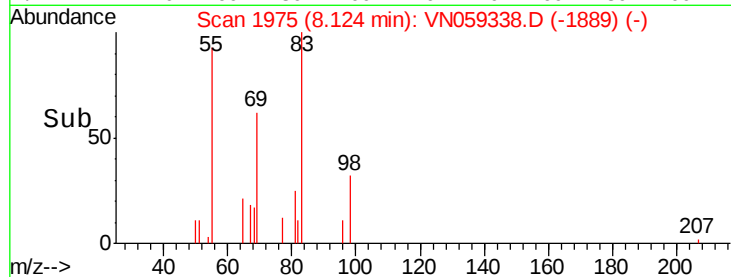
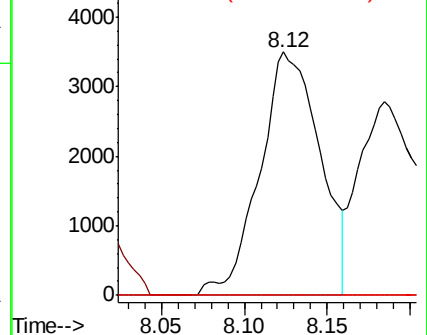
87 0.0 10.2 15.4#



Abundance Ion 43.00 (42.70 to 43.70): VN059338.D (-1975) (-)

Ion 61.00 (60.70 to 61.70): VN059338.D (-1975) (-)

Ion 87.00 (86.70 to 87.70): VN059338.D (-1975) (-)



#44

Trichloroethene

Concen: 0.276 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.01 min

Lab File: VN059338.D

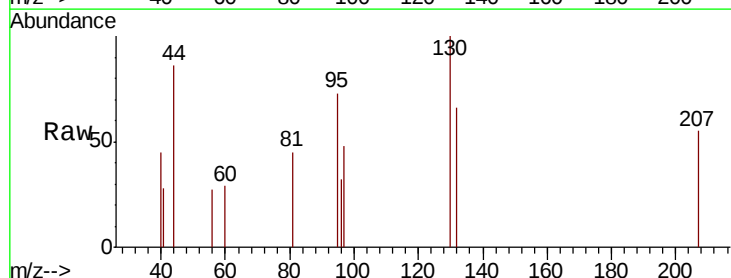
Acq: 21 Nov 2019 16:12

Tgt Ion: 130 Resp: 1133

Ion Ratio Lower Upper

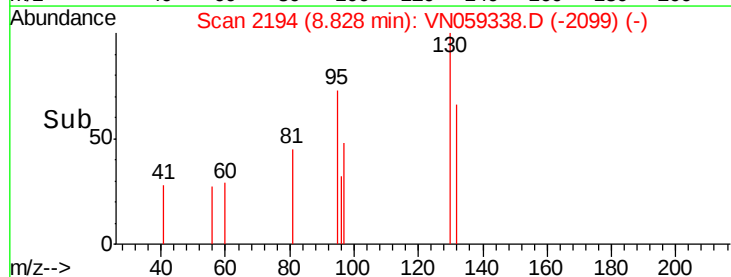
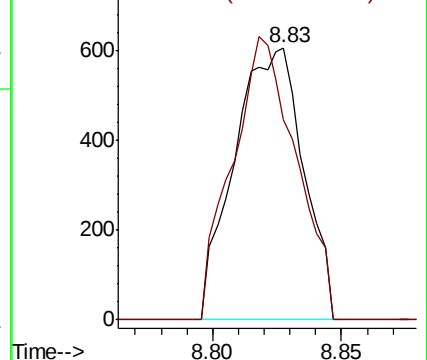
130 100

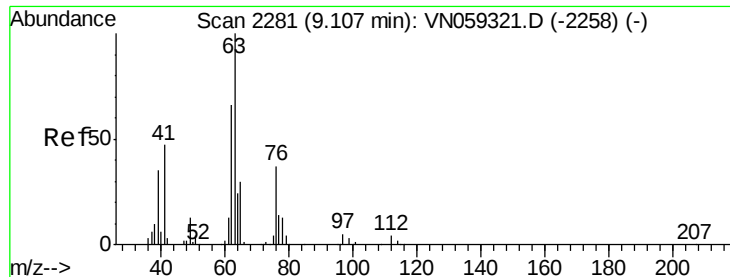
95 73.4 0.0 198.4



Abundance Ion 129.80 (129.50 to 130.50): VN059338.D (-2194) (-)

Ion 94.90 (94.60 to 95.60): VN059338.D (-2194) (-)





#45

1,2-Dichloropropane

Concen: 0.536 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. -0.04 min

Lab File: VN059338.D

Acq: 21 Nov 2019 16:12

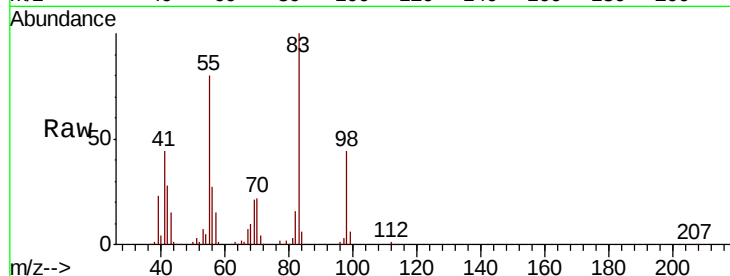
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 63 Resp: 2319

Ion Ratio Lower Upper

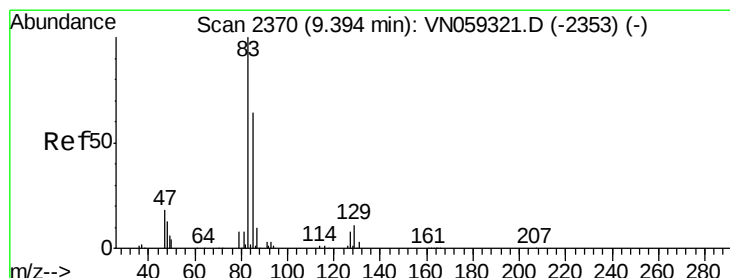
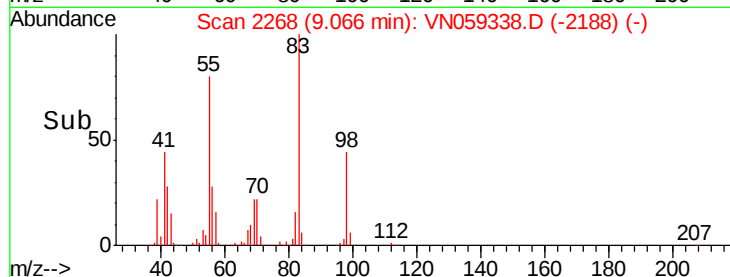
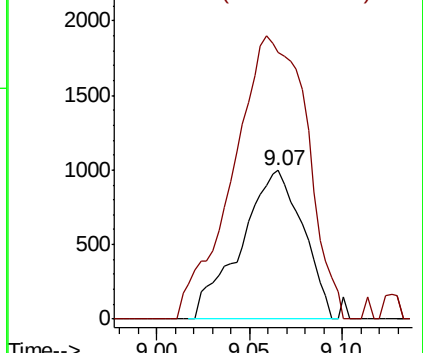
63 100

65 160.8 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#47

Bromodichloromethane

Concen: 0.714 ug/l

RT: 9.35 min Scan# 2357

Delta R.T. -0.04 min

Lab File: VN059338.D

Acq: 21 Nov 2019 16:12

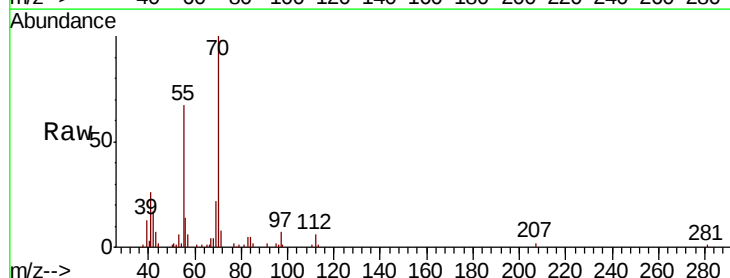
Tgt Ion: 83 Resp: 3796

Ion Ratio Lower Upper

83 100

85 33.0 51.5 77.3#

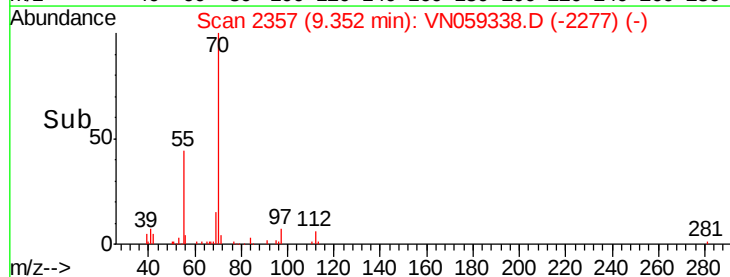
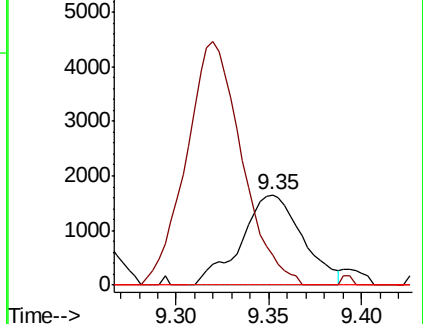
127 0.0 6.6 10.0#

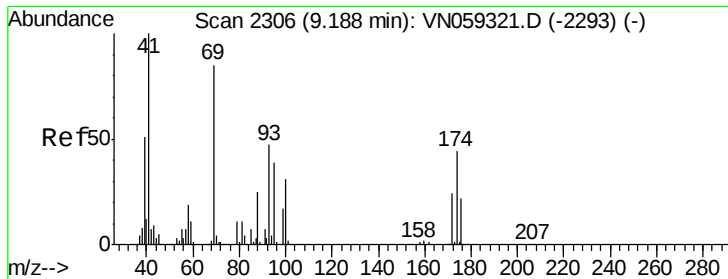


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

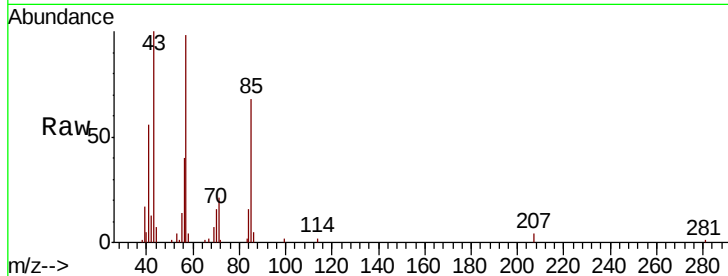




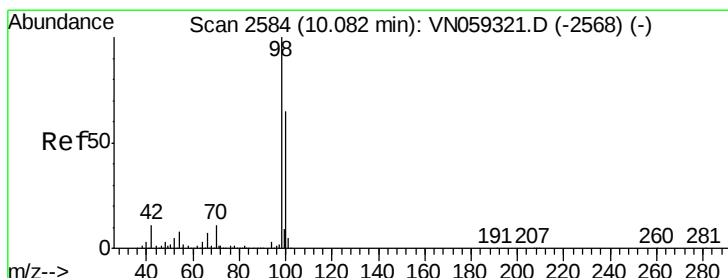
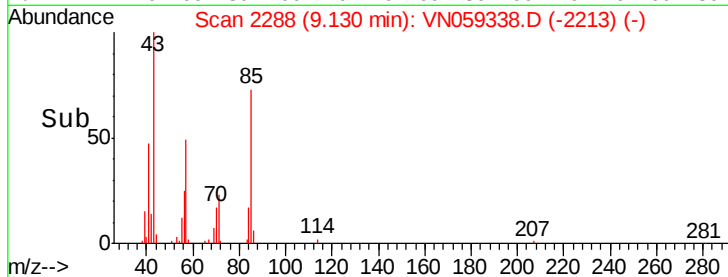
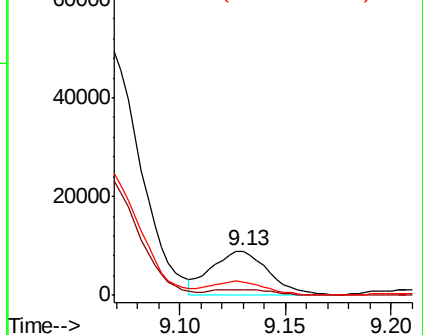
#48
Methyl methacrylate
Concen: 3.944 ug/l
RT: 9.13 min Scan# 2288
Delta R.T. -0.06 min
Lab File: VN059338.D
Acq: 21 Nov 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 16280
Ion Ratio Lower Upper
41 100
69 0.0 68.8 103.2#
39 31.4 42.1 63.1#

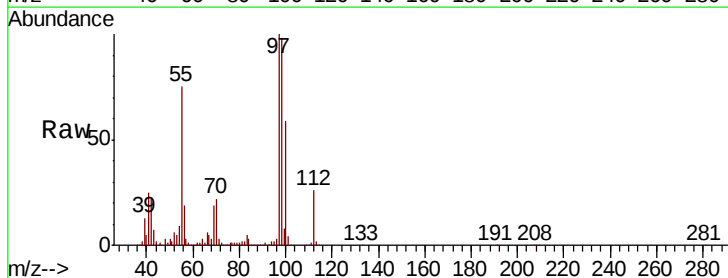


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

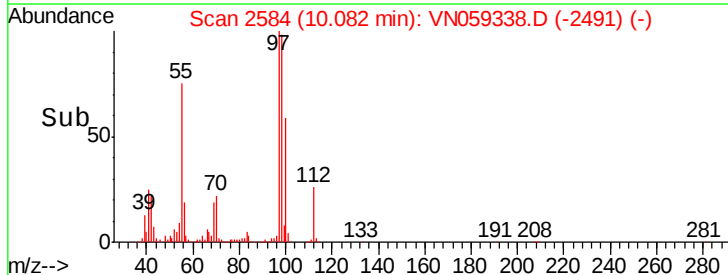
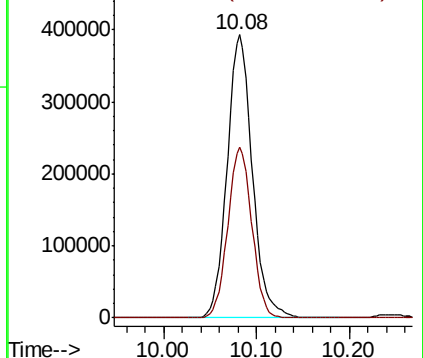


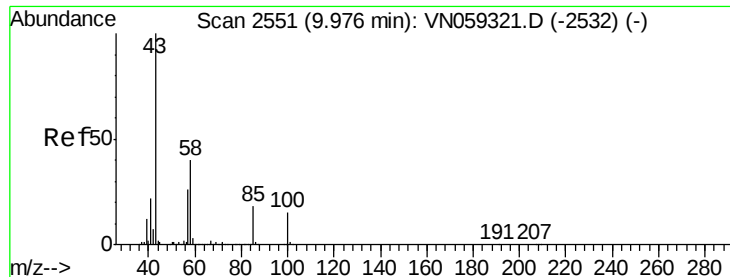
#50
Toluene-d8
Concen: 57.975 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059338.D
Acq: 21 Nov 2019 16:12

Tgt Ion: 98 Resp: 740276
Ion Ratio Lower Upper
98 100
100 57.4 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 11.163 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.10 min

Lab File: VN059338.D

Acq: 21 Nov 2019 16:12

Instrument :

MSVOA_N

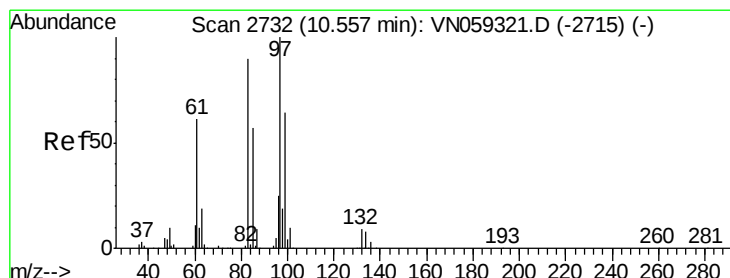
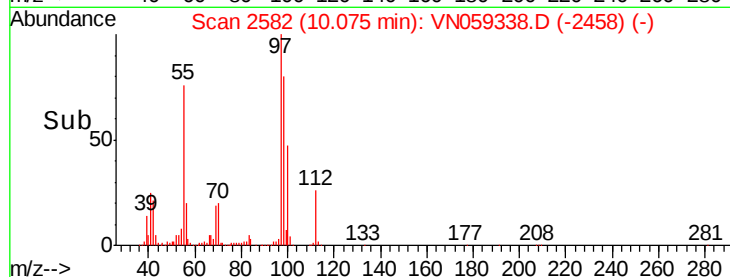
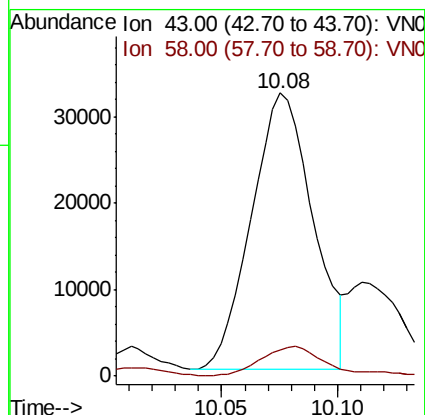
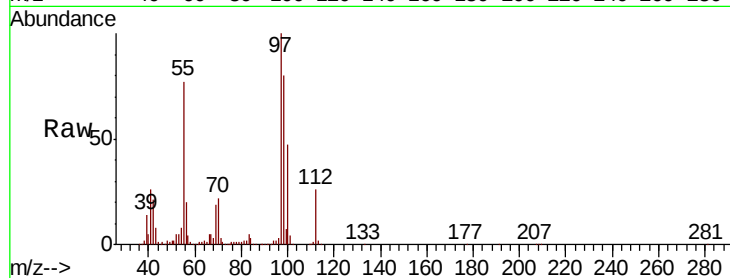
ClientSampleId :

Tot Ion: 43 Resp: 59314

Ion Ratio Lower Upper

43 100

58 10.7 31.8 47.8#



#55

1,1,2-Trichloroethane

Concen: 84.600 ug/l

RT: 10.52 min Scan# 2721

Delta R.T. -0.04 min

Lab File: VN059338.D

Acq: 21 Nov 2019 16:12

Tgt Ion: 97 Resp: 320835

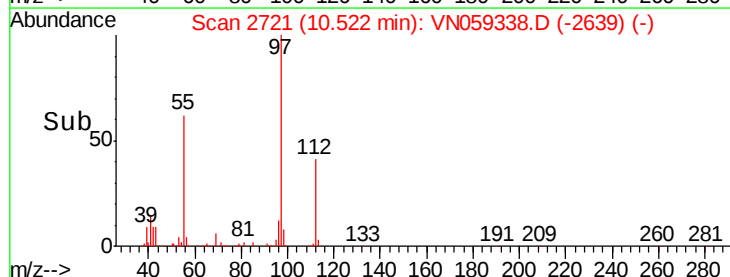
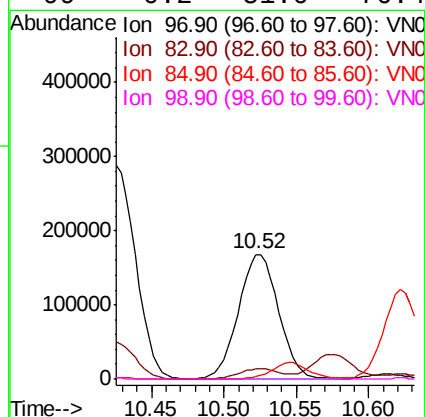
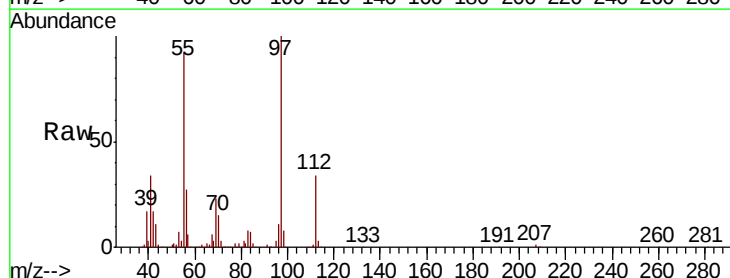
Ion Ratio Lower Upper

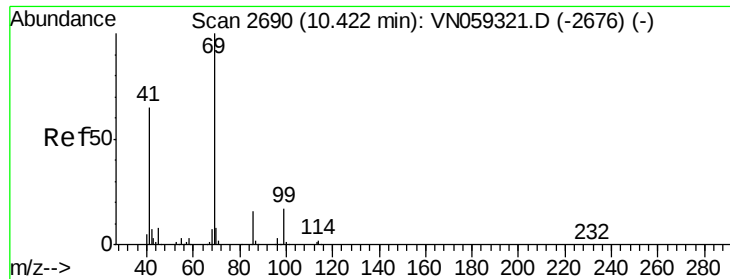
97 100

83 8.2 72.0 108.0#

85 2.1 45.8 68.6#

99 0.2 51.0 76.4#





#56

Ethyl methacrylate

Concen: 24.666 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN059338.D

Acq: 21 Nov 2019 16:12

Instrument :

MSVOA_N

ClientSampled :

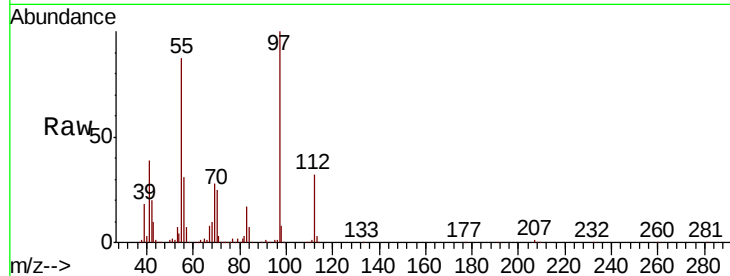
Tot Ion: 69 Resp: 150541

Ion Ratio Lower Upper

69 100

41 172.3 51.7 77.5#

39 77.1 25.2 37.8#



Abundance Ion 69.00 (68.70 to 69.70): VN059338.D (-2597) (-)

Ion 41.00 (40.70 to 41.70): VN059338.D (-2597) (-)

Ion 39.00 (38.70 to 39.70): VN059338.D (-2597) (-)

150000

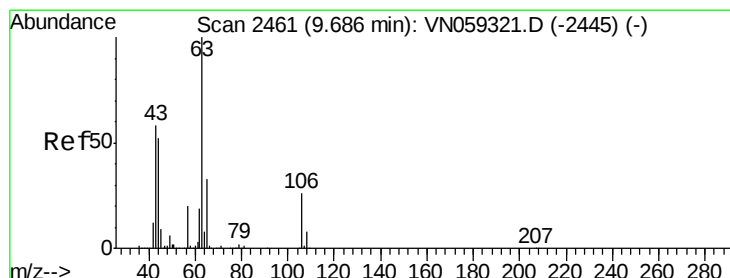
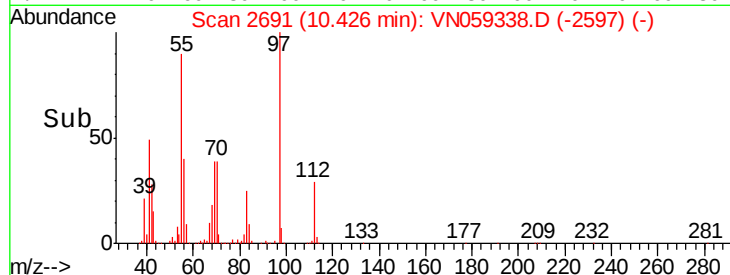
100000

50000

0

10.40 10.43 10.45 10.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 22.822 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059338.D

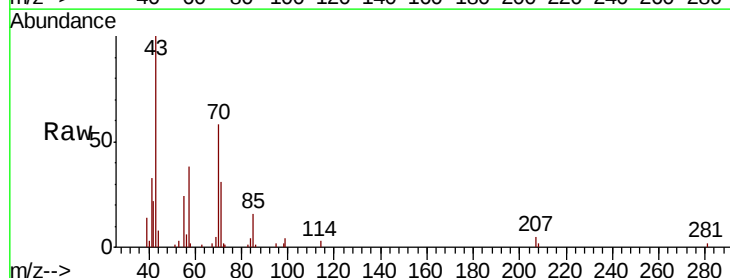
Acq: 21 Nov 2019 16:12

Tgt Ion: 63 Resp: 101

Ion Ratio Lower Upper

63 100

106 0.0 20.5 30.7#



Abundance Ion 62.90 (62.60 to 63.60): VN059338.D (-2368) (-)

Ion 105.90 (105.60 to 106.60): VN059338.D (-2368) (-)

200

150

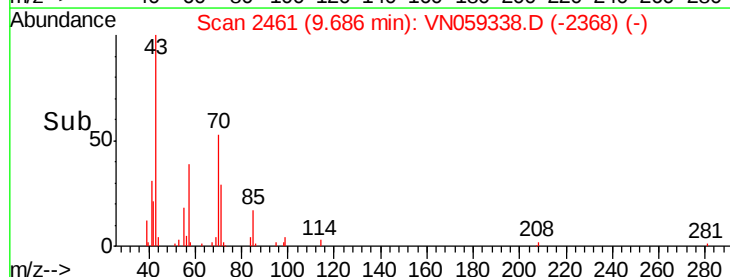
100

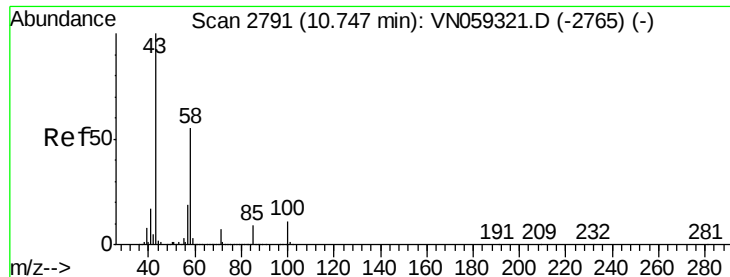
50

0

9.67 9.68 9.69

Time-->

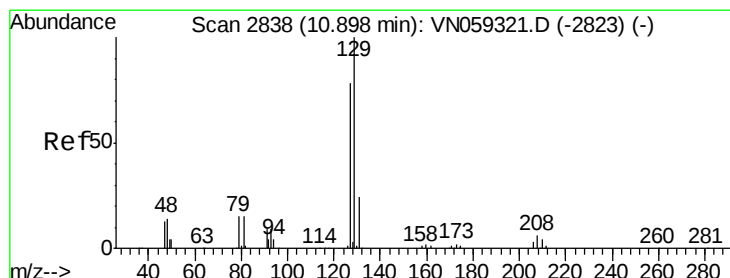
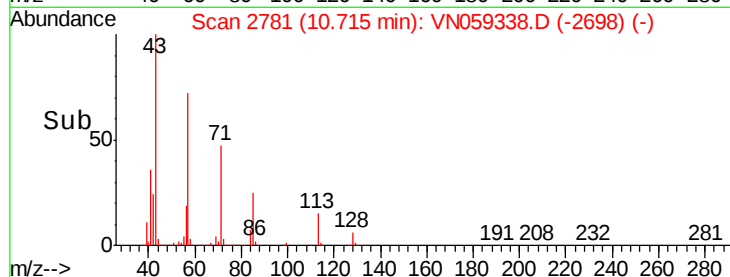
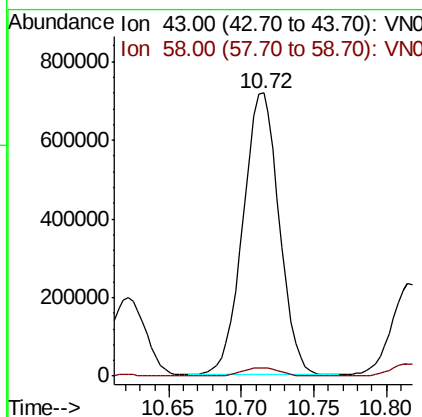
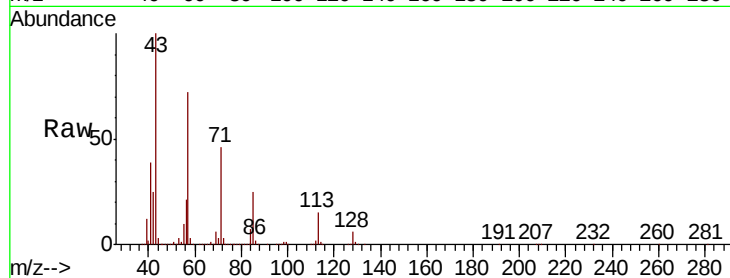




#59
2-Hexanone
Concen: 319.309 ug/l
RT: 10.72 min Scan# 2781
Delta R.T. -0.03 min
Lab File: VN059338.D
Acq: 21 Nov 2019 16:12

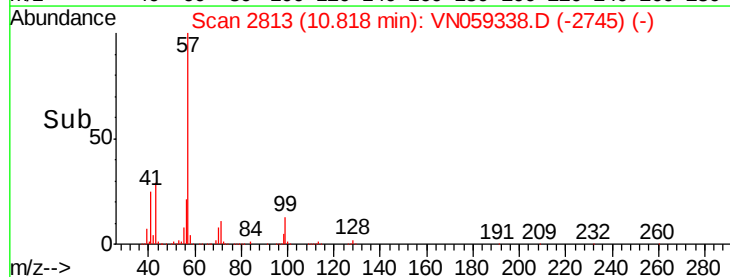
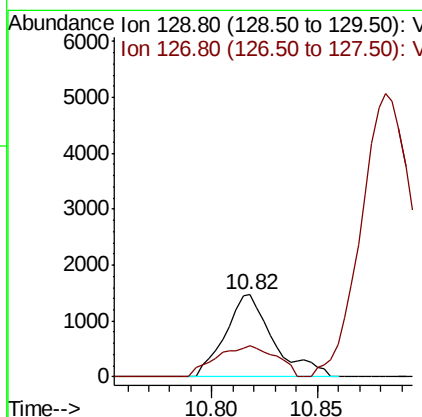
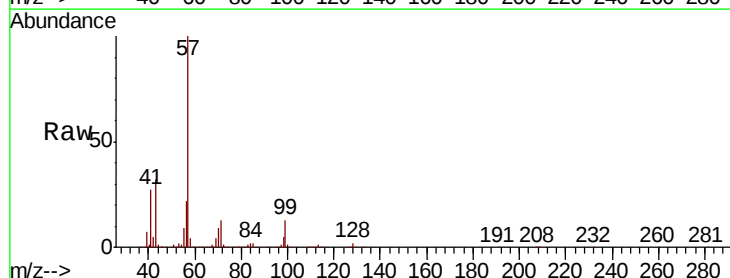
Instrument :
MSVOA_N
ClientSampled :

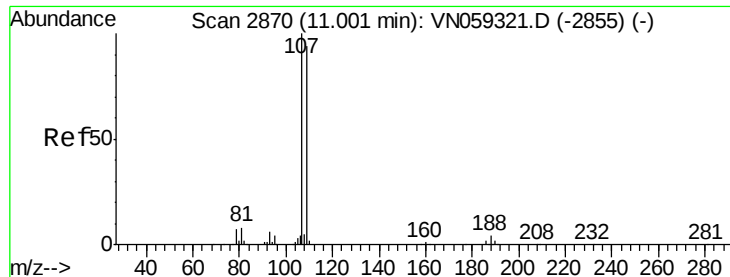
Tot Ion: 43 Resp: 1242361
Ion Ratio Lower Upper
43 100
58 3.2 27.7 83.0#



#60
Dibromochloromethane
Concen: 0.582 ug/l
RT: 10.82 min Scan# 2813
Delta R.T. -0.08 min
Lab File: VN059338.D
Acq: 21 Nov 2019 16:12

Tgt Ion: 129 Resp: 2324
Ion Ratio Lower Upper
129 100
127 47.0 38.5 115.5

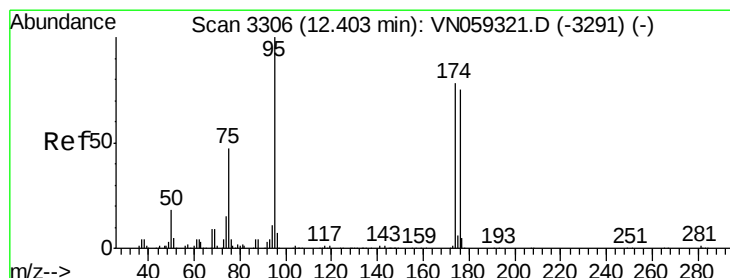
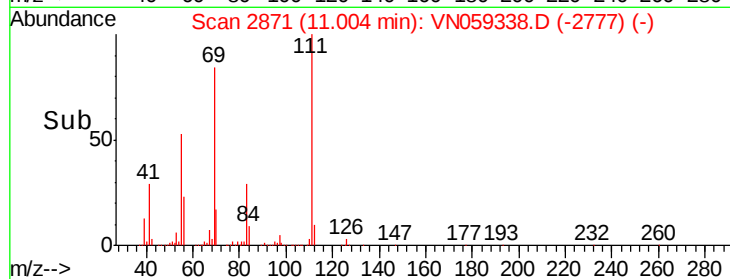
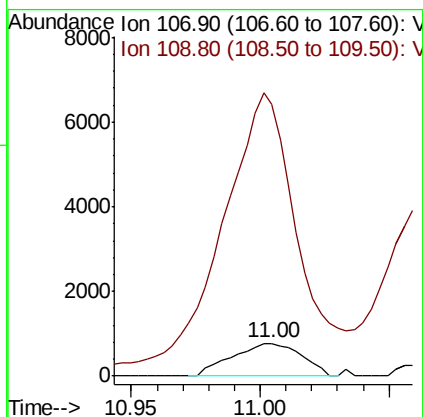
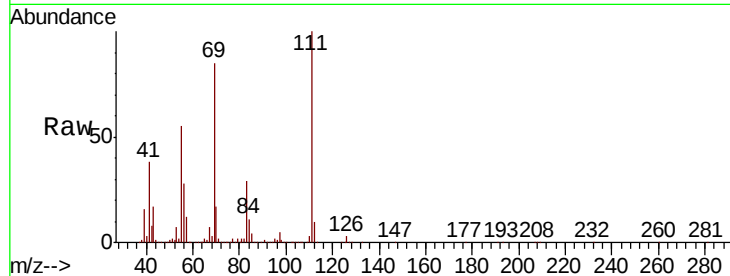




#61
 1,2-Dibromoethane
 Concen: 0.368 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN059338.D
 Acq: 21 Nov 2019 16:12

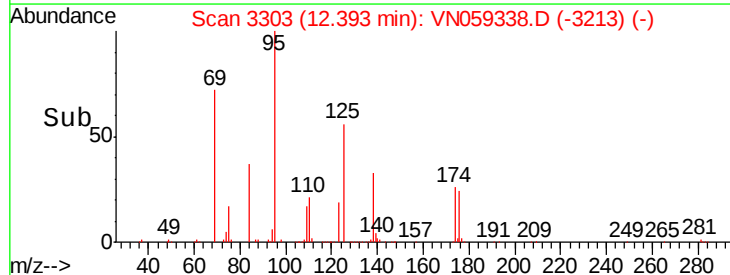
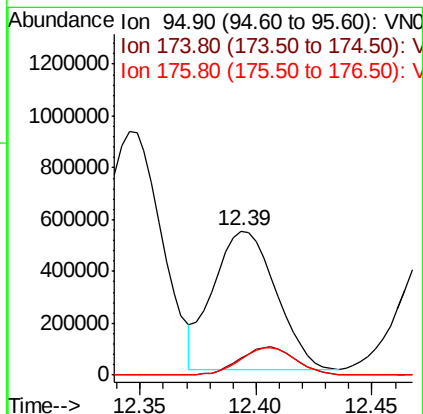
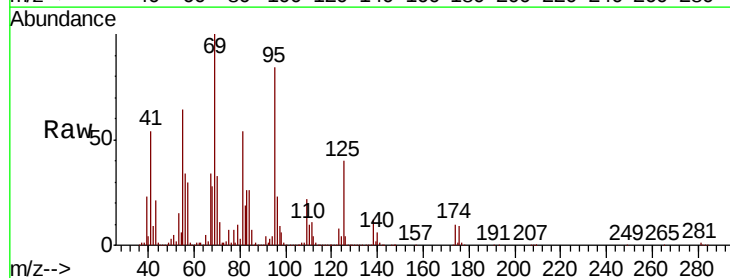
Instrument :
 MSVOA_N
 ClientSampled :

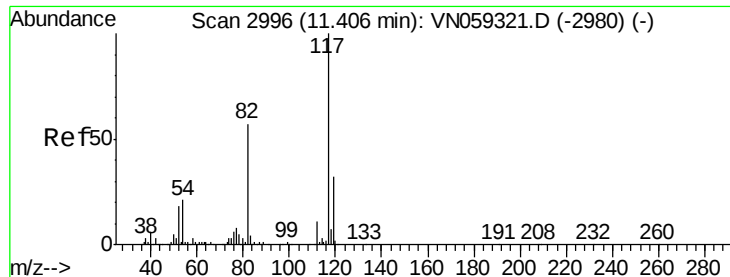
Tot Ion: 107 Resp: 1454
 Ion Ratio Lower Upper
 107 100
 109 844.0 75.4 113.2#



#62
 4-Bromofluorobenzene
 Concen: 223.626 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. -0.01 min
 Lab File: VN059338.D
 Acq: 21 Nov 2019 16:12

Tgt Ion: 95 Resp: 998424
 Ion Ratio Lower Upper
 95 100
 174 18.3 0.0 157.4
 176 17.9 0.0 151.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN059338.D

Acq: 21 Nov 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

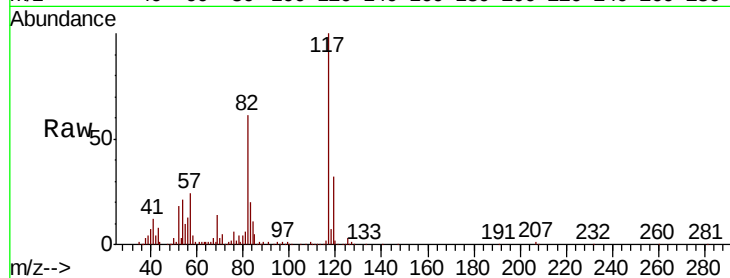
Tot Ion:117 Resp: 475759

Ion Ratio Lower Upper

117 100

82 27.8 45.7 68.5#

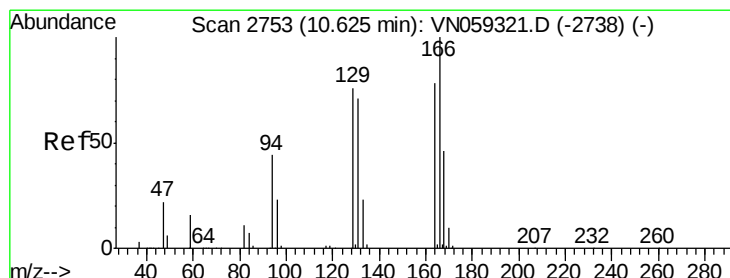
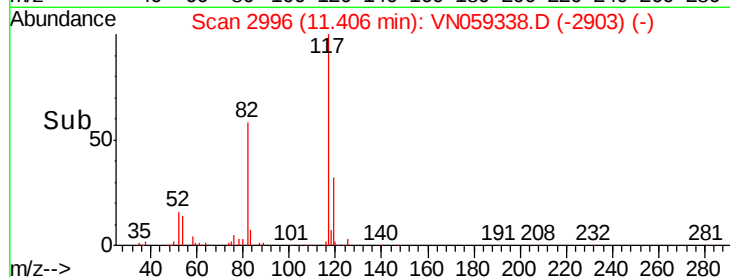
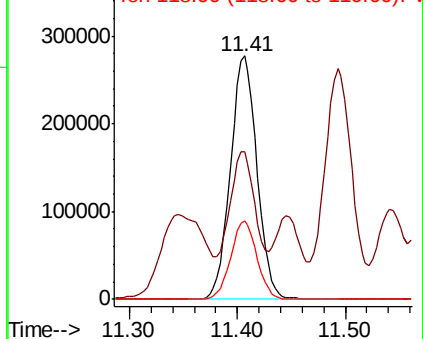
119 32.2 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 1.000 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059338.D

Acq: 21 Nov 2019 16:12

Tgt Ion:164 Resp: 3678

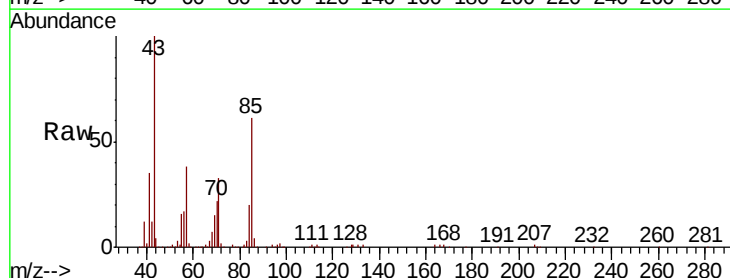
Ion Ratio Lower Upper

164 100

166 129.4 102.9 154.3

129 96.5 78.2 117.2

131 104.7 72.6 109.0

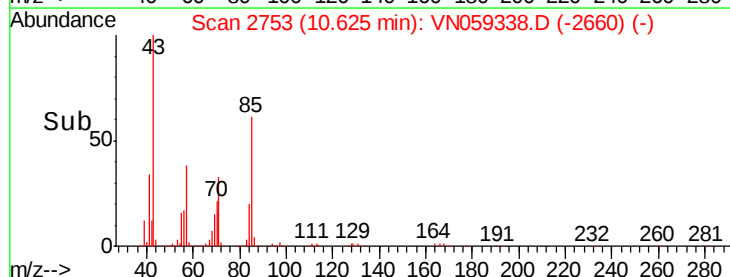
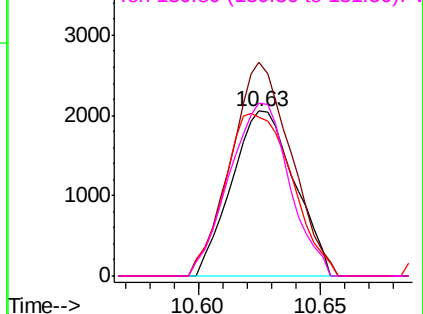


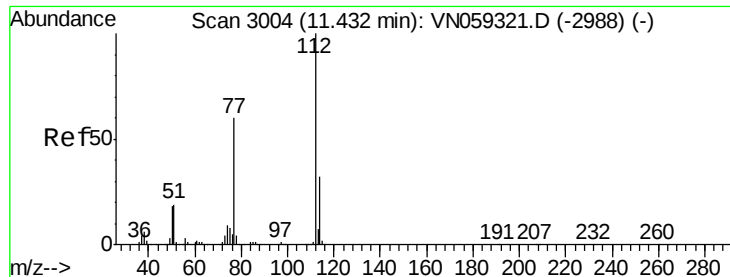
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 10.692 ug/l

RT: 11.54 min Scan# 3038

Delta R.T. 0.11 min

Lab File: VN059338.D

Acq: 21 Nov 2019 16:12

Instrument :

MSVOA_N

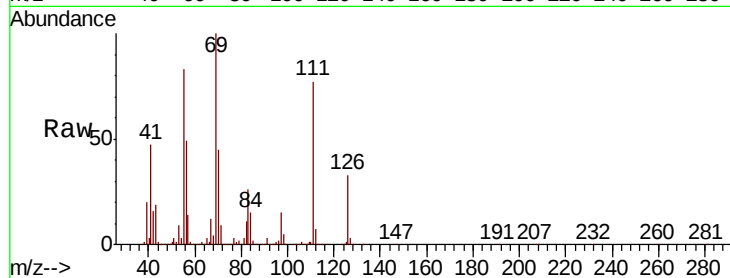
ClientSampleId :

Tot Ion:112 Resp: 109378

Ion Ratio Lower Upper

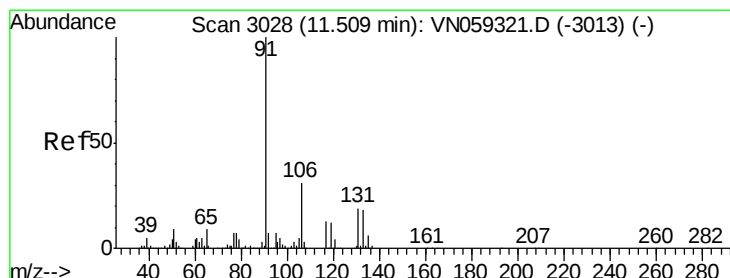
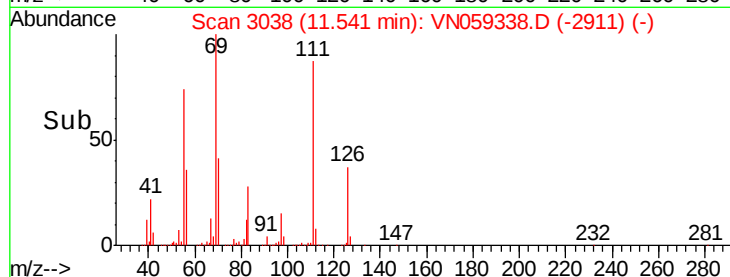
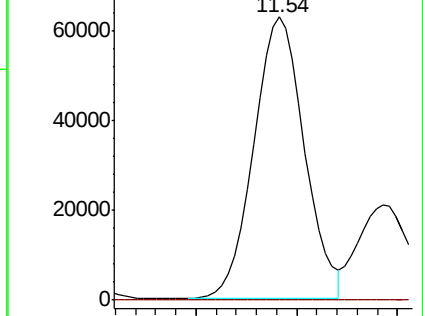
112 100

114 0.0 25.8 38.6#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#67

Ethyl Benzene

Concen: 85.329 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059338.D

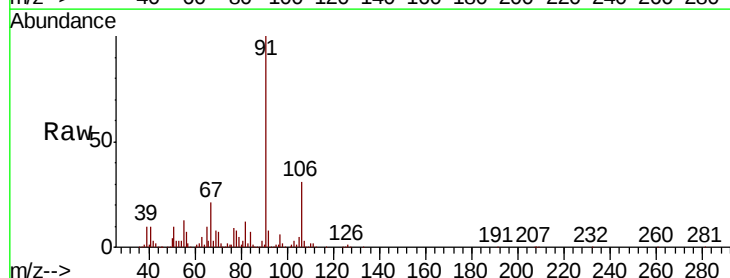
Acq: 21 Nov 2019 16:12

Tgt Ion: 91 Resp: 1558570

Ion Ratio Lower Upper

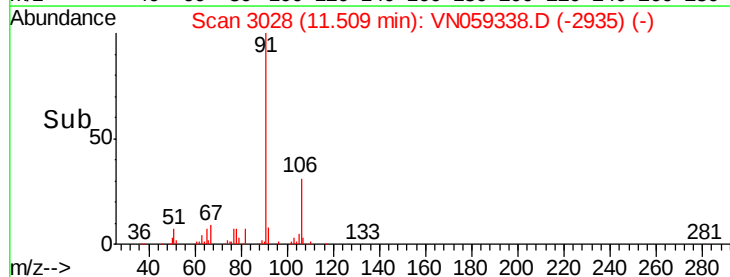
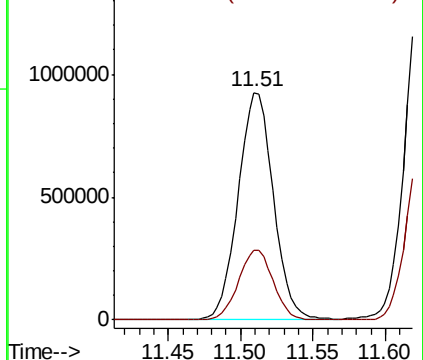
91 100

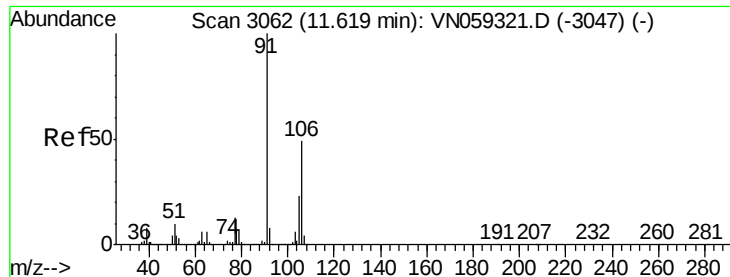
106 30.9 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xvlenes

Concen: 199.506 ug/l

RT: 11.63 min Scan# 3065

Delta R.T. 0.01 min

Lab File: VN059338.D

Acq: 21 Nov 2019 16:12

Instrument :

MSVOA_N

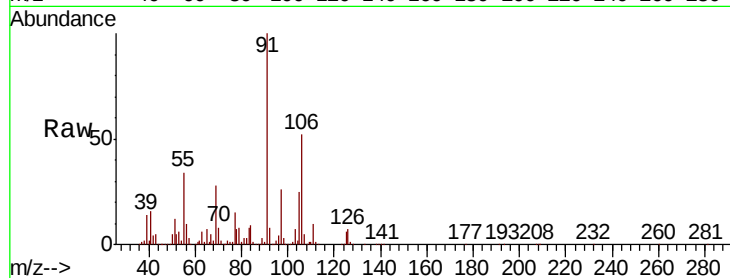
ClientSampleId :

Tot Ion:106 Resp: 1354054

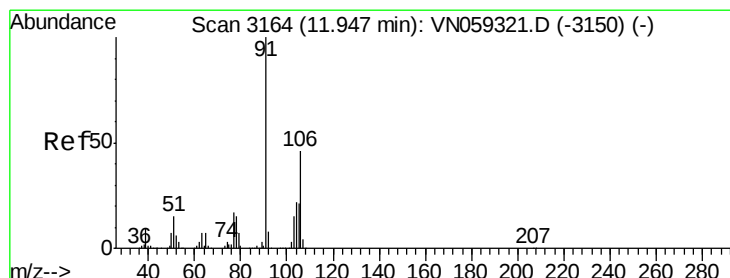
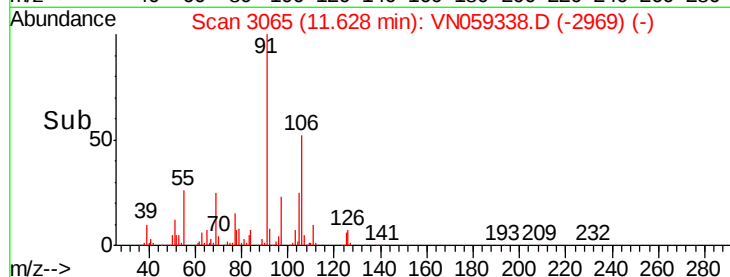
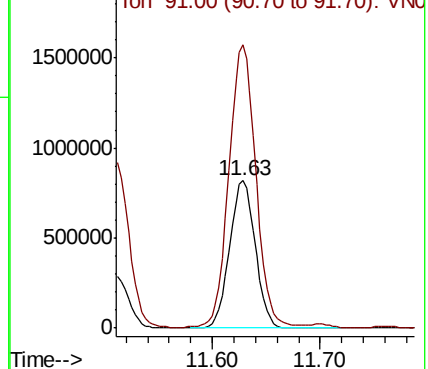
Ion Ratio Lower Upper

106 100

91 201.1 163.2 244.8



Abundance Ion 106.00 (105.70 to 106.70): V



#69

o-Xylene

Concen: 3.323 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN059338.D

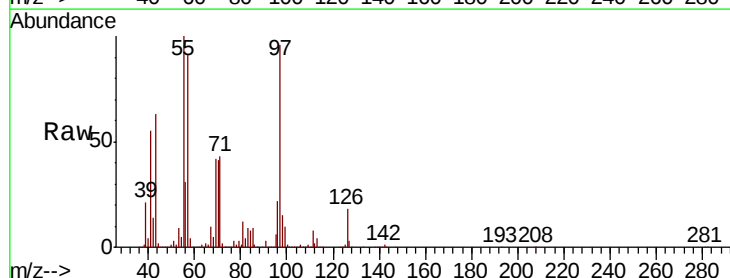
Acq: 21 Nov 2019 16:12

Tgt Ion:106 Resp: 21594

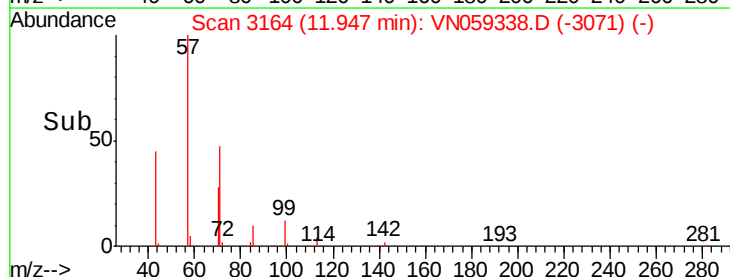
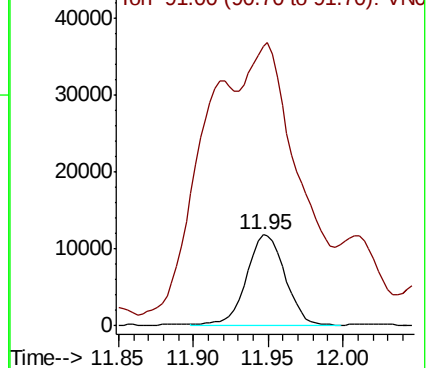
Ion Ratio Lower Upper

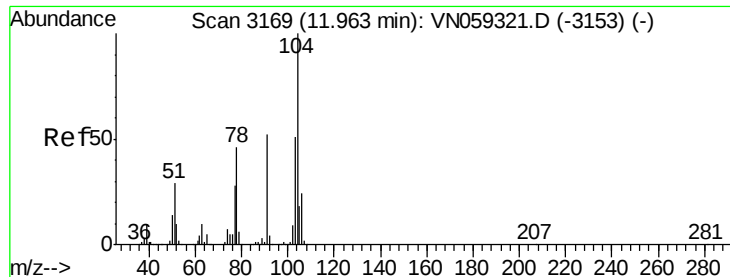
106 100

91 0.0 109.3 327.9#



Abundance Ion 106.00 (105.70 to 106.70): V





#70

Stvrene

Concen: 0.302 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. -0.01 min

Lab File: VN059338.D

Acq: 21 Nov 2019 16:12

Instrument :

MSVOA_N

ClientSampled :

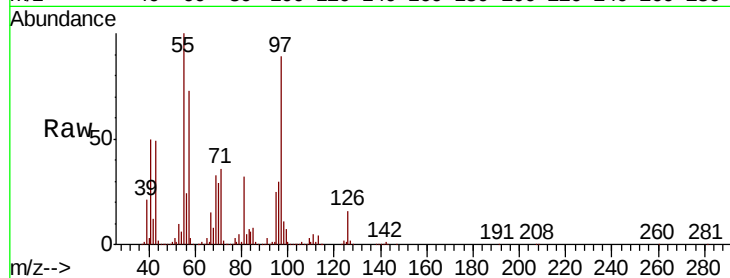
Tot Ion:104 Resp: 3099

Ion Ratio Lower Upper

104 100

78 0.0 40.3 60.5#

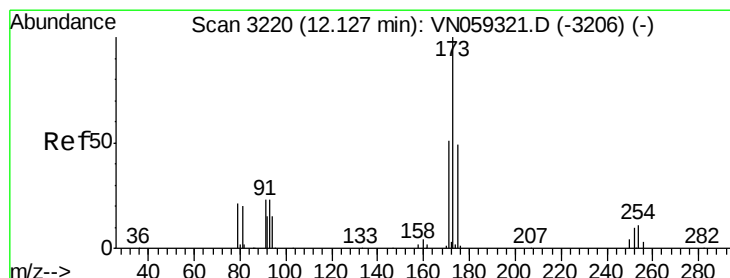
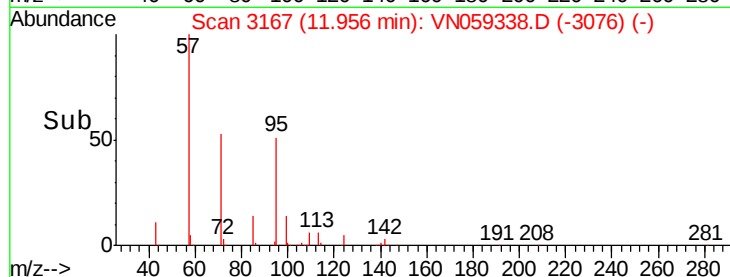
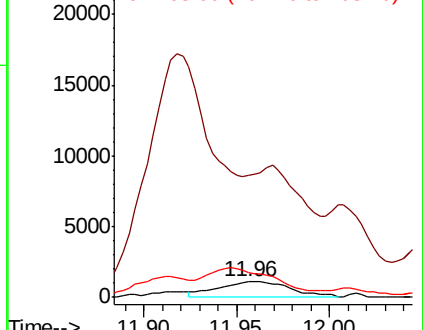
103 0.0 43.6 65.4#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.367 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN059338.D

Acq: 21 Nov 2019 16:12

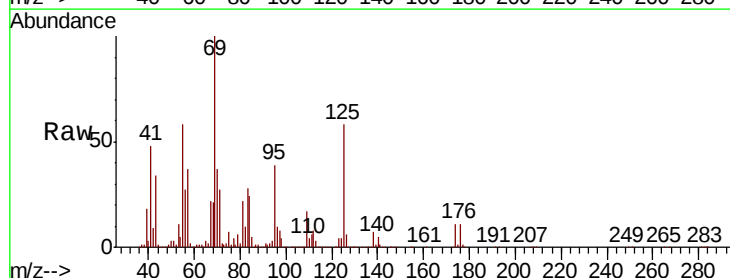
Tgt Ion:173 Resp: 1034

Ion Ratio Lower Upper

173 100

175 1009.0 24.6 73.6#

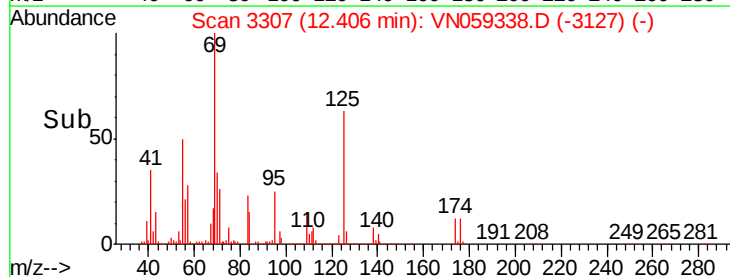
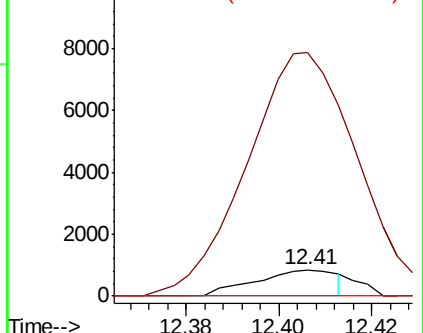
254 0.0 0.1 0.1#

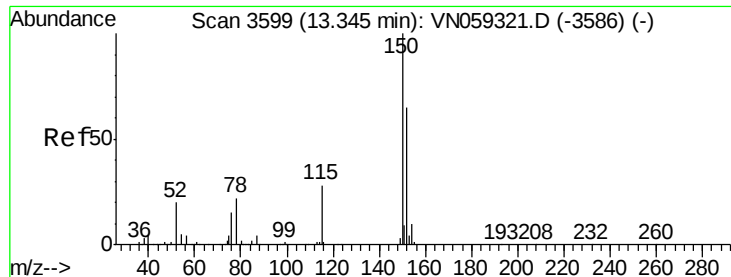


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



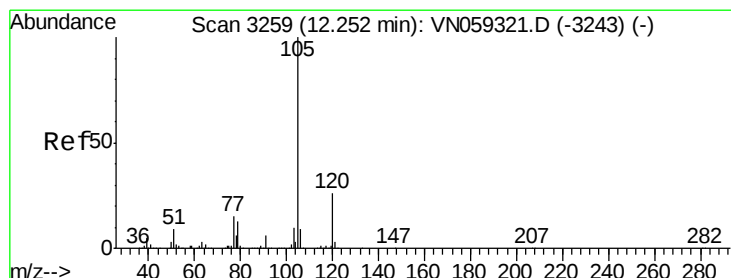
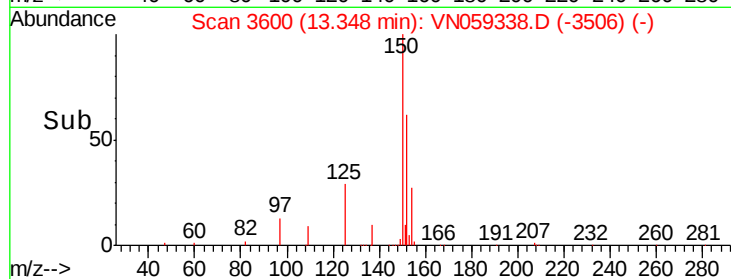
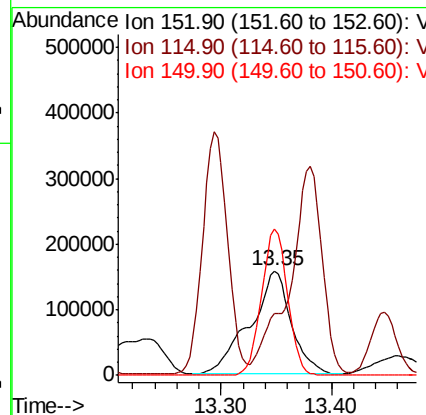
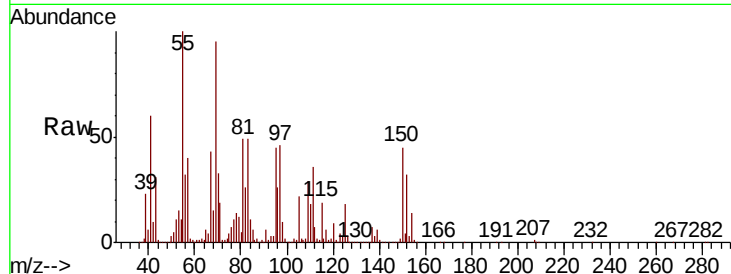


#72

1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VN059338.D
 Acq: 21 Nov 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :

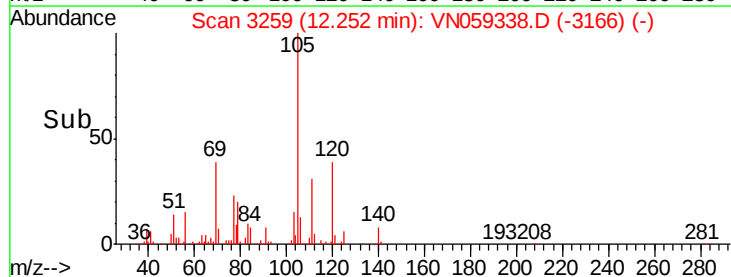
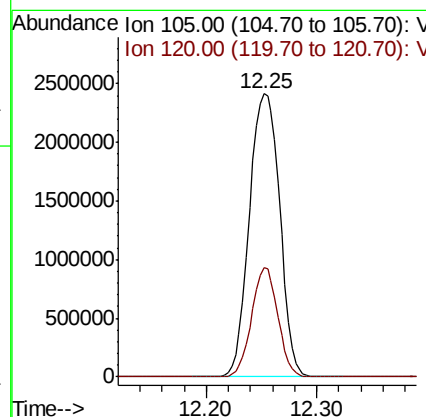
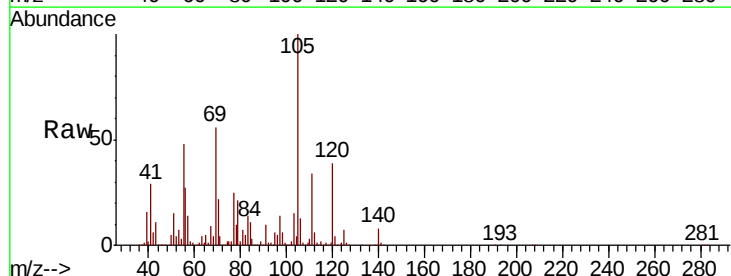
Tot Ion	Ratio	Lower	Upper
152	100		
115	0.0	29.3	88.0#
150	89.2	0.0	346.0

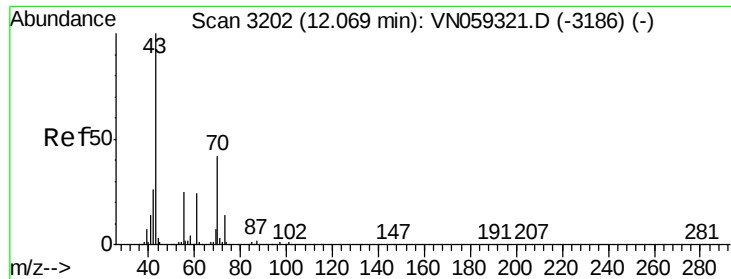


#73

Isopropylbenzene
 Concen: 137.546 ug/l
 RT: 12.25 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: VN059338.D
 Acq: 21 Nov 2019 16:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	33.3	13.1	39.3

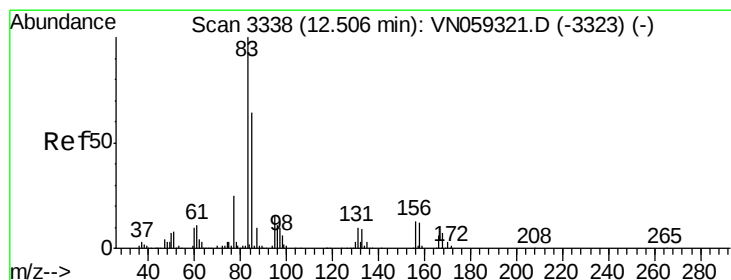
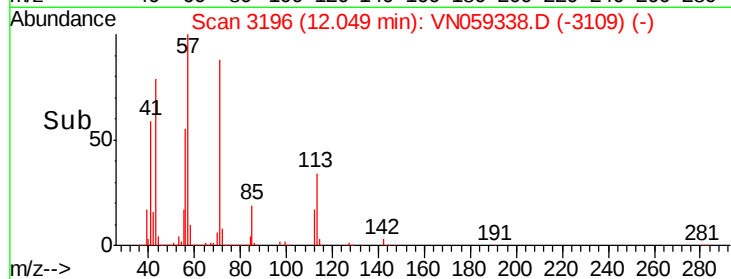
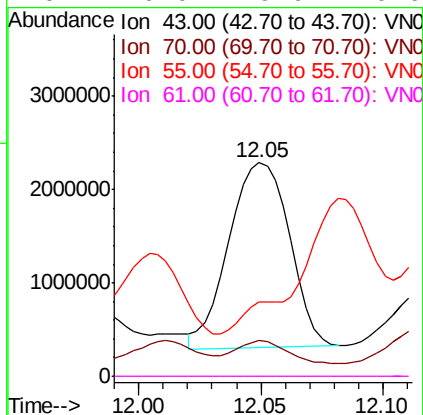
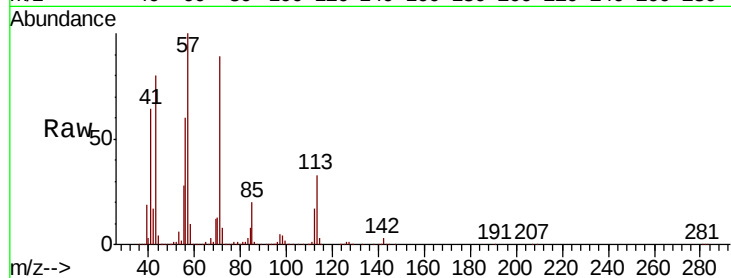




#74
N-amyl acetate
Concen: 255.883 ug/l
RT: 12.05 min Scan# 3196
Delta R.T. -0.02 min
Lab File: VN059338.D
Acq: 21 Nov 2019 16:12

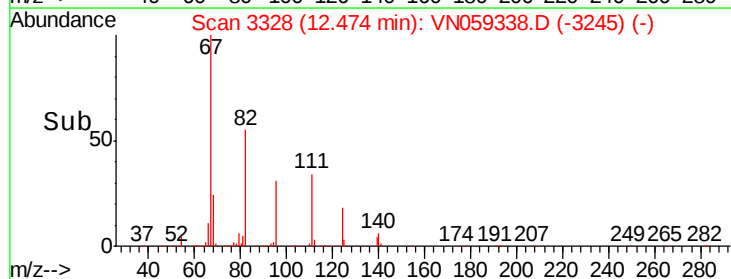
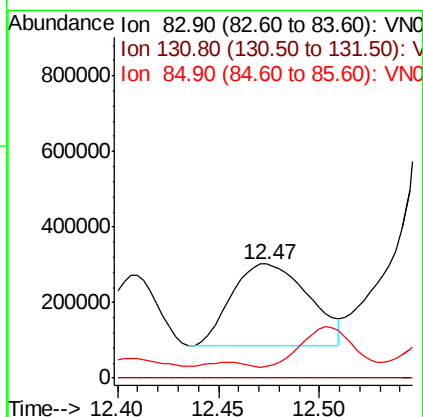
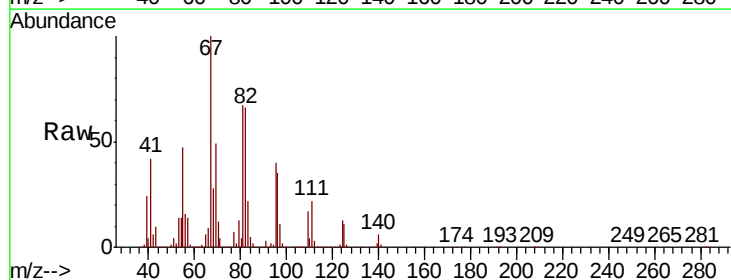
Instrument :
MSVOA_N
ClientSampleId :

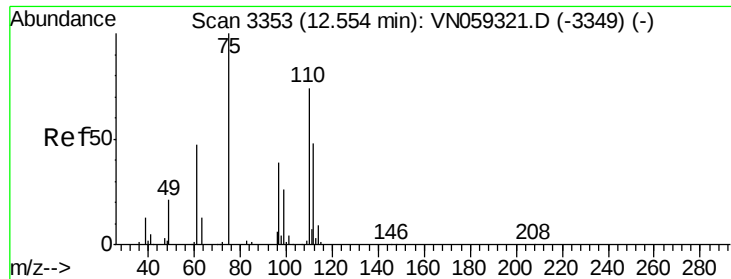
Tot Ion: 43 Resp: 3429530
Ion Ratio Lower Upper
43 100
70 9.7 33.8 50.6#
55 0.0 20.3 30.5#
61 0.0 19.9 29.9#



#75
1,1,2,2-Tetrachloroethane
Concen: 52.769 ug/l
RT: 12.47 min Scan# 3328
Delta R.T. -0.03 min
Lab File: VN059338.D
Acq: 21 Nov 2019 16:12

Tgt Ion: 83 Resp: 582147
Ion Ratio Lower Upper
83 100
131 0.0 5.0 14.9#
85 0.0 32.1 96.3#





#76

1,2,3-Trichloropropane

Concen: 11.334 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.04 min

Lab File: VN059338.D

Acq: 21 Nov 2019 16:12

Instrument :

MSVOA_N

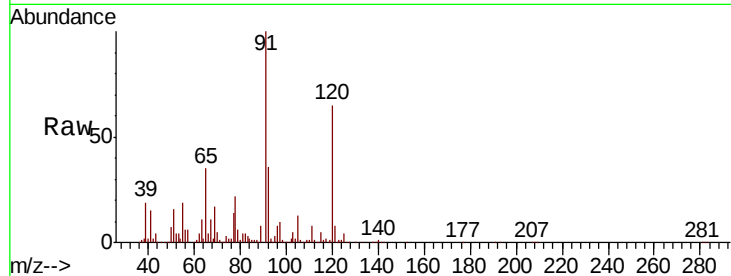
ClientSampleId :

Tot Ion: 75 Resp: 106598

Ion Ratio Lower Upper

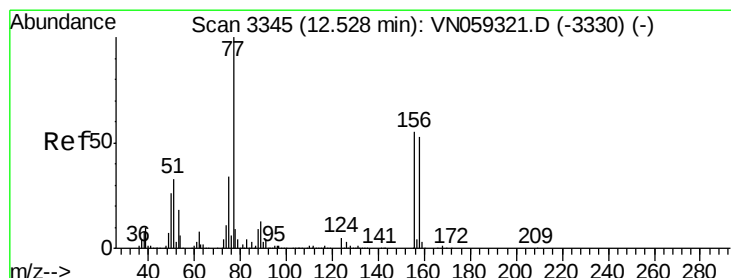
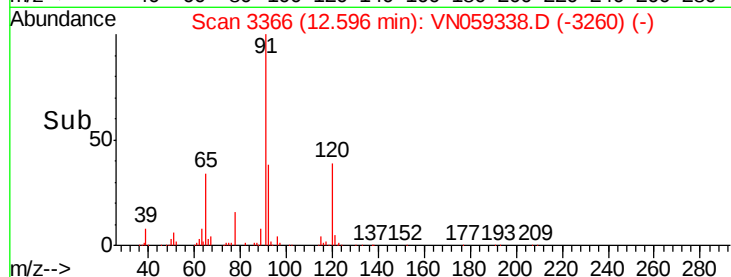
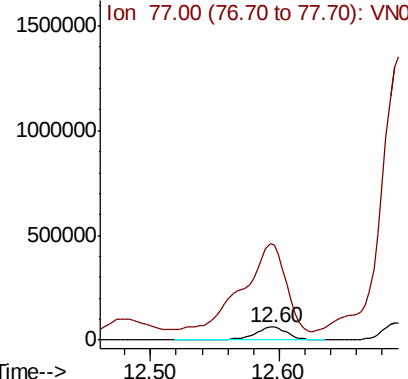
75 100

77 886.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

Bromobenzene

Concen: 0.528 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. -0.02 min

Lab File: VN059338.D

Acq: 21 Nov 2019 16:12

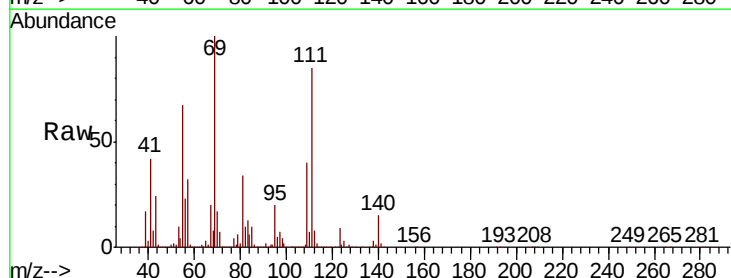
Tgt Ion: 156 Resp: 4269

Ion Ratio Lower Upper

156 100

77 0.0 111.1 333.4#

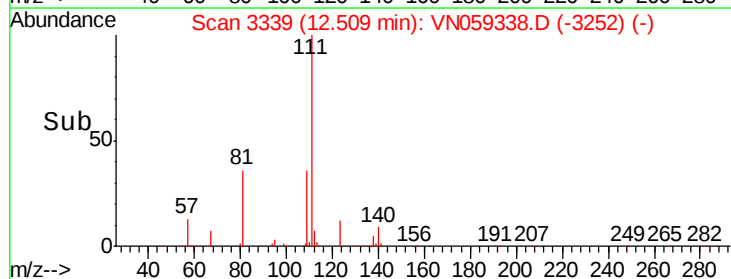
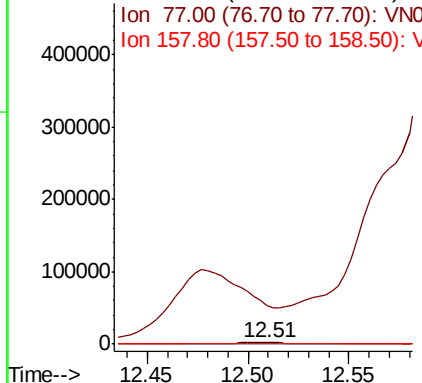
158 12.7 47.8 143.4#

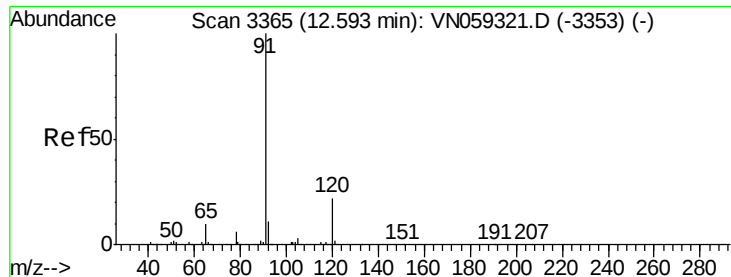


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 201.622 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN059338.D

Acq: 21 Nov 2019 16:12

Instrument :

MSVOA_N

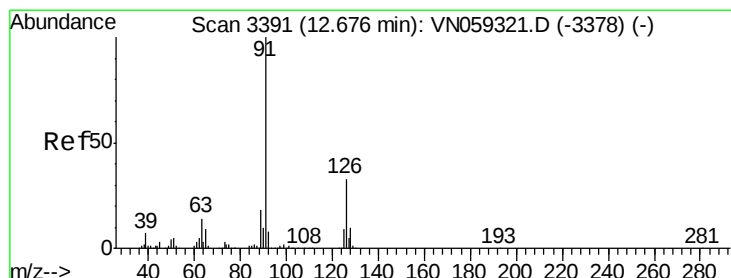
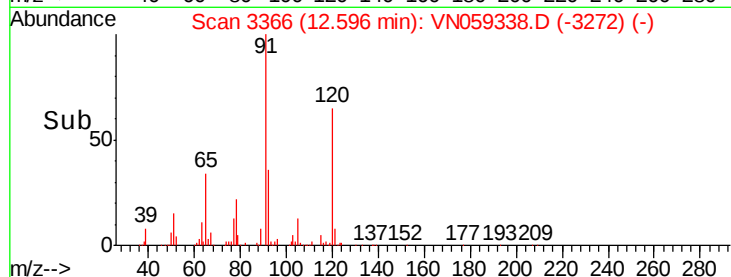
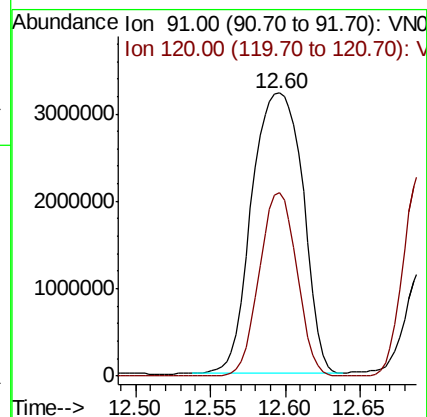
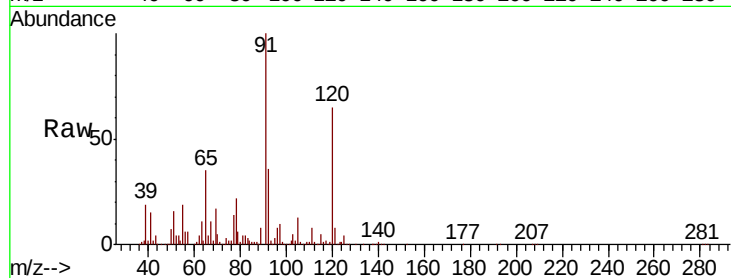
ClientSampled :

Tot Ion: 91 Resp: 7616554

Ion Ratio Lower Upper

91 100

120 48.3 11.3 33.9#



#79

2-Chlorotoluene

Concen: 95.536 ug/l

RT: 12.69 min Scan# 3396

Delta R.T. 0.02 min

Lab File: VN059338.D

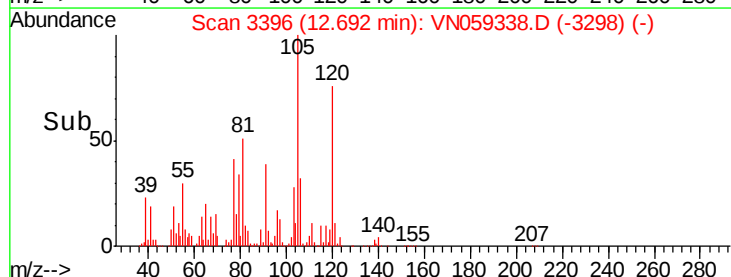
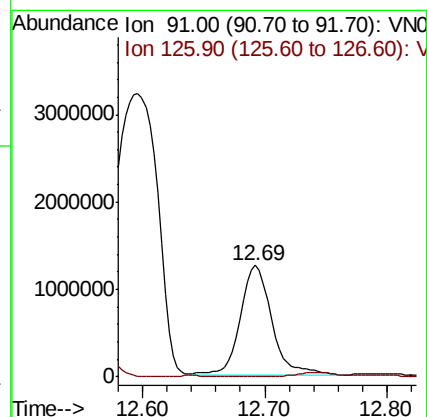
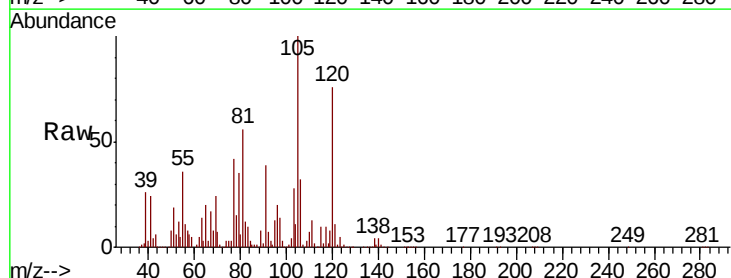
Acq: 21 Nov 2019 16:12

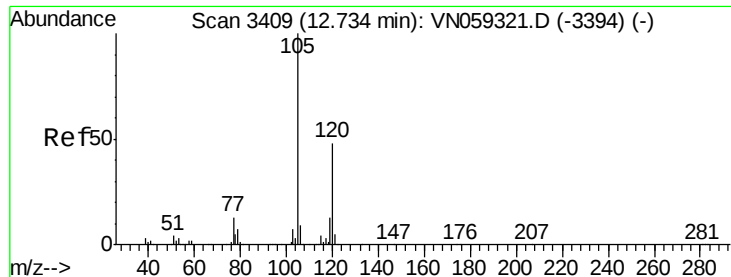
Tgt Ion: 91 Resp: 2215204

Ion Ratio Lower Upper

91 100

126 0.0 16.7 50.1#

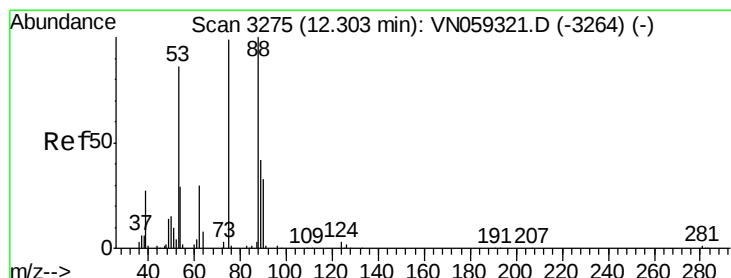
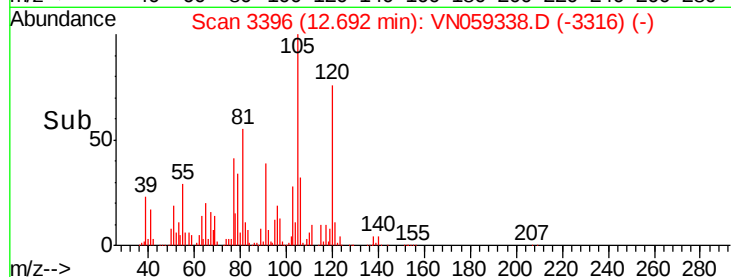
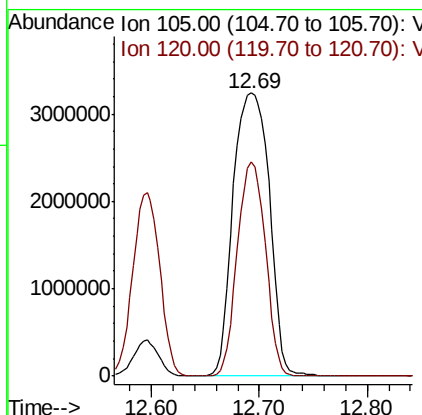
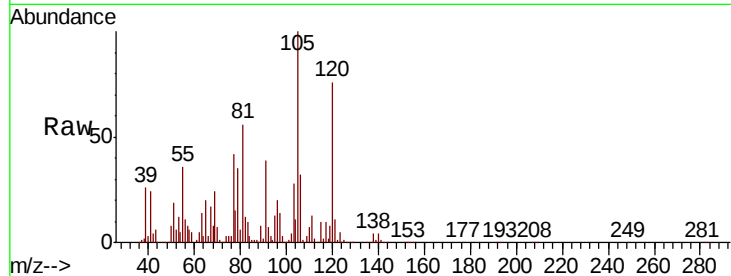




#80
 1,3,5-Trimethylbenzene
 Concen: 268.840 ug/l
 RT: 12.69 min Scan# 3396
 Delta R.T. -0.04 min
 Lab File: VN059338.D
 Acq: 21 Nov 2019 16:12

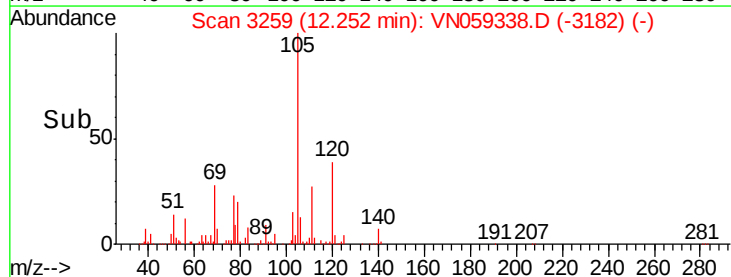
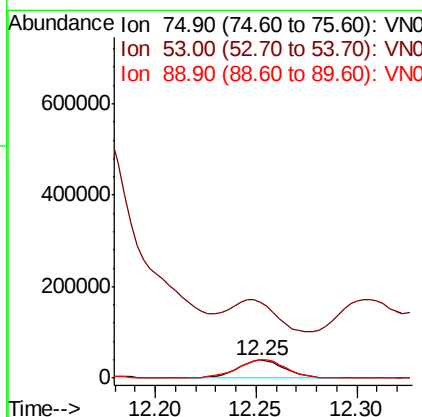
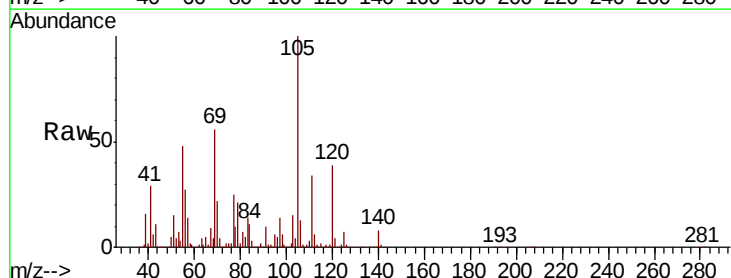
Instrument :
 MSVOA_N
 ClientSampled :

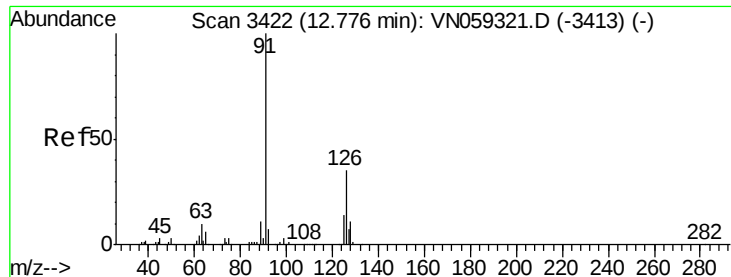
Tot Ion:105 Resp: 7536813
 Ion Ratio Lower Upper
 105 100
 120 59.1 24.1 72.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 16.343 ug/l
 RT: 12.25 min Scan# 3259
 Delta R.T. -0.05 min
 Lab File: VN059338.D
 Acq: 21 Nov 2019 16:12

Tgt Ion: 75 Resp: 61454
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.7 106.1#
 89 106.7 35.4 53.0#

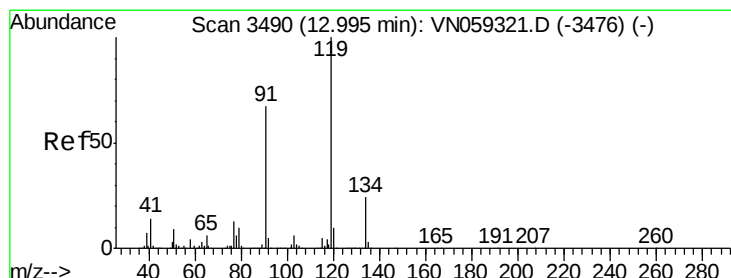
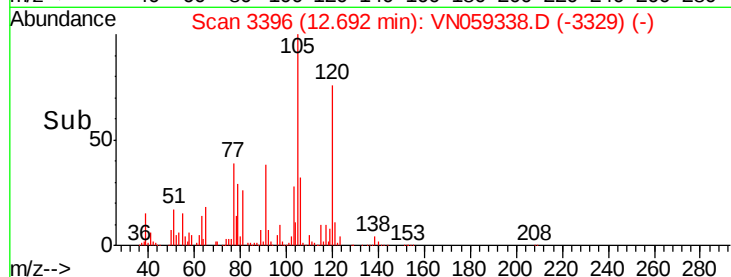
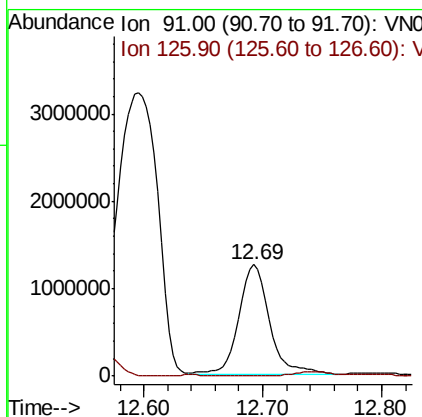
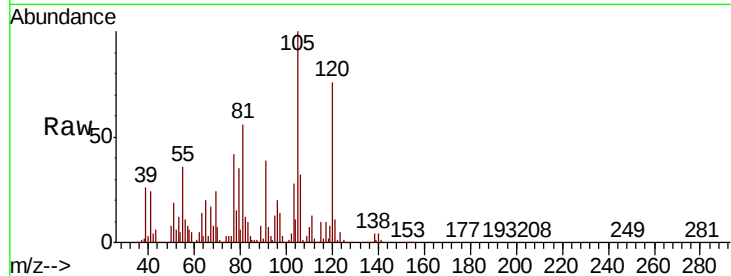




#82
4-Chlorotoluene
Concen: 92.481 ug/l
RT: 12.69 min Scan# 3396
Delta R.T. -0.08 min
Lab File: VN059338.D
Acq: 21 Nov 2019 16:12

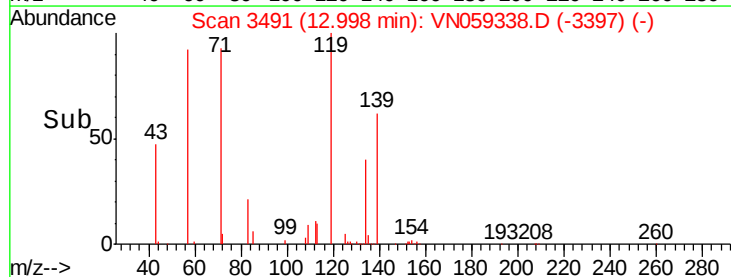
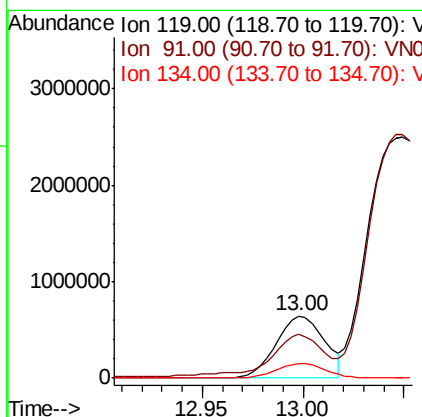
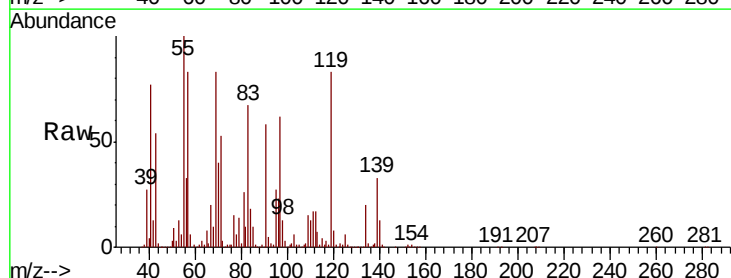
Instrument :
MSVOA_N
ClientSampled :

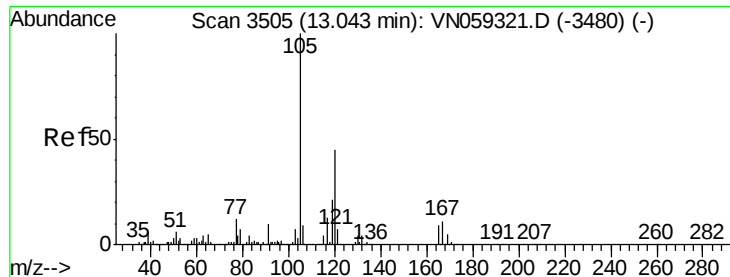
Tot Ion: 91 Resp: 2219044
Ion Ratio Lower Upper
91 100
126 0.0 16.2 48.6#



#83
tert-Butylbenzene
Concen: 45.029 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN059338.D
Acq: 21 Nov 2019 16:12

Tgt Ion: 119 Resp: 1066168
Ion Ratio Lower Upper
119 100
91 73.5 32.8 98.4
134 24.1 13.0 38.9





#84

1,2,4-Trimethylbenzene

Concen: 420.561 ug/l

RT: 13.05 min Scan# 3507

Delta R.T. 0.01 min

Lab File: VN059338.D

Acq: 21 Nov 2019 16:12

Instrument :

MSVOA_N

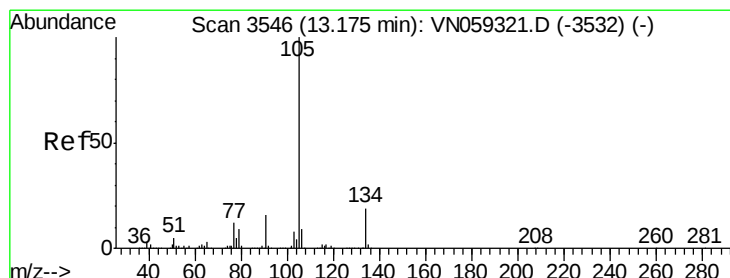
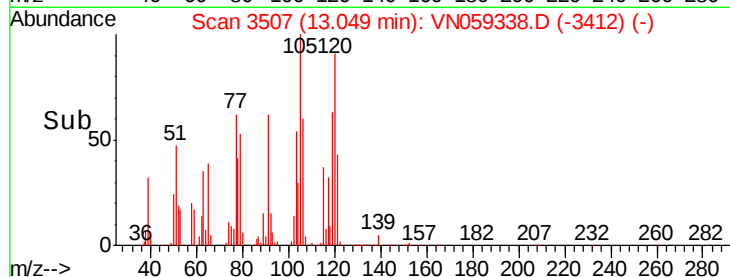
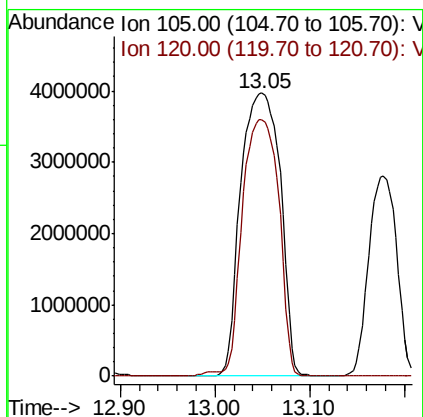
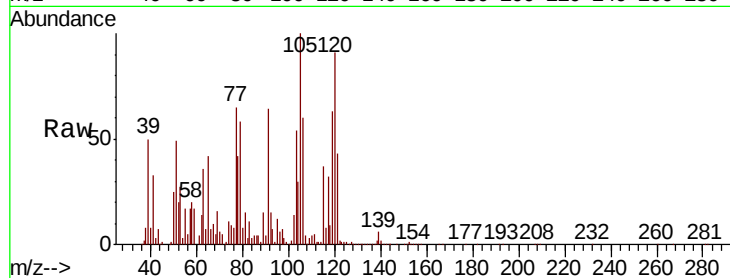
ClientSampled :

Tot Ion:105 Resp:11549461

Ion Ratio Lower Upper

105 100

120 82.9 22.6 67.8#



#85

sec-Butylbenzene

Concen: 182.204 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN059338.D

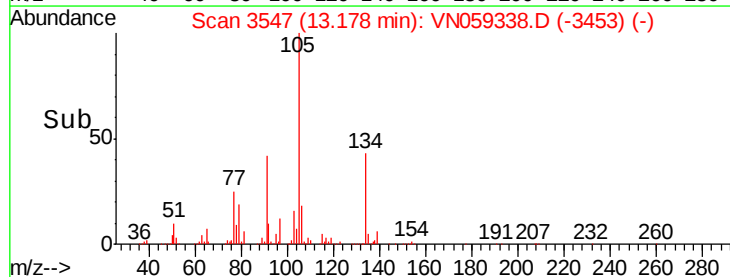
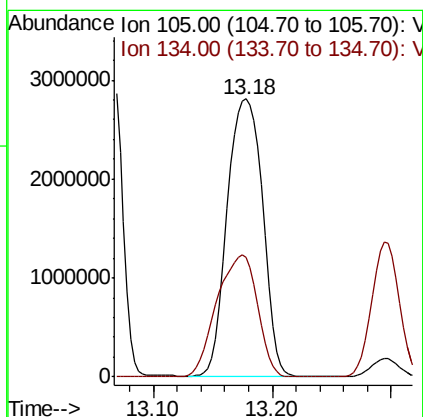
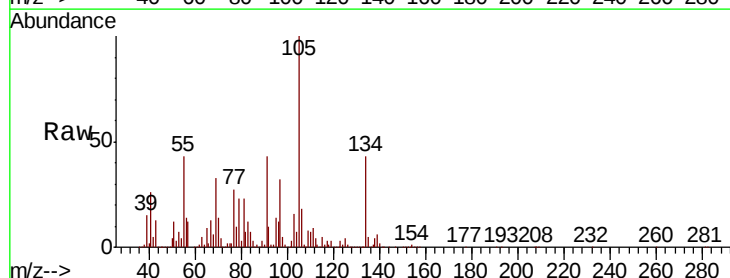
Acq: 21 Nov 2019 16:12

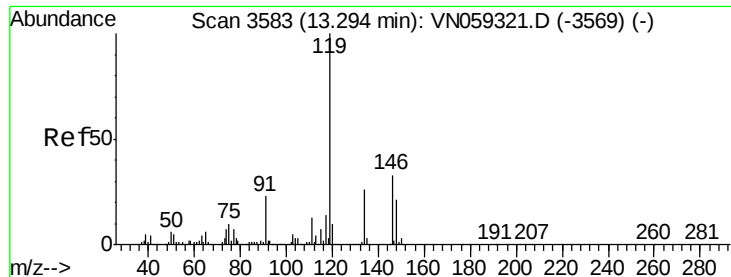
Tgt Ion:105 Resp: 5798334

Ion Ratio Lower Upper

105 100

134 50.5 9.8 29.3#

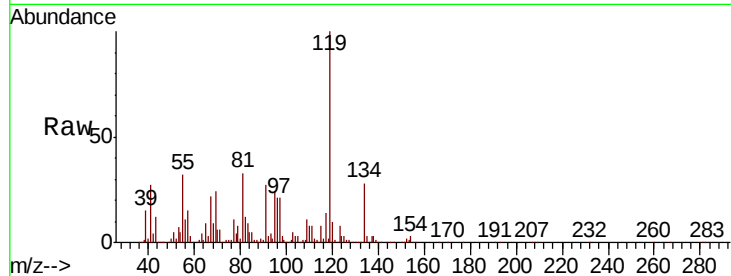




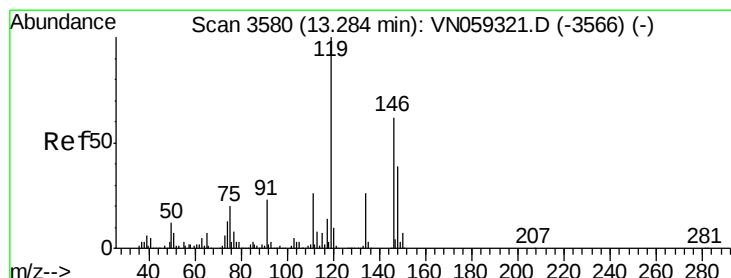
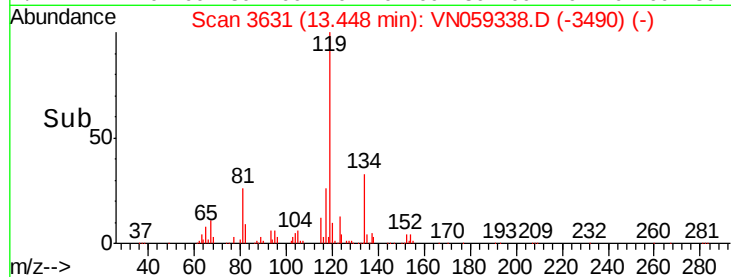
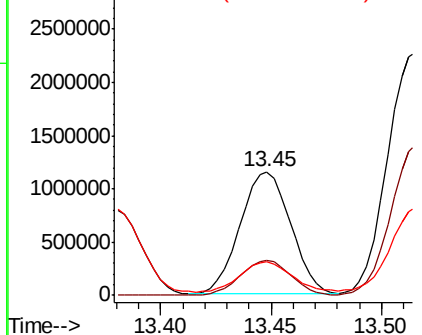
#86
 p-Isopropyltoluene
 Concen: 64.577 ug/l
 RT: 13.45 min Scan# 3631
 Delta R.T. 0.15 min
 Lab File: VN059338.D
 Acq: 21 Nov 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:119 Resp: 1828718
 Ion Ratio Lower Upper
 119 100
 134 28.7 13.0 38.9
 91 24.5 11.6 34.7

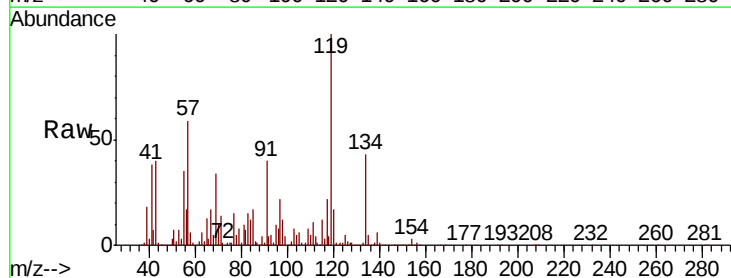


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

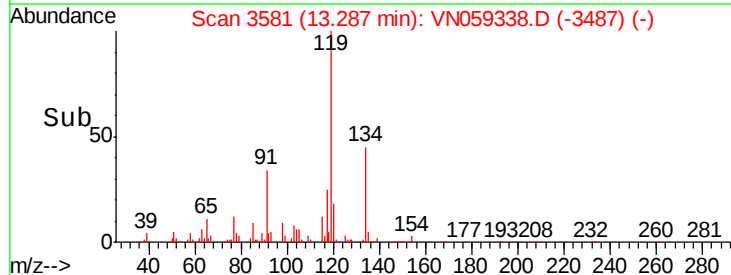
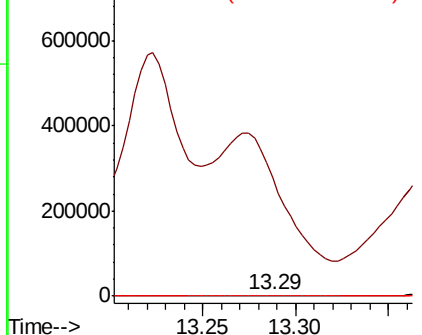


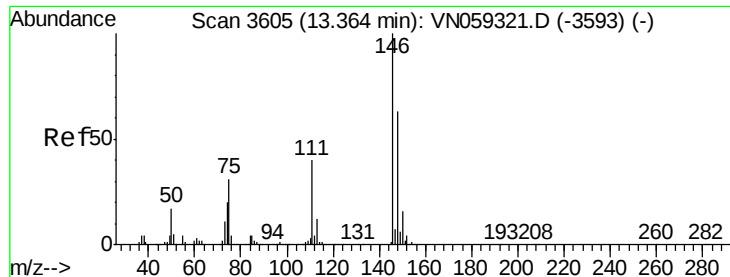
#87
 1,3-Dichlorobenzene
 Concen: 0.206 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059338.D
 Acq: 21 Nov 2019 16:12

Tgt Ion:146 Resp: 2969
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.6 61.8#
 148 45.6 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

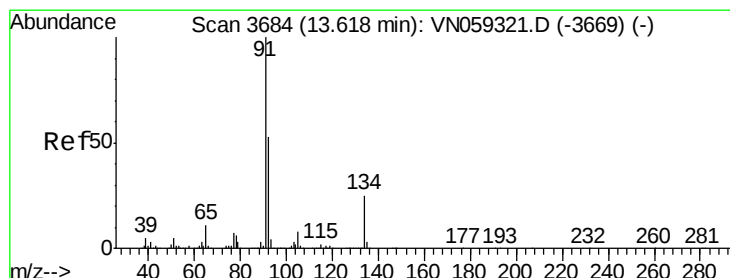
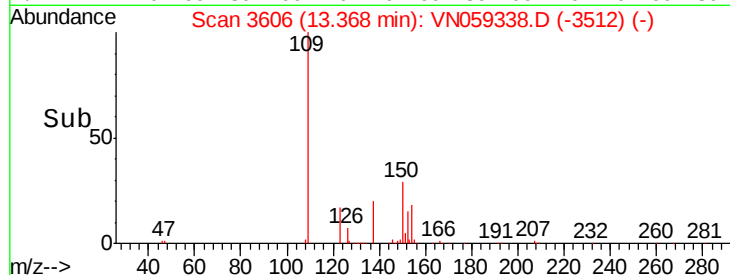
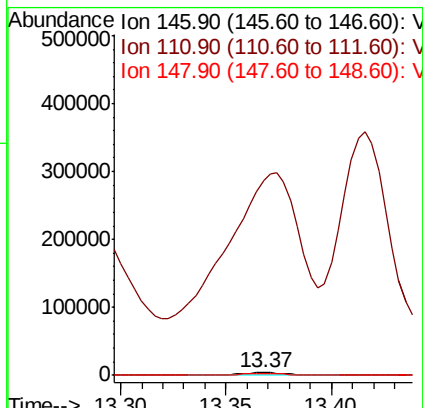
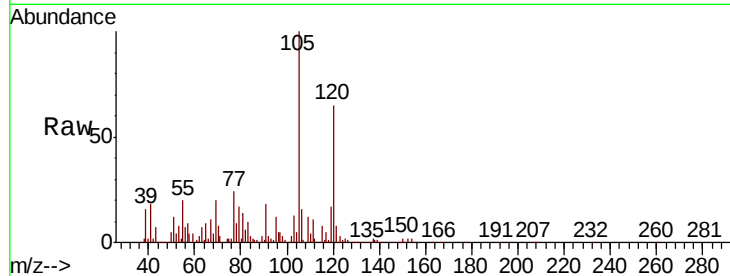




#88
 1,4-Dichlorobenzene
 Concen: 0.430 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN059338.D
 Acq: 21 Nov 2019 16:12

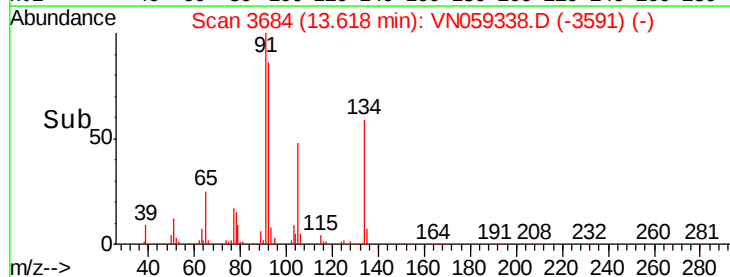
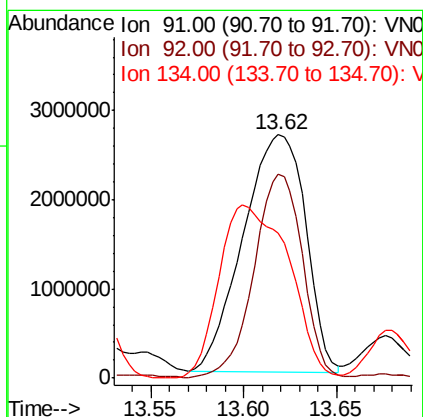
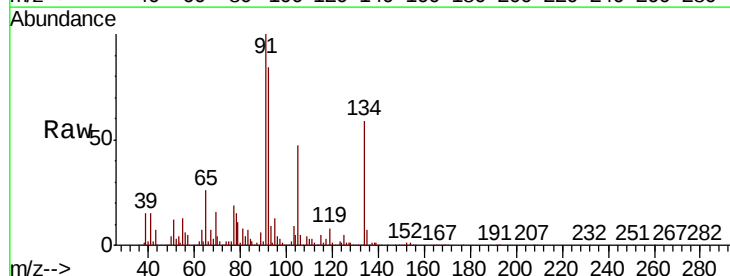
Instrument :
 MSVOA_N
 ClientSampled :

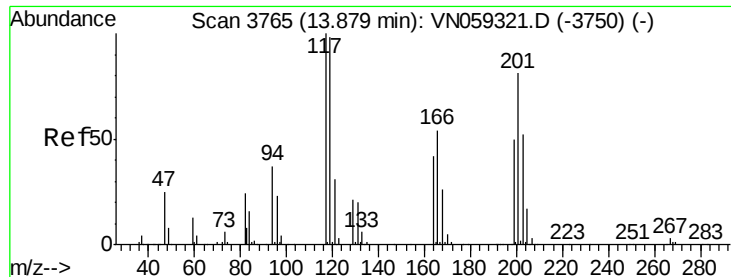
Tot Ion:146 Resp: 6122
 Ion Ratio Lower Upper
 146 100
 111 7846.6 20.1 60.3#
 148 73.2 31.7 95.1



#89
 n-Butylbenzene
 Concen: 252.077 ug/l
 RT: 13.62 min Scan# 3684
 Delta R.T. 0.00 min
 Lab File: VN059338.D
 Acq: 21 Nov 2019 16:12

Tgt Ion: 91 Resp: 6262034
 Ion Ratio Lower Upper
 91 100
 92 66.1 26.0 78.0
 134 81.0 12.7 38.1#





#90

Hexachloroethane

Concen: 217.386 ug/l

RT: 13.90 min Scan# 3770

Delta R.T. 0.02 min

Lab File: VN059338.D

Acq: 21 Nov 2019 16:12

Instrument :

MSVOA_N

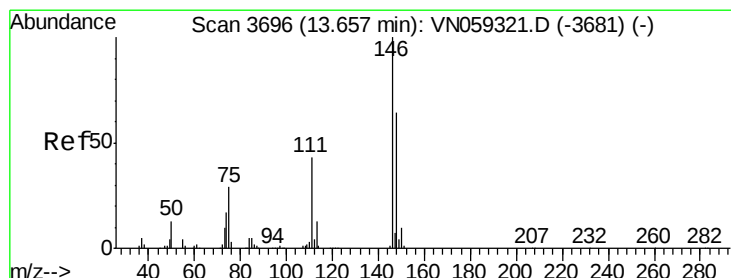
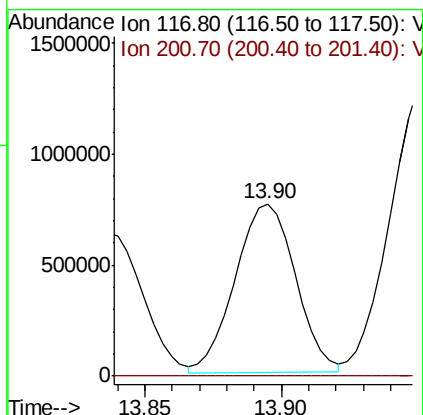
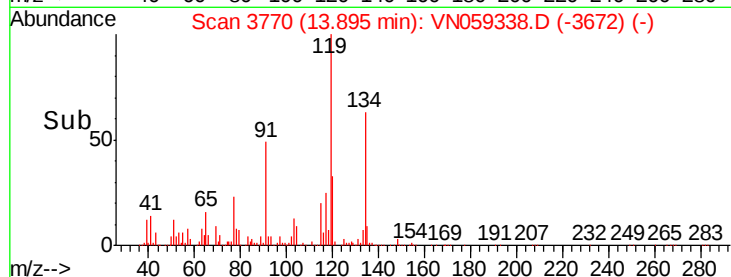
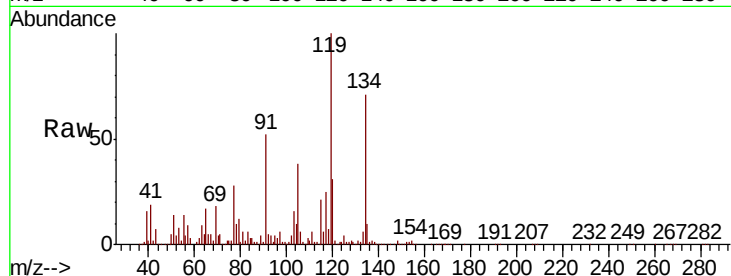
ClientSampled :

Tot Ion:117 Resp: 1165847

Ion Ratio Lower Upper

117 100

201 0.0 40.4 121.2#



#91

1,2-Dichlorobenzene

Concen: 0.346 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059338.D

Acq: 21 Nov 2019 16:12

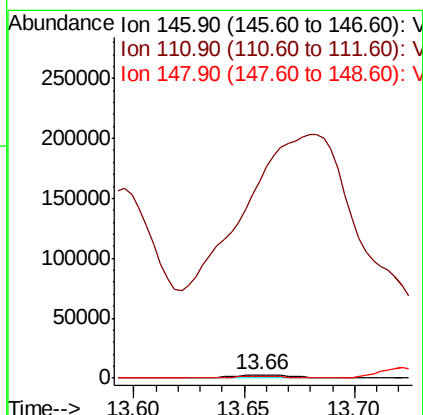
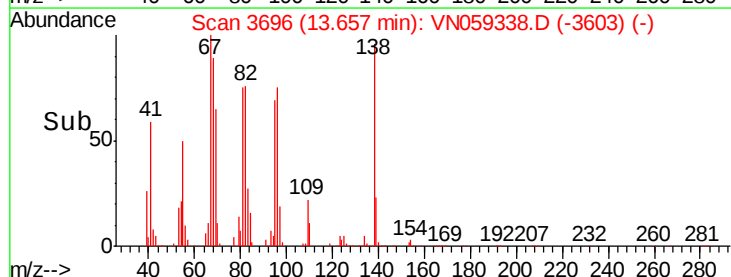
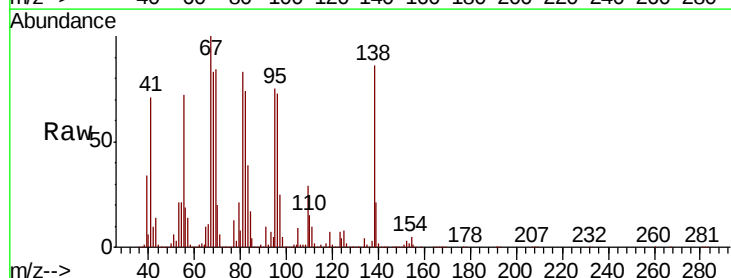
Tgt Ion:146 Resp: 4829

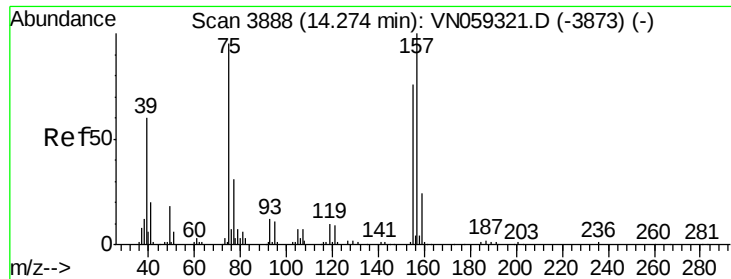
Ion Ratio Lower Upper

146 100

111 0.0 21.3 64.0#

148 0.0 31.9 95.5#

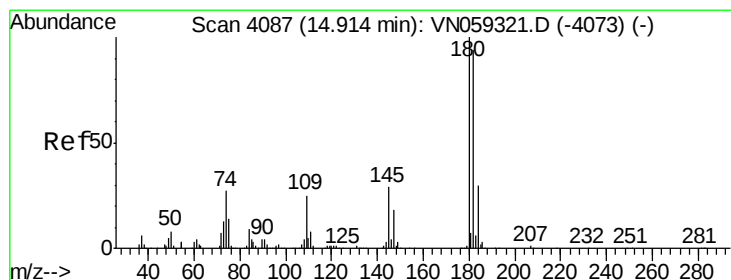
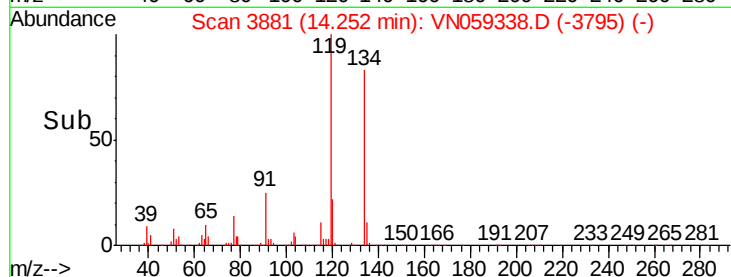
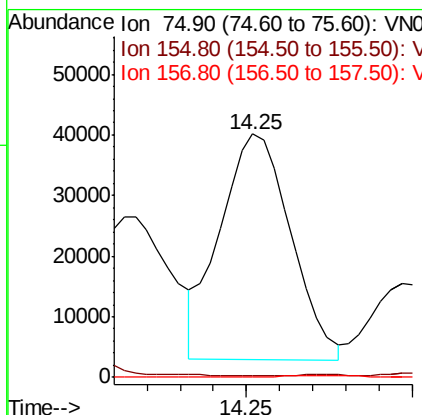
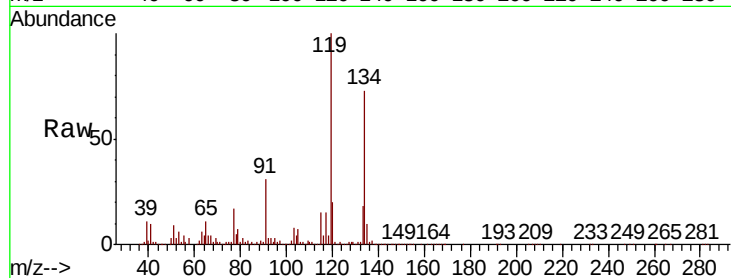




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.440 ug/l
 RT: 14.25 min Scan# 3881
 Delta R.T. -0.02 min
 Lab File: VN059338.D
 Acq: 21 Nov 2019 16:12

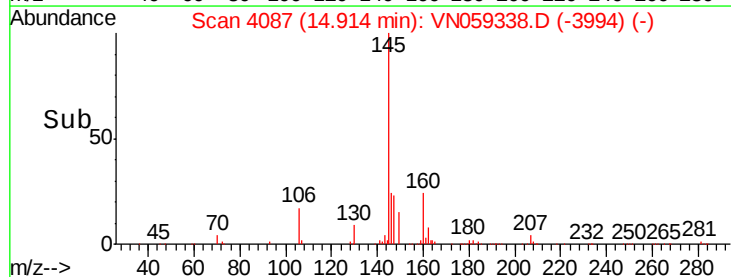
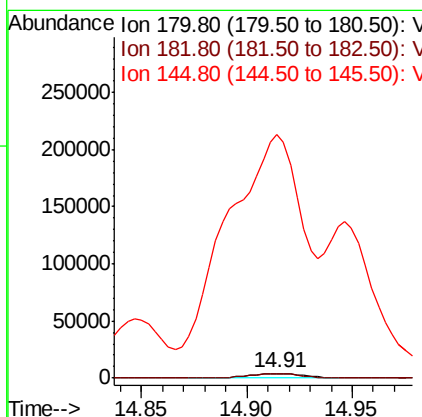
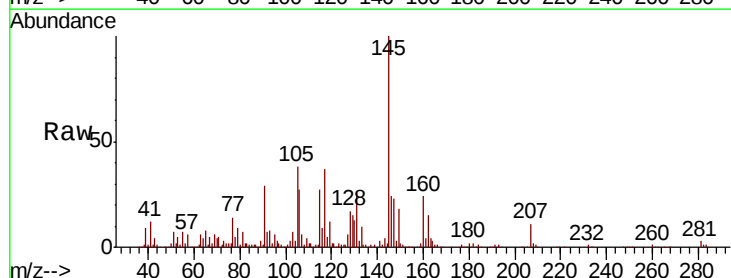
Instrument :
 MSVOA_N
 ClientSampled :

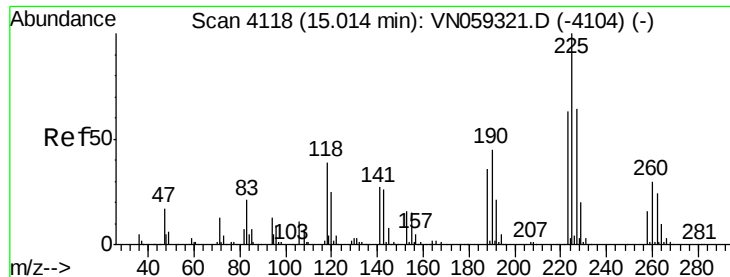
Tot Ion: 75 Resp: 54977
 Ion Ratio Lower Upper
 75 100
 155 0.0 40.5 121.5#
 157 0.9 52.7 158.1#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.693 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059338.D
 Acq: 21 Nov 2019 16:12

Tgt Ion: 180 Resp: 6949
 Ion Ratio Lower Upper
 180 100
 182 90.0 47.2 141.6
 145 7851.1 14.9 44.5#





#94

Hexachlorobutadiene

Concen: 0.216 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN059338.D

Acq: 21 Nov 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

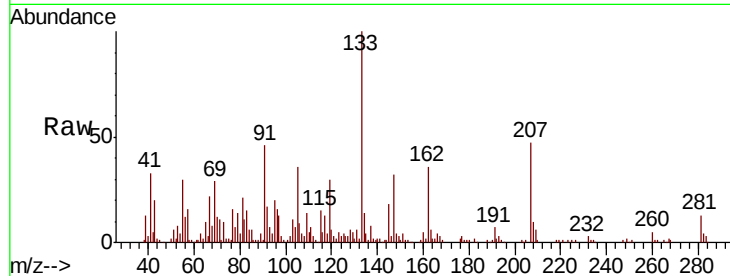
Tot Ion:225 Resp: 1087

Ion Ratio Lower Upper

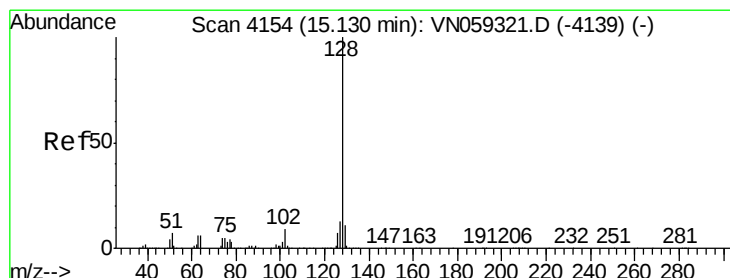
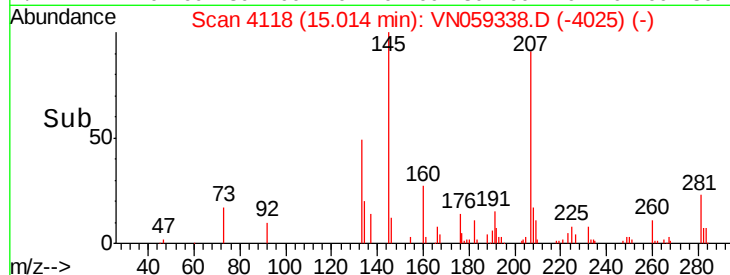
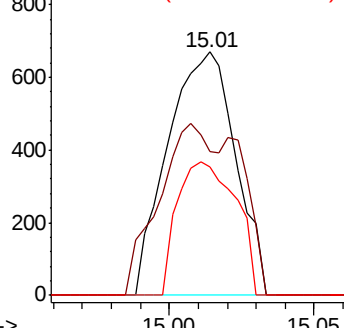
225 100

223 59.6 31.6 94.8

227 47.5 32.6 97.7



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 66.343 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059338.D

Acq: 21 Nov 2019 16:12

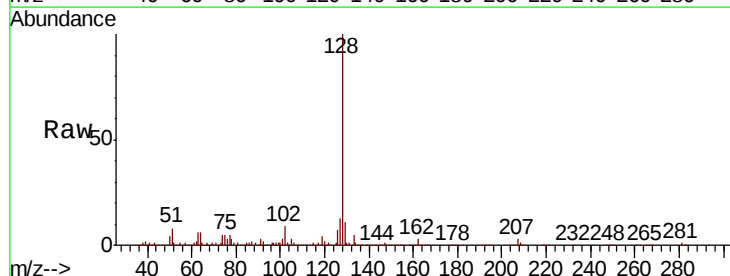
Tgt Ion:128 Resp: 1618896

Ion Ratio Lower Upper

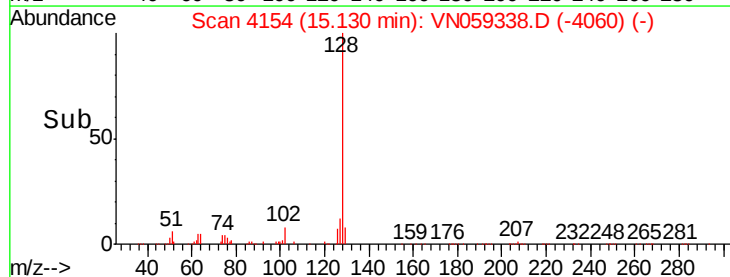
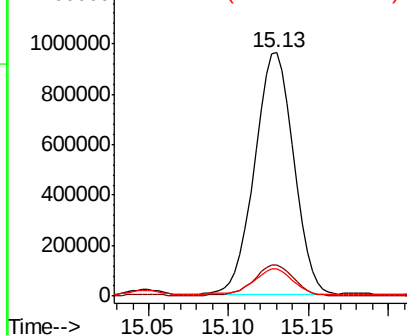
128 100

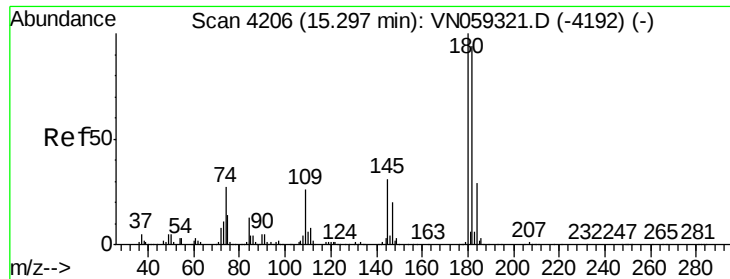
127 12.8 10.2 15.2

129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

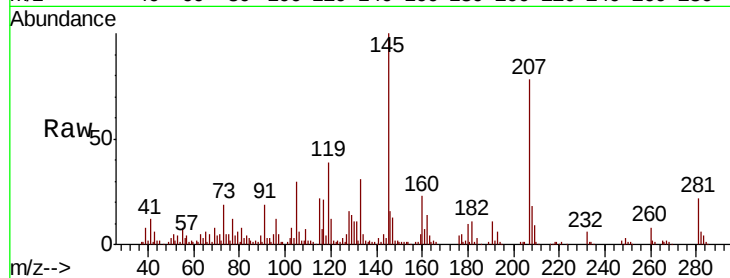




#96
 1,2,3-Trichlorobenzene
 Concen: 2.772 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. 0.00 min
 Lab File: VN059338.D
 Acq: 21 Nov 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	104.3	47.1	141.4
145	717.1	15.6	46.8#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

