

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058714.D
 Acq On : 11 Oct 2019 20:01
 Operator : JC/SP
 Sample : VN1013WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD01

Quant Time: Oct 12 00:13:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	411844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	675770	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	619391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	295123	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	296536	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
35) Dibromofluoromethane	7.57	113	211105	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
50) Toluene-d8	10.09	98	826237	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
62) 4-Bromofluorobenzene	12.41	95	302513	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	113212	22.072	ug/l	98
3) Chloromethane	2.04	50	126992	20.821	ug/l	100
4) Vinyl Chloride	2.17	62	128361	21.130	ug/l	100
5) Bromomethane	2.55	94	75016	20.299	ug/l	97
6) Chloroethane	2.68	64	79449	21.203	ug/l	100
7) Trichlorofluoromethane	3.00	101	156457	21.520	ug/l	97
8) Diethyl Ether	3.39	74	54213	20.182	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	87146	21.022	ug/l	98
10) Methyl Iodide	3.93	142	111163	19.651	ug/l	98
11) Tert butyl alcohol	4.76	59	98795	105.802	ug/l	99
12) 1,1-Dichloroethene	3.71	96	82856	20.949	ug/l	98
13) Acrolein	3.59	56	70224	93.509	ug/l	98
14) Allyl chloride	4.30	41	161105	20.184	ug/l	100
15) Acrylonitrile	4.96	53	253452	107.631	ug/l	100
16) Acetone	3.80	43	233248	97.716	ug/l	100
17) Carbon Disulfide	4.03	76	251380	19.883	ug/l	100
18) Methyl Acetate	4.30	43	134307	22.182	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	296654	21.005	ug/l	97
20) Methylene Chloride	4.53	84	99604	19.966	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	90452	20.445	ug/l	99
22) Diisopropyl ether	5.93	45	327830	21.124	ug/l	96
23) Vinyl Acetate	5.87	43	1379659	110.174	ug/l	99
24) 1,1-Dichloroethane	5.82	63	185310	20.966	ug/l	99
25) 2-Butanone	6.82	43	359278	104.134	ug/l	99
26) 2,2-Dichloropropane	6.81	77	152770	18.935	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	104197	20.197	ug/l	99
28) Bromochloromethane	7.18	49	64428	20.953	ug/l	98
29) Tetrahydrofuran	7.19	42	237779	106.647	ug/l	99
30) Chloroform	7.36	83	182609	20.563	ug/l	98
31) Cyclohexane	7.64	56	170201	20.125	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	157804	20.837	ug/l	98
36) 1,1-Dichloropropene	7.78	75	136681	20.005	ug/l	99
37) Ethyl Acetate	6.91	43	152969	22.138	ug/l	99
38) Carbon Tetrachloride	7.76	117	140177	21.051	ug/l	98

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Instrument :
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 VN1013WBSD01

Quant Time: Oct 12 00:13:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	157277	19.837	ug/l	100
40) Benzene	8.03	78	402716	20.523	ug/l	99
41) Methacrylonitrile	7.19	41	217445	67.225	ug/l #	1
42) 1,2-Dichloroethane	8.11	62	155809	20.668	ug/l	99
43) Isopropyl Acetate	8.15	43	238314	20.245	ug/l #	91
44) Trichloroethene	8.82	130	99059	20.328	ug/l	97
45) 1,2-Dichloropropane	9.11	63	108713	20.695	ug/l	98
46) Dibromomethane	9.20	93	69073	20.740	ug/l	100
47) Bromodichloromethane	9.39	83	138847	20.473	ug/l	97
48) Methyl methacrylate	9.19	41	111902	20.972	ug/l	99
49) 1,4-Dioxane	9.19	88	35087	425.047	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	741069	112.097	ug/l	98
52) Toluene	10.15	92	245922	20.490	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	156851	20.164	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	167032	20.225	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	98824	20.118	ug/l	98
56) Ethyl methacrylate	10.43	69	149977	20.899	ug/l	99
57) 1,3-Dichloropropane	10.71	76	172547	20.613	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	349145	100.954	ug/l	99
59) 2-Hexanone	10.75	43	552060	108.057	ug/l	98
60) Dibromochloromethane	10.90	129	104137	20.551	ug/l	99
61) 1,2-Dibromoethane	11.00	107	100999	20.523	ug/l	100
64) Tetrachloroethene	10.63	164	87873	20.272	ug/l	93
65) Chlorobenzene	11.43	112	258859	20.579	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	95473	20.526	ug/l	99
67) Ethyl Benzene	11.51	91	472938	21.092	ug/l	100
68) m/p-Xylenes	11.62	106	350617	41.668	ug/l	99
69) o-Xylene	11.95	106	165649	20.347	ug/l	100
70) Styrene	11.97	104	267741	20.065	ug/l	98
71) Bromoform	12.13	173	70010	20.535	ug/l #	99
73) Isopropylbenzene	12.25	105	453437	21.215	ug/l	100
74) N-amyl acetate	12.07	43	201120	20.951	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	148669	21.115	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	200275	30.934	ug/l #	100
77) Bromobenzene	12.53	156	109971	21.153	ug/l	98
78) n-propylbenzene	12.60	91	535565	21.504	ug/l	100
79) 2-Chlorotoluene	12.68	91	317272	20.524	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	390435	21.397	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	46919	19.412	ug/l	97
82) 4-Chlorotoluene	12.78	91	325506	20.520	ug/l	100
83) tert-Butylbenzene	13.00	119	327991	20.982	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	386103	21.314	ug/l	99
85) sec-Butylbenzene	13.18	105	444731	21.591	ug/l	98
86) p-Isopropyltoluene	13.29	119	394198	21.057	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	194619	20.299	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	191259	19.620	ug/l	99
89) n-Butylbenzene	13.62	91	346545	20.020	ug/l	99
90) Hexachloroethane	13.88	117	68954	20.585	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	192490	20.600	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31807	19.336	ug/l	96

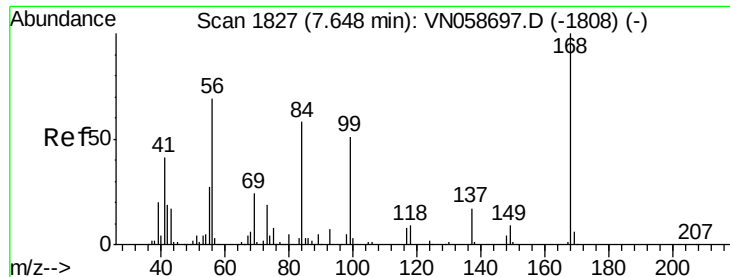
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
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MSVOA_N
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Quant Time: Oct 12 00:13:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 12 00:00:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	111248	19.516	ug/l	98
94) Hexachlorobutadiene	15.02	225	59291	19.752	ug/l	97
95) Naphthalene	15.13	128	325044	19.841	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	109086	19.601	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

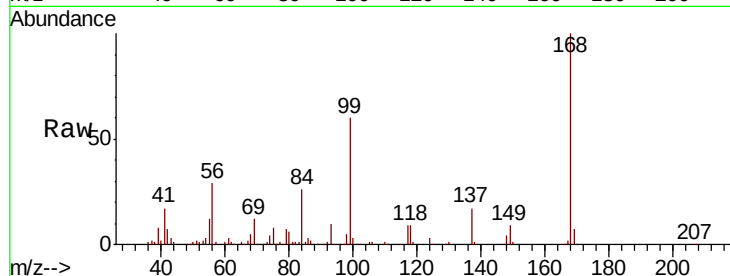
VN1013WBSD01

Tot Ion:168 Resp: 411844

Ion Ratio Lower Upper

168 100

99 60.4 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

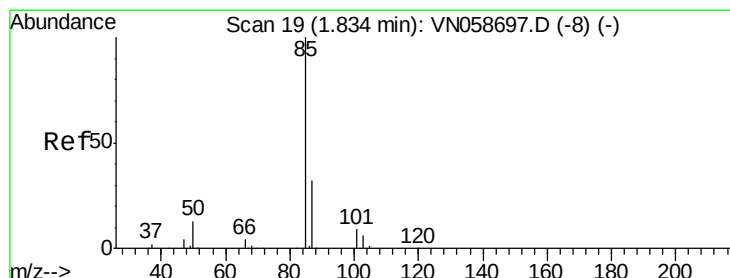
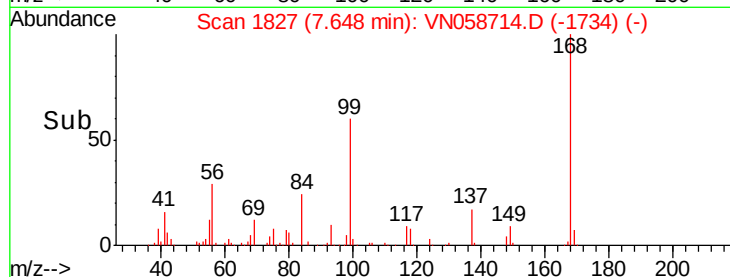
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 22.072 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058714.D

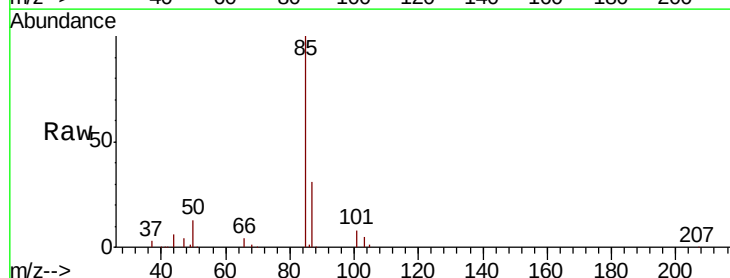
Acq: 11 Oct 2019 20:01

Tgt Ion: 85 Resp: 113212

Ion Ratio Lower Upper

85 100

87 31.2 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

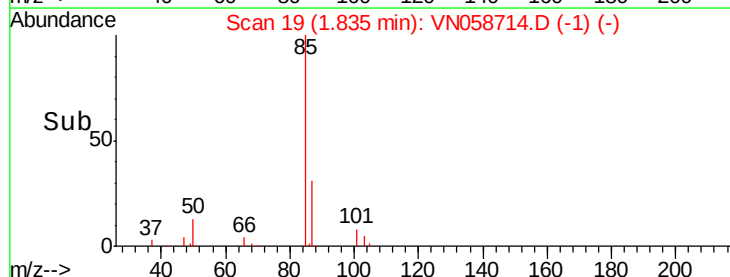
40000

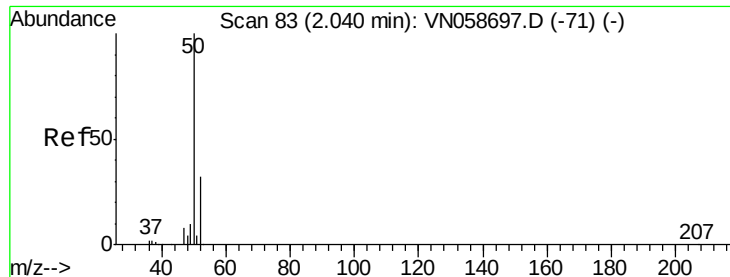
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.821 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

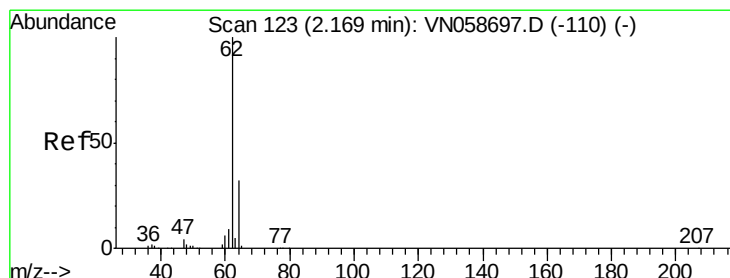
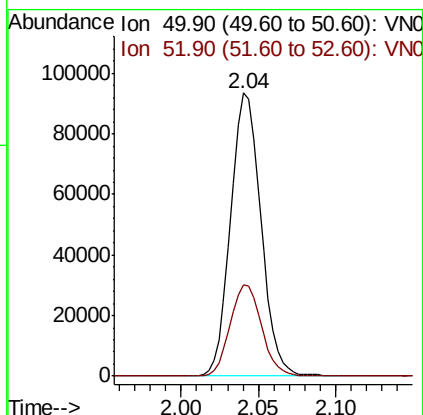
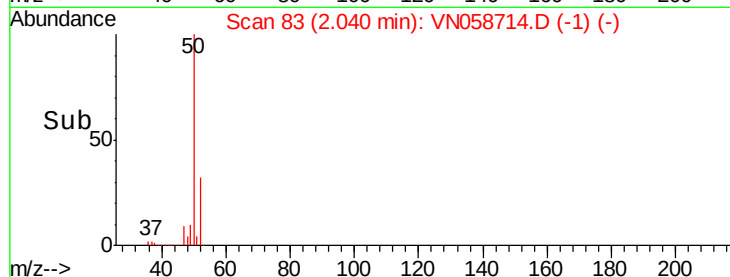
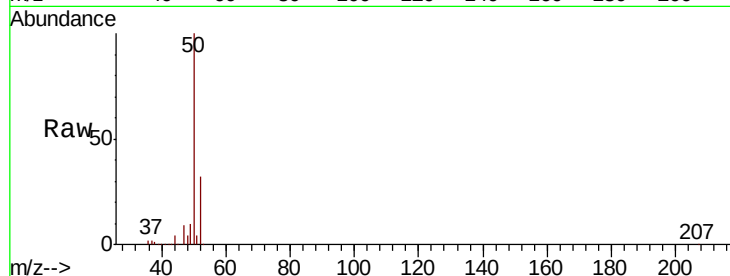
VN1013WBSD01

Tot Ion: 50 Resp: 126992

Ion Ratio Lower Upper

50 100

52 32.3 25.8 38.6



#4

Vinyl Chloride

Concen: 21.130 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058714.D

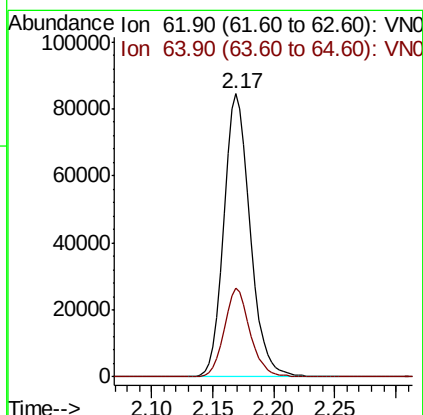
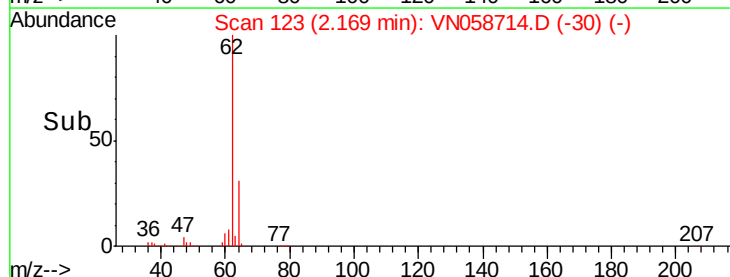
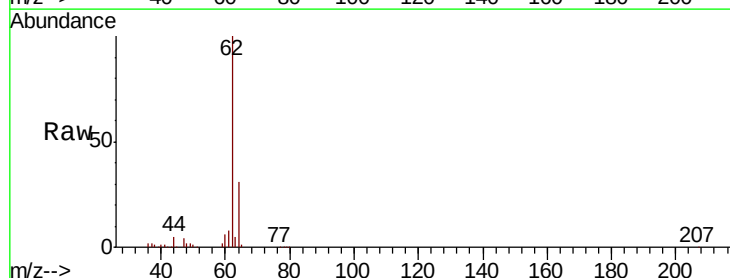
Acq: 11 Oct 2019 20:01

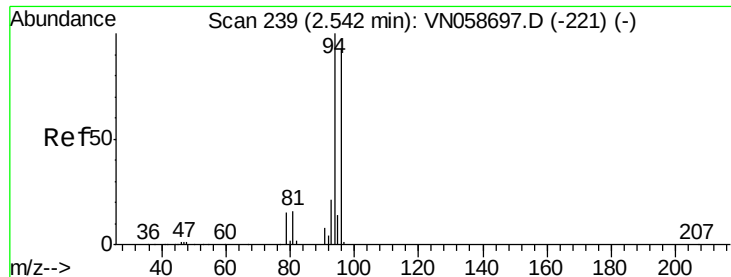
Tgt Ion: 62 Resp: 128361

Ion Ratio Lower Upper

62 100

64 31.4 25.3 37.9





#5

Bromomethane

Concen: 20.299 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

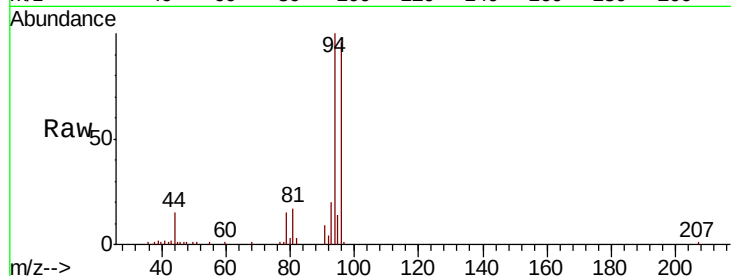
VN1013WBSD01

Tot Ion: 94 Resp: 75016

Ion Ratio Lower Upper

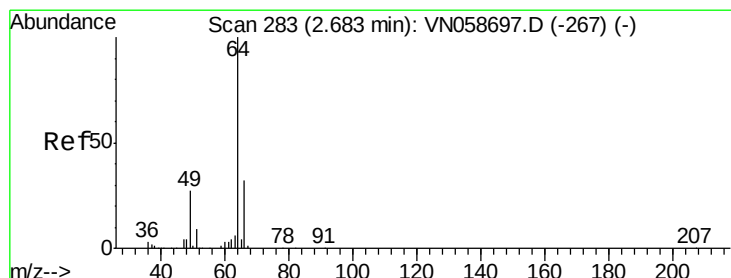
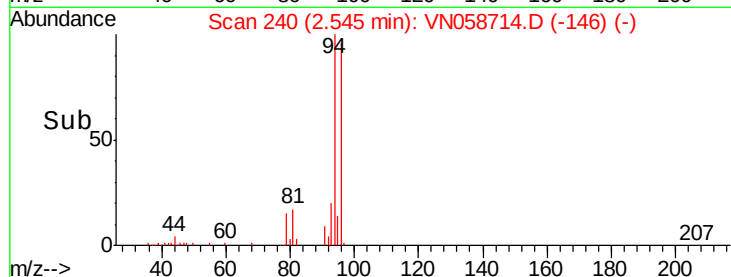
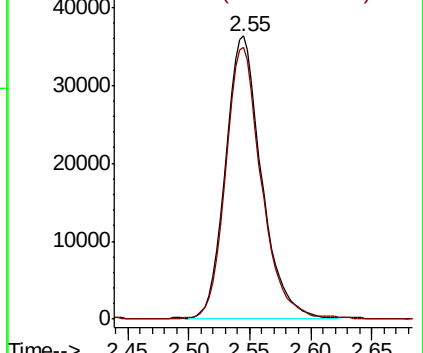
94 100

96 95.6 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.203 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058714.D

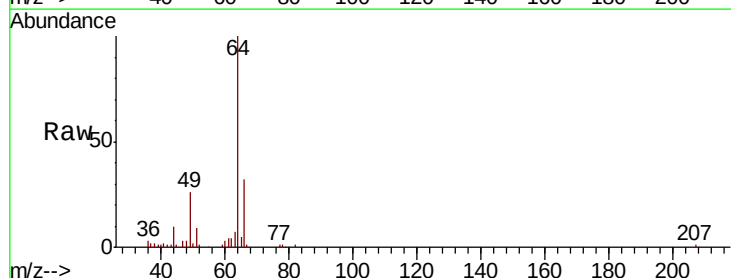
Acq: 11 Oct 2019 20:01

Tgt Ion: 64 Resp: 79449

Ion Ratio Lower Upper

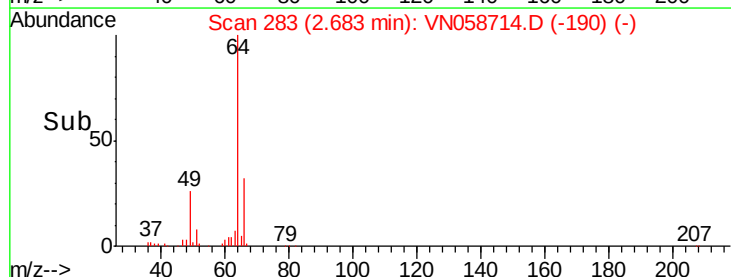
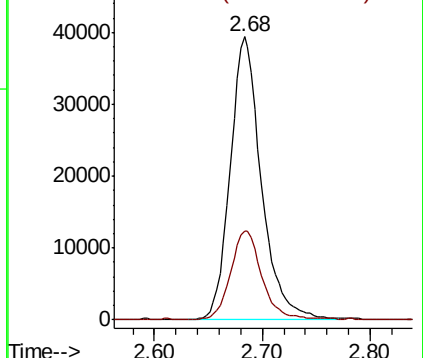
64 100

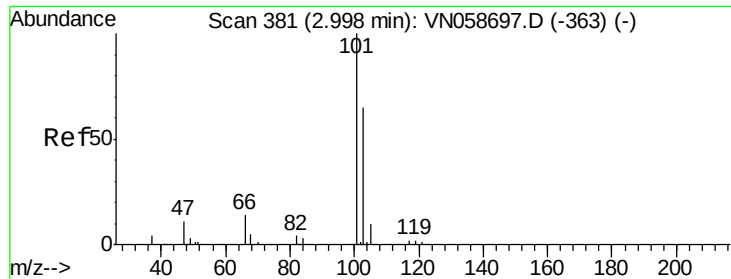
66 31.6 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



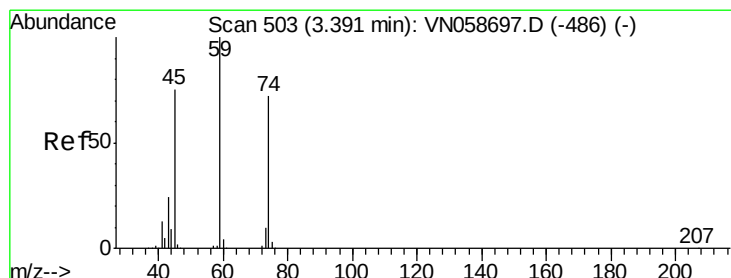
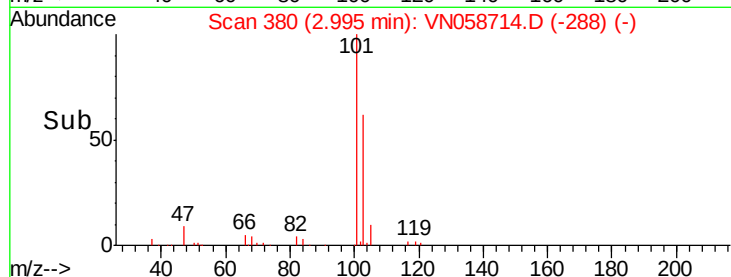
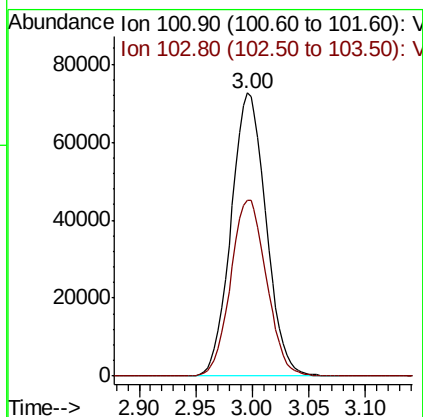
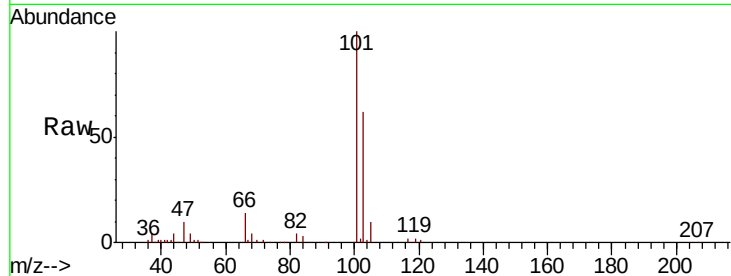


#7

Trichlorofluoromethane
Concen: 21.520 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

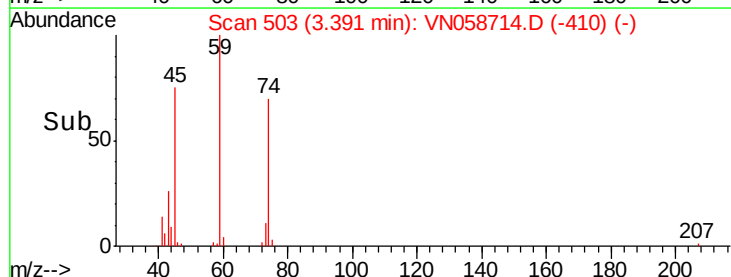
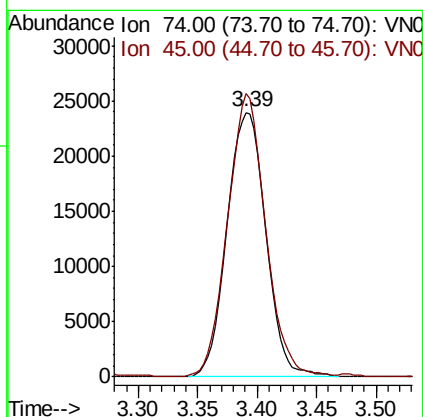
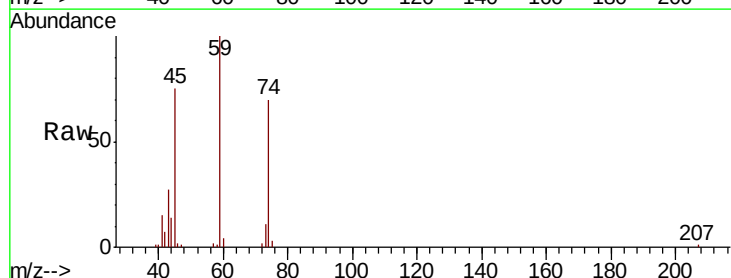
Tot Ion:101 Resp: 156457
Ion Ratio Lower Upper
101 100
103 62.3 51.8 77.6

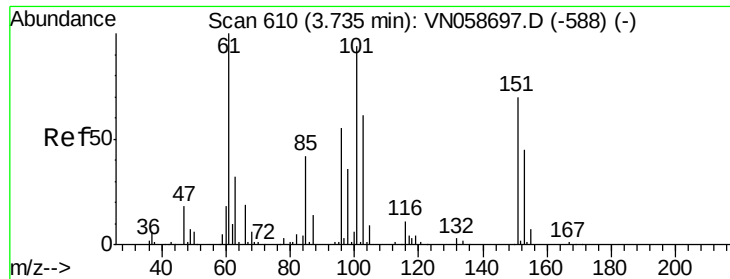


#8

Diethyl Ether
Concen: 20.182 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Tgt Ion: 74 Resp: 54213
Ion Ratio Lower Upper
74 100
45 105.0 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.022 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD01

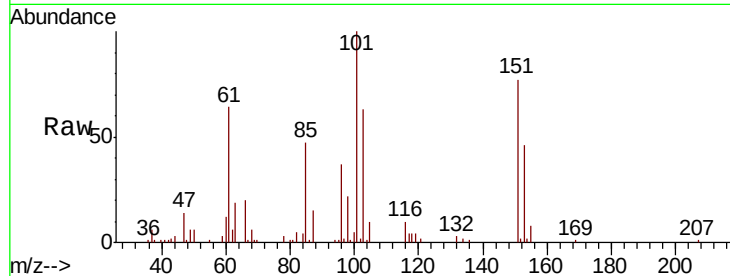
Tot Ion:101 Resp: 87146

Ion Ratio Lower Upper

101 100

85 45.4 37.0 55.6

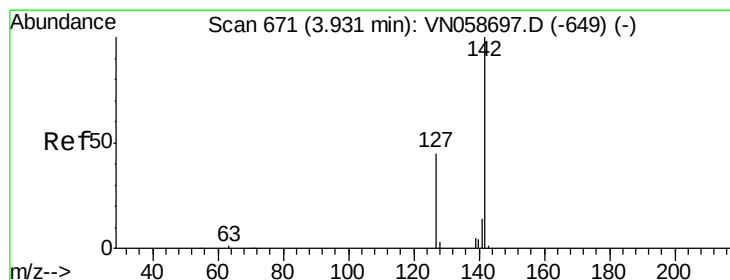
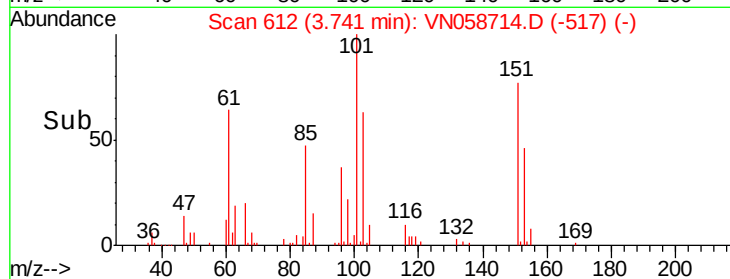
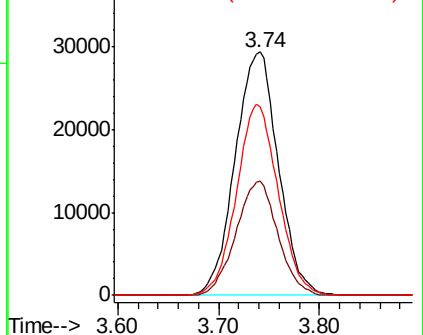
151 75.7 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.651 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

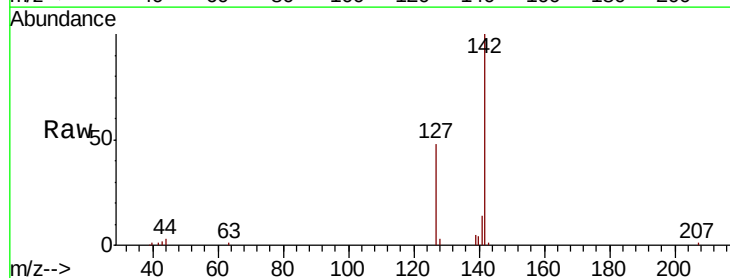
Tgt Ion:142 Resp: 111163

Ion Ratio Lower Upper

142 100

127 47.1 36.4 54.6

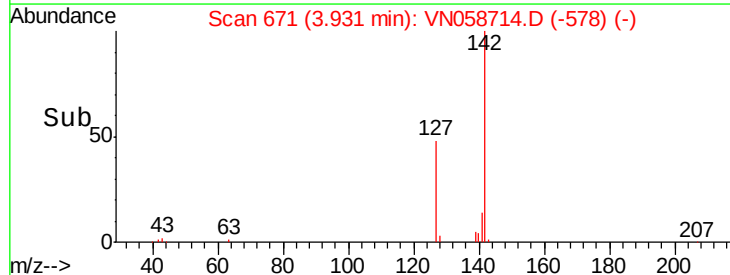
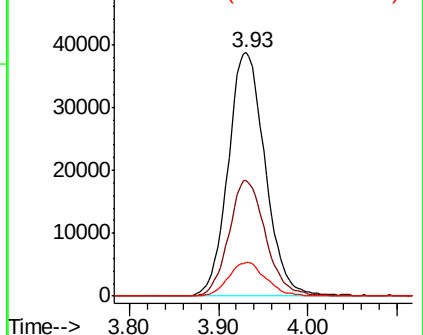
141 13.9 11.1 16.7

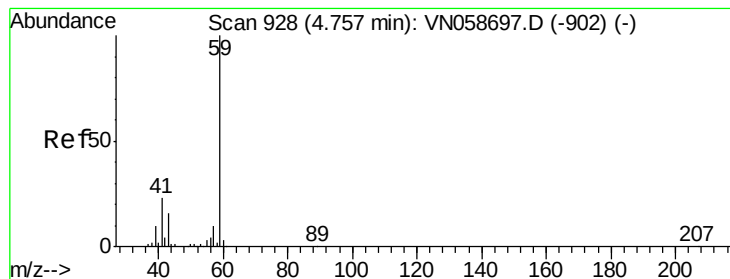


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



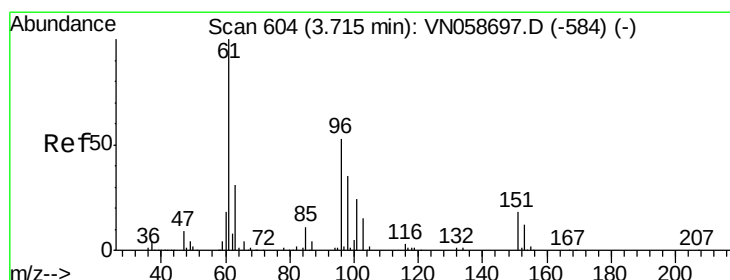
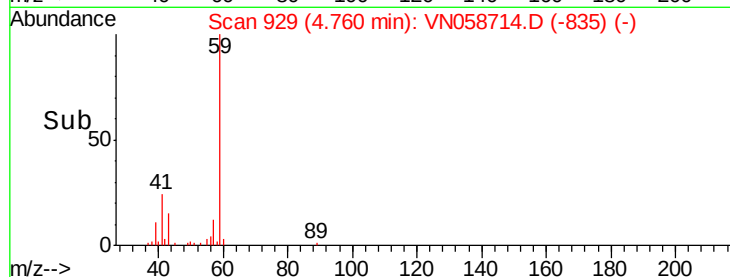
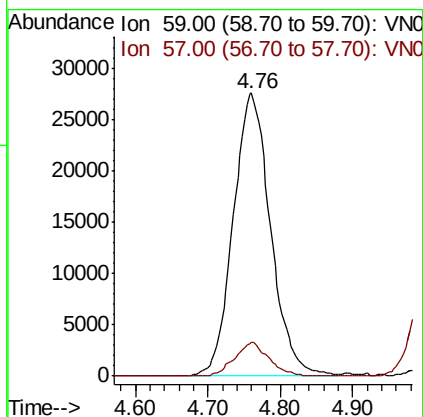
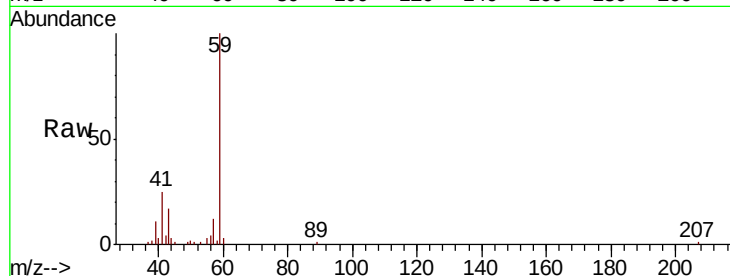


#11

Tert butyl alcohol
 Concen: 105.802 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN058714.D
 Acq: 11 Oct 2019 20:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD01

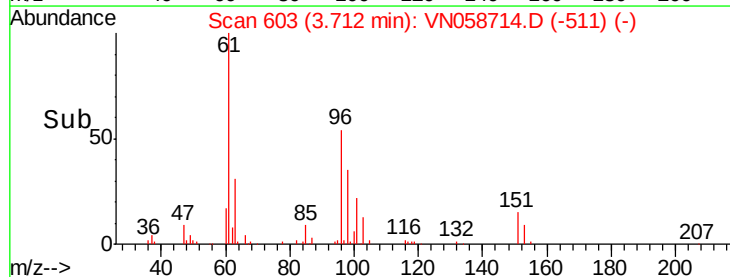
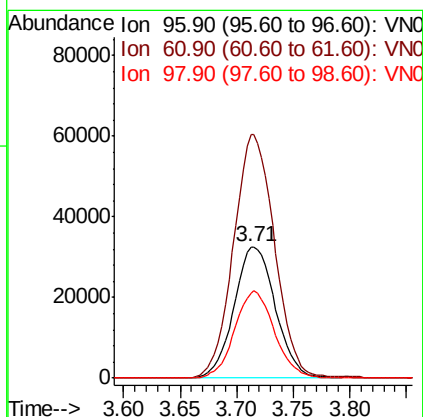
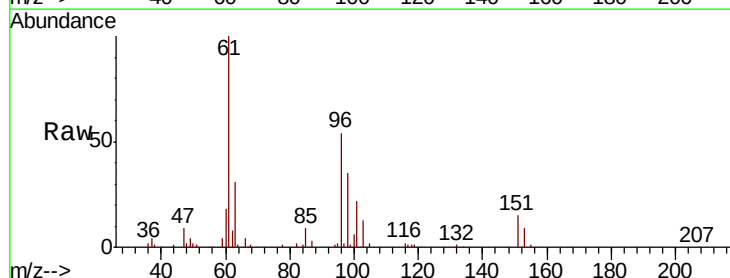
Tot Ion: 59 Resp: 98795
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.4 12.6

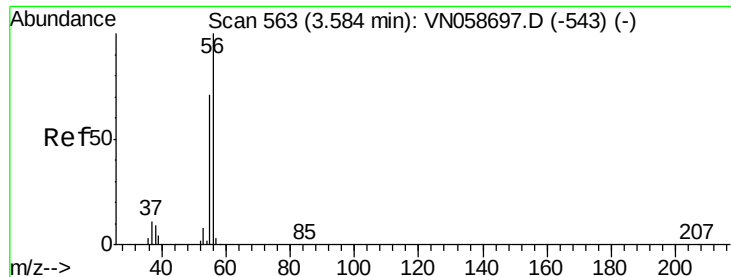


#12

1,1-Dichloroethene
 Concen: 20.949 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN058714.D
 Acq: 11 Oct 2019 20:01

Tgt Ion: 96 Resp: 82856
 Ion Ratio Lower Upper
 96 100
 61 185.1 151.3 226.9
 98 64.4 52.6 78.8





#13

Acrolein

Concen: 93.509 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

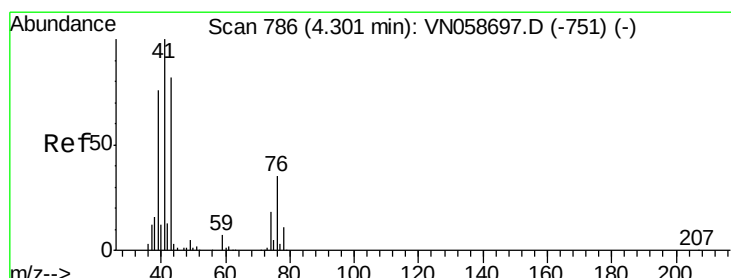
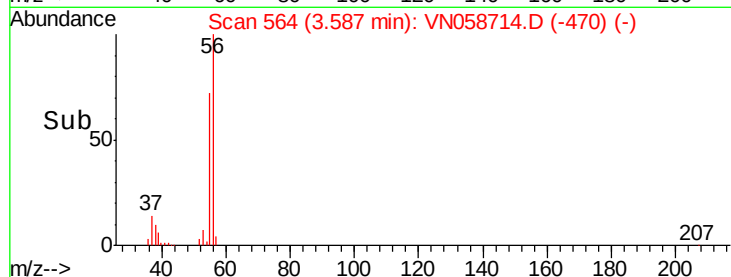
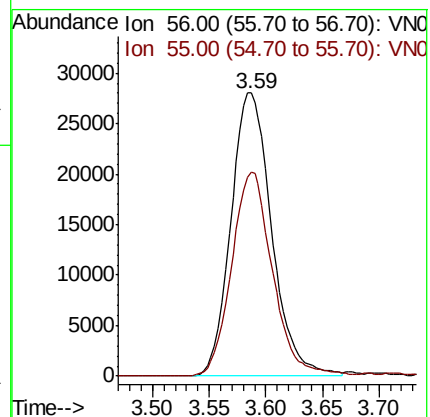
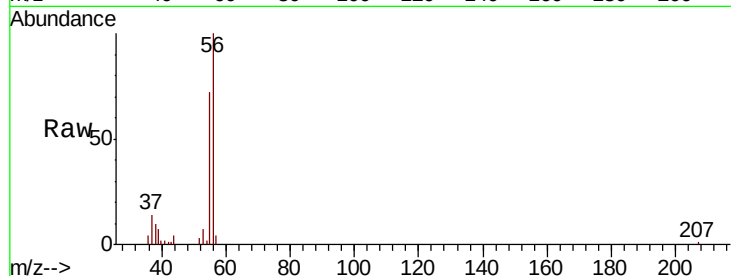
VN1013WBSD01

Tot Ion: 56 Resp: 70224

Ion Ratio Lower Upper

56 100

55 72.5 56.7 85.1



#14

Allyl chloride

Concen: 20.184 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

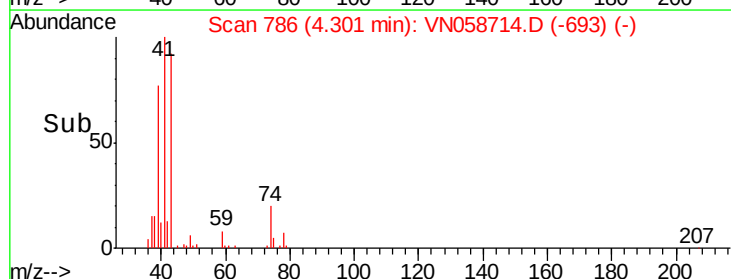
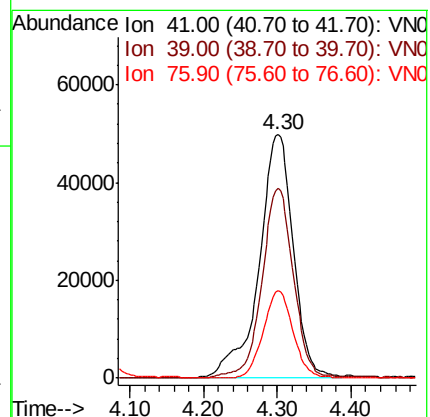
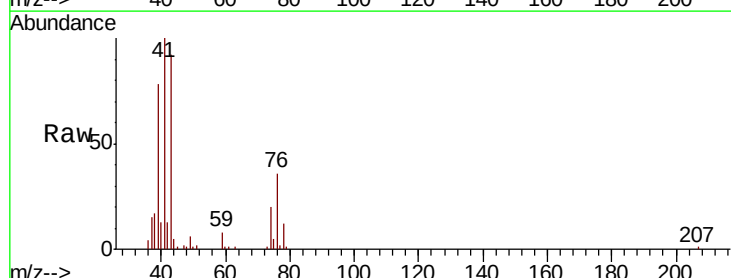
Tgt Ion: 41 Resp: 161105

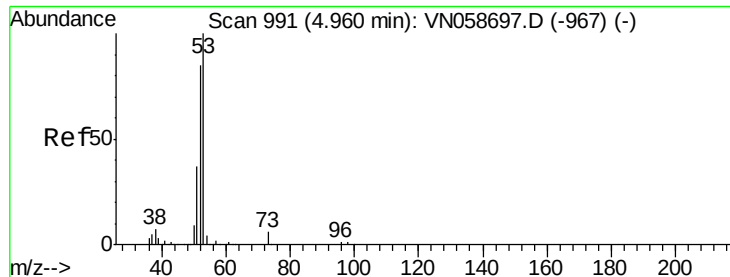
Ion Ratio Lower Upper

41 100

39 71.7 57.2 85.8

76 31.2 25.0 37.6





#15

Acrylonitrile

Concen: 107.631 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD01

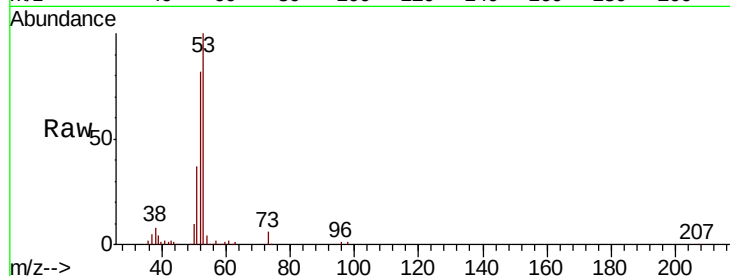
Tot Ion: 53 Resp: 253452

Ion Ratio Lower Upper

53 100

52 82.8 66.2 99.2

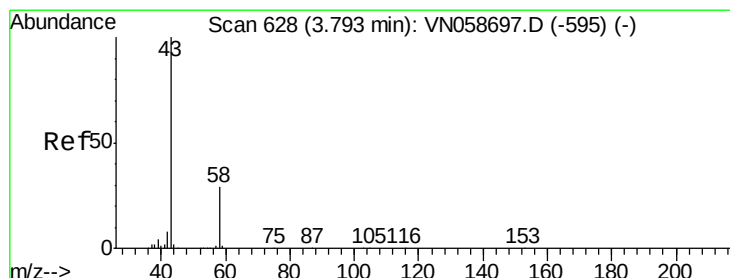
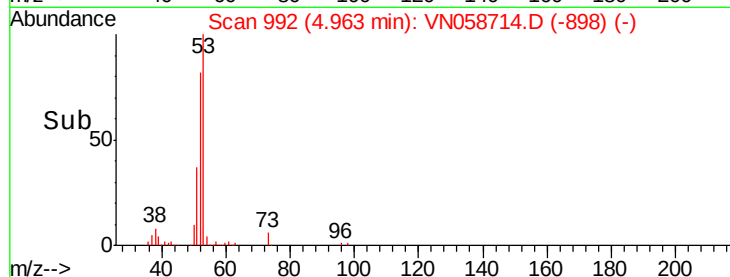
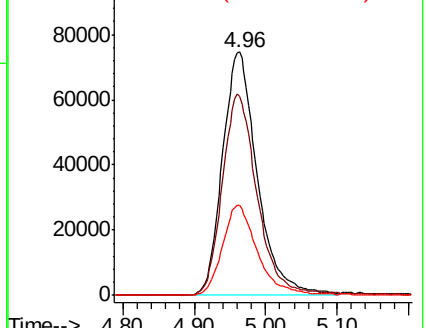
51 37.1 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VN058714.D (-967) (-)

Ion 52.00 (51.70 to 52.70): VN058714.D (-967) (-)

Ion 51.00 (50.70 to 51.70): VN058714.D (-967) (-)



#16

Acetone

Concen: 97.716 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058714.D

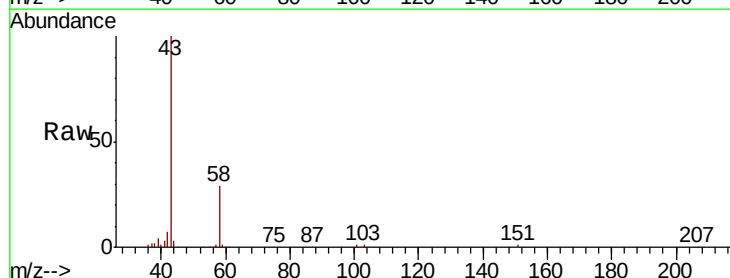
Acq: 11 Oct 2019 20:01

Tgt Ion: 43 Resp: 233248

Ion Ratio Lower Upper

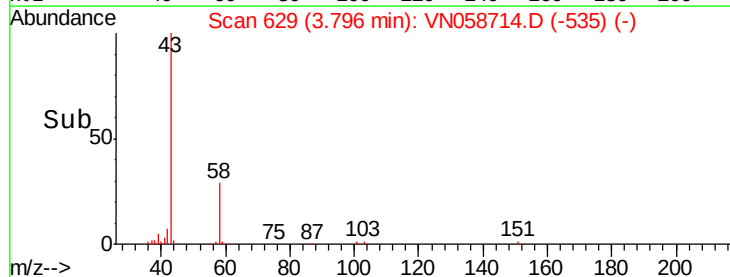
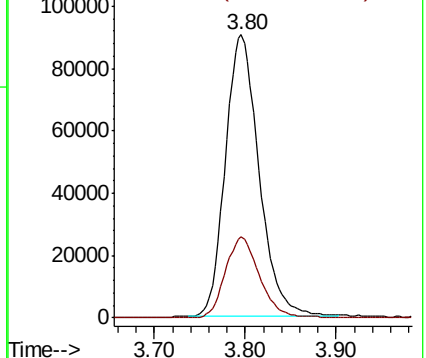
43 100

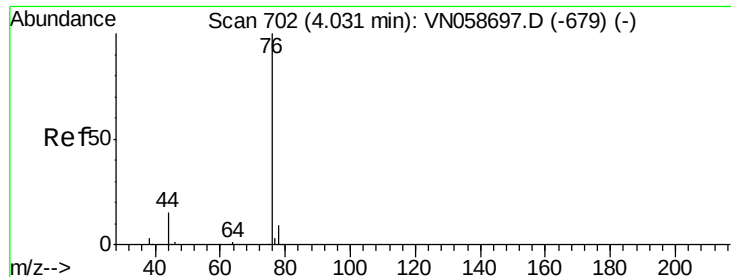
58 28.9 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN058714.D (-535) (-)

Ion 58.00 (57.70 to 58.70): VN058714.D (-535) (-)





#17

Carbon Disulfide

Concen: 19.883 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

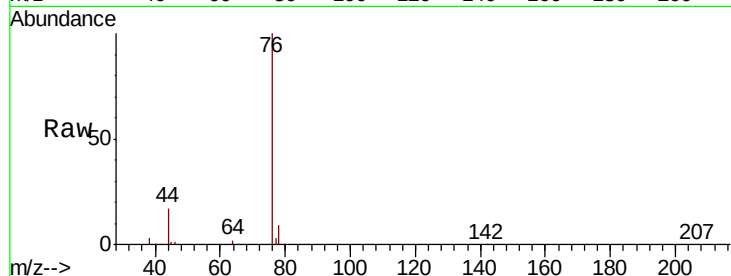
VN1013WBSD01

Tot Ion: 76 Resp: 251380

Ion Ratio Lower Upper

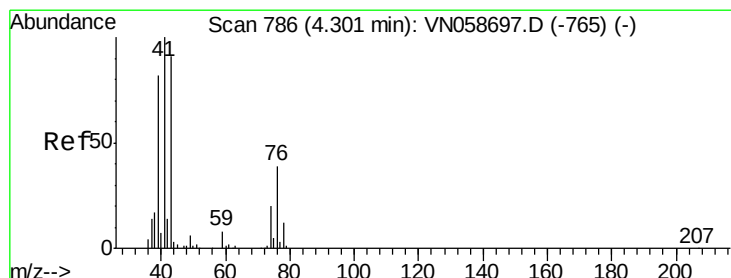
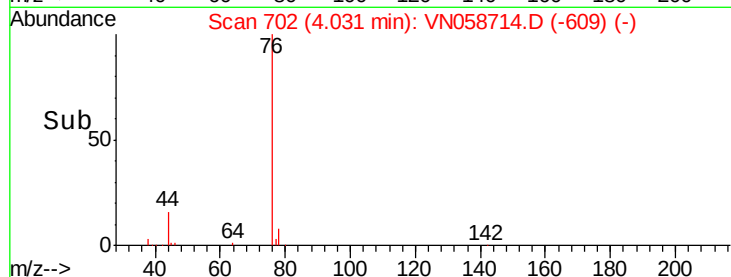
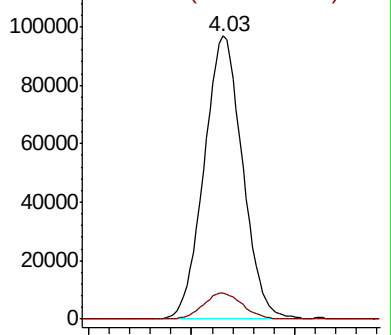
76 100

78 9.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 22.182 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058714.D

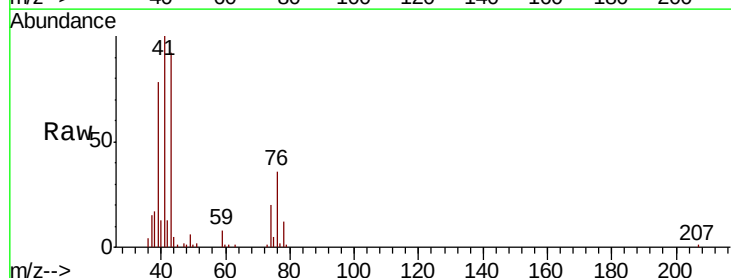
Acq: 11 Oct 2019 20:01

Tgt Ion: 43 Resp: 134307

Ion Ratio Lower Upper

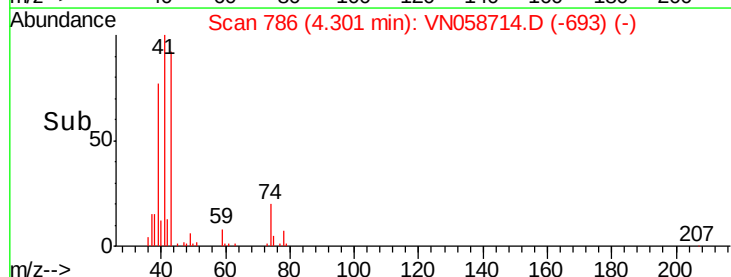
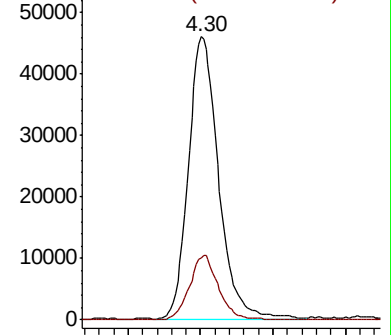
43 100

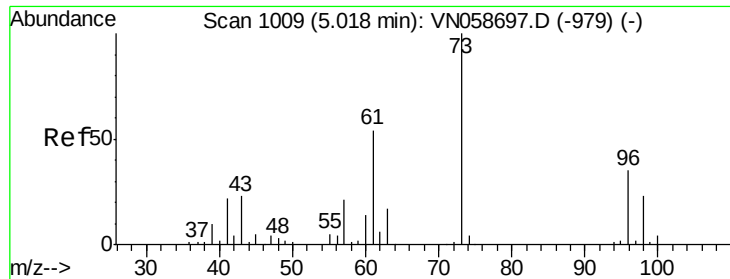
74 21.4 17.2 25.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

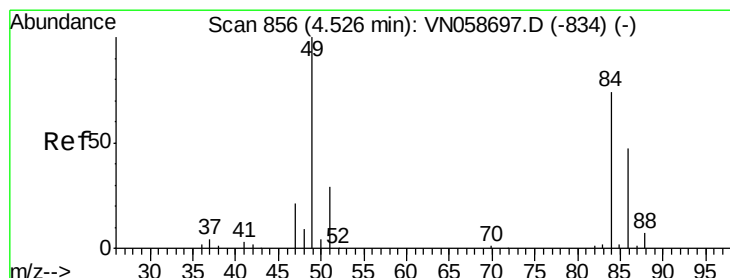
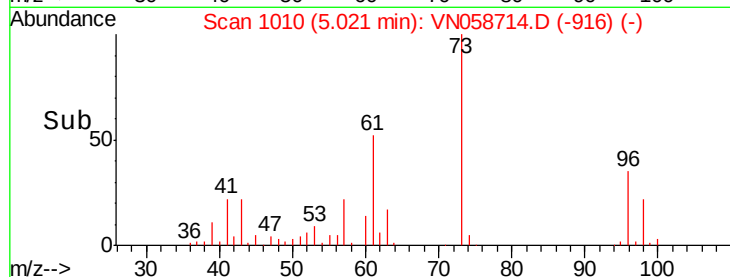
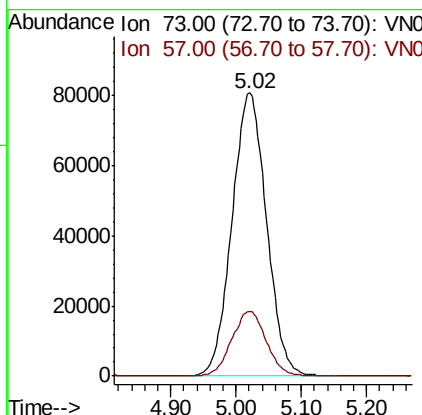
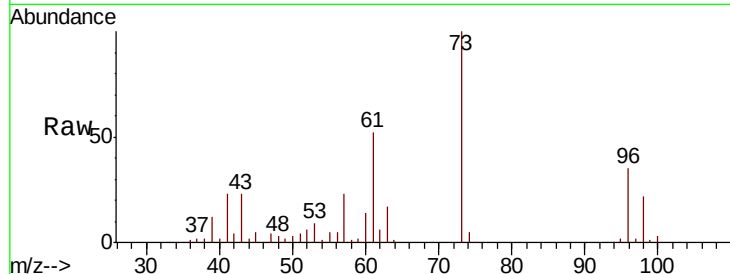




#19
Methyl tert-butyl Ether
Concen: 21.005 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

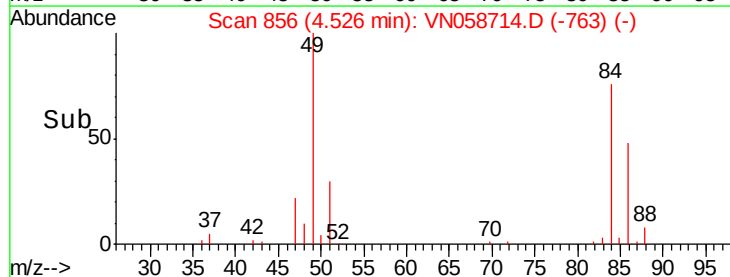
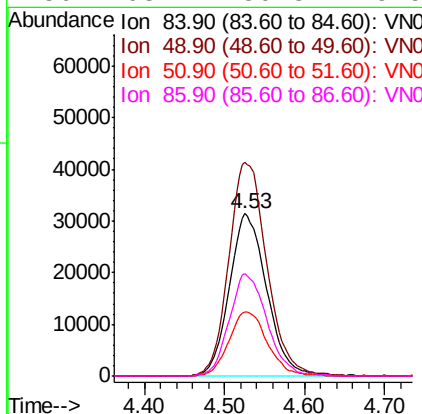
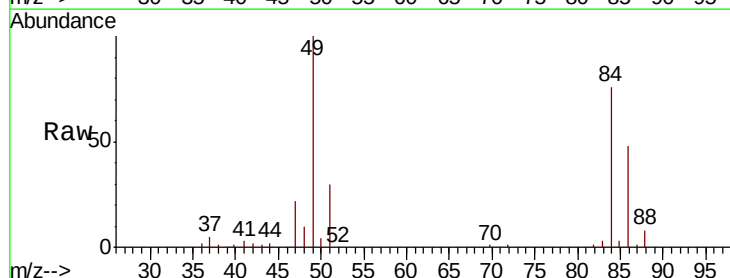
Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

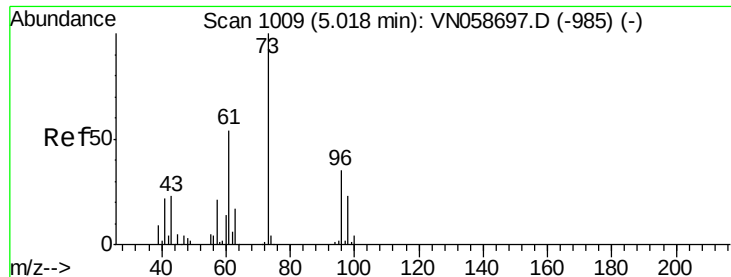
Tot Ion: 73 Resp: 296654
Ion Ratio Lower Upper
73 100
57 22.8 17.0 25.6



#20
Methylene Chloride
Concen: 19.966 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Tgt Ion: 84 Resp: 99604
Ion Ratio Lower Upper
84 100
49 131.7 107.6 161.4
51 39.5 31.4 47.0
86 63.4 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 20.445 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD01

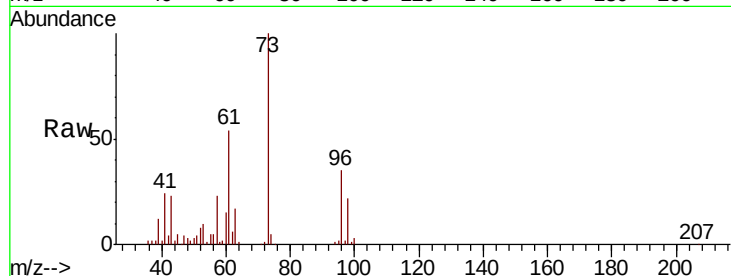
Tot Ion: 96 Resp: 90452

Ion Ratio Lower Upper

96 100

61 154.3 123.6 185.4

98 63.2 52.1 78.1

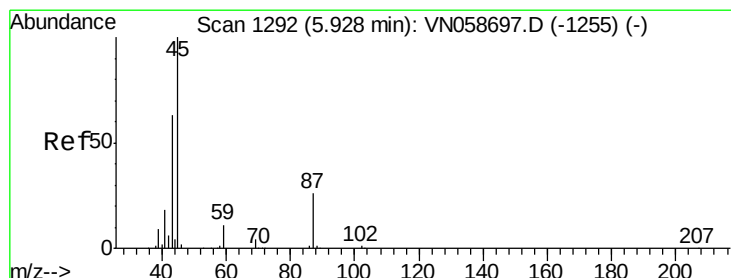
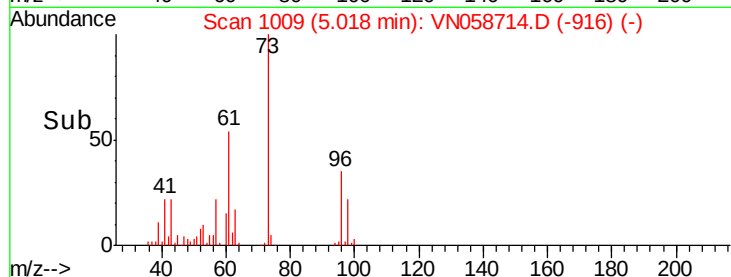
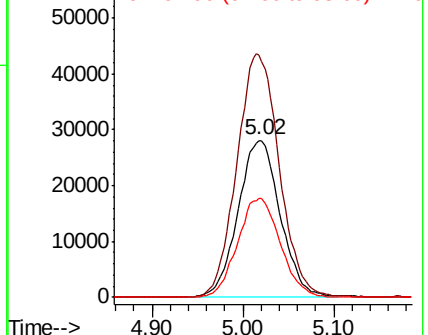


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 21.124 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Tgt Ion: 45 Resp: 327830

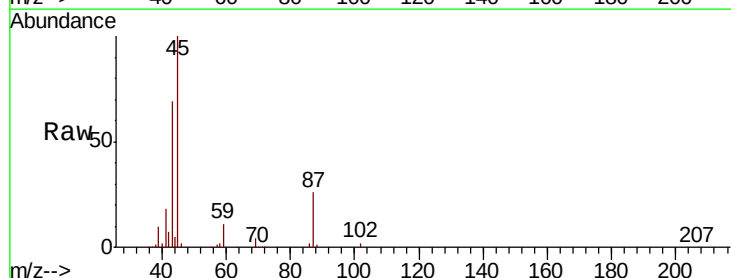
Ion Ratio Lower Upper

45 100

43 68.3 50.6 75.8

87 25.8 21.1 31.7

59 11.3 9.0 13.4



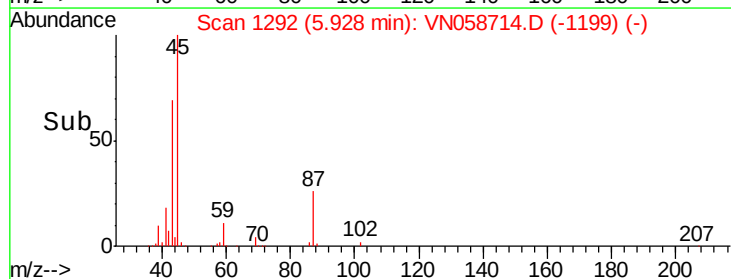
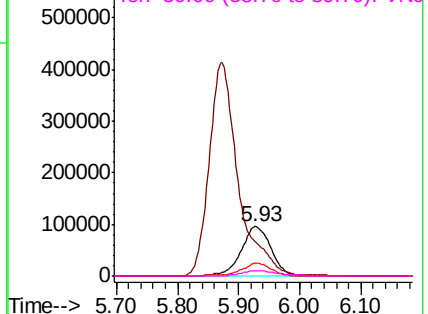
Abundance

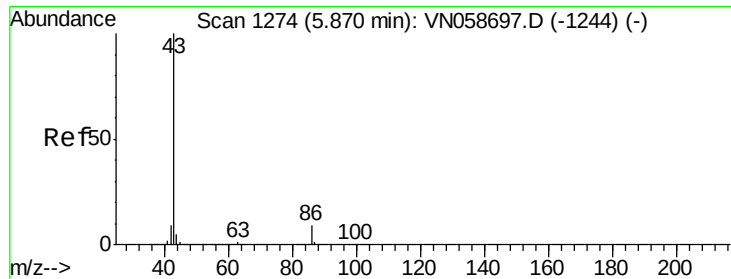
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 110.174 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

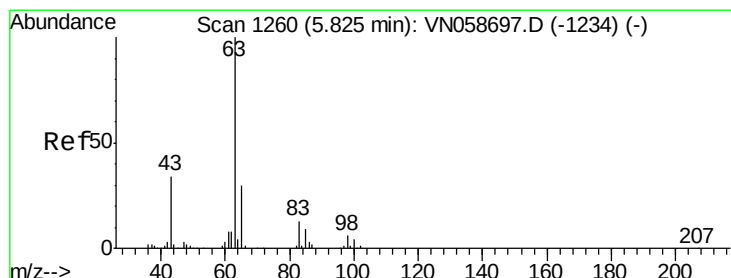
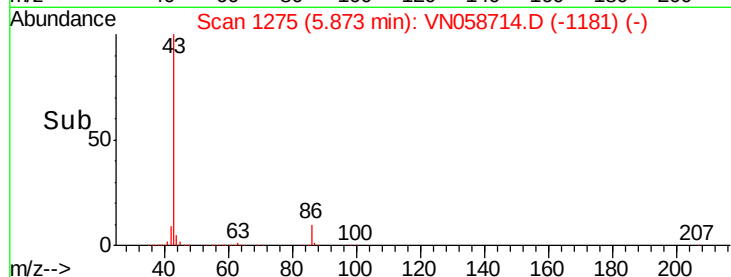
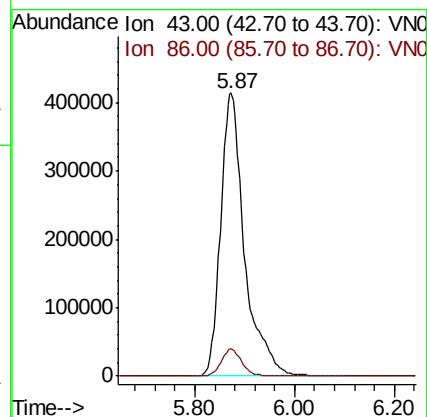
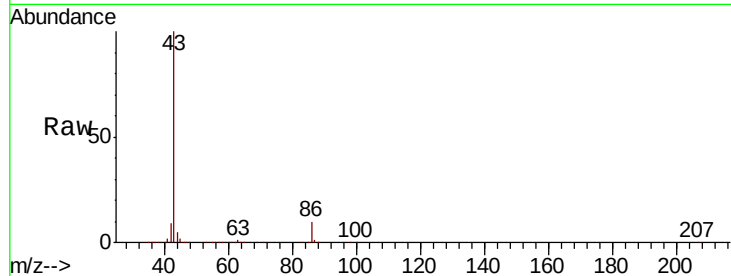
VN1013WBSD01

Tot Ion: 43 Resp: 1379659

Ion Ratio Lower Upper

43 100

86 9.5 7.4 11.0



#24

1,1-Dichloroethane

Concen: 20.966 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

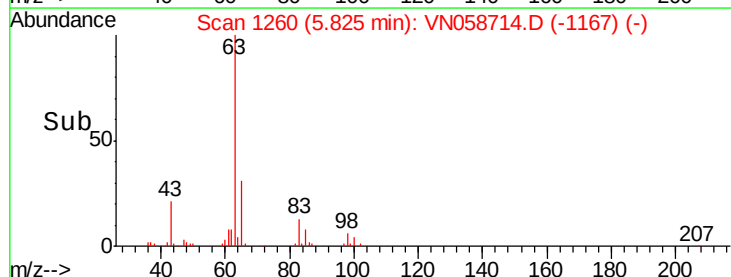
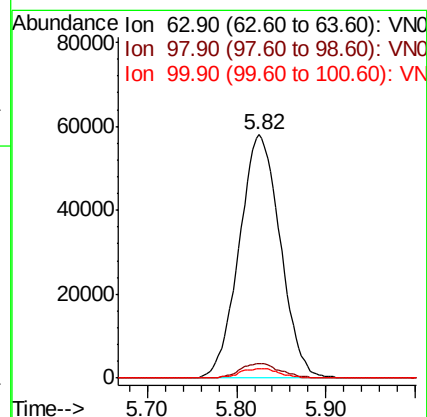
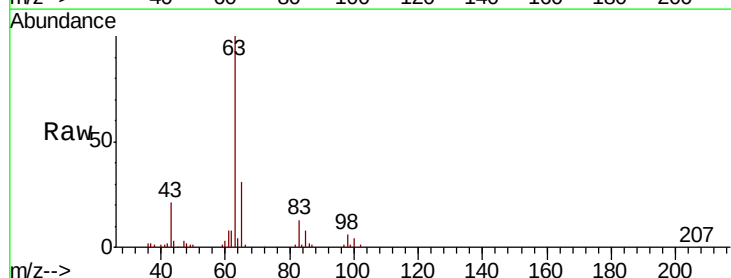
Tgt Ion: 63 Resp: 185310

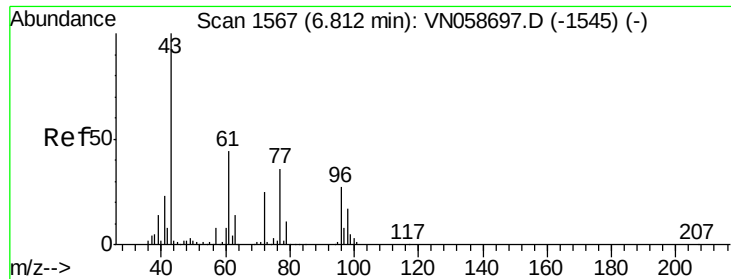
Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

100 3.8 1.8 5.5





#25

2-Butanone

Concen: 104.134 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

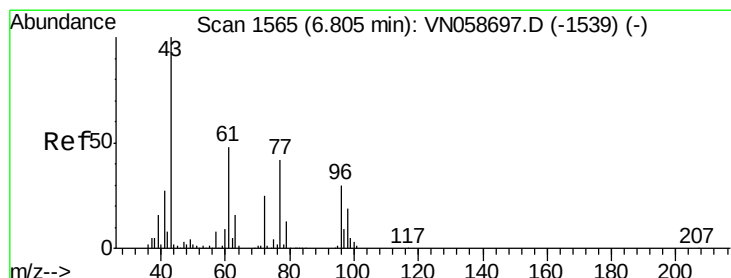
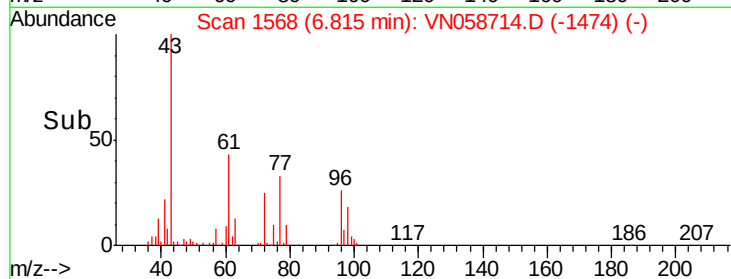
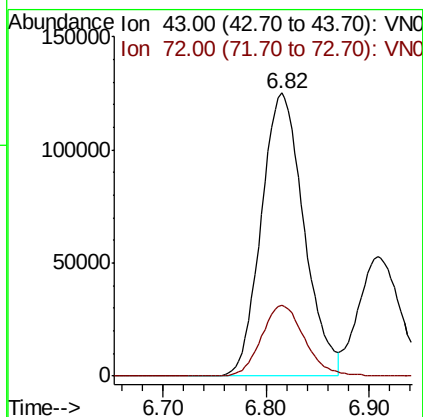
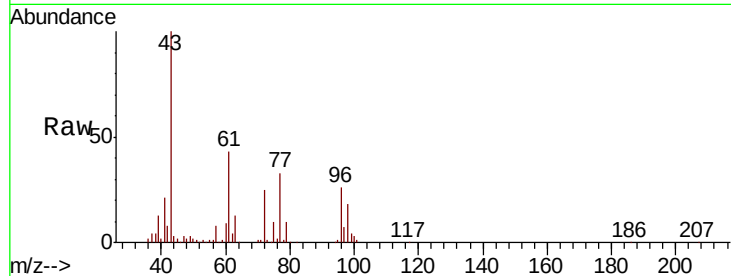
VN1013WBSD01

Tot Ion: 43 Resp: 359278

Ion Ratio Lower Upper

43 100

72 24.9 20.2 30.2



#26

2,2-Dichloropropane

Concen: 18.935 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058714.D

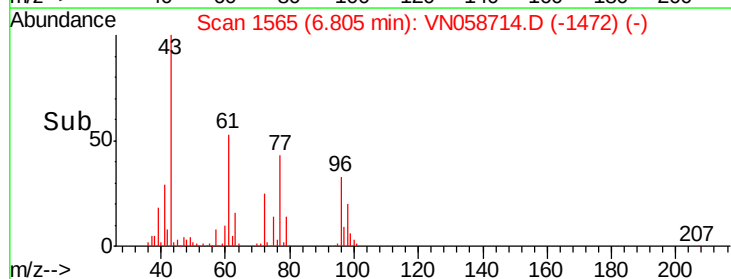
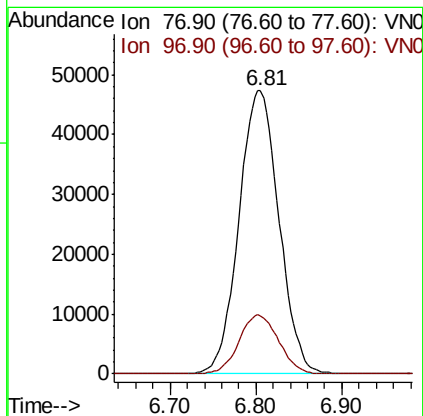
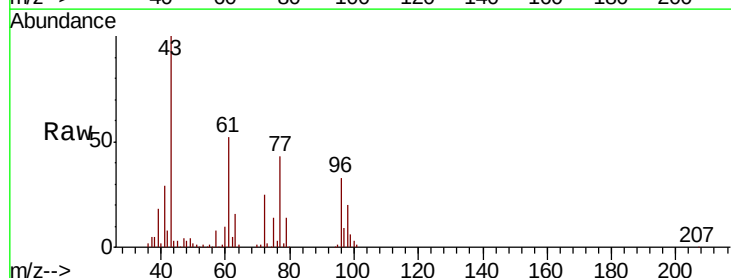
Acq: 11 Oct 2019 20:01

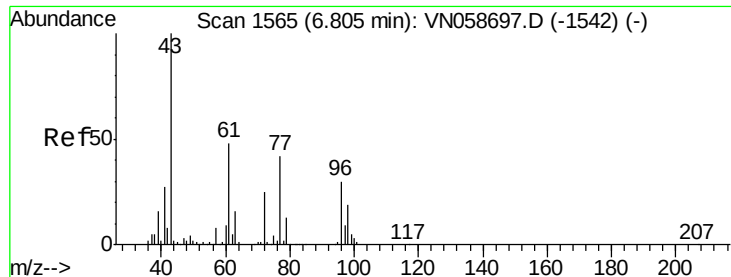
Tgt Ion: 77 Resp: 152770

Ion Ratio Lower Upper

77 100

97 20.6 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 20.197 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampled :

VN1013WBSD01

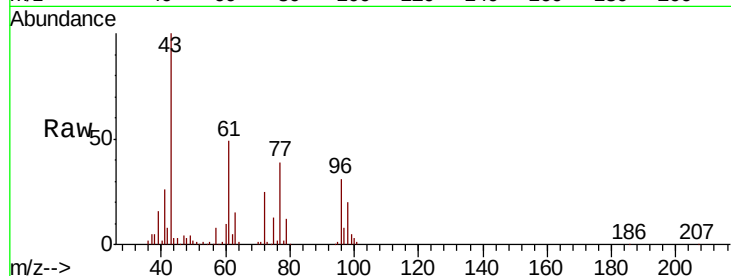
Tot Ion: 96 Resp: 104197

Ion Ratio Lower Upper

96 100

61 160.8 0.0 324.8

98 65.5 0.0 129.2

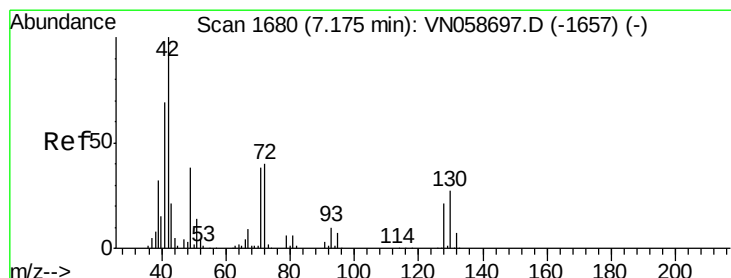
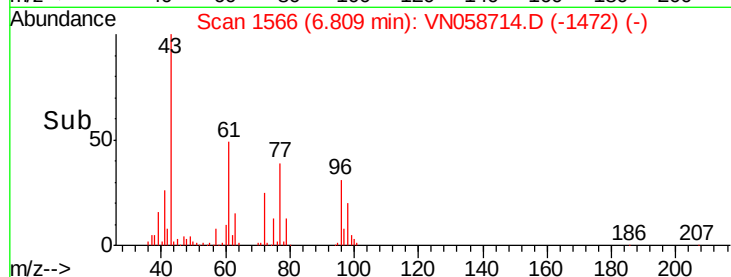
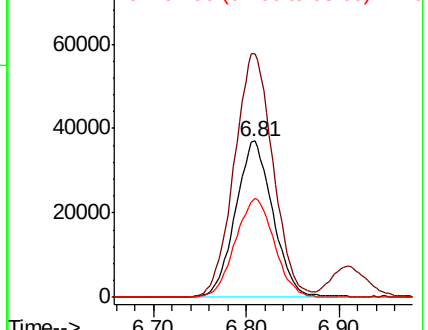


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.953 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

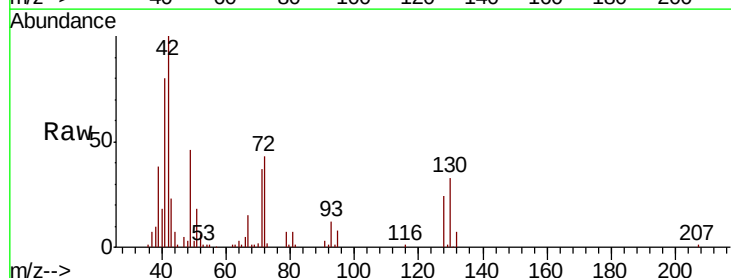
Tgt Ion: 49 Resp: 64428

Ion Ratio Lower Upper

49 100

129 1.2 0.0 3.6

130 70.2 55.0 82.4

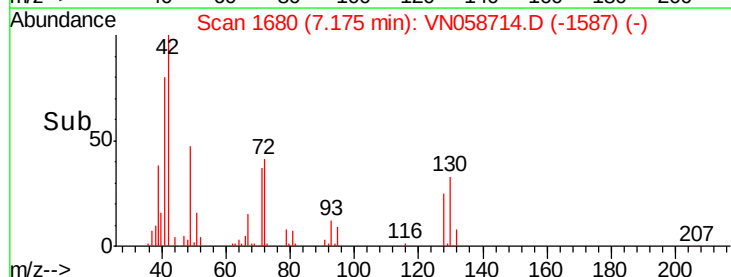
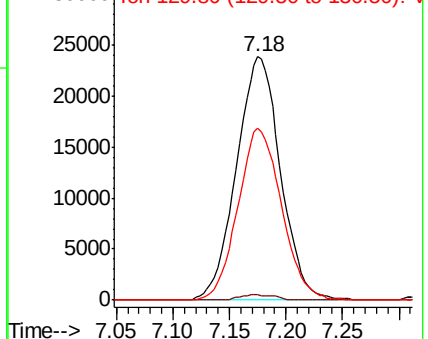


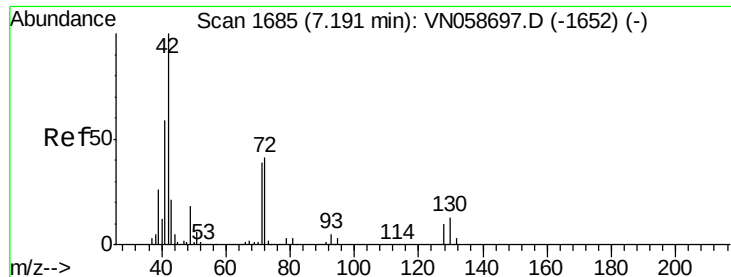
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

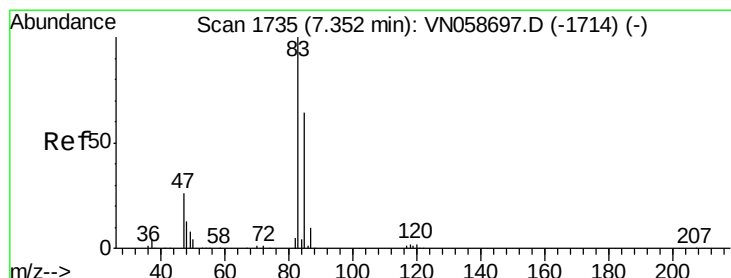
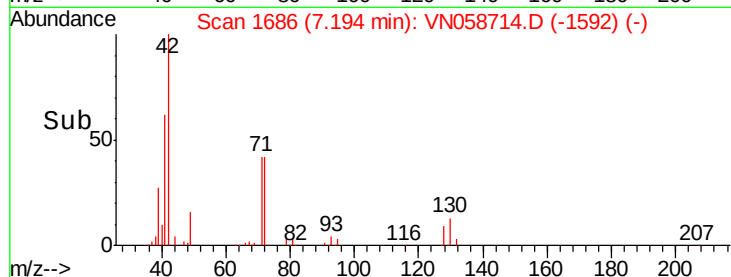
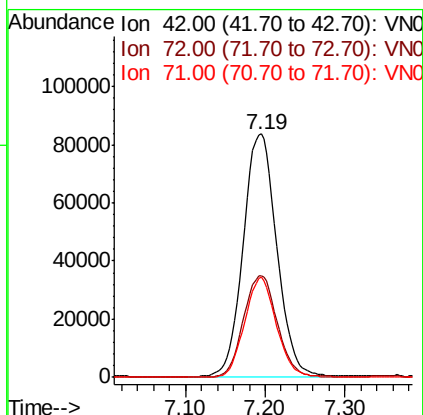
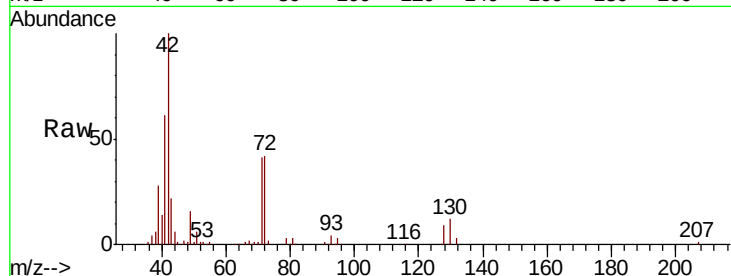




#29
Tetrahydrofuran
Concen: 106.647 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

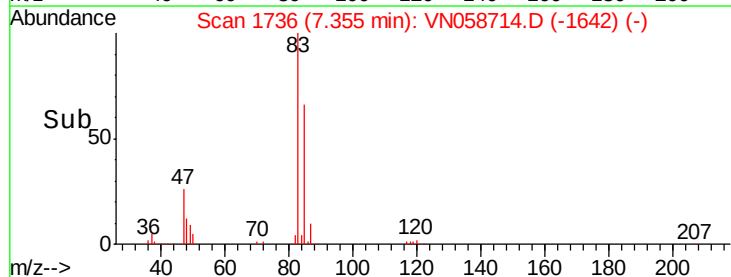
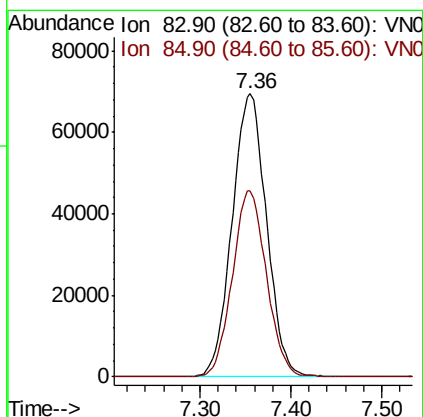
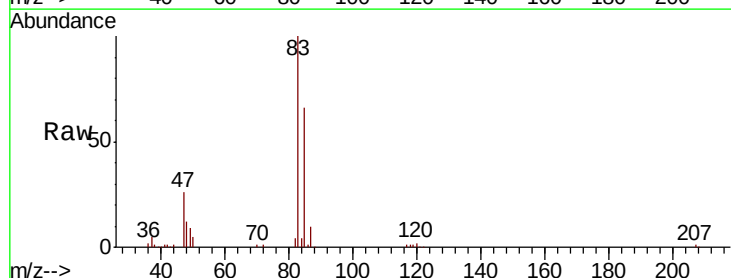
Instrument :
MSVOA_N
ClientSampled :
VN1013WBSD01

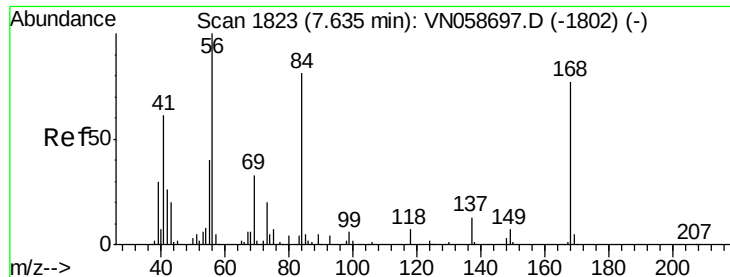
Tot Ion: 42 Resp: 237779
Ion Ratio Lower Upper
42 100
72 42.4 32.8 49.2
71 38.8 31.1 46.7



#30
Chloroform
Concen: 20.563 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Tgt Ion: 83 Resp: 182609
Ion Ratio Lower Upper
83 100
85 65.5 51.0 76.6

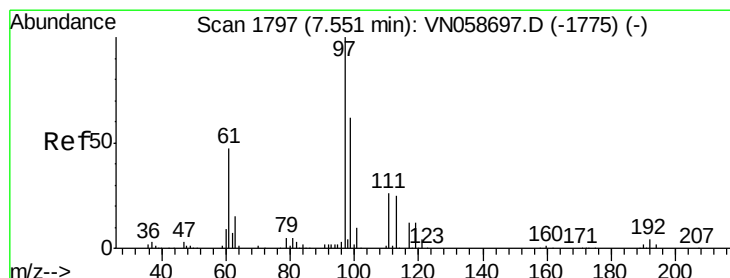
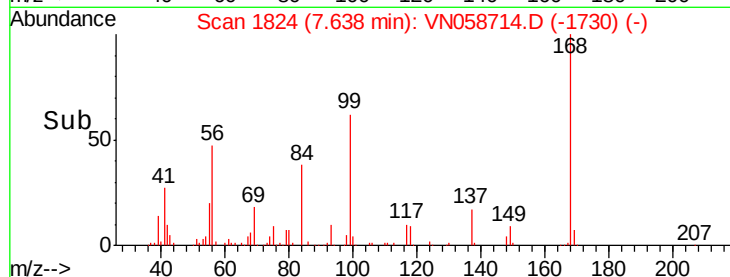
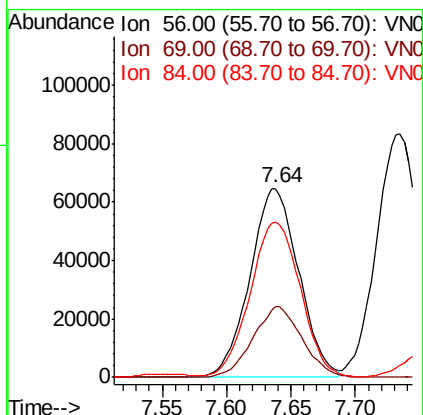
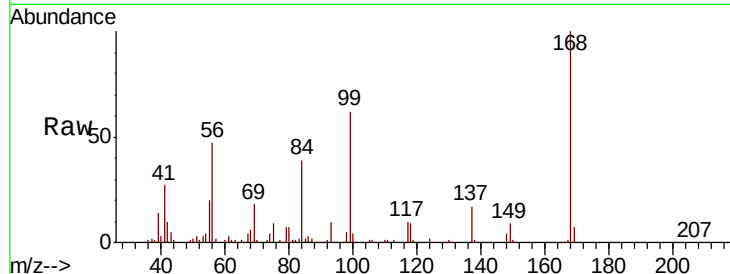




#31
Cyclohexane
Concen: 20.125 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

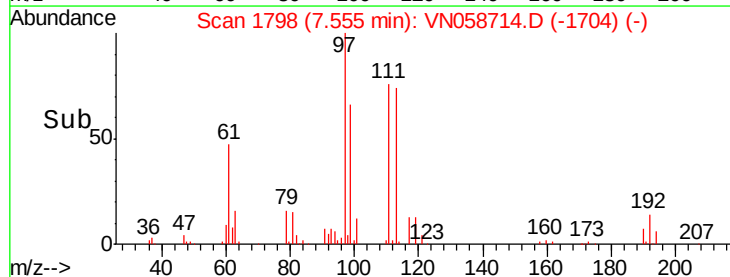
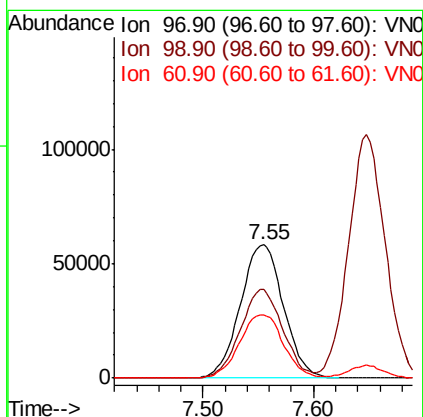
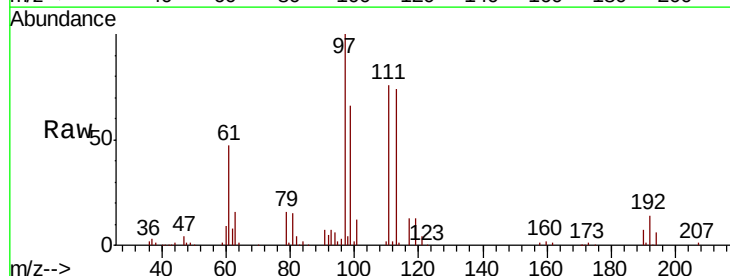
Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

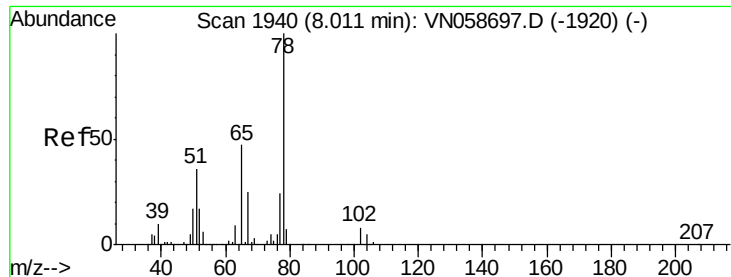
Tot Ion: 56 Resp: 170201
Ion Ratio Lower Upper
56 100
69 37.7 26.2 39.4
84 81.1 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 20.837 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Tgt Ion: 97 Resp: 157804
Ion Ratio Lower Upper
97 100
99 65.3 50.8 76.2
61 48.3 38.1 57.1

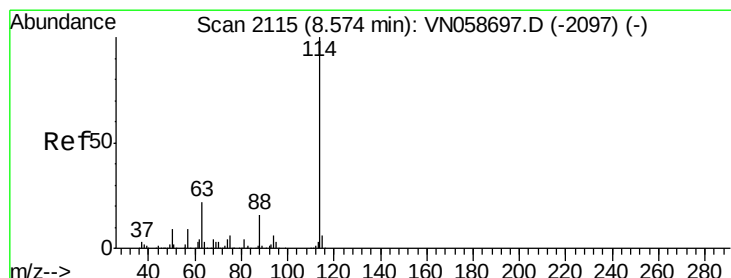
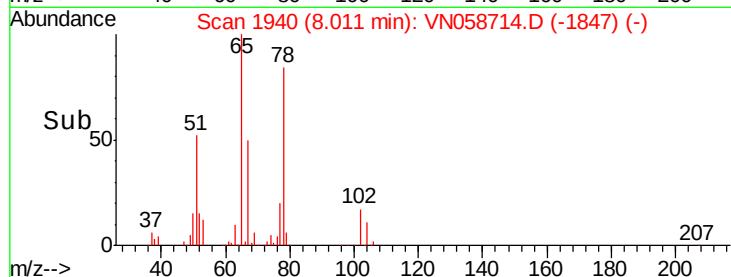
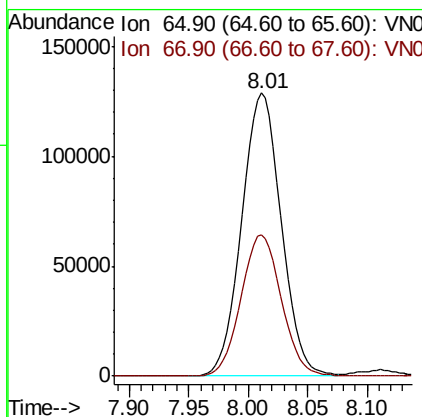
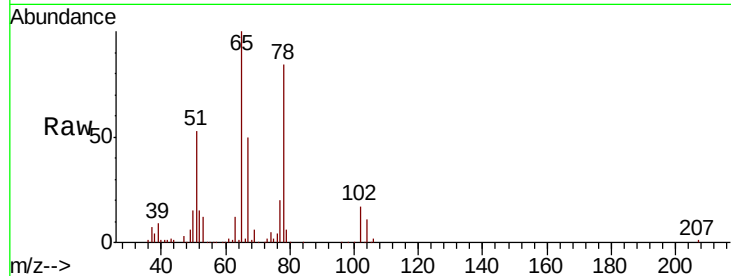




#33
 1,2-Dichloroethane-d4
 Concen: 51.431 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058714.D
 Acq: 11 Oct 2019 20:01

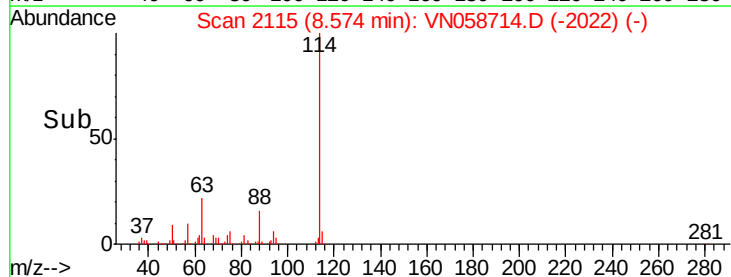
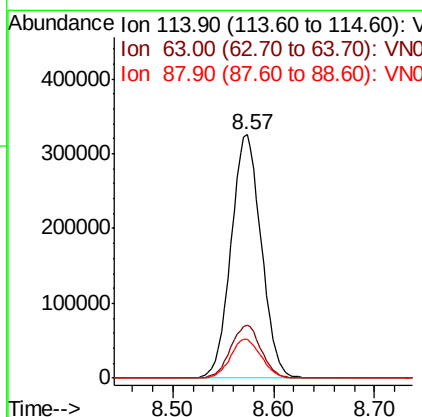
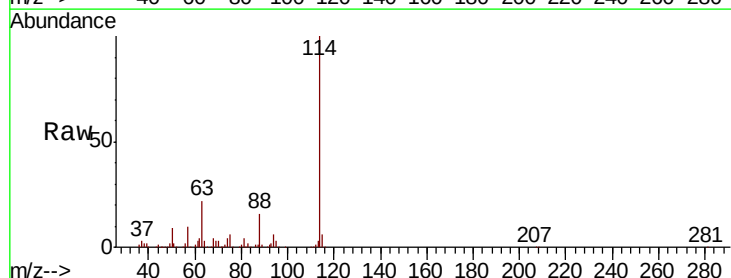
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD01

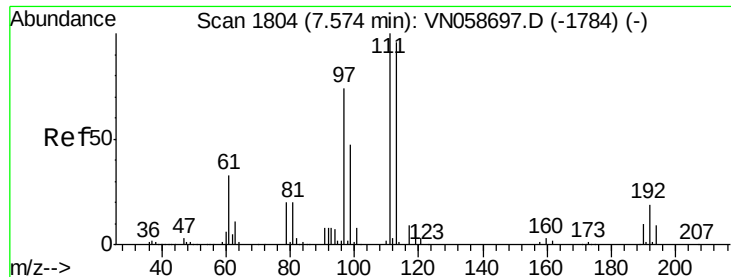
Tot Ion: 65 Resp: 296536
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058714.D
 Acq: 11 Oct 2019 20:01

Tgt Ion: 114 Resp: 675770
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.8
 88 15.8 0.0 32.0

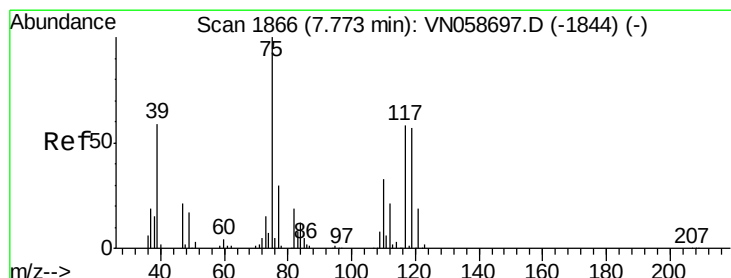
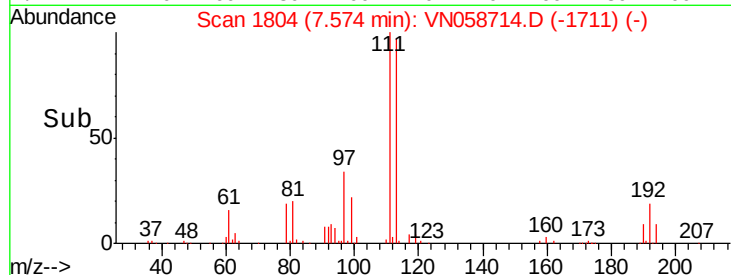
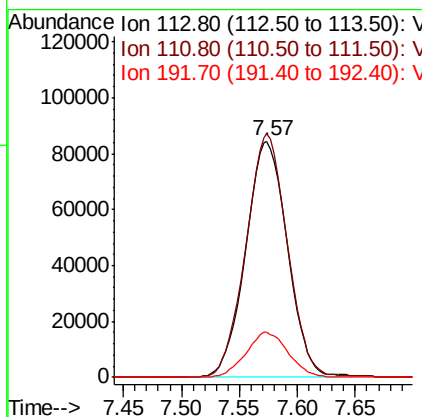
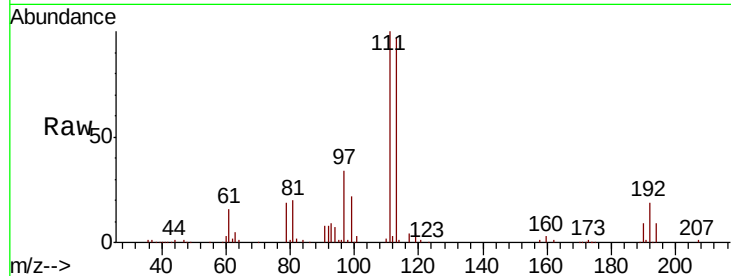




#35
 Dibromofluoromethane
 Concen: 50.575 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058714.D
 Acq: 11 Oct 2019 20:01

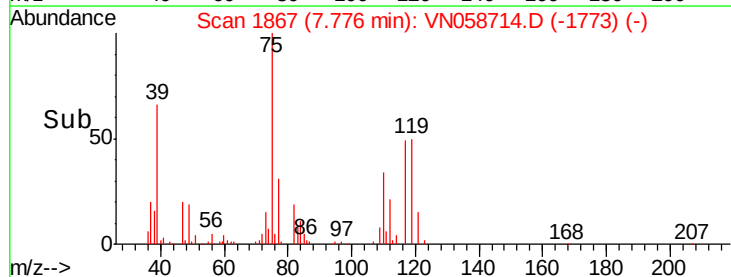
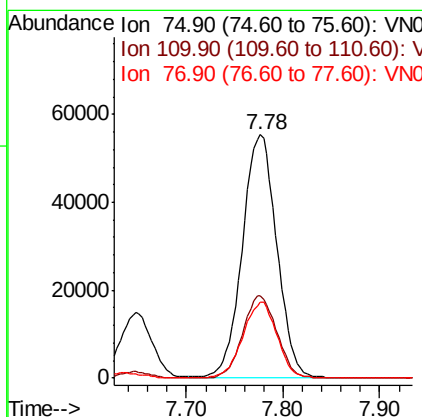
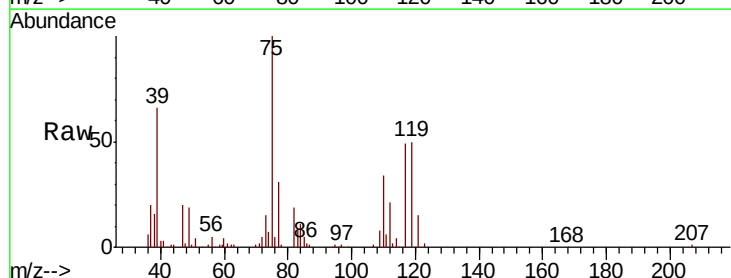
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD01

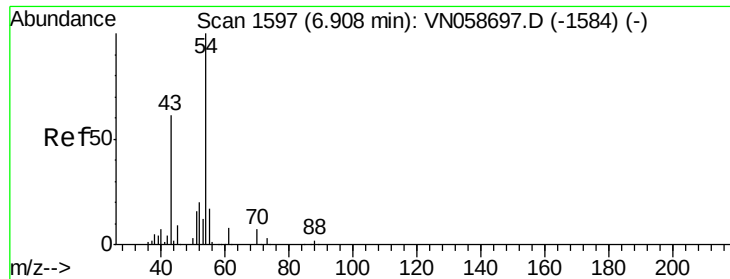
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.3	123.5
192	19.3	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 20.005 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058714.D
 Acq: 11 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.6	49.8
77	31.2	24.6	37.0





#37

Ethyl Acetate

Concen: 22.138 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD01

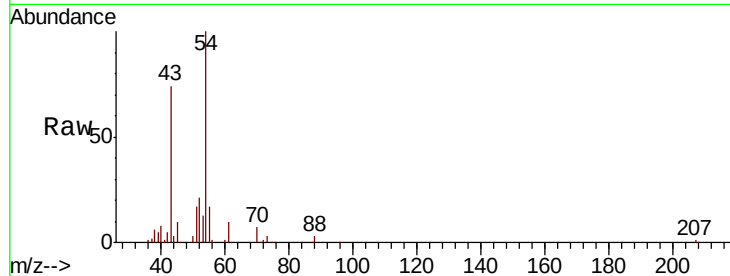
Tot Ion: 43 Resp: 152969

Ion Ratio Lower Upper

43 100

61 13.5 11.3 16.9

70 9.5 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0

150000

100000

50000

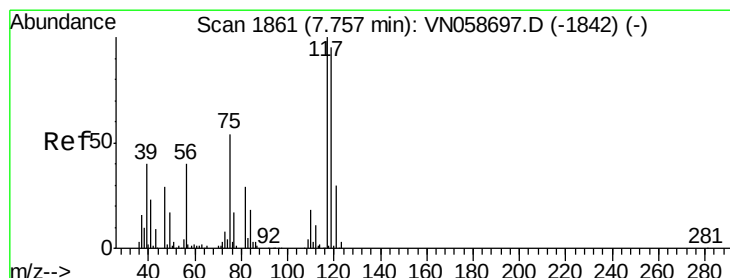
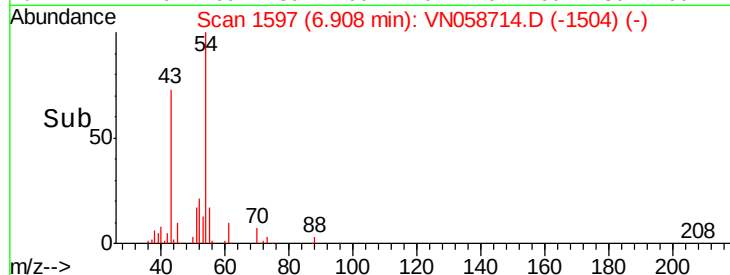
0

6.80

6.90

7.00

Time-->



#38

Carbon Tetrachloride

Concen: 21.051 ug/l

RT: 7.76 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

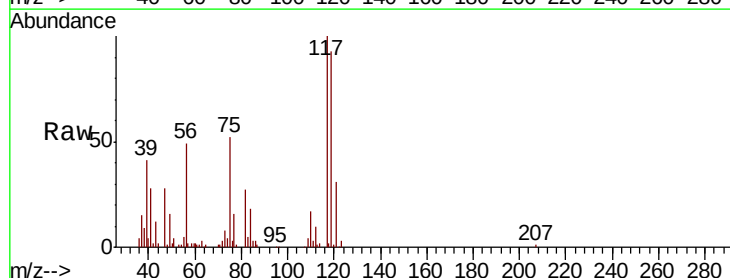
Tgt Ion: 117 Resp: 140177

Ion Ratio Lower Upper

117 100

119 92.5 75.7 113.5

121 30.7 23.9 35.9



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

60000

40000

20000

0

7.65

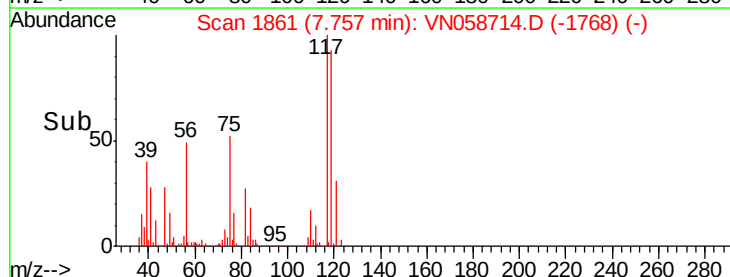
7.70

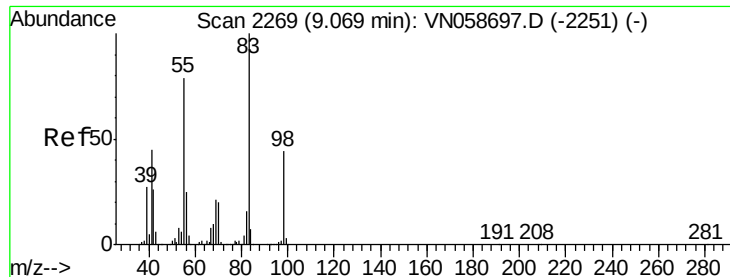
7.75

7.80

7.85

Time-->

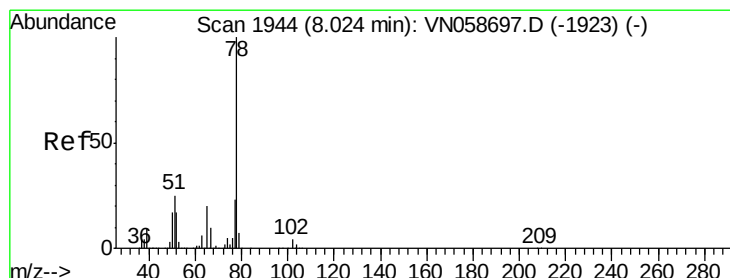
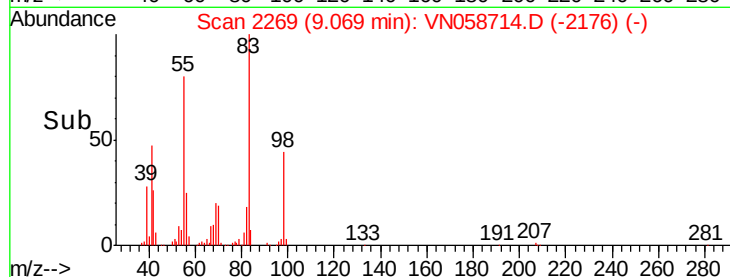
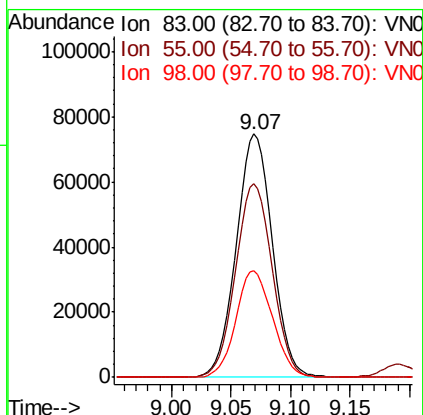
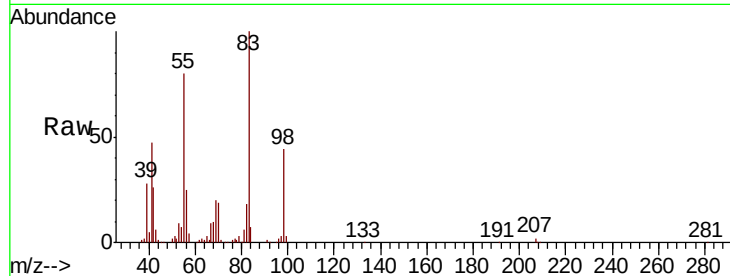




#39
Methylvlcyclohexane
Concen: 19.837 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

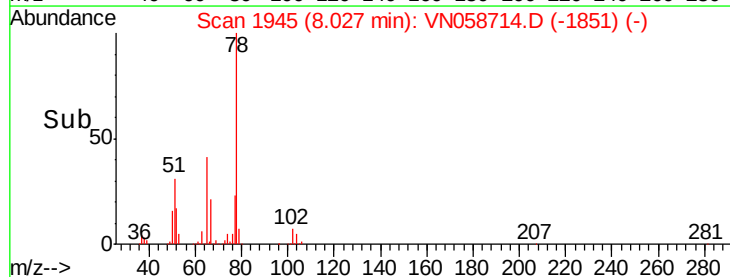
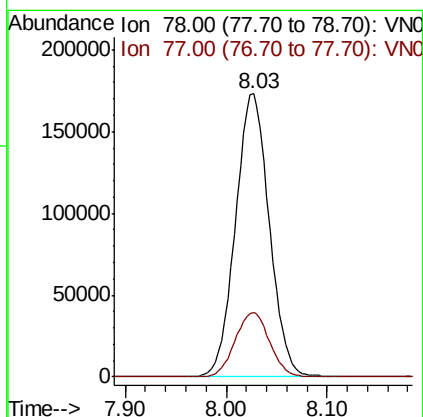
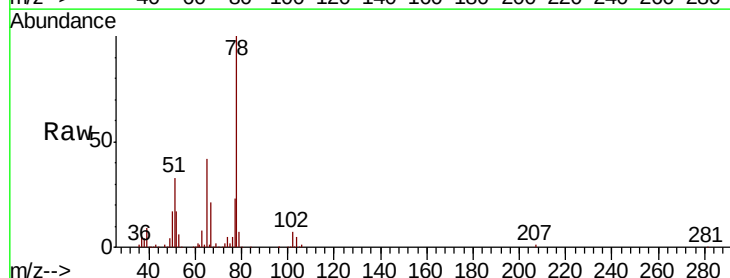
Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

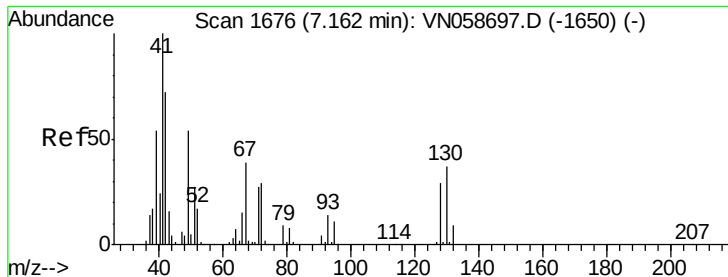
Tot Ion: 83 Resp: 157277
Ion Ratio Lower Upper
83 100
55 79.7 63.4 95.0
98 44.1 35.1 52.7



#40
Benzene
Concen: 20.523 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Tgt Ion: 78 Resp: 402716
Ion Ratio Lower Upper
78 100
77 22.9 18.8 28.2

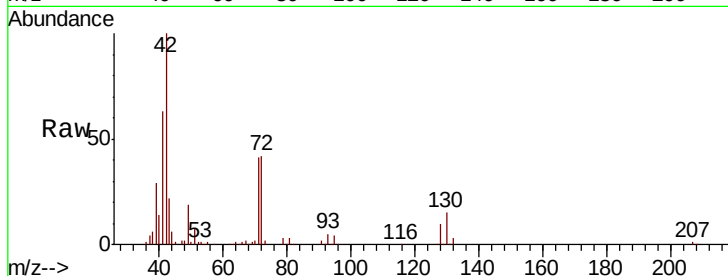




#41
Methacrylonitrile
Concen: 67.225 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.03 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	115.4	173.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



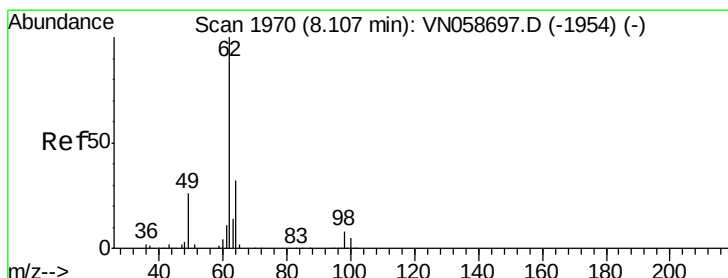
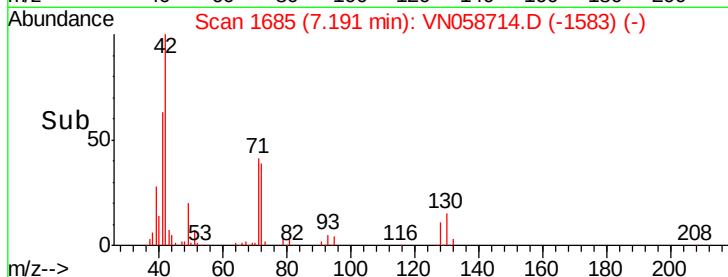
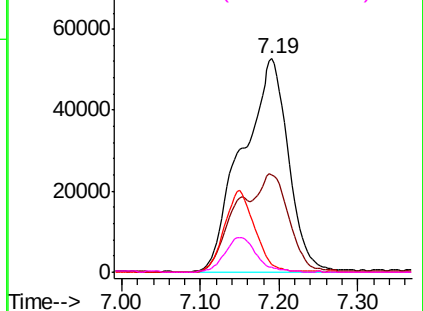
Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

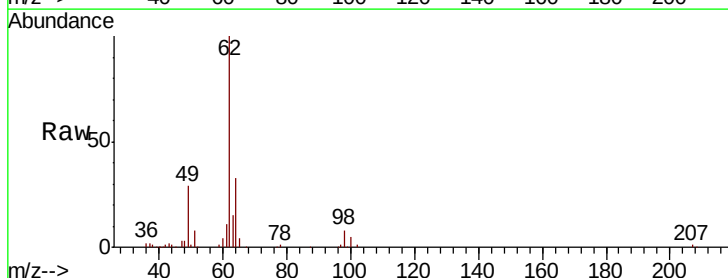
Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42
1,2-Dichloroethane
Concen: 20.668 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

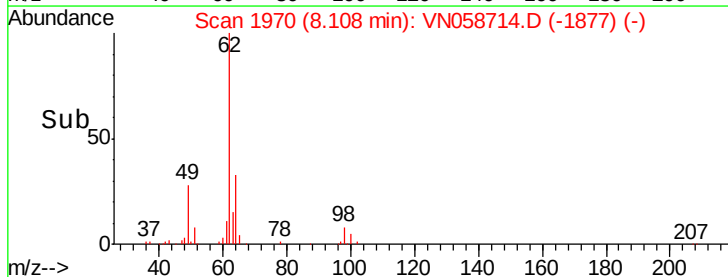
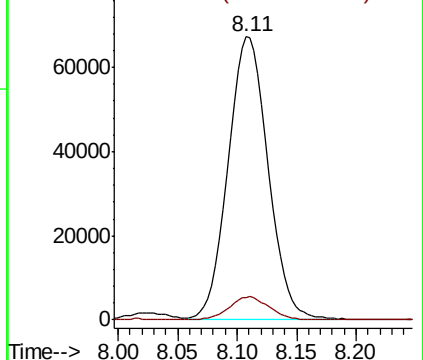
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	15.8

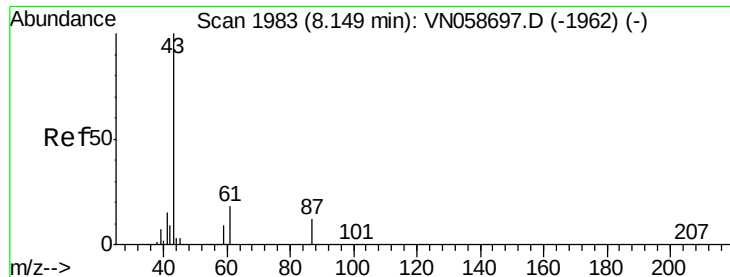


Abundance

Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 20.245 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

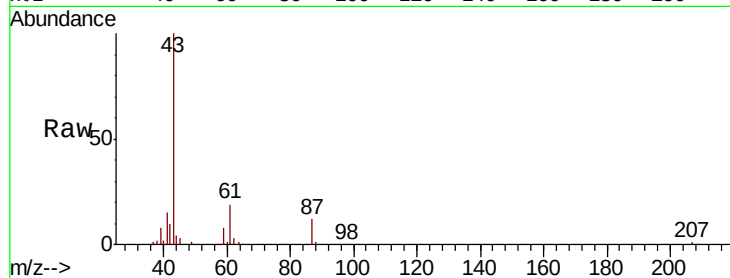
MSVOA_N

ClientSampleId :

VN1013WBSD01

Tot Ion: 43 Resp: 238314

Ion	Ratio	Lower	Upper
43	100		
61	19.0	20.3	30.5#
87	12.1	9.8	14.6

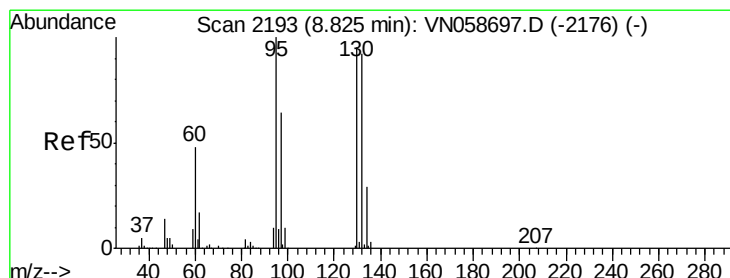
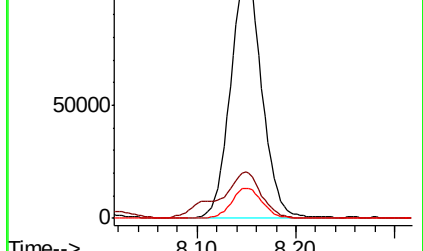
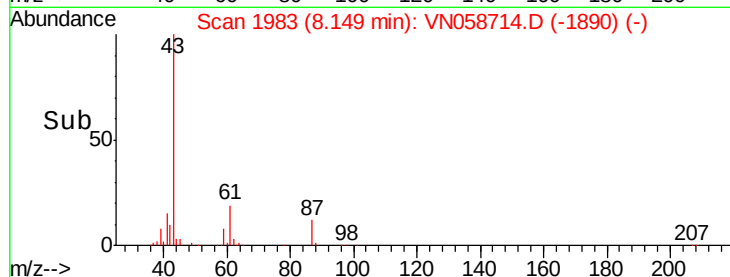


Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN058697.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN058697.D (-1962) (-)

Time-->



#44

Trichloroethene

Concen: 20.328 ug/l

RT: 8.82 min Scan# 2192

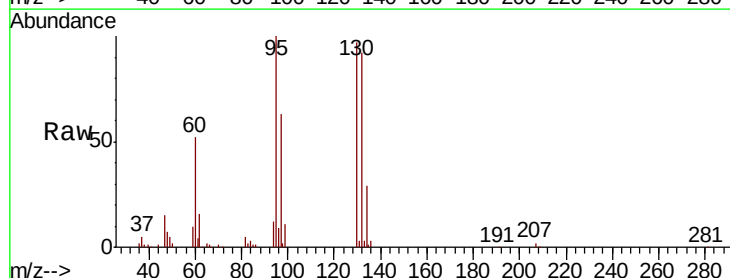
Delta R.T. -0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Tgt Ion: 130 Resp: 99059

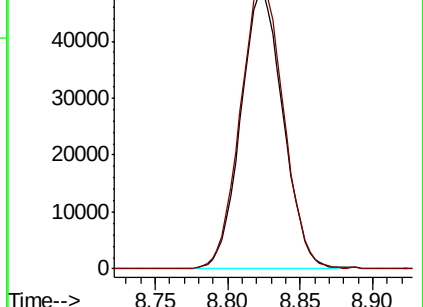
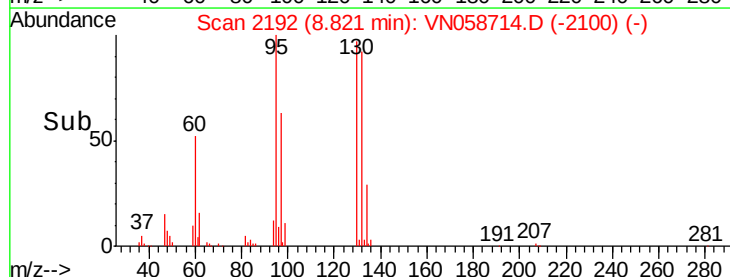
Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	211.2

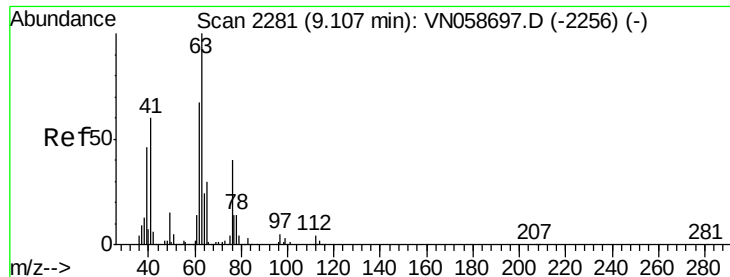


Abundance Ion 129.80 (129.50 to 130.50): VN058697.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058697.D (-2176) (-)

Time-->

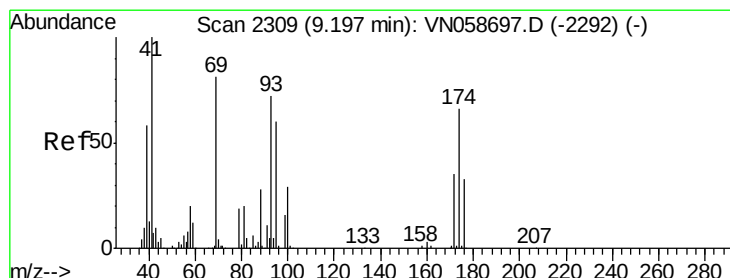
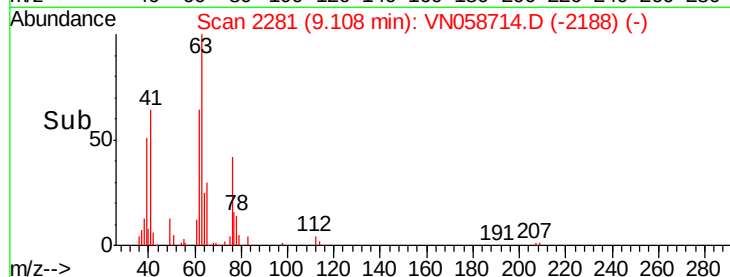
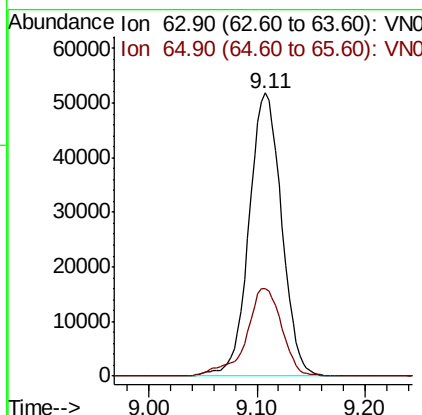
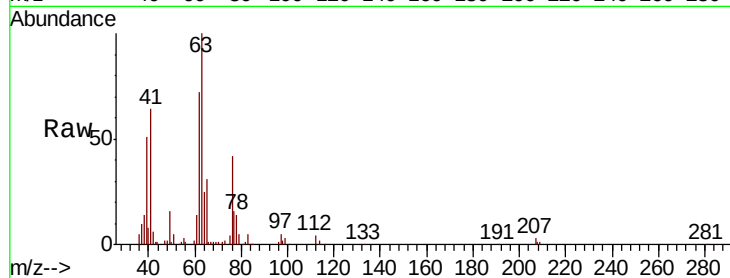




#45
 1,2-Dichloropropane
 Concen: 20.695 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058714.D
 Acq: 11 Oct 2019 20:01

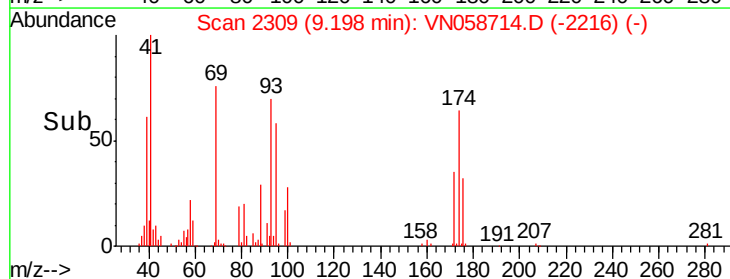
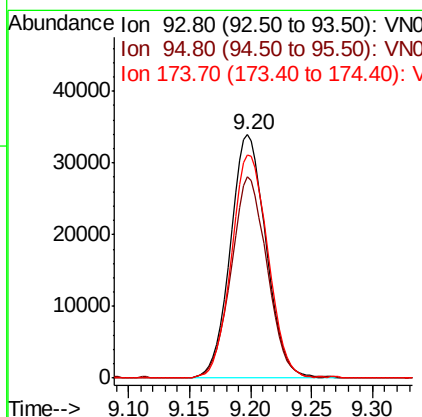
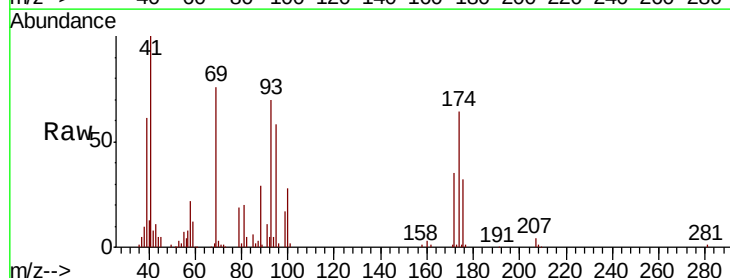
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD01

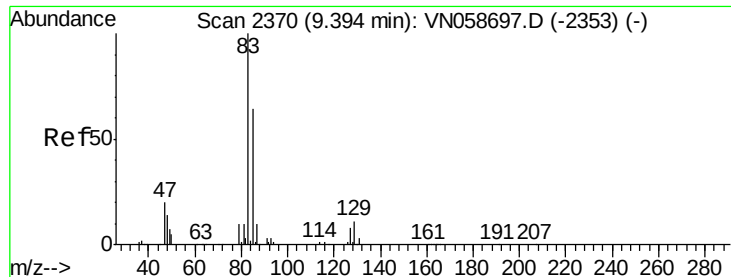
Tot Ion: 63 Resp: 108713
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.1 36.1



#46
 Dibromomethane
 Concen: 20.740 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058714.D
 Acq: 11 Oct 2019 20:01

Tgt Ion: 93 Resp: 69073
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.6 100.0
 174 93.3 75.2 112.8





#47

Bromodichloromethane

Concen: 20.473 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD01

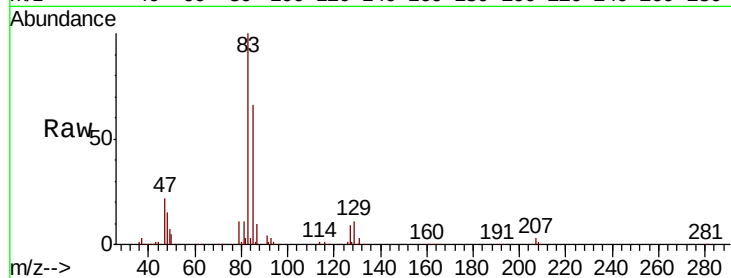
Tot Ion: 83 Resp: 138847

Ion Ratio Lower Upper

83 100

85 66.0 50.9 76.3

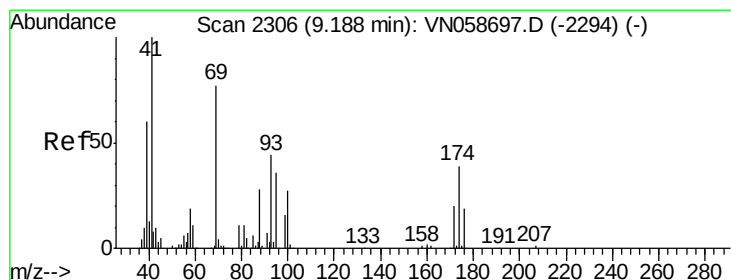
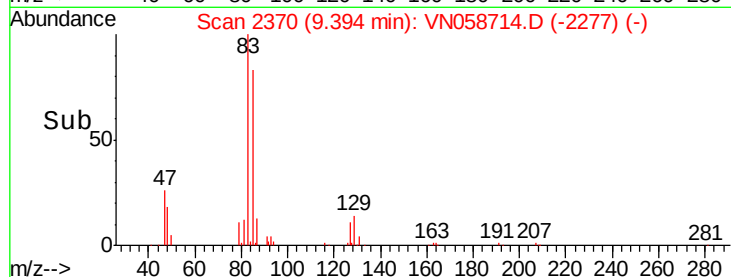
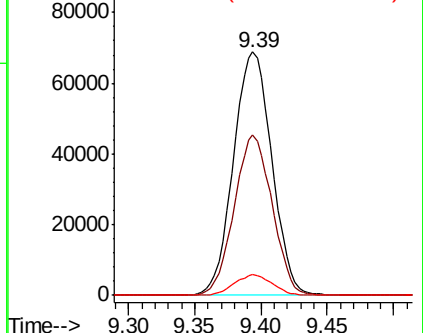
127 8.5 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN058697.D (-2353) (-)

Ion 84.90 (84.60 to 85.60): VN058697.D (-2353) (-)

Ion 126.80 (126.50 to 127.50): VN058697.D (-2353) (-)



#48

Methyl methacrylate

Concen: 20.972 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

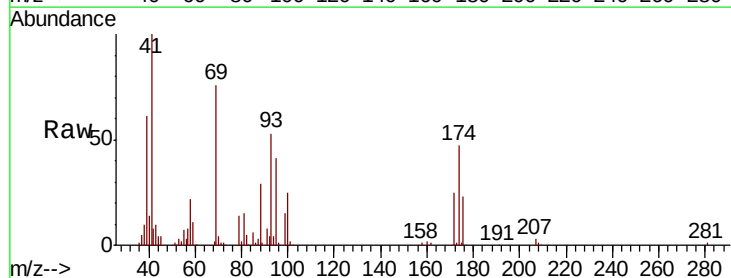
Tgt Ion: 41 Resp: 111902

Ion Ratio Lower Upper

41 100

69 77.5 63.4 95.2

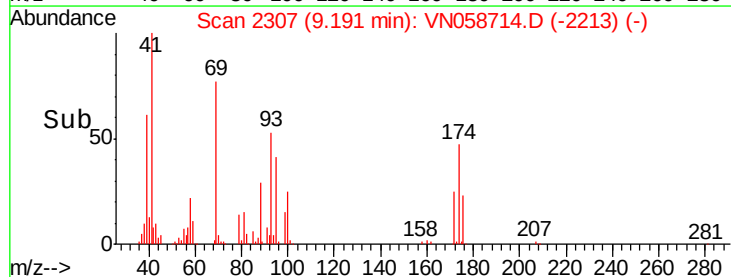
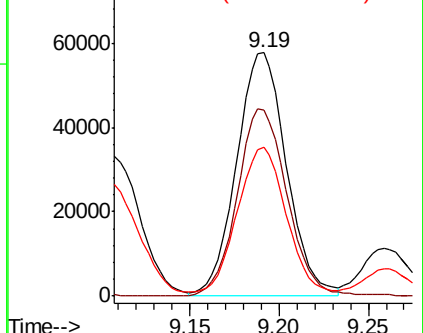
39 60.7 48.9 73.3

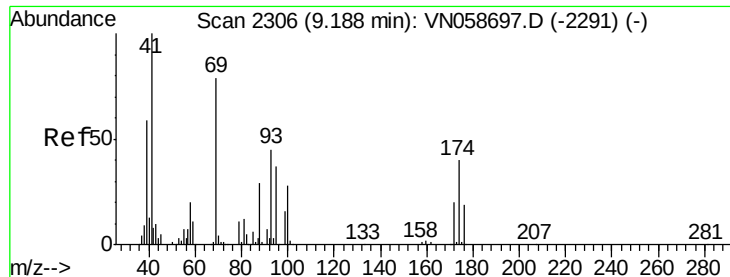


Abundance Ion 41.00 (40.70 to 41.70): VN058697.D (-2294) (-)

Ion 69.00 (68.70 to 69.70): VN058697.D (-2294) (-)

Ion 39.00 (38.70 to 39.70): VN058697.D (-2294) (-)

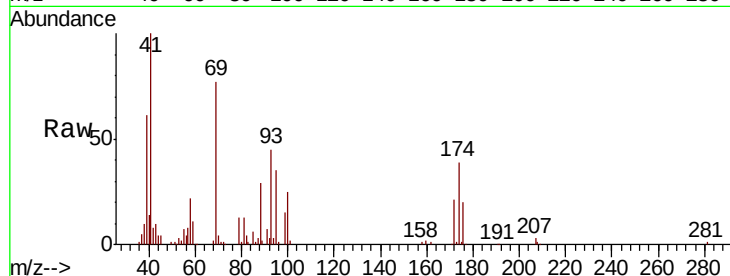




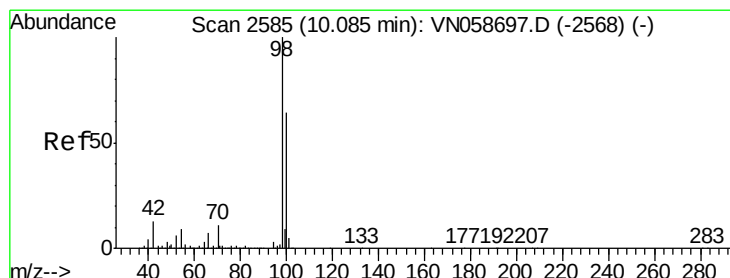
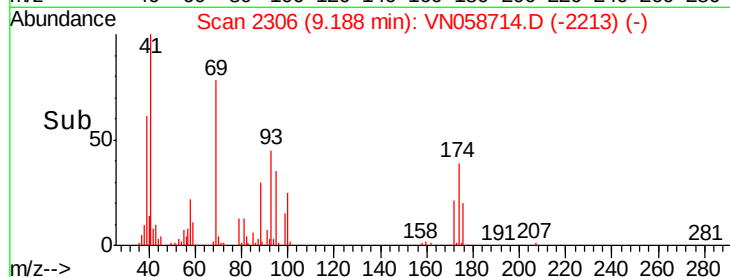
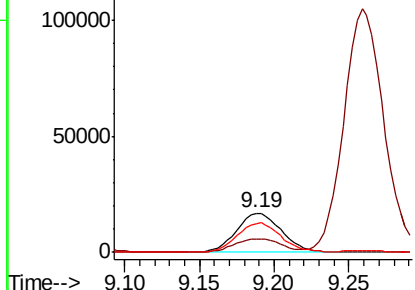
#49
1,4-Dioxane
Concen: 425.047 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Instrument :
MSVOA_N
ClientSampled :
VN1013WBSD01

Tot Ion: 88 Resp: 35087
Ion Ratio Lower Upper
88 100
43 37.0 28.6 43.0
58 74.0 57.2 85.8

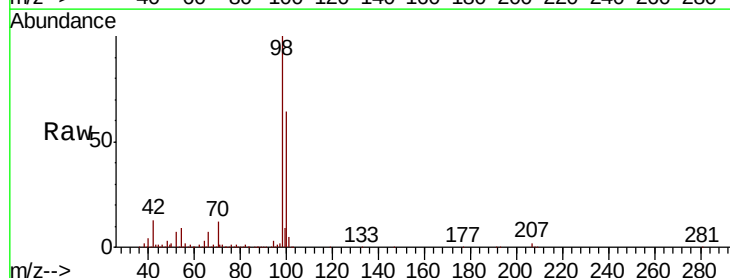


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

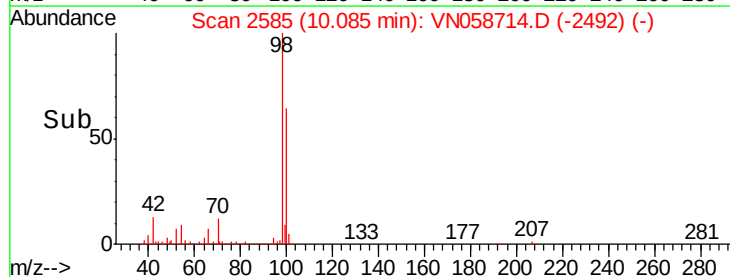
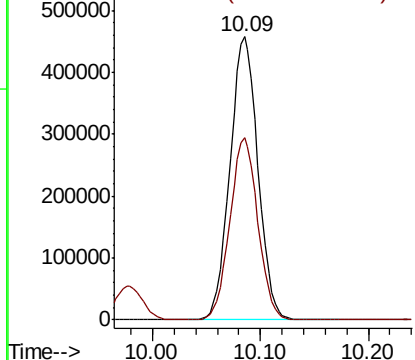


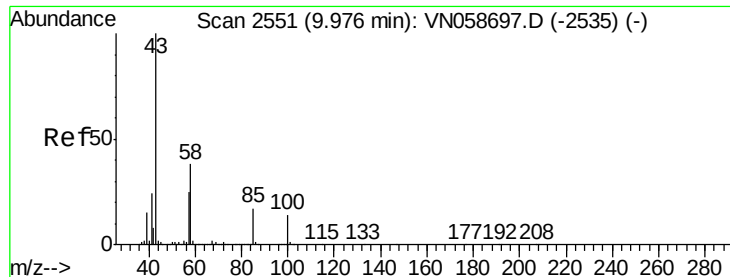
#50
Toluene-d8
Concen: 49.500 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Tgt Ion: 98 Resp: 826237
Ion Ratio Lower Upper
98 100
100 64.2 51.1 76.7



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: 112.097 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

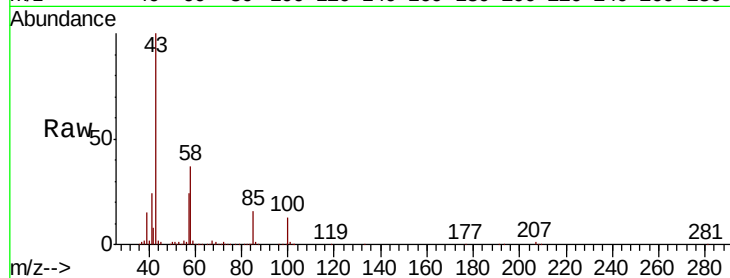
VN1013WBSD01

Tot Ion: 43 Resp: 741069

Ion Ratio Lower Upper

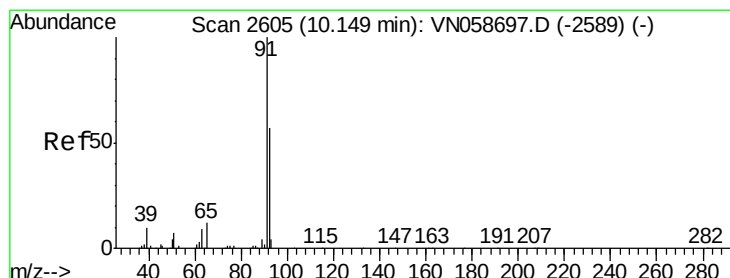
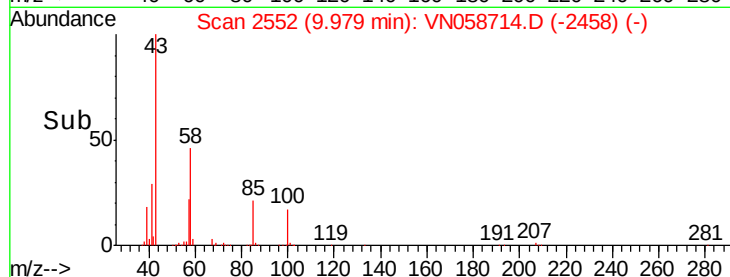
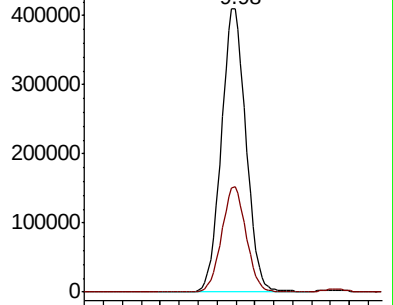
43 100

58 37.0 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN058697.D (-2535) (-)



#52

Toluene

Concen: 20.490 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058714.D

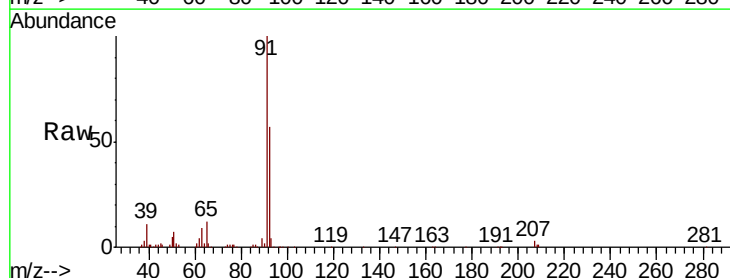
Acq: 11 Oct 2019 20:01

Tgt Ion: 92 Resp: 245922

Ion Ratio Lower Upper

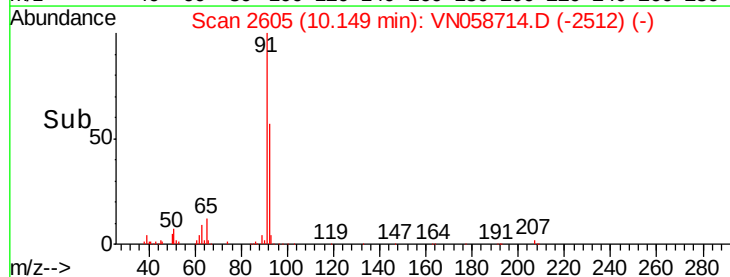
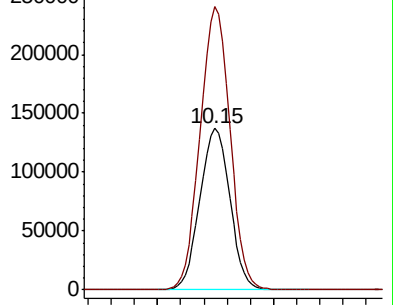
92 100

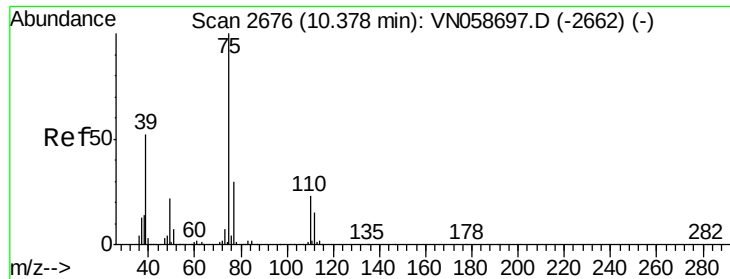
91 174.7 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN058697.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN058697.D (-2589) (-)





#53

t-1,3-Dichloropropene

Concen: 20.164 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

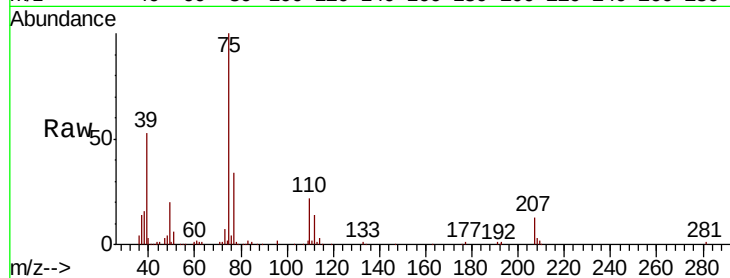
VN1013WBSD01

Tot Ion: 75 Resp: 156851

Ion Ratio Lower Upper

75 100

77 31.7 26.2 39.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

80000

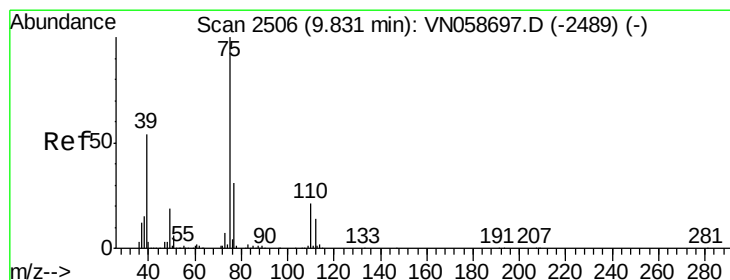
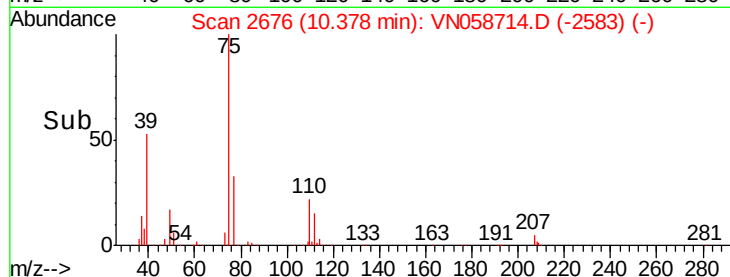
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.225 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

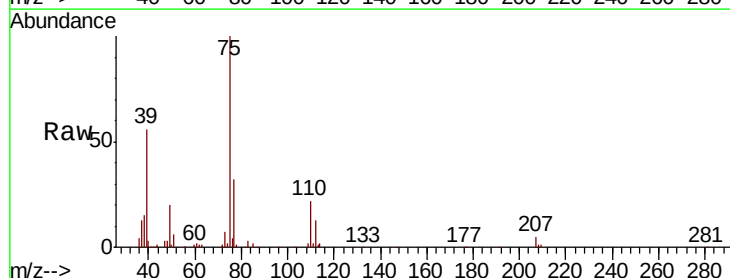
Tgt Ion: 75 Resp: 167032

Ion Ratio Lower Upper

75 100

77 32.3 24.4 36.6

39 55.5 43.1 64.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

120000

100000

80000

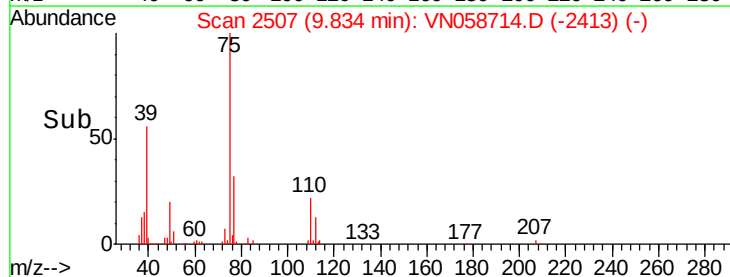
60000

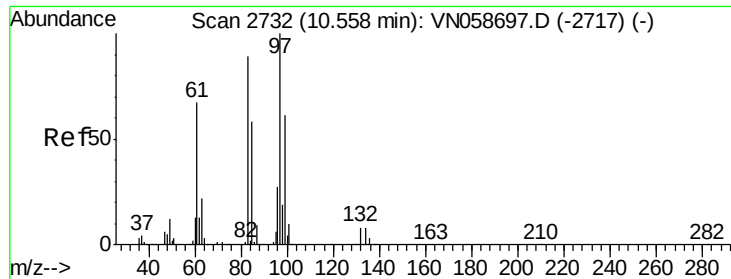
40000

20000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.118 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

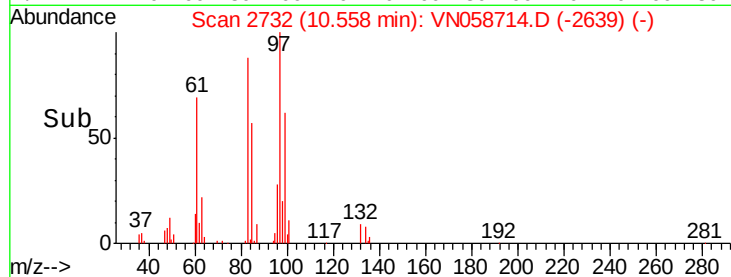
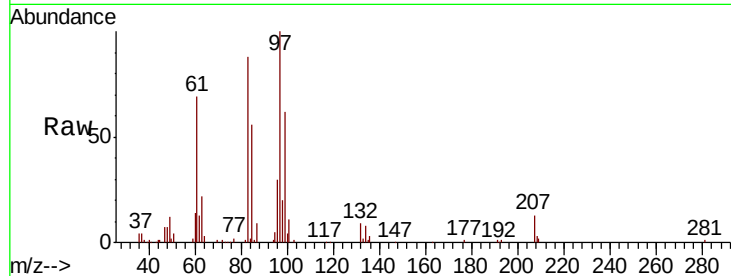
MSVOA_N

ClientSampleId :

VN1013WBSD01

Tot Ion: 97 Resp: 98824

Ion	Ratio	Lower	Upper
97	100		
83	87.6	71.2	106.8
85	56.4	46.7	70.1
99	62.1	49.0	73.6

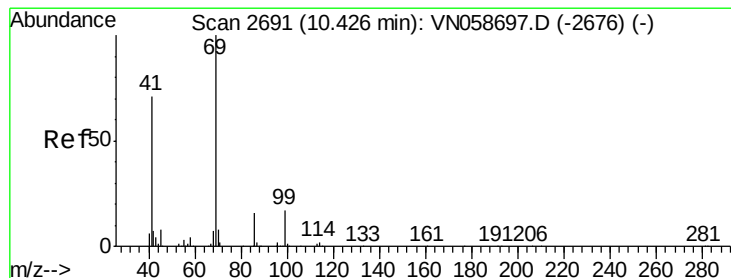


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.899 ug/l

RT: 10.43 min Scan# 2691

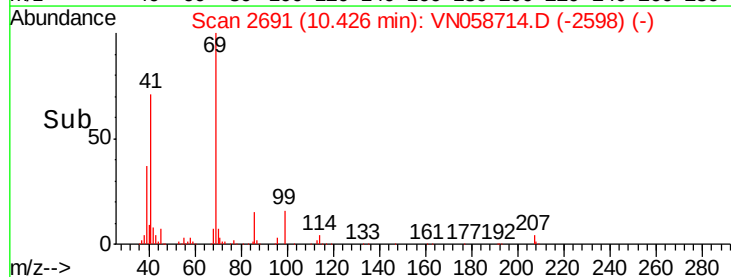
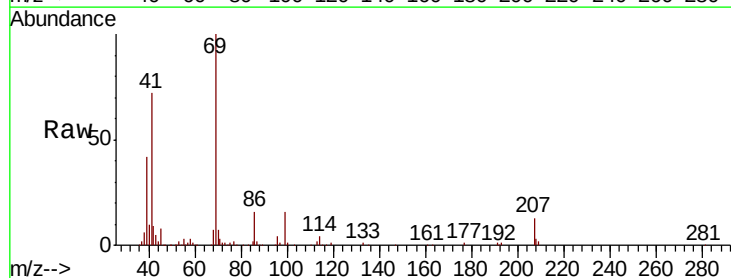
Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Tgt Ion: 69 Resp: 149977

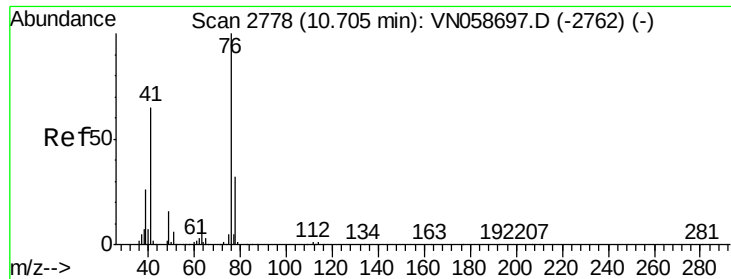
Ion	Ratio	Lower	Upper
69	100		
41	71.3	56.8	85.2
39	41.1	32.5	48.7



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



#57

1,3-Dichloropropane

Concen: 20.613 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampled :

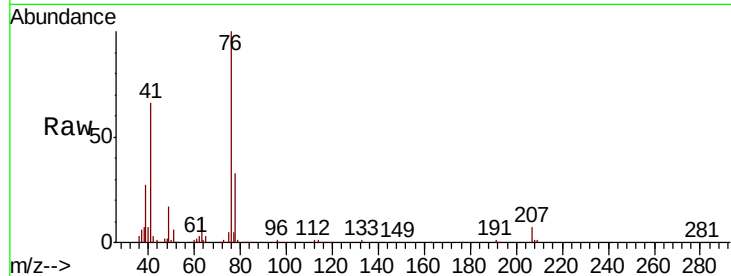
VN1013WBSD01

Tot Ion: 76 Resp: 172547

Ion Ratio Lower Upper

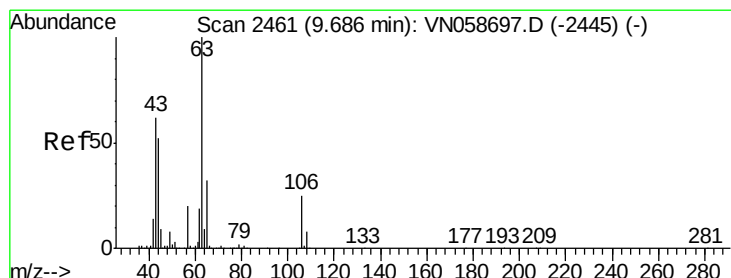
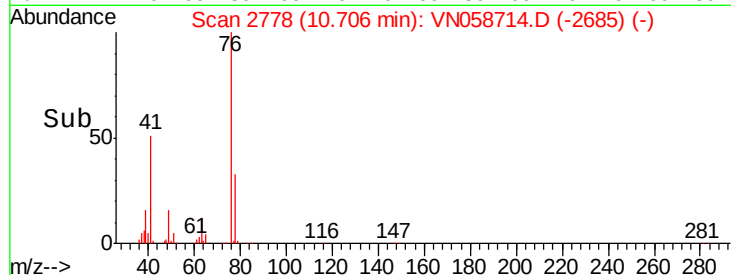
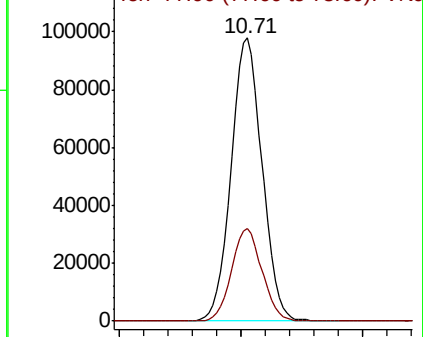
76 100

78 32.2 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 100.954 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058714.D

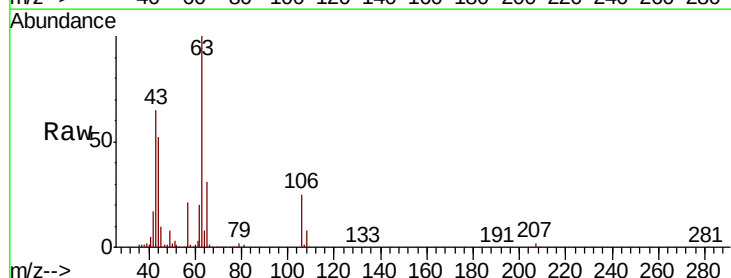
Acq: 11 Oct 2019 20:01

Tgt Ion: 63 Resp: 349145

Ion Ratio Lower Upper

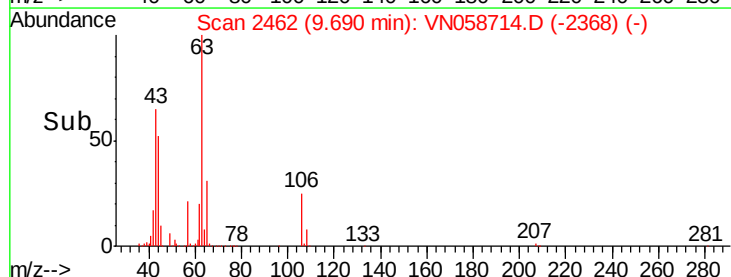
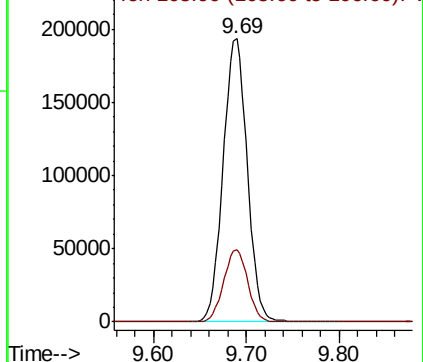
63 100

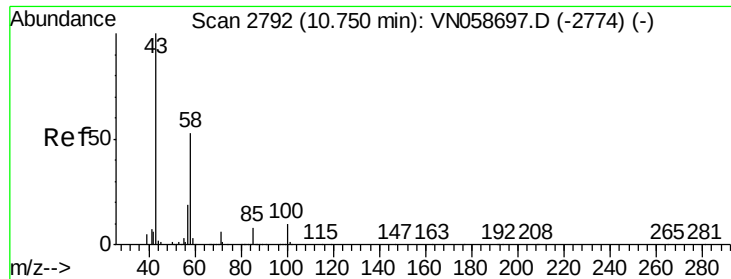
106 25.3 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

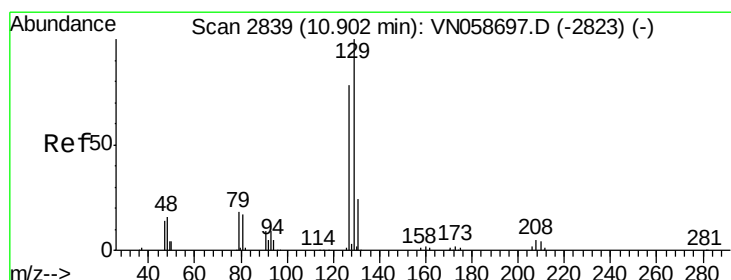
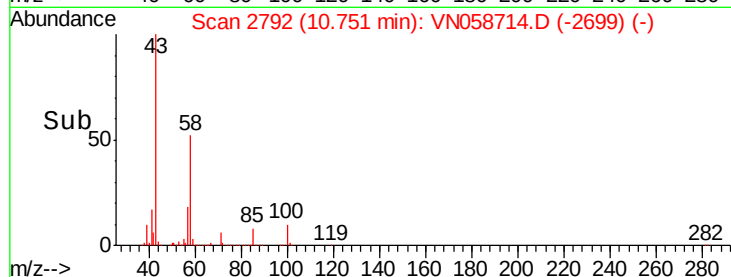
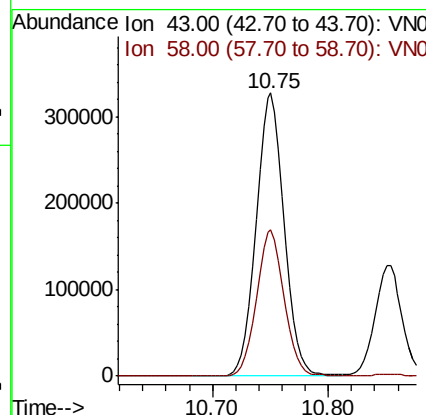
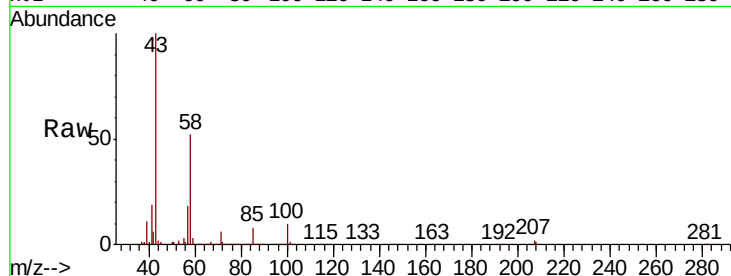




#59
2-Hexanone
Concen: 108.057 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

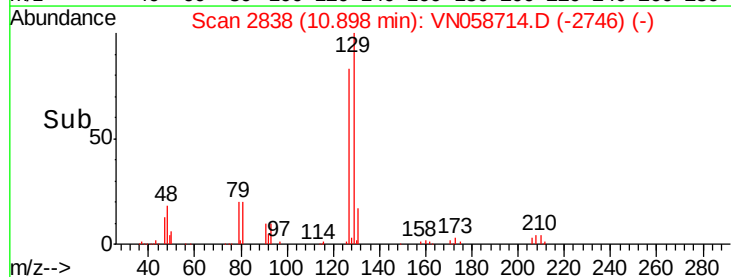
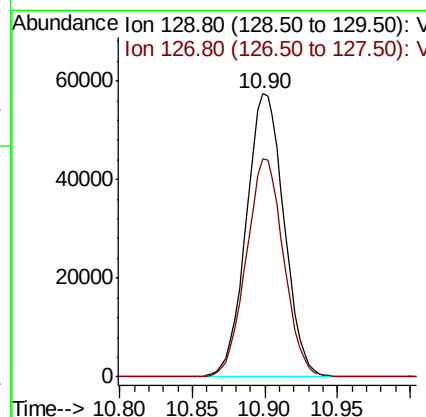
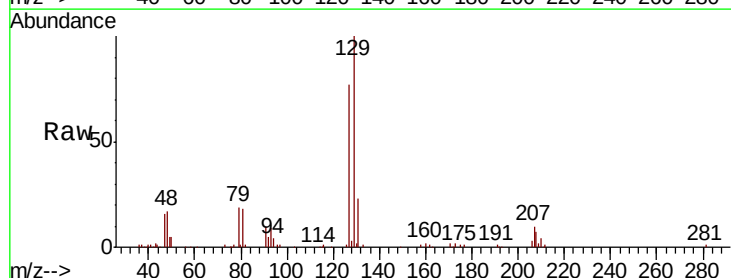
Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

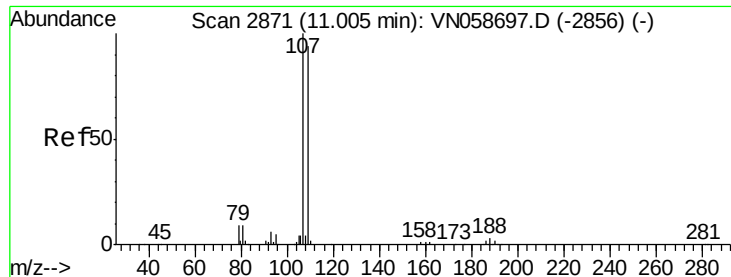
Tot Ion: 43 Resp: 552060
Ion Ratio Lower Upper
43 100
58 50.9 26.1 78.3



#60
Dibromochloromethane
Concen: 20.551 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Tgt Ion: 129 Resp: 104137
Ion Ratio Lower Upper
129 100
127 76.4 38.5 115.3

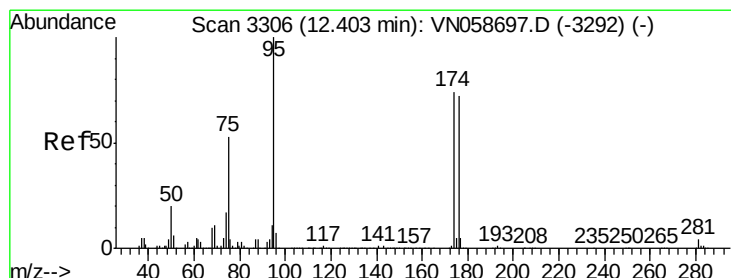
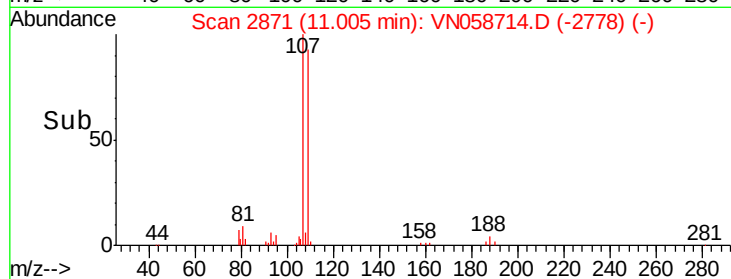
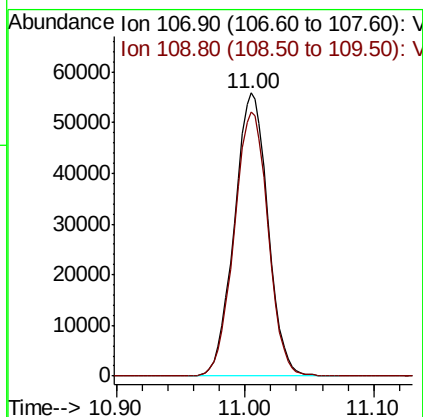
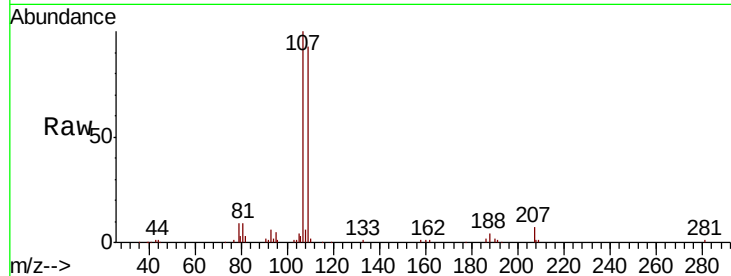




#61
 1,2-Dibromoethane
 Concen: 20.523 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058714.D
 Acq: 11 Oct 2019 20:01

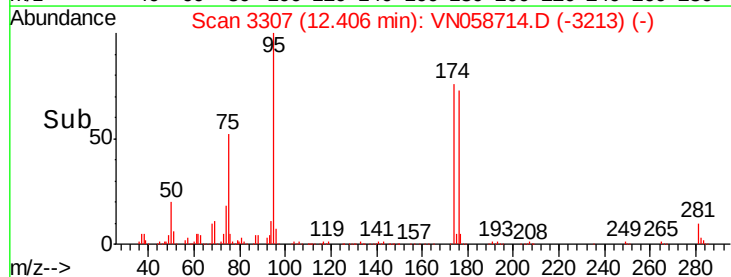
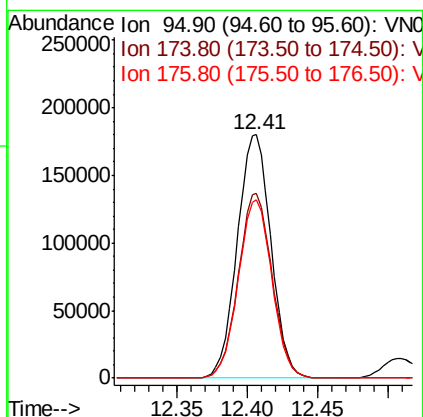
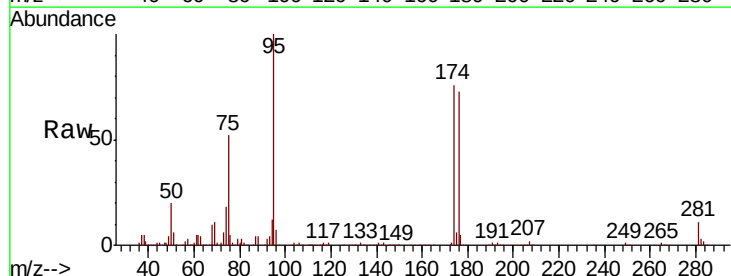
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD01

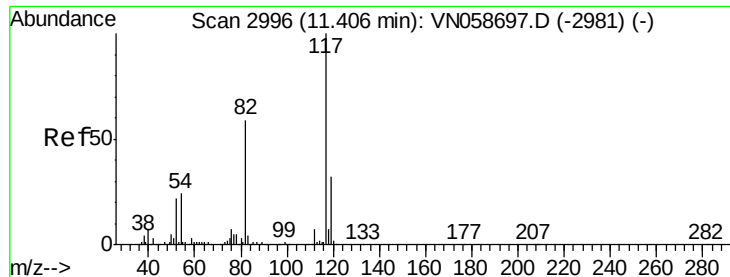
Tot Ion: 107 Resp: 100999
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 47.879 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058714.D
 Acq: 11 Oct 2019 20:01

Tgt Ion: 95 Resp: 302513
 Ion Ratio Lower Upper
 95 100
 174 75.8 0.0 150.4
 176 73.2 0.0 146.8

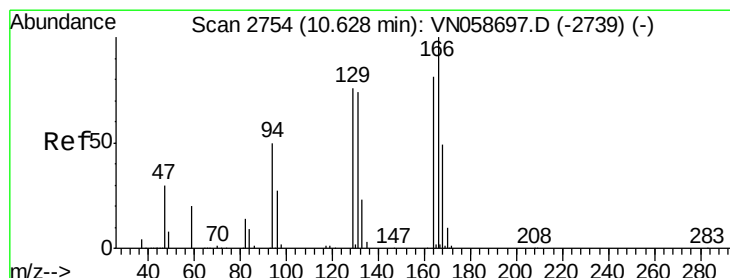
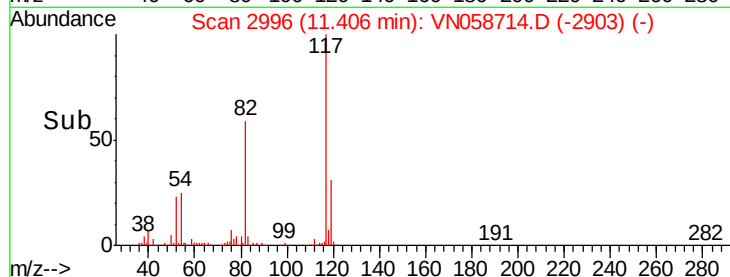
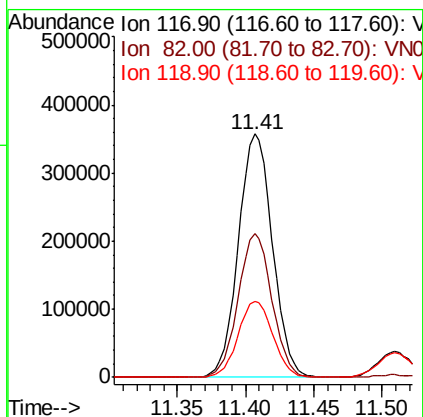
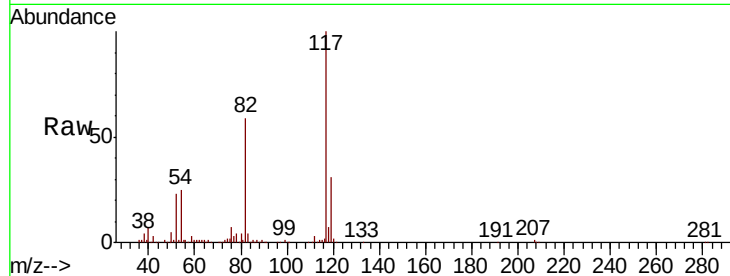




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

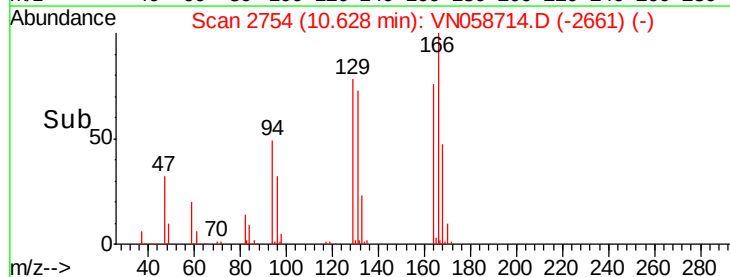
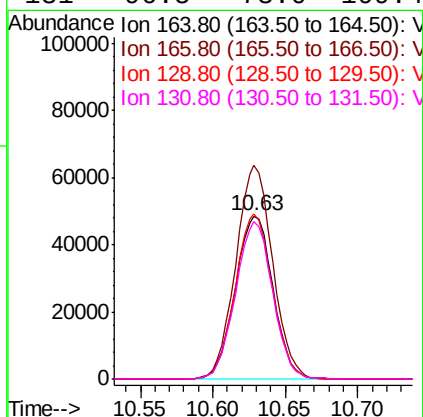
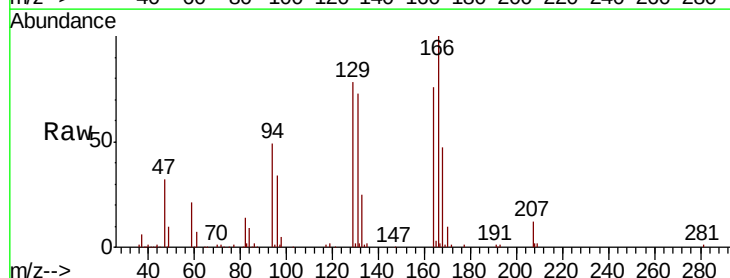
Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

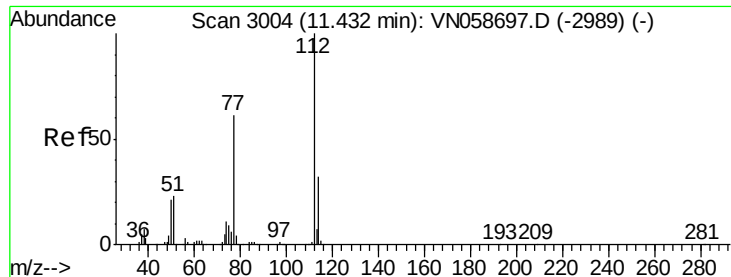
Tot Ion:117 Resp: 619391
Ion Ratio Lower Upper
117 100
82 58.9 47.0 70.4
119 31.3 25.4 38.2



#64
Tetrachloroethene
Concen: 20.272 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Tgt Ion:164 Resp: 87873
Ion Ratio Lower Upper
164 100
166 131.3 99.3 148.9
129 101.9 75.2 112.8
131 96.5 73.0 109.4

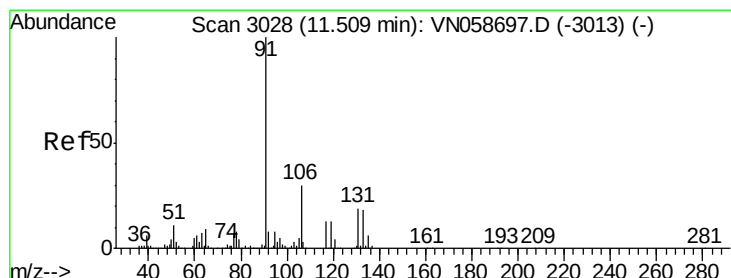
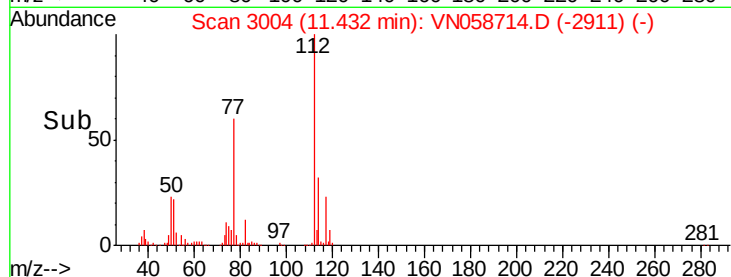
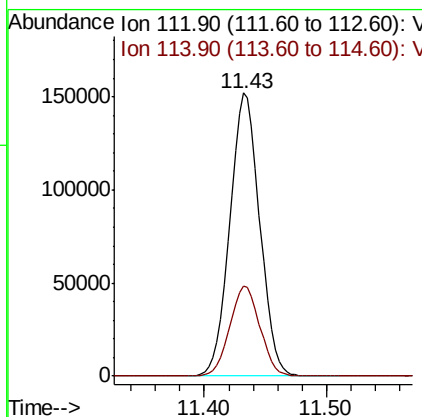
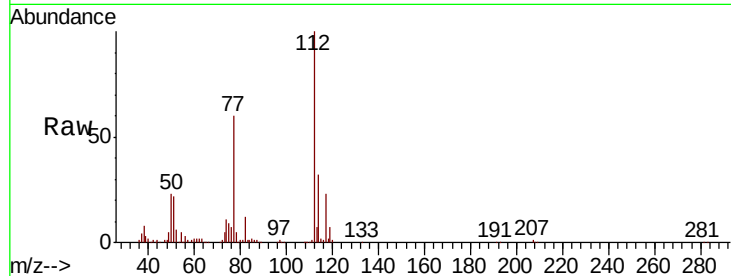




#65
Chlorobenzene
Concen: 20.579 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

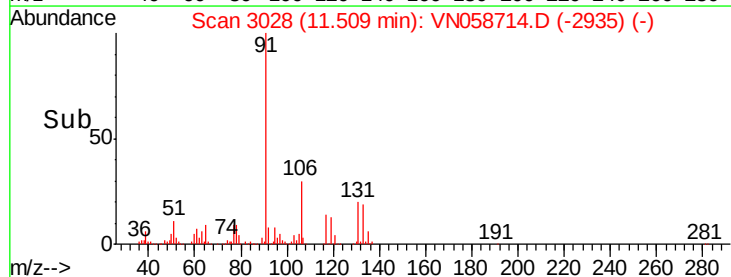
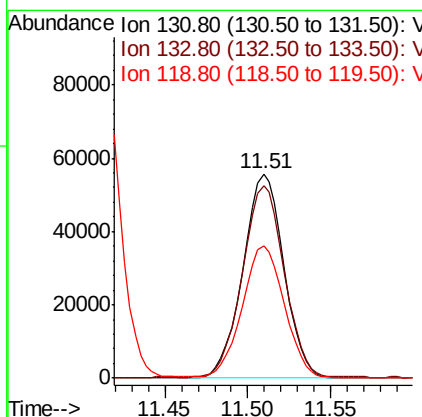
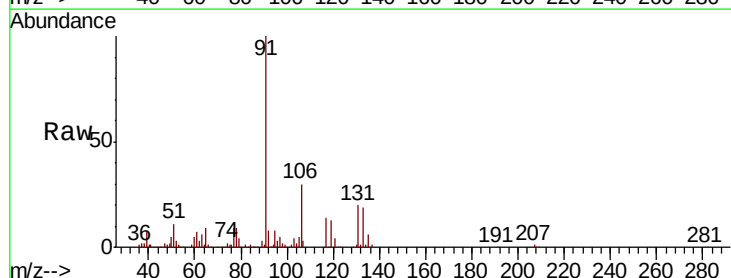
Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

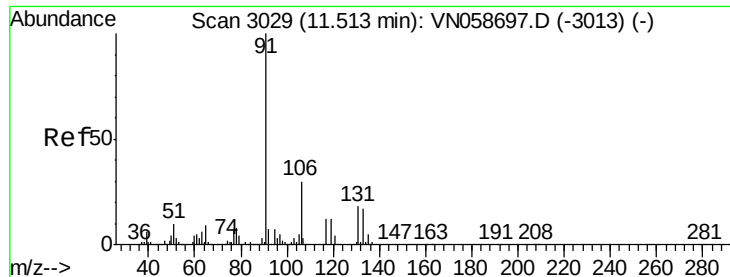
Tot Ion:112 Resp: 258859
Ion Ratio Lower Upper
112 100
114 31.7 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.526 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Tgt Ion:131 Resp: 95473
Ion Ratio Lower Upper
131 100
133 95.5 47.6 142.9
119 67.1 33.0 98.9





#67

Ethyl Benzene

Concen: 21.092 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampled :

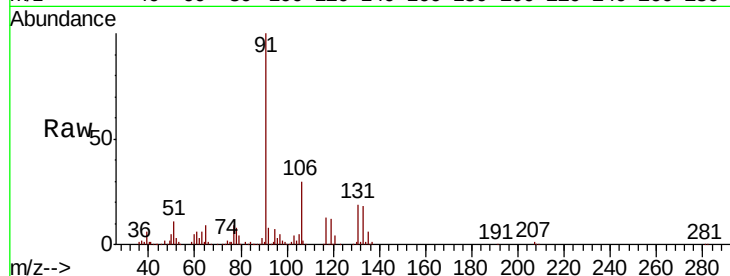
VN1013WBSD01

Tot Ion: 91 Resp: 472938

Ion Ratio Lower Upper

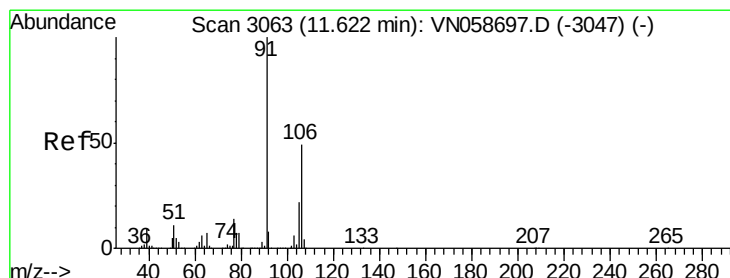
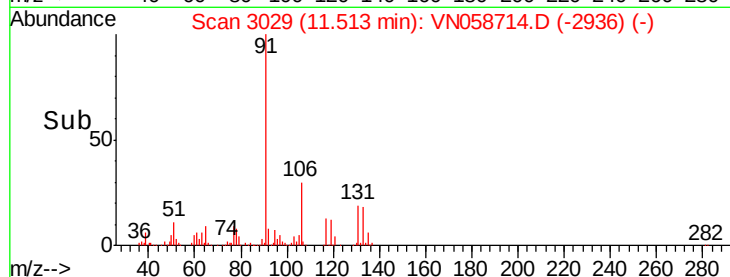
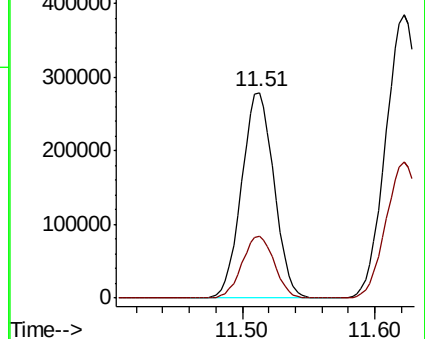
91 100

106 30.1 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.668 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058714.D

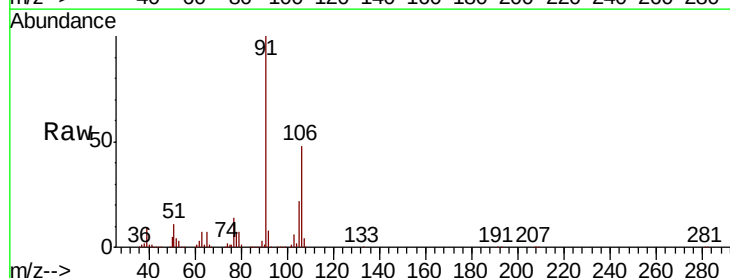
Acq: 11 Oct 2019 20:01

Tgt Ion: 106 Resp: 350617

Ion Ratio Lower Upper

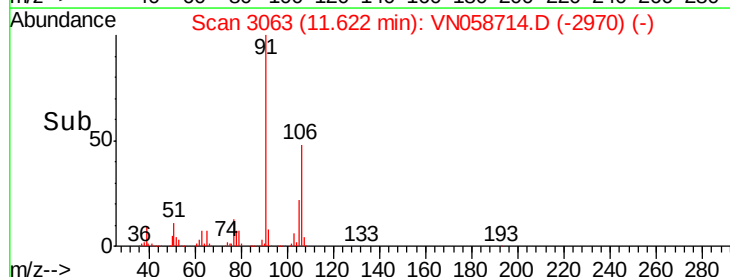
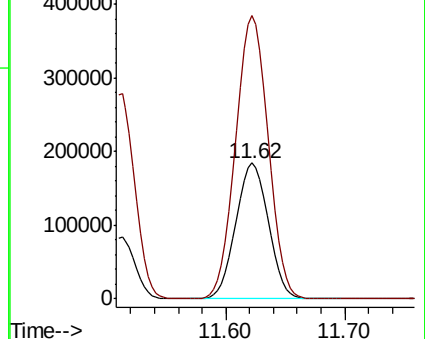
106 100

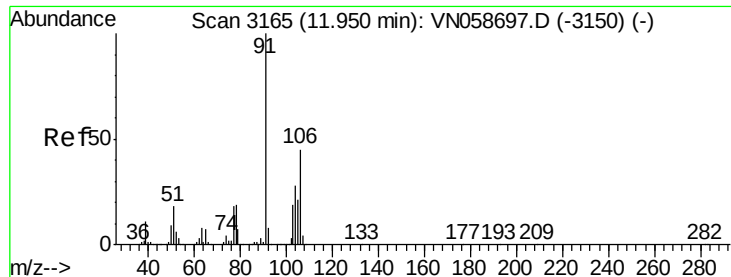
91 208.2 165.7 248.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#69

o-Xylene

Concen: 20.347 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

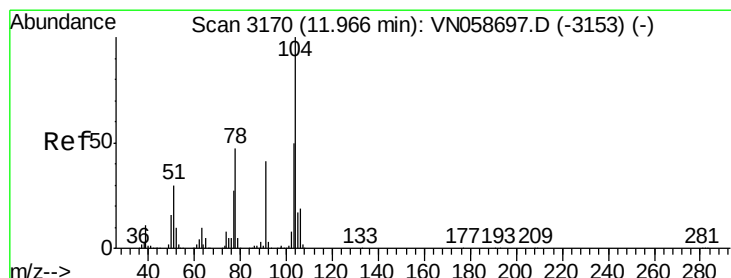
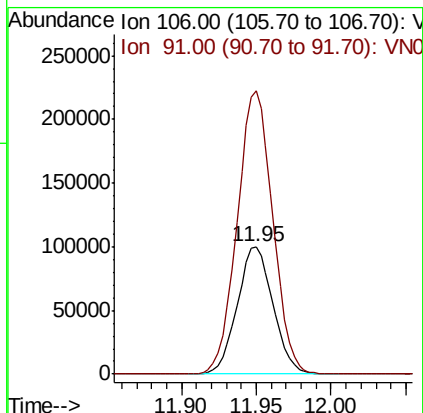
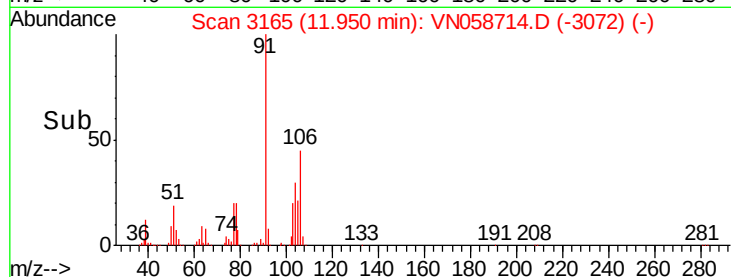
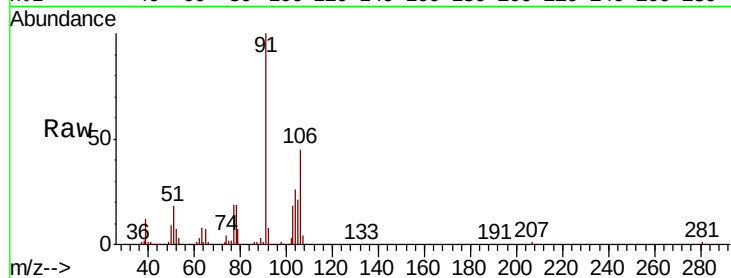
VN1013WBSD01

Tot Ion:106 Resp: 165649

Ion Ratio Lower Upper

106 100

91 222.3 110.9 332.9



#70

Styrene

Concen: 20.065 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

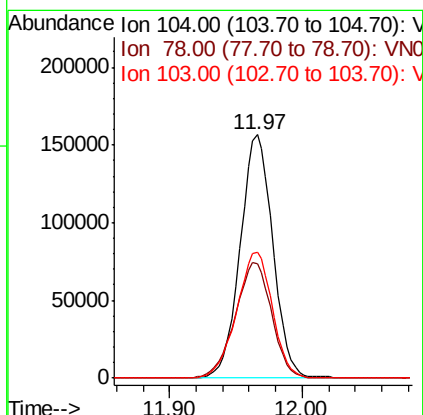
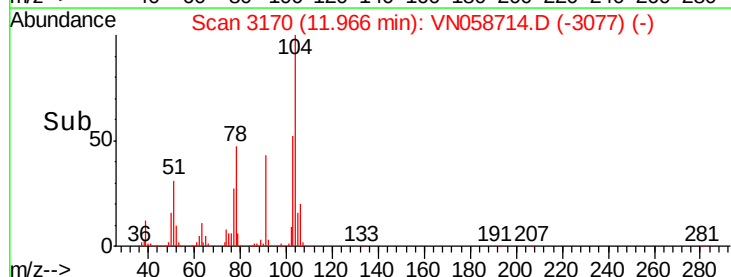
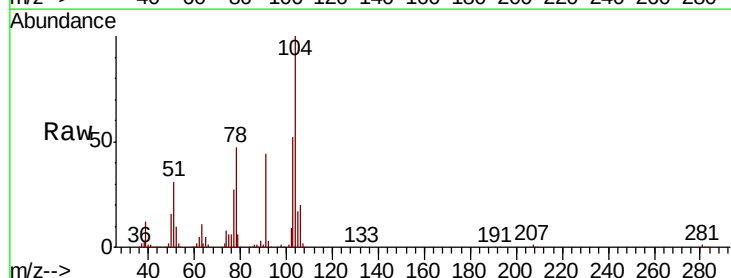
Tgt Ion:104 Resp: 267741

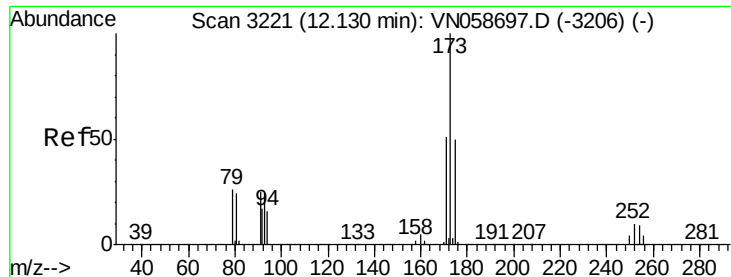
Ion Ratio Lower Upper

104 100

78 53.0 42.2 63.2

103 56.8 43.7 65.5





#71

Bromoform

Concen: 20.535 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD01

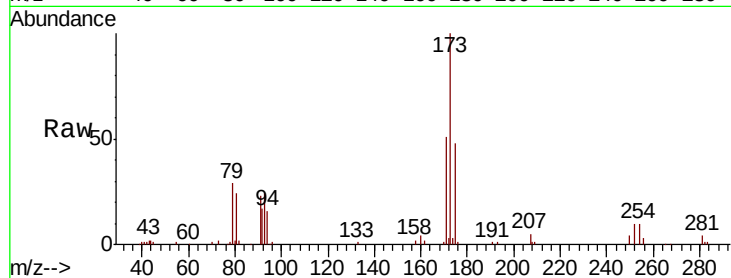
Tot Ion:173 Resp: 70010

Ion Ratio Lower Upper

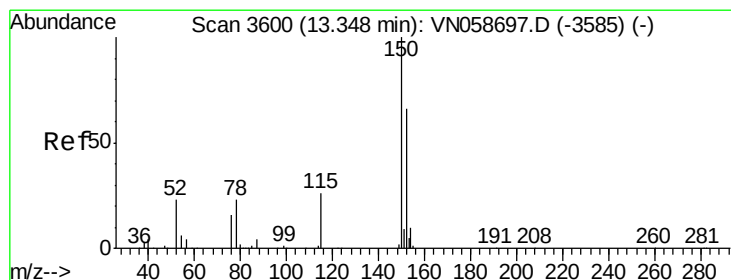
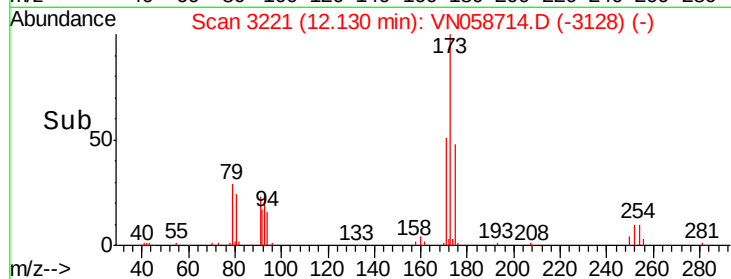
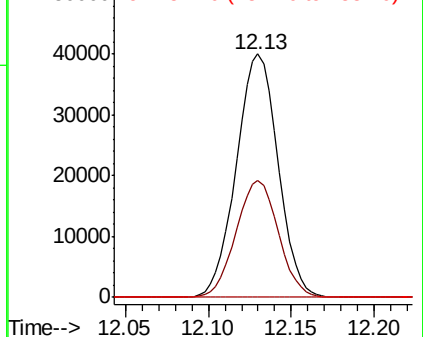
173 100

175 48.6 24.6 73.8

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: VN058714.D

Acq: 11 Oct 2019 20:01

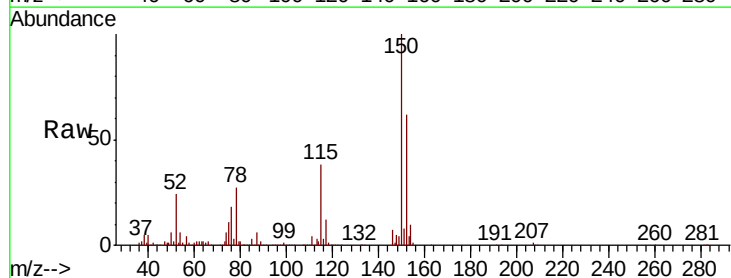
Tgt Ion:152 Resp: 295123

Ion Ratio Lower Upper

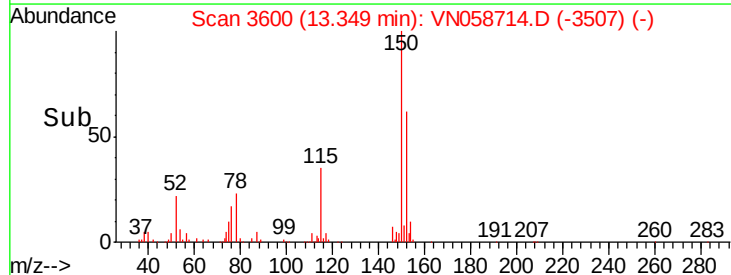
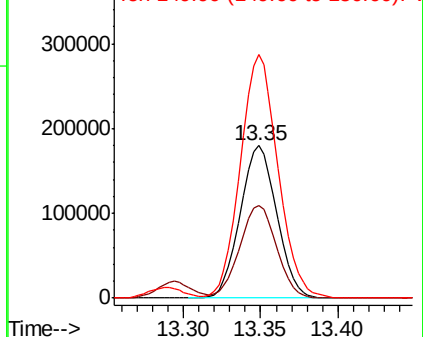
152 100

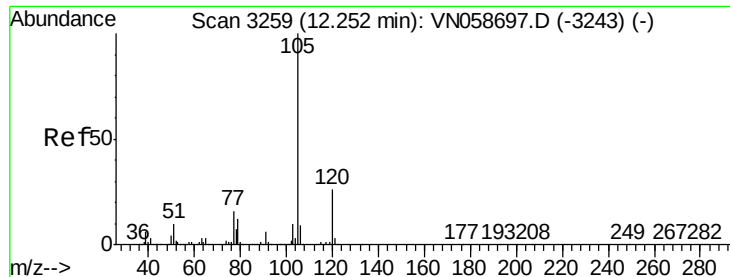
115 61.3 30.4 91.2

150 164.4 0.0 345.4



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: 21.215 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

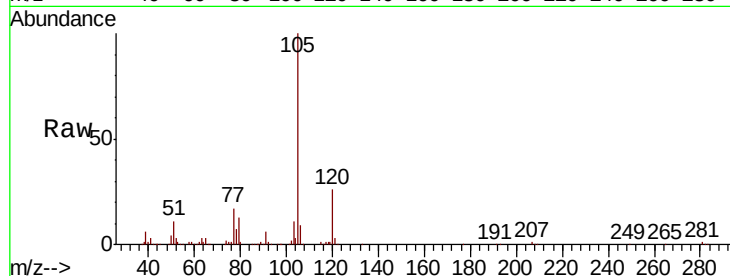
VN1013WBSD01

Tot Ion:105 Resp: 453437

Ion Ratio Lower Upper

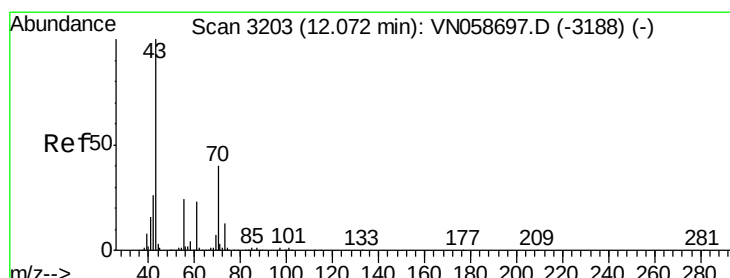
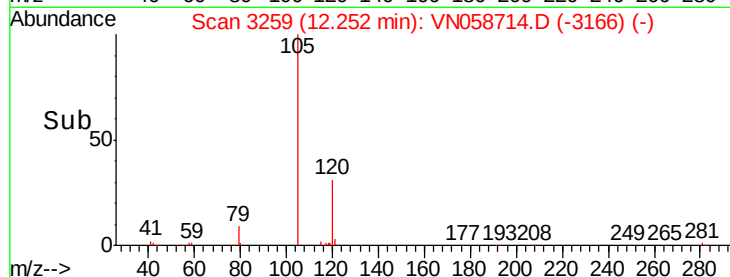
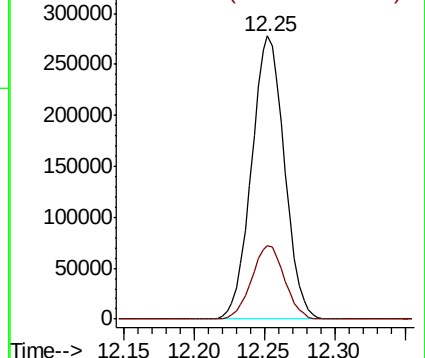
105 100

120 26.0 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.951 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Tgt Ion: 43 Resp: 201120

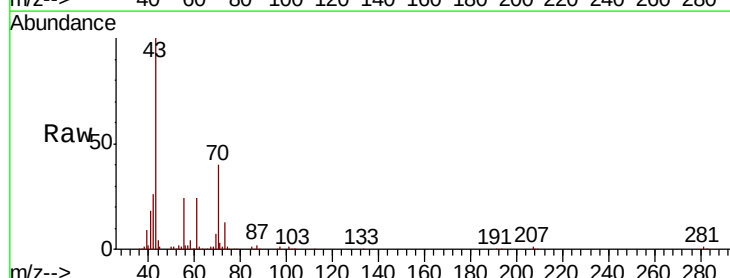
Ion Ratio Lower Upper

43 100

70 40.5 32.2 48.4

55 25.1 19.6 29.4

61 23.5 18.6 28.0

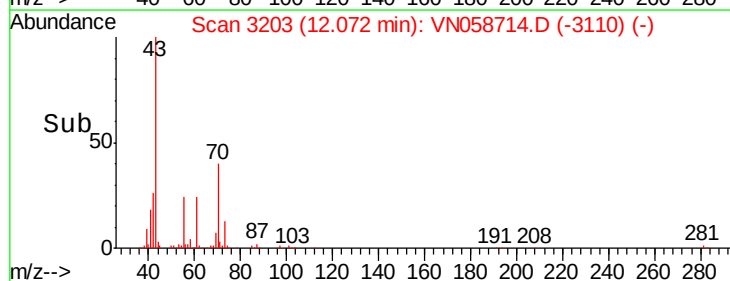
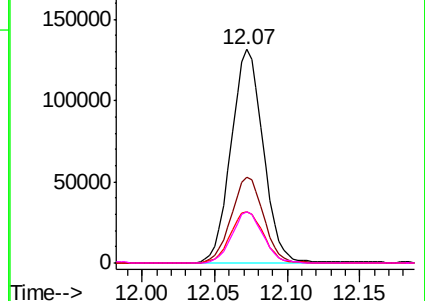


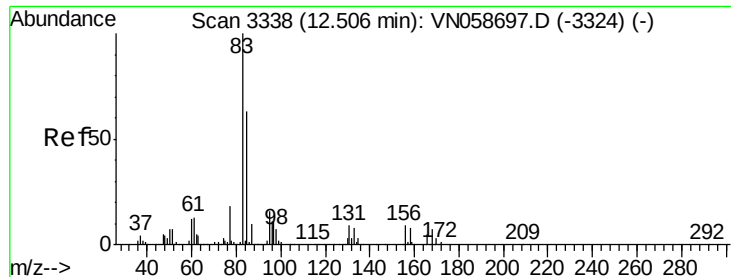
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.115 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD01

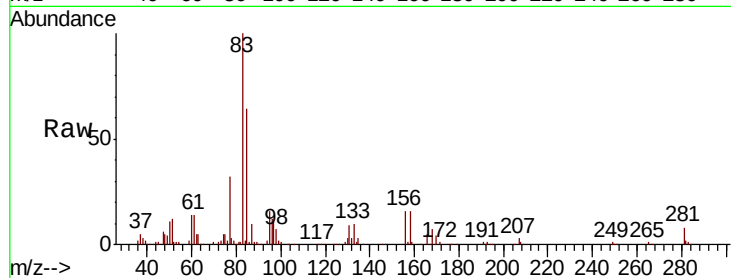
Tot Ion: 83 Resp: 148669

Ion Ratio Lower Upper

83 100

131 9.8 4.8 14.4

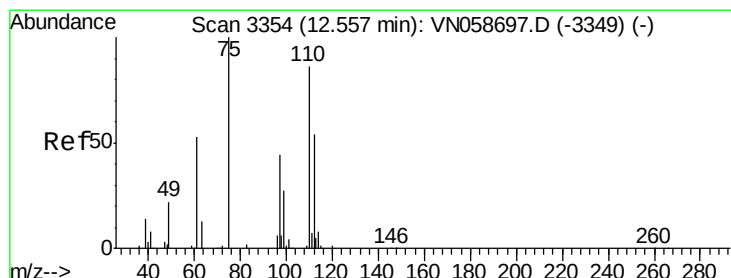
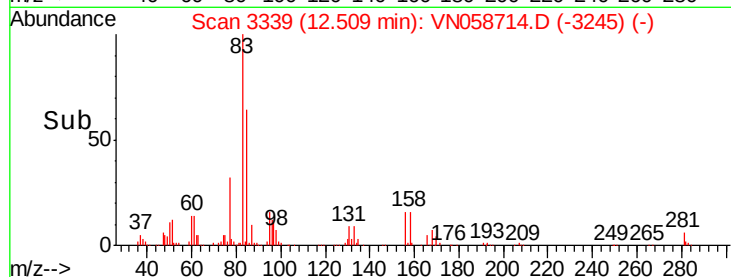
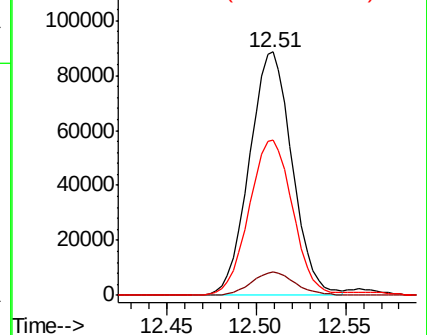
85 64.8 31.9 95.5



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: 30.934 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058714.D

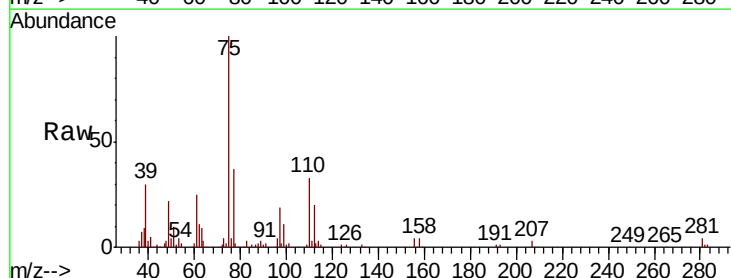
Acq: 11 Oct 2019 20:01

Tgt Ion: 75 Resp: 200275

Ion Ratio Lower Upper

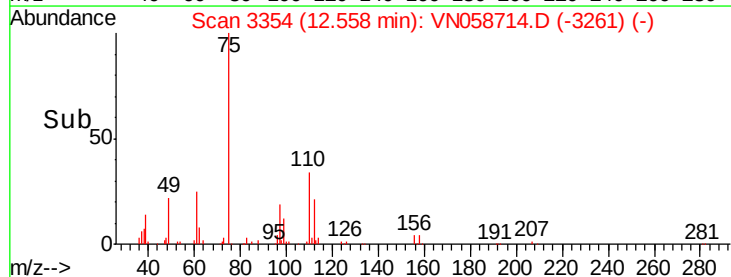
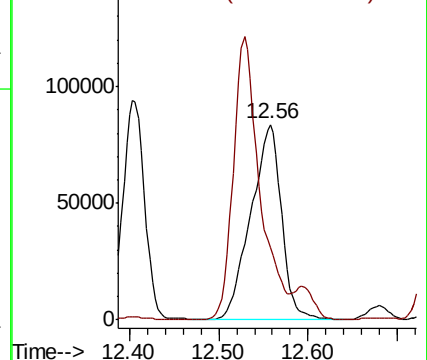
75 100

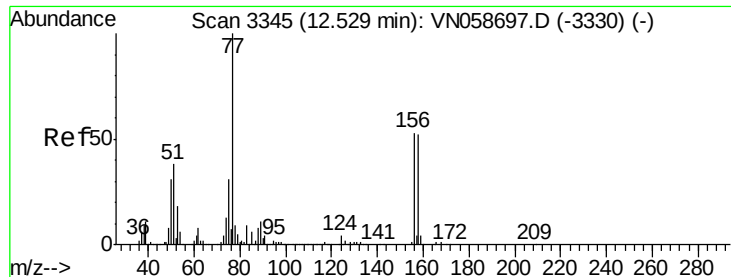
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.153 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD01

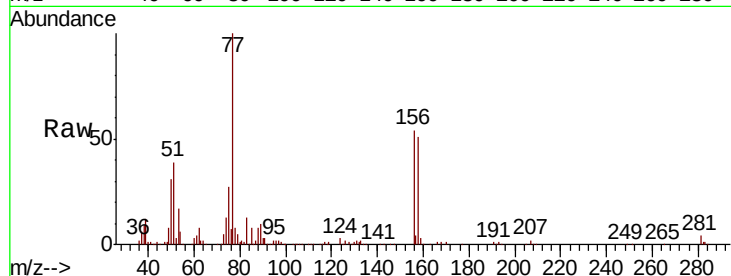
Tot Ion:156 Resp: 109971

Ion Ratio Lower Upper

156 100

77 228.4 115.8 347.3

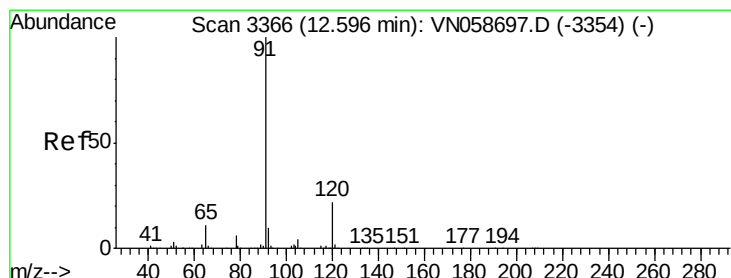
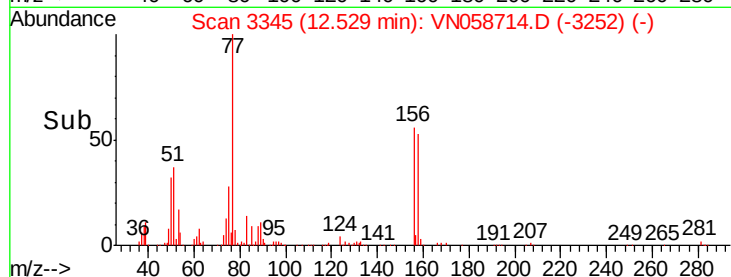
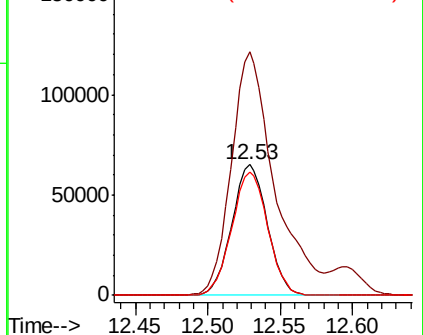
158 96.2 48.9 146.6



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: 21.504 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058714.D

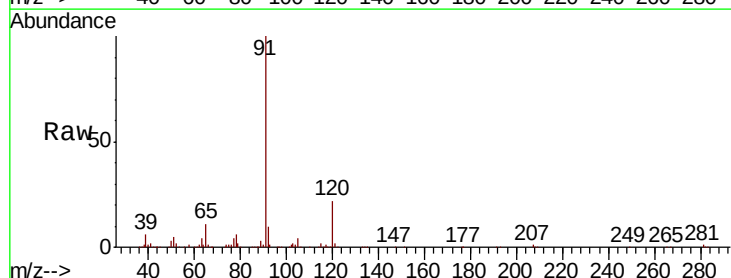
Acq: 11 Oct 2019 20:01

Tgt Ion: 91 Resp: 535565

Ion Ratio Lower Upper

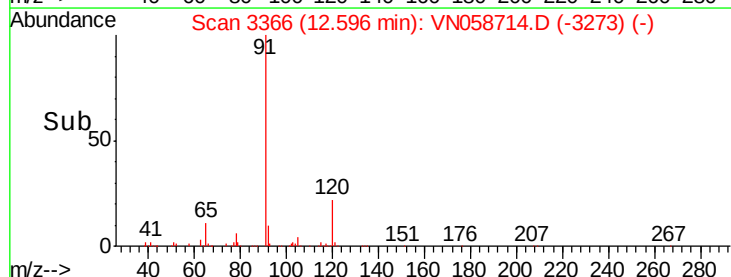
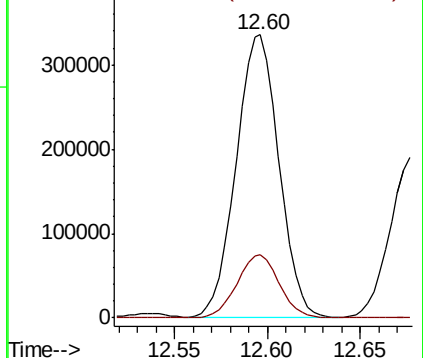
91 100

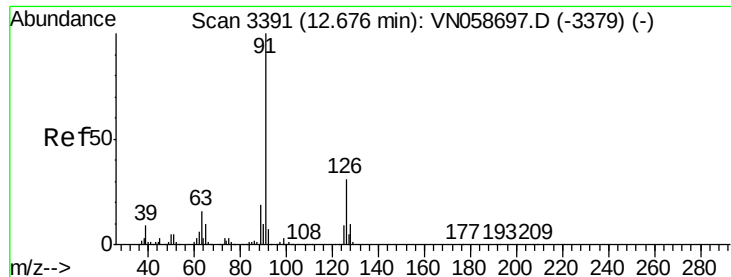
120 22.3 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.524 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

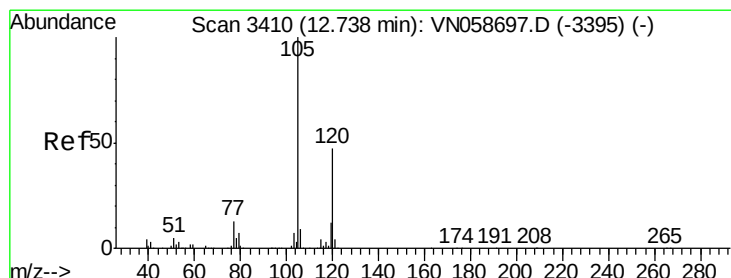
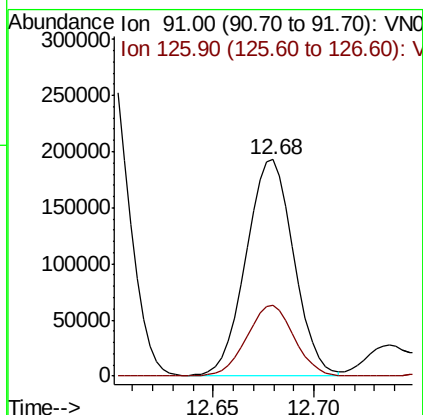
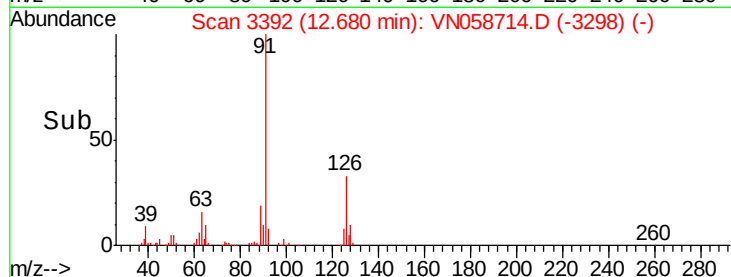
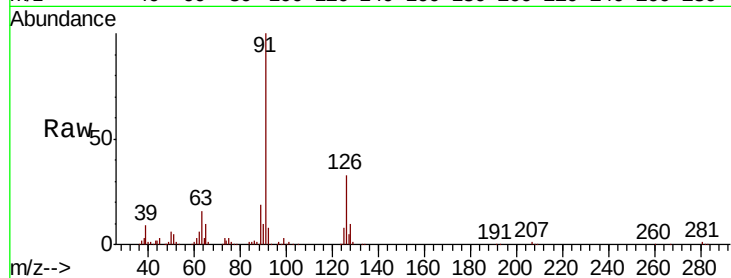
VN1013WBSD01

Tot Ion: 91 Resp: 317272

Ion Ratio Lower Upper

91 100

126 32.8 16.2 48.5



#80

1,3,5-Trimethylbenzene

Concen: 21.397 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058714.D

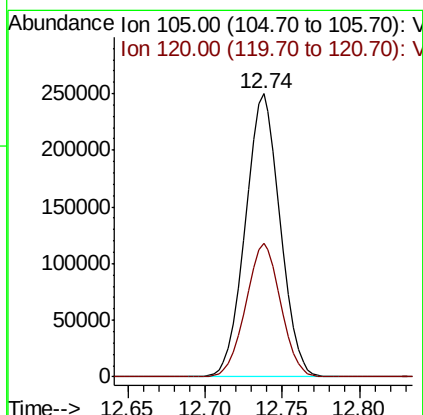
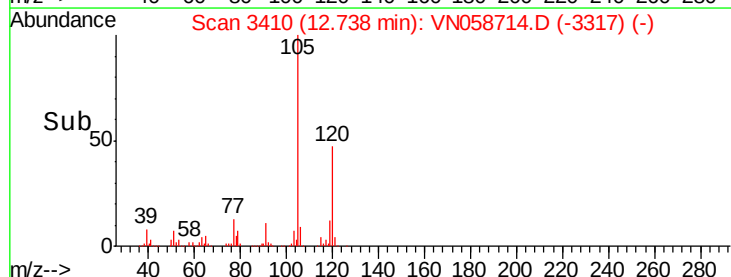
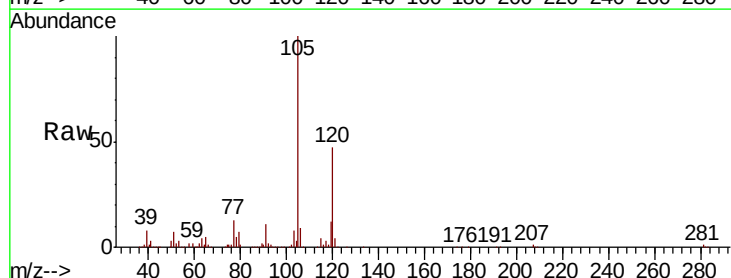
Acq: 11 Oct 2019 20:01

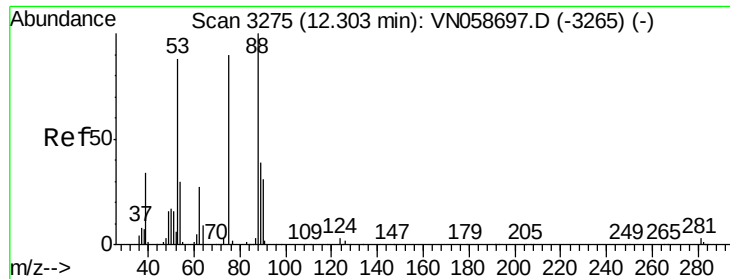
Tgt Ion: 105 Resp: 390435

Ion Ratio Lower Upper

105 100

120 47.3 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.412 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD01

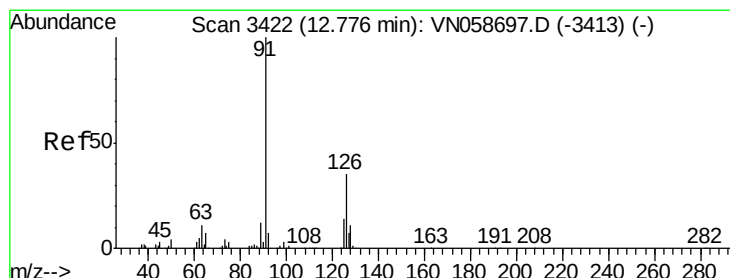
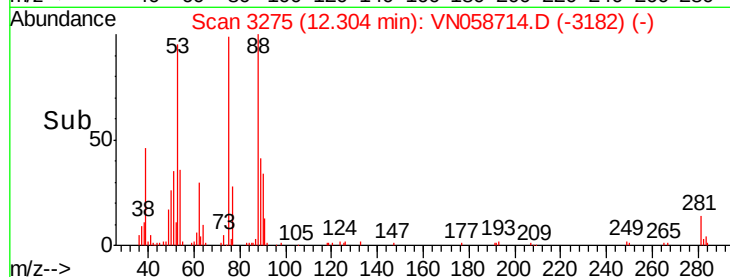
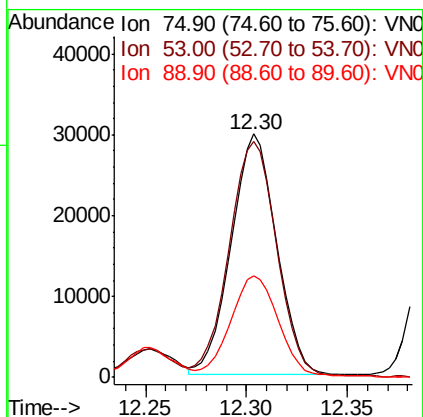
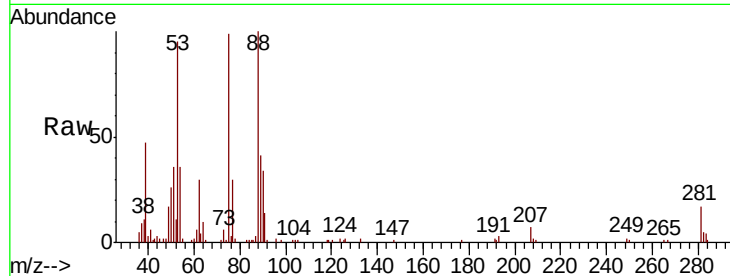
Tot Ion: 75 Resp: 46919

Ion Ratio Lower Upper

75 100

53 102.7 78.4 117.6

89 43.8 34.9 52.3



#82

4-Chlorotoluene

Concen: 20.520 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058714.D

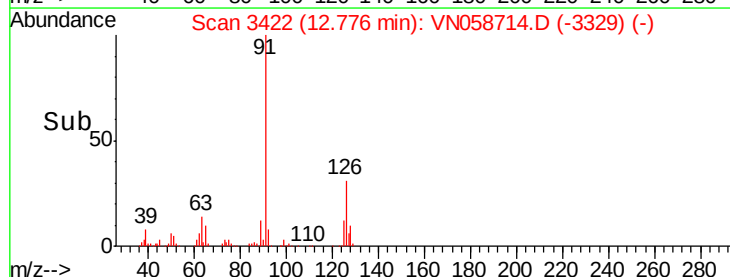
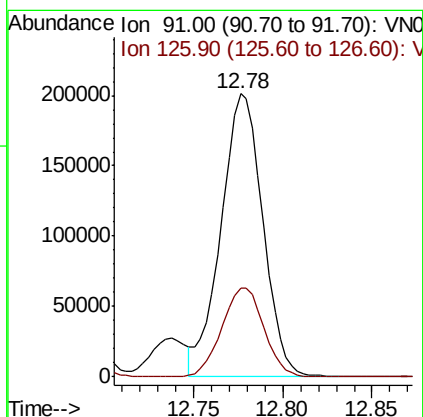
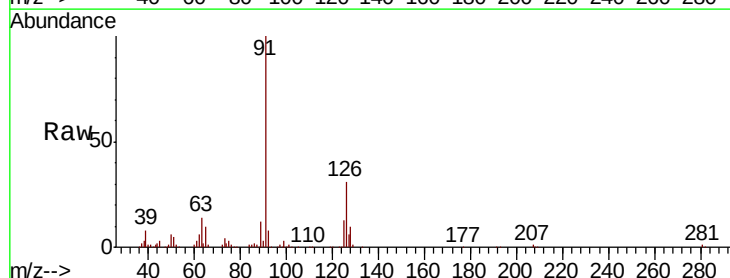
Acq: 11 Oct 2019 20:01

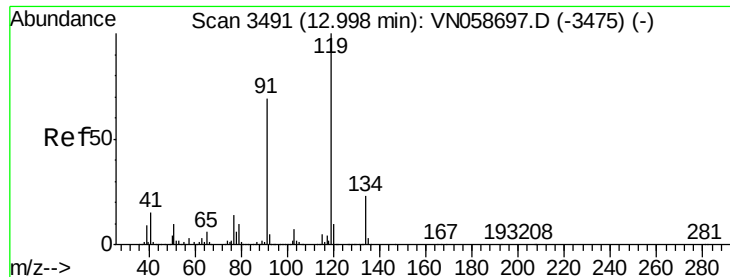
Tgt Ion: 91 Resp: 325506

Ion Ratio Lower Upper

91 100

126 32.0 15.9 47.6

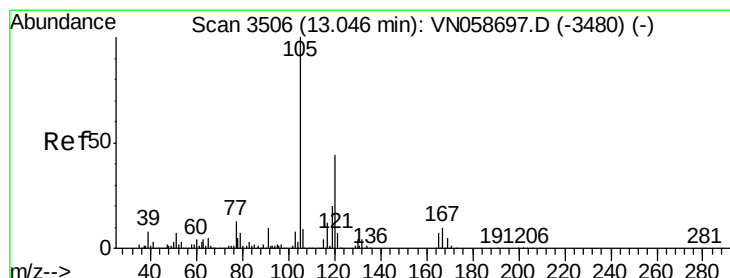
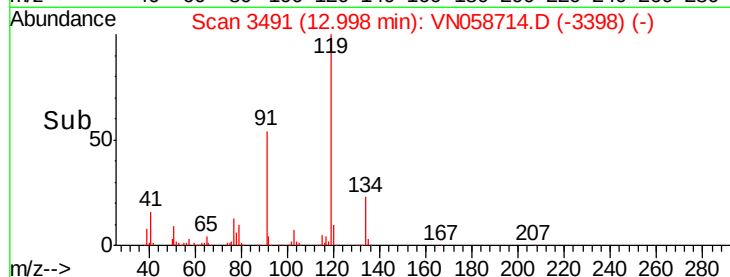
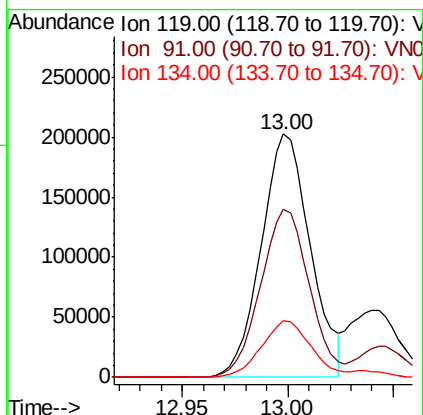
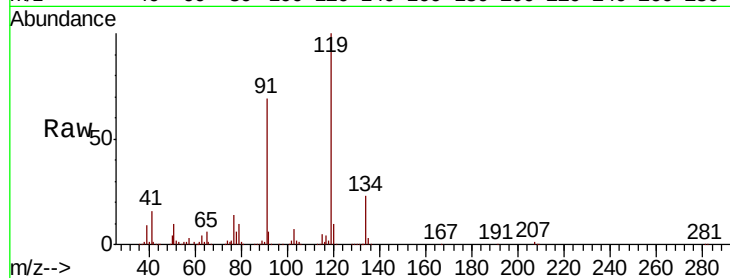




#83
 tert-Butylbenzene
 Concen: 20.982 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058714.D
 Acq: 11 Oct 2019 20:01

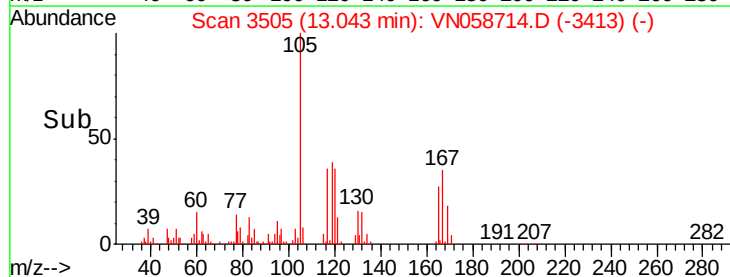
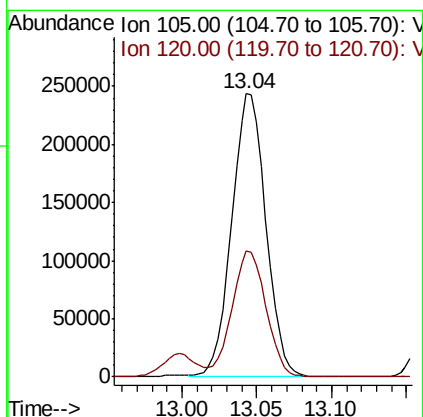
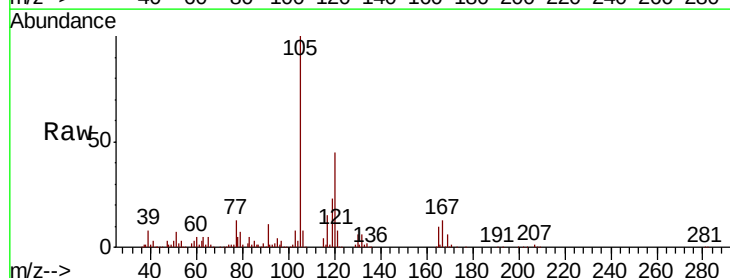
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD01

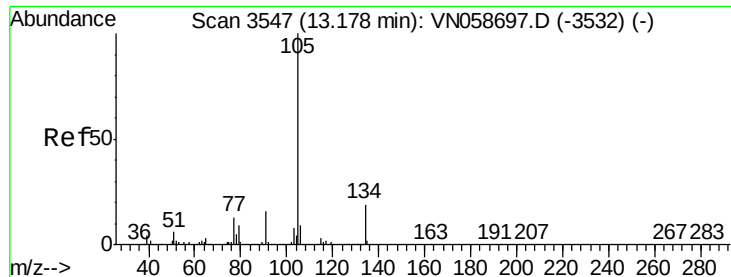
Tot Ion:119 Resp: 327991
 Ion Ratio Lower Upper
 119 100
 91 68.9 33.8 101.3
 134 23.8 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 21.314 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VN058714.D
 Acq: 11 Oct 2019 20:01

Tgt Ion:105 Resp: 386103
 Ion Ratio Lower Upper
 105 100
 120 44.2 21.9 65.7





#85

sec-Butylbenzene

Concen: 21.591 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

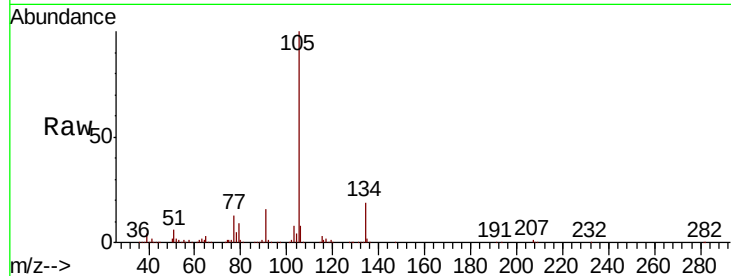
VN1013WBSD01

Tot Ion:105 Resp: 444731

Ion Ratio Lower Upper

105 100

134 18.6 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

300000

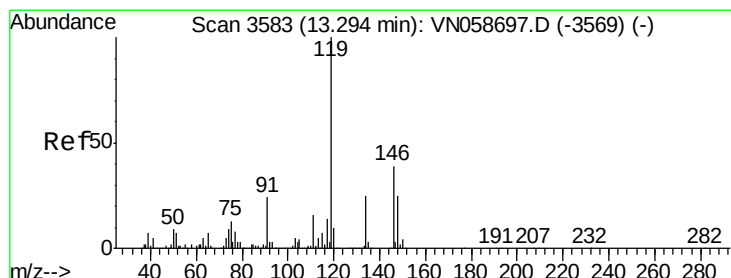
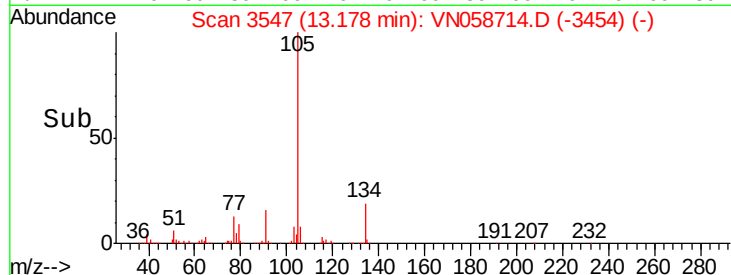
200000

100000

0

Time-->

13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 21.057 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

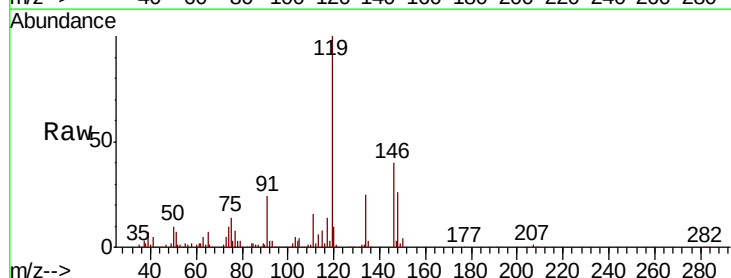
Tgt Ion:119 Resp: 394198

Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.1

91 24.8 11.9 35.5



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

13.29

300000

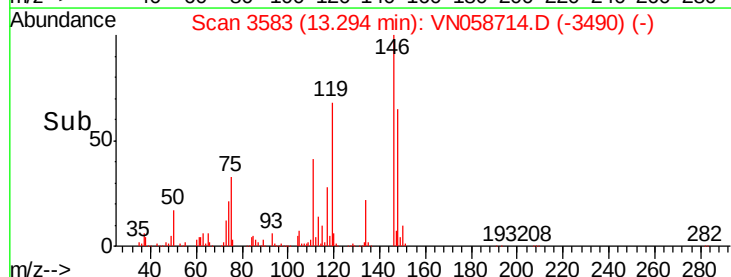
200000

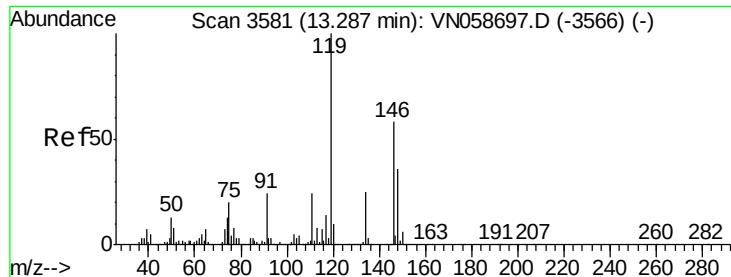
100000

0

Time-->

13.25 13.30 13.35

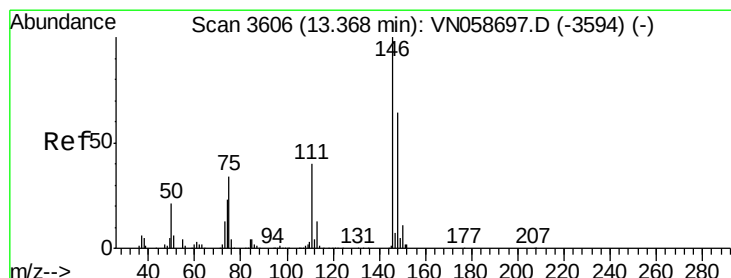
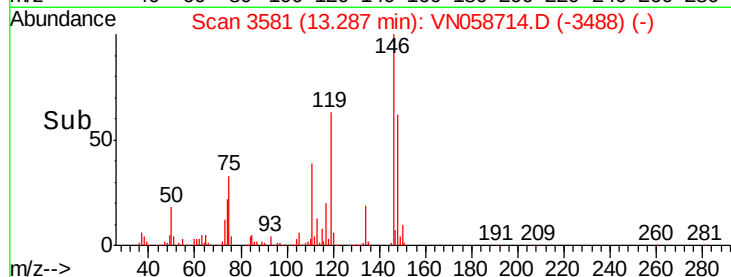
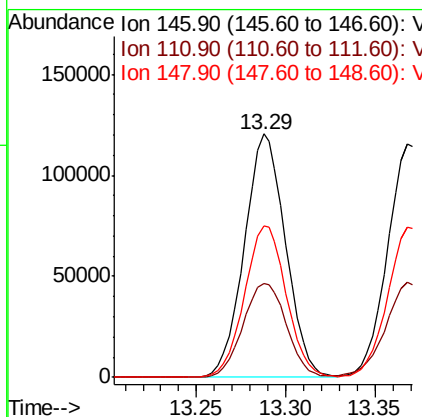
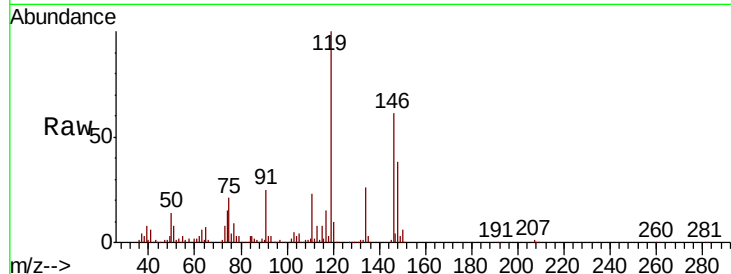




#87
 1,3-Dichlorobenzene
 Concen: 20.299 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058714.D
 Acq: 11 Oct 2019 20:01

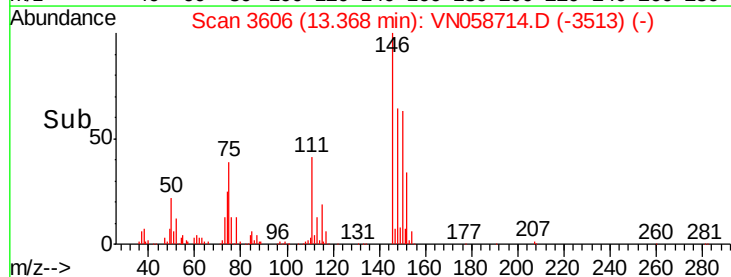
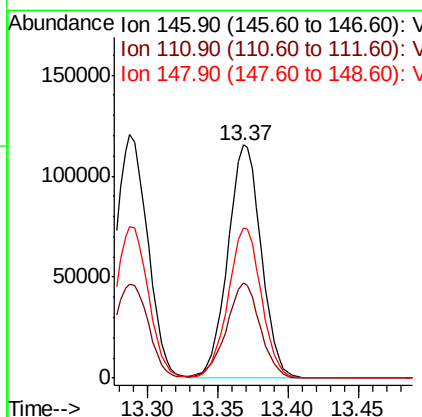
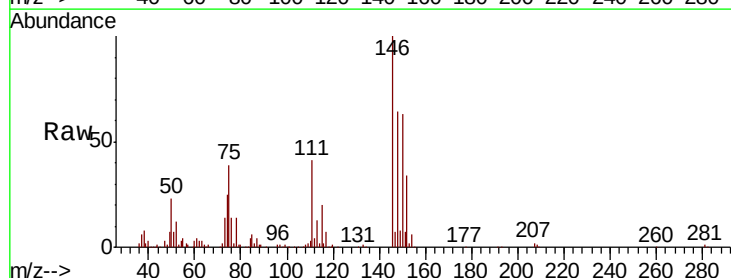
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD01

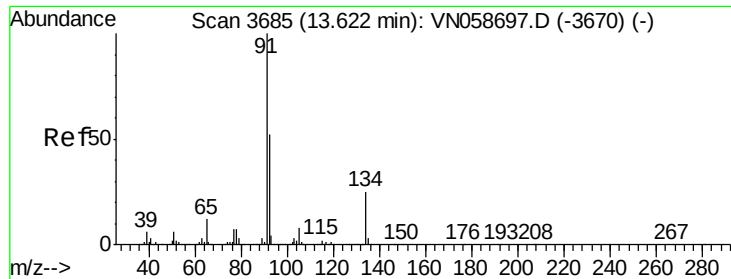
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.5	61.6
148	63.3	31.3	93.9



#88
 1,4-Dichlorobenzene
 Concen: 19.620 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058714.D
 Acq: 11 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.1	60.2
148	64.4	31.9	95.7

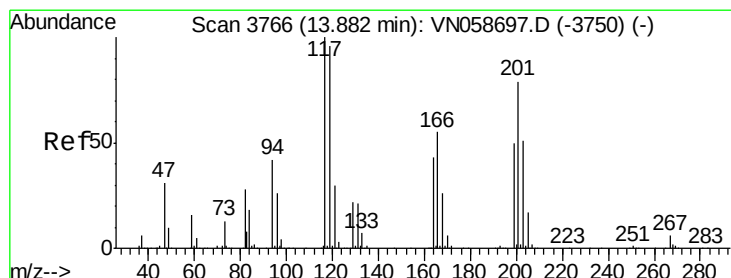
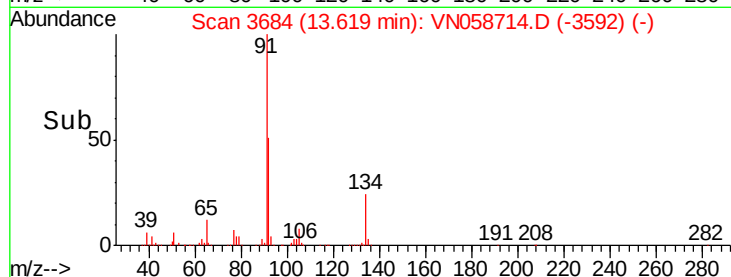
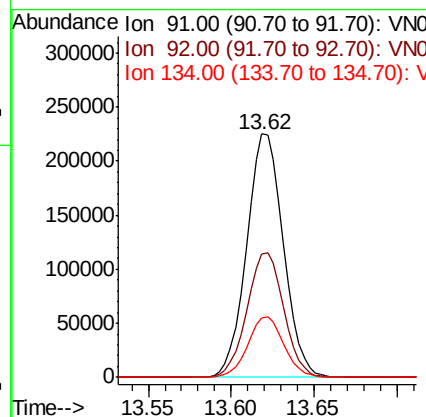
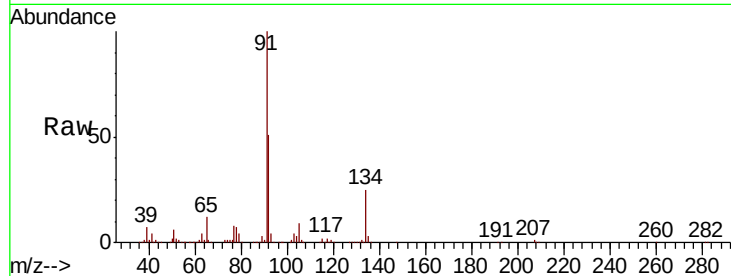




#89
n-Butylbenzene
Concen: 20.020 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

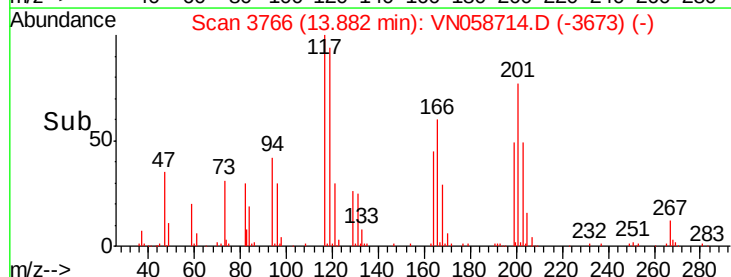
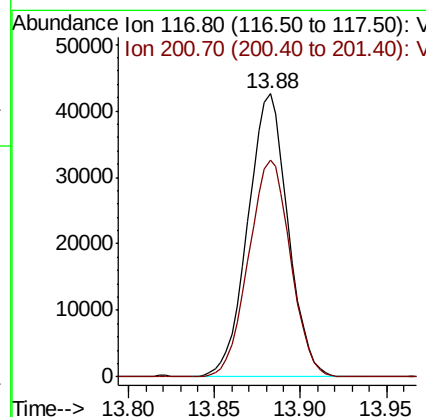
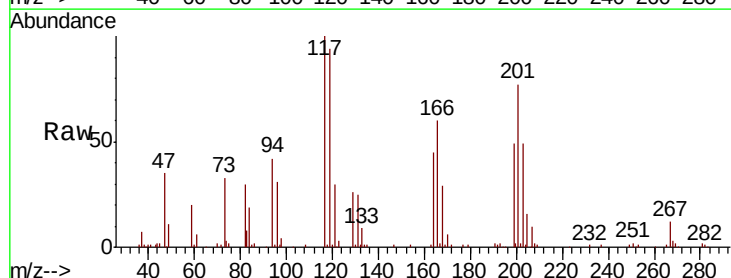
Instrument :
MSVOA_N
ClientSampleId :
VN1013WBSD01

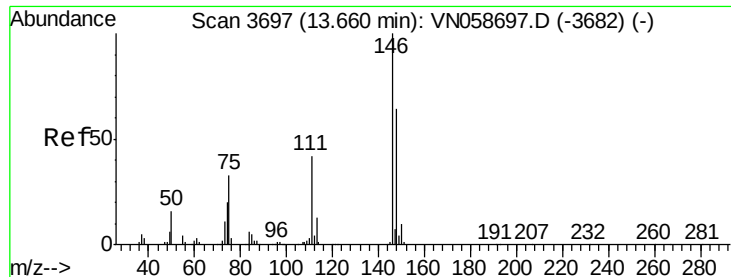
Tot Ion: 91 Resp: 346545
Ion Ratio Lower Upper
91 100
92 51.5 26.0 78.0
134 24.5 12.2 36.6



#90
Hexachloroethane
Concen: 20.585 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Tgt Ion: 117 Resp: 68954
Ion Ratio Lower Upper
117 100
201 79.9 39.6 118.7





#91

1,2-Dichlorobenzene

Concen: 20.600 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBSD01

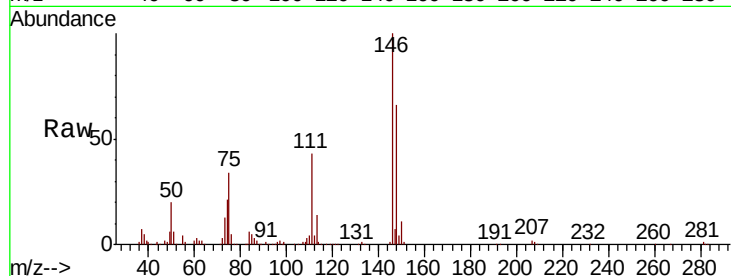
Tot Ion:146 Resp: 192490

Ion Ratio Lower Upper

146 100

111 43.2 21.1 63.4

148 64.9 31.8 95.3

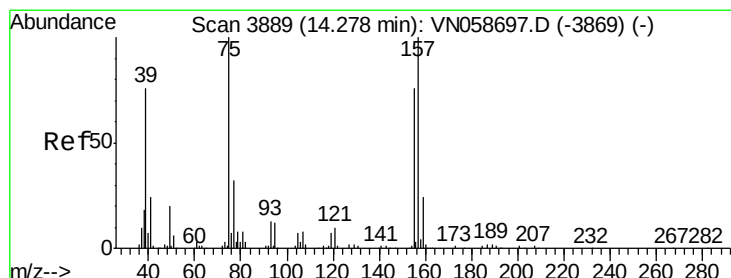
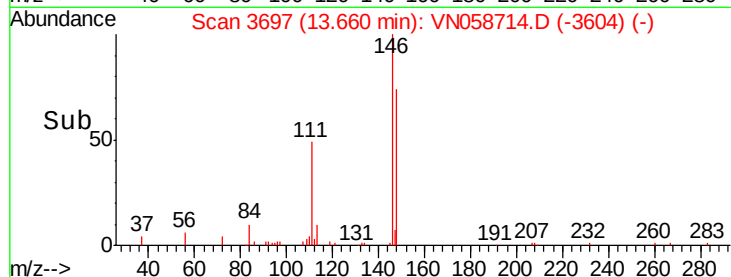
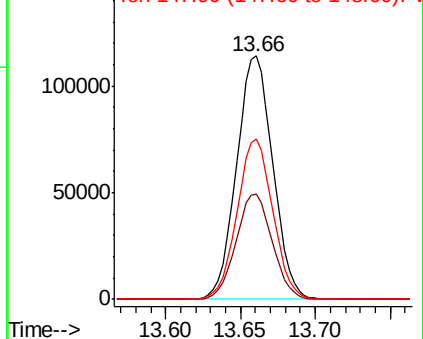


Abundance

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.336 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN058714.D

Acq: 11 Oct 2019 20:01

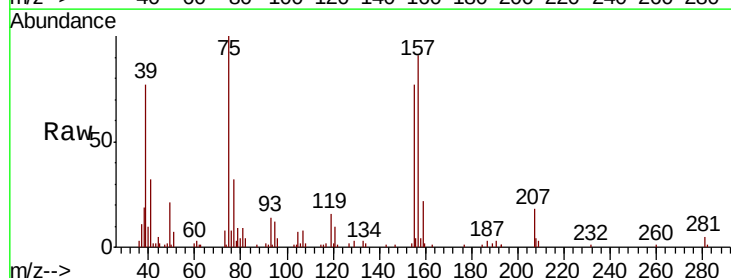
Tgt Ion: 75 Resp: 31807

Ion Ratio Lower Upper

75 100

155 78.6 37.9 113.6

157 94.8 49.4 148.2

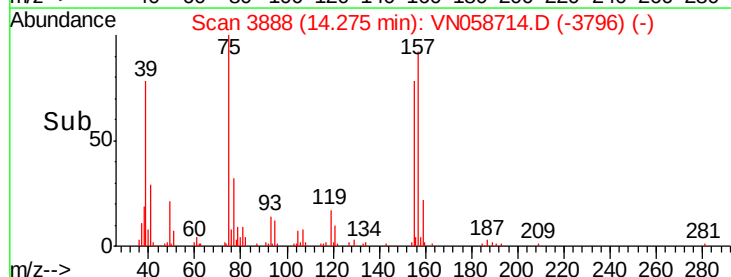
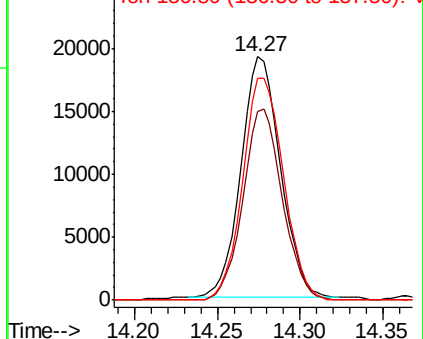


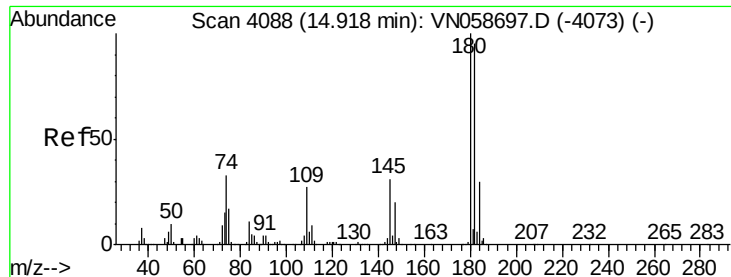
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

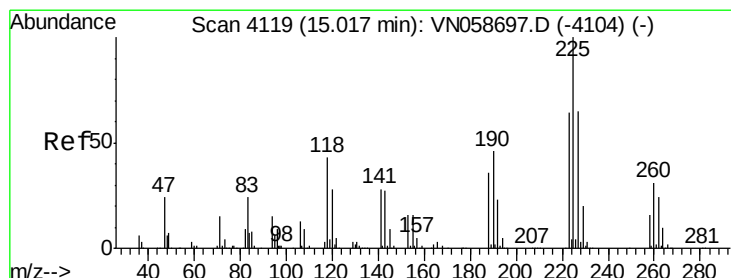
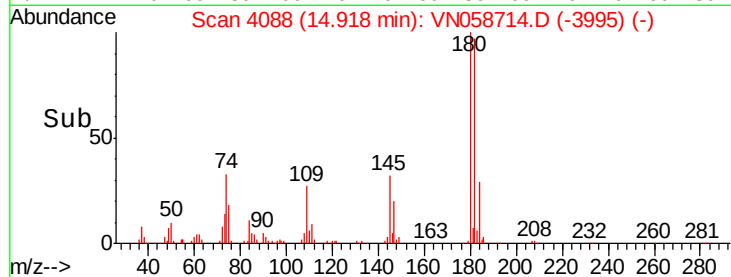
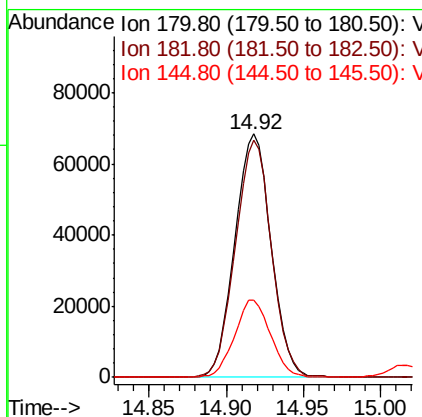
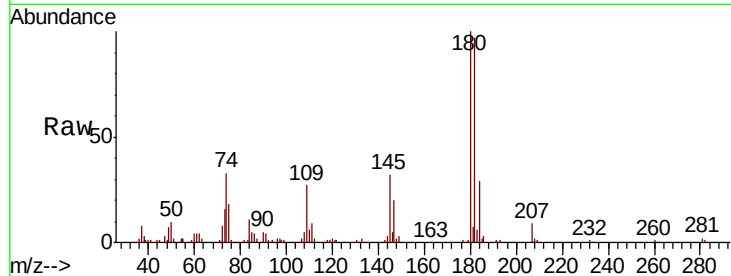




#93
 1,2,4-Trichlorobenzene
 Concen: 19.516 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058714.D
 Acq: 11 Oct 2019 20:01

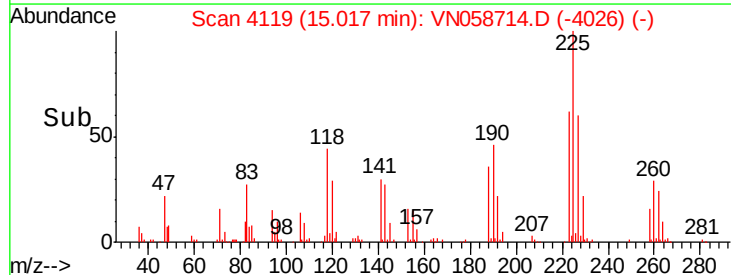
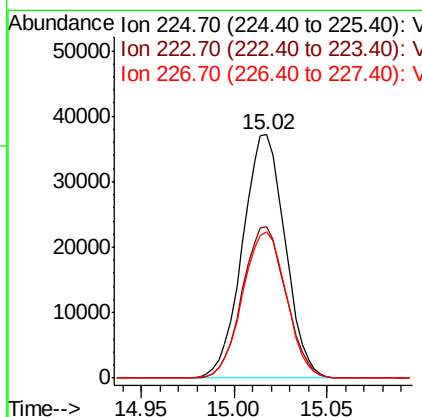
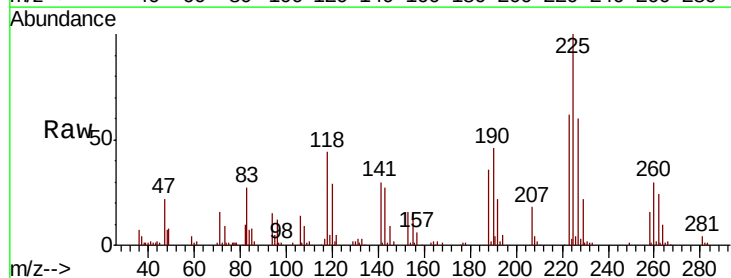
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD01

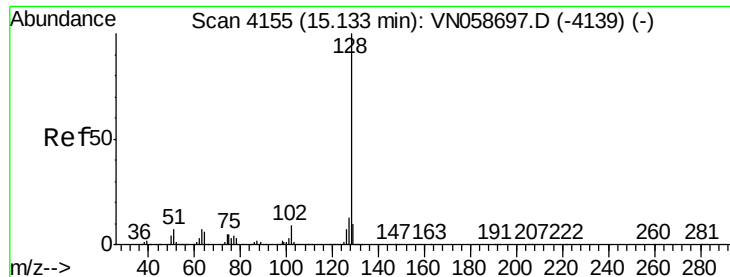
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.4	142.2
145	31.5	15.4	46.2



#94
 Hexachlorobutadiene
 Concen: 19.752 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058714.D
 Acq: 11 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	32.3	96.8
227	61.6	32.4	97.0

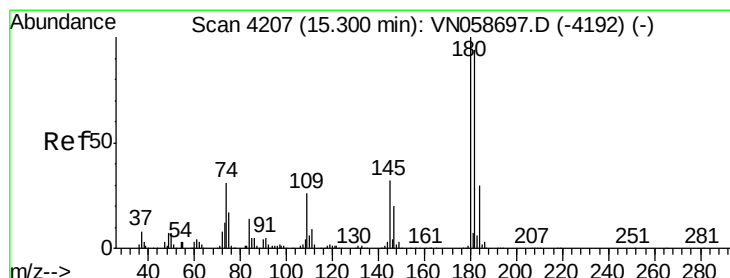
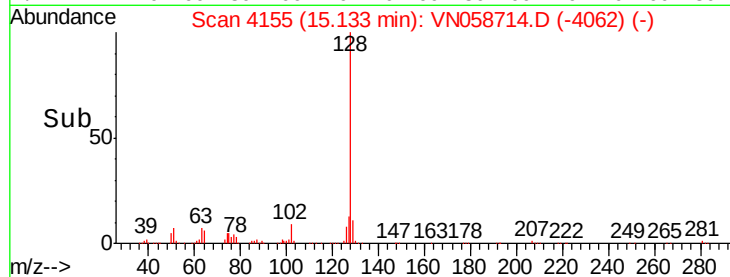
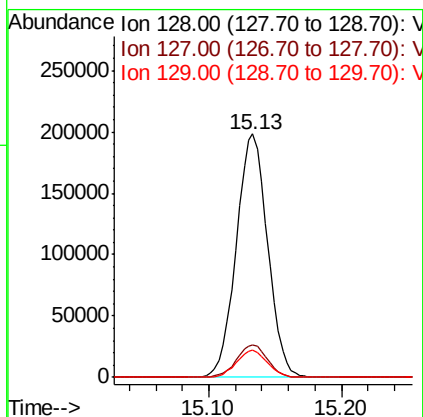
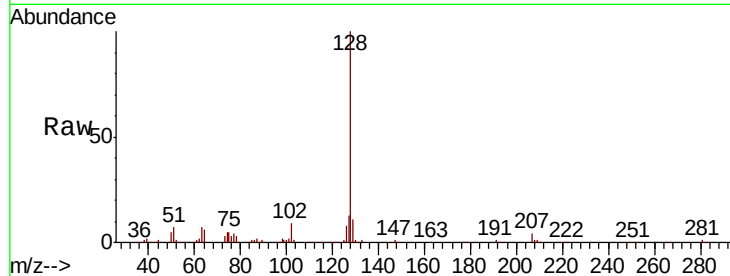




#95
Naphthalene
Concen: 19.841 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Instrument :
MSVOA_N
ClientSampled :
VN1013WBSD01

Tot Ion:128 Resp: 325044
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 11.0 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 19.601 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058714.D
Acq: 11 Oct 2019 20:01

Tgt Ion:180 Resp: 109086
Ion Ratio Lower Upper
180 100
182 96.0 47.3 142.0
145 32.4 16.2 48.6

