

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031919\
 Data File : VN054445.D
 Acq On : 19 Mar 2019 17:28
 Operator : JC/SP
 Sample : VN0319MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 20 03:53:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1388439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2112176	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1808281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	842765	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	640504	43.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.88%	
35) Dibromofluoromethane	7.59	113	649308	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
50) Toluene-d8	10.09	98	2391475	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	
62) 4-Bromofluorobenzene	12.40	95	802122	45.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	238070	18.092	ug/l	99
3) Chloromethane	2.06	50	230170	18.007	ug/l	98
4) Vinyl Chloride	2.19	62	233247	15.965	ug/l	98
5) Bromomethane	2.57	94	157873	15.602	ug/l	97
6) Chloroethane	2.71	64	140733	15.921	ug/l	95
7) Trichlorofluoromethane	3.02	101	300313	15.461	ug/l	99
8) Diethyl Ether	3.41	74	157456	17.789	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.75	101	249221	17.122	ug/l	99
10) Methyl Iodide	3.95	142	374442	19.069	ug/l	99
11) Tert butyl alcohol	4.81	59	80726	79.859	ug/l	97
12) 1,1-Dichloroethene	3.73	96	246367	17.080	ug/l	98
13) Acrolein	3.61	56	56119	58.587	ug/l	98
14) Allyl chloride	4.32	41	332740	17.979	ug/l	93
15) Acrylonitrile	4.99	53	439291	105.795	ug/l	98
16) Acetone	3.82	43	248937	58.963	ug/l	97
17) Carbon Disulfide	4.04	76	522502	14.450	ug/l	100
18) Methyl Acetate	4.33	43	199588	23.366	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	741161	20.730	ug/l	100
20) Methylene Chloride	4.54	84	288810	20.833	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	276172	19.983	ug/l	95
22) Diisopropyl ether	5.96	45	770905	20.871	ug/l	95
23) Vinyl Acetate	5.90	43	2462783	90.432	ug/l	97
24) 1,1-Dichloroethane	5.85	63	487946	20.574	ug/l	99
25) 2-Butanone	6.85	43	457180	92.262	ug/l	96
26) 2,2-Dichloropropane	6.82	77	284346	13.634	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	328145	21.283	ug/l	94
28) Bromochloromethane	7.19	49	187644	19.354	ug/l	91
29) Tetrahydrofuran	7.22	42	308768	96.913	ug/l	94
30) Chloroform	7.37	83	503411	20.342	ug/l	99
31) Cyclohexane	7.65	56	435615	18.882	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	403961	18.074	ug/l	99
36) 1,1-Dichloropropene	7.79	75	370275	19.036	ug/l	99
37) Ethyl Acetate	6.94	43	203310	18.191	ug/l #	95
38) Carbon Tetrachloride	7.77	117	343386	16.834	ug/l	98

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 MSVOA_N
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	408985	17.089	ug/l	97
40) Benzene	8.04	78	1170463	21.028	ug/l	99
41) Methacrylonitrile	7.17	41	112407	17.615	ug/l	90
42) 1,2-Dichloroethane	8.13	62	340264	18.107	ug/l	95
43) Isopropyl Acetate	8.17	43	338341	17.247	ug/l	95
44) Trichloroethene	8.83	130	346779	20.055	ug/l	96
45) 1,2-Dichloropropane	9.12	63	292459	21.160	ug/l	99
46) Dibromomethane	9.21	93	177015	18.955	ug/l	97
47) Bromodichloromethane	9.40	83	337279	18.016	ug/l	100
48) Methyl methacrylate	9.20	41	184355	18.517	ug/l	89
49) 1,4-Dioxane	9.20	88	56220	399.226	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1003822	96.690	ug/l	92
52) Toluene	10.16	92	722565	20.473	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	300361	15.456	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	388564	17.811	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	265421	20.596	ug/l	98
56) Ethyl methacrylate	10.43	69	319652	20.802	ug/l #	89
57) 1,3-Dichloropropane	10.71	76	438298	20.800	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	588979	99.231	ug/l	100
59) 2-Hexanone	10.75	43	626117	90.635	ug/l	93
60) Dibromochloromethane	10.90	129	254715	17.560	ug/l	99
61) 1,2-Dibromoethane	11.01	107	263056	20.087	ug/l	99
64) Tetrachloroethene	10.63	164	350744	20.062	ug/l	96
65) Chlorobenzene	11.43	112	832089	20.957	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	276634	19.179	ug/l	98
67) Ethyl Benzene	11.51	91	1353694	20.567	ug/l	98
68) m/p-Xylenes	11.62	106	1058681	41.154	ug/l	98
69) o-Xylene	11.95	106	536769	21.405	ug/l	95
70) Styrene	11.96	104	846436	21.522	ug/l	100
71) Bromoform	12.13	173	165161	16.666	ug/l #	92
73) Isopropylbenzene	12.25	105	1364357	20.235	ug/l	100
74) N-amyl acetate	12.07	43	290841	19.433	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	297876	20.735	ug/l #	96
76) 1,2,3-Trichloropropane	12.55	75	359318	28.993	ug/l #	100
77) Bromobenzene	12.53	156	1622997	90.964	ug/l #	14
78) n-propylbenzene	12.59	91	1416860	19.366	ug/l	98
79) 2-Chlorotoluene	12.67	91	875516	19.903	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1165602	20.783	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	44098	12.164	ug/l #	82
82) 4-Chlorotoluene	12.77	91	866739	19.732	ug/l	98
83) tert-Butylbenzene	12.99	119	985932	19.099	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1099493	19.983	ug/l	100
85) sec-Butylbenzene	13.17	105	1237461	18.484	ug/l	99
86) p-Isopropyltoluene	13.29	119	1091987	18.592	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	584192	19.431	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	572503	19.384	ug/l	99
89) n-Butylbenzene	13.62	91	812500	18.207	ug/l	98
90) Hexachloroethane	13.87	117	128420	13.205	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	591389	20.122	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36529	16.432	ug/l	87

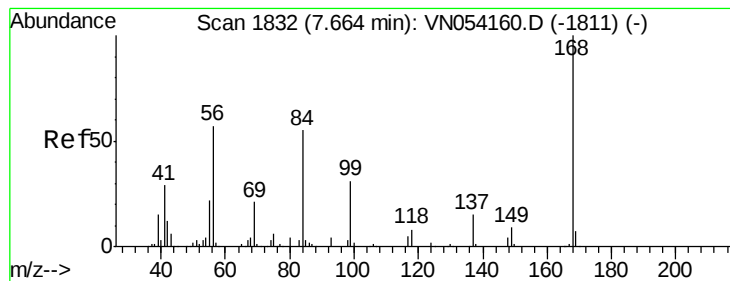
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	315726	19.414	ug/l	100
94) Hexachlorobutadiene	15.01	225	174092	15.551	ug/l	100
95) Naphthalene	15.13	128	766593	22.770	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	317085	20.305	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

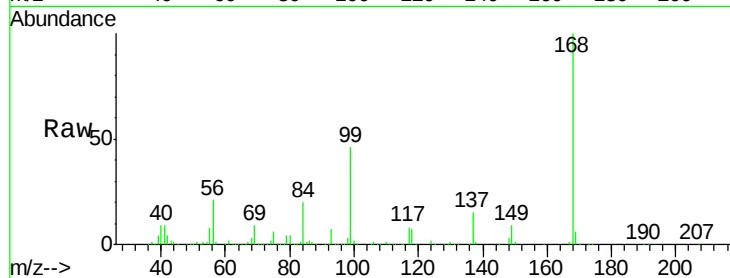
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1388439

Ion Ratio Lower Upper

168 100

99 45.7 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

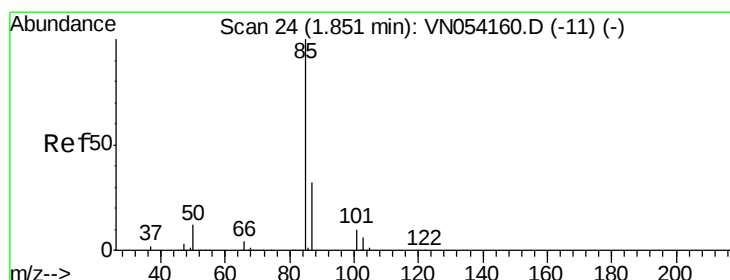
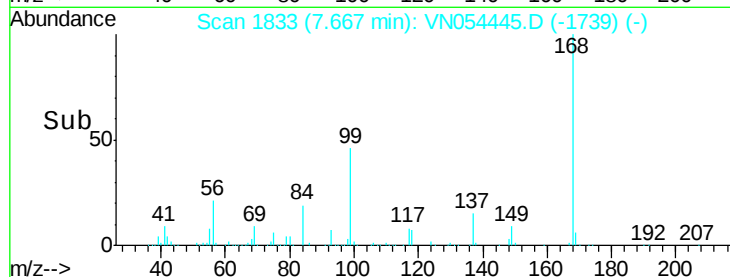
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 18.092 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054445.D

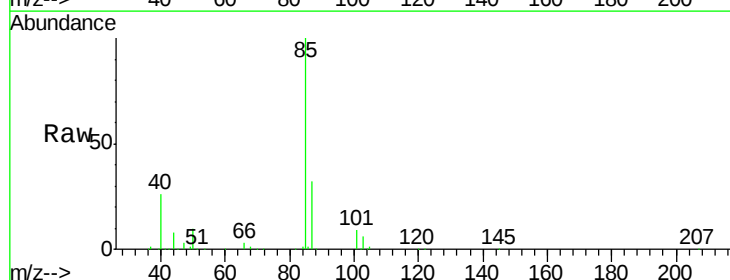
Acq: 19 Mar 2019 17:28

Tgt Ion: 85 Resp: 238070

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

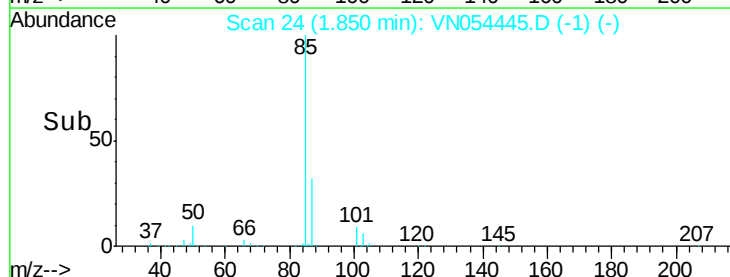
150000

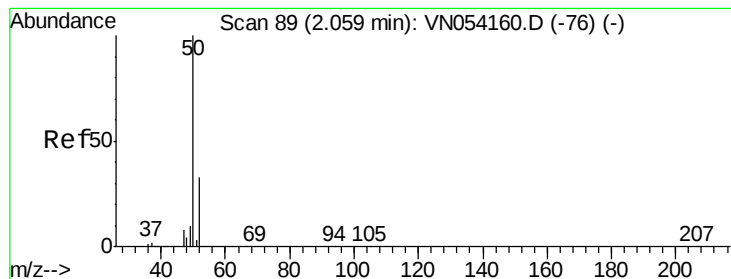
100000

50000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 18.007 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

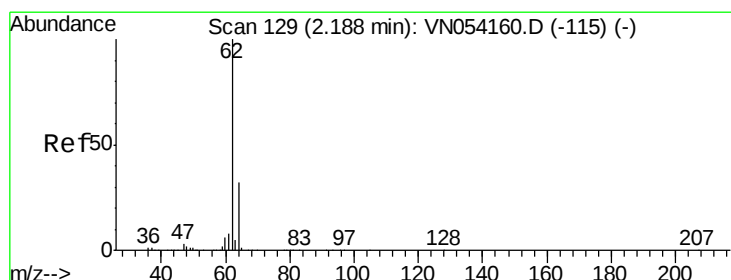
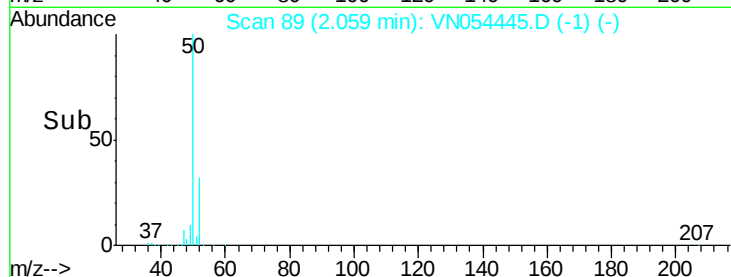
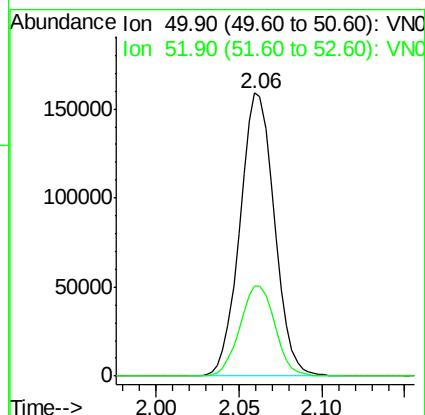
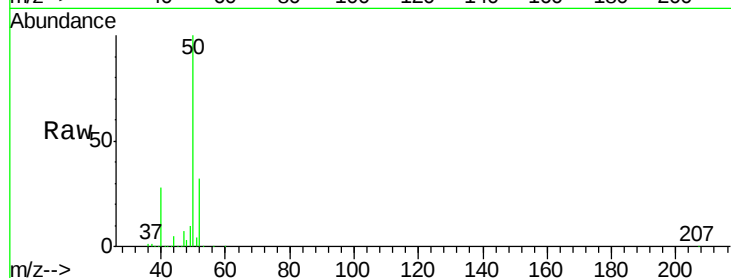
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 230170

Ion Ratio Lower Upper

50 100

52 32.0 26.4 39.6



#4

Vinyl Chloride

Concen: 15.965 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054445.D

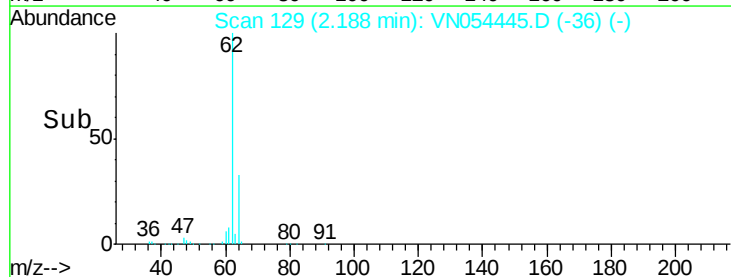
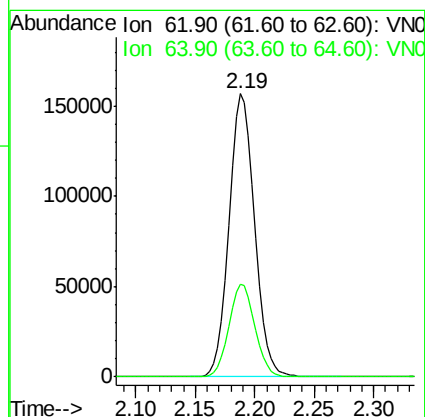
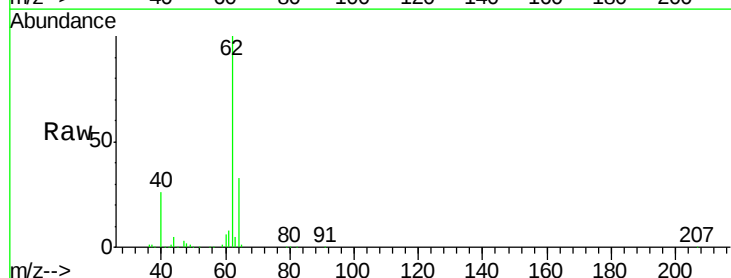
Acq: 19 Mar 2019 17:28

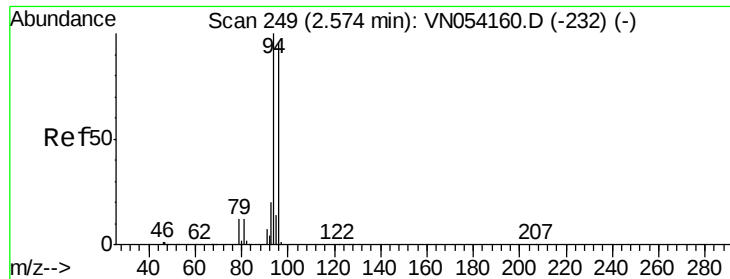
Tgt Ion: 62 Resp: 233247

Ion Ratio Lower Upper

62 100

64 32.9 25.5 38.3





#5

Bromomethane

Concen: 15.602 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA_N

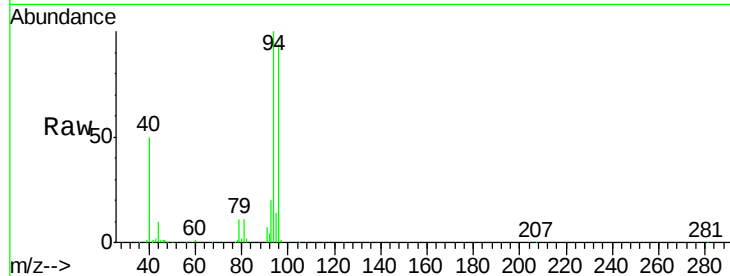
ClientSampleId :

Tot Ion: 94 Resp: 157873

Ion Ratio Lower Upper

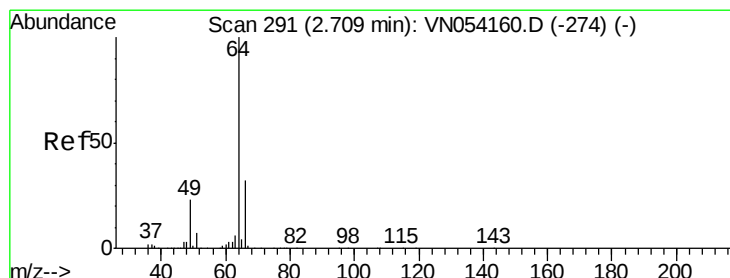
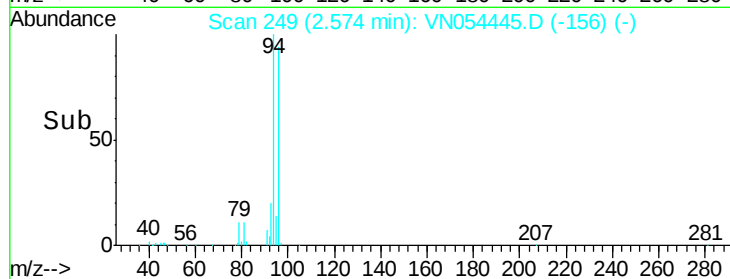
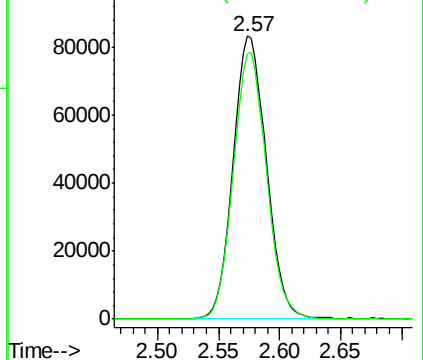
94 100

96 93.7 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 15.921 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054445.D

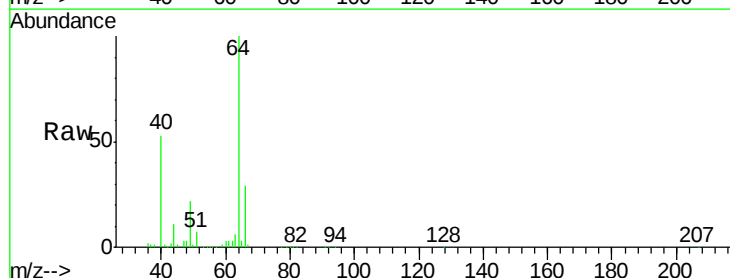
Acq: 19 Mar 2019 17:28

Tgt Ion: 64 Resp: 140733

Ion Ratio Lower Upper

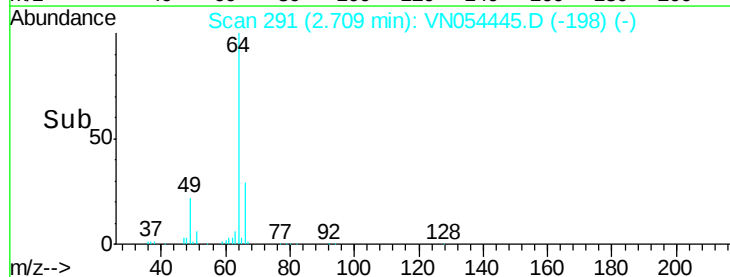
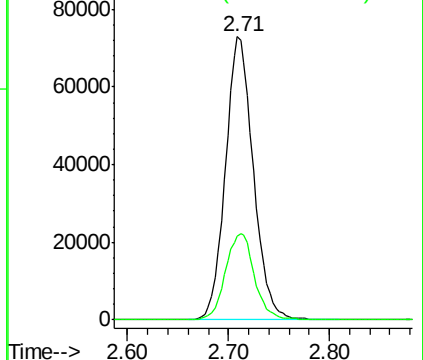
64 100

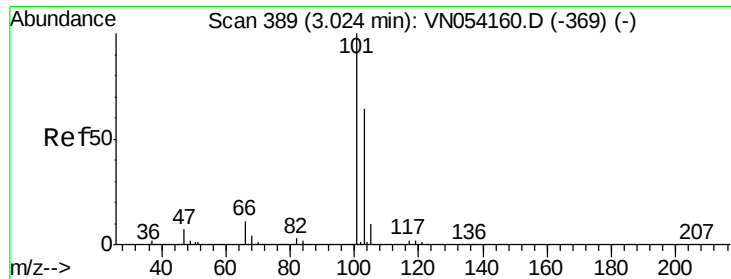
66 29.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC



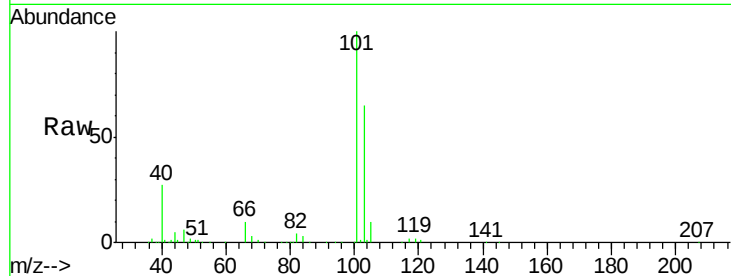


#7

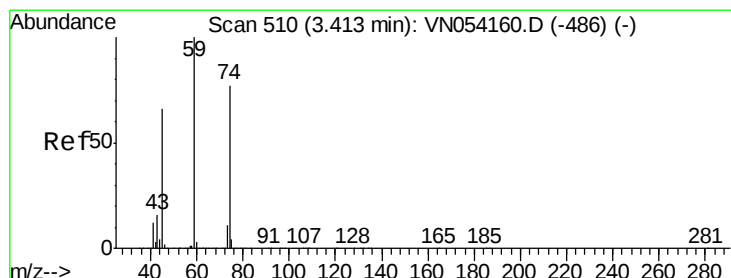
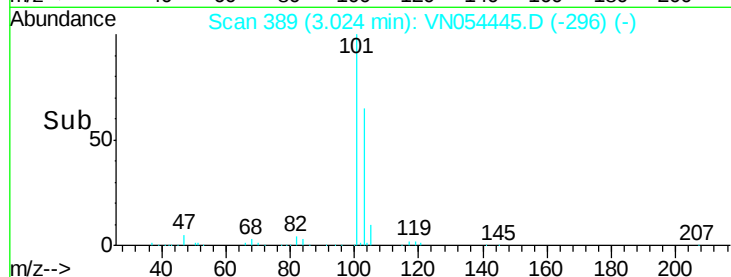
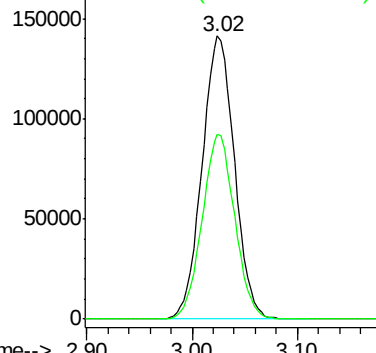
Trichlorofluoromethane
Concen: 15.461 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054445.D
Acq: 19 Mar 2019 17:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:101 Resp: 300313
Ion Ratio Lower Upper
101 100
103 65.4 51.4 77.2



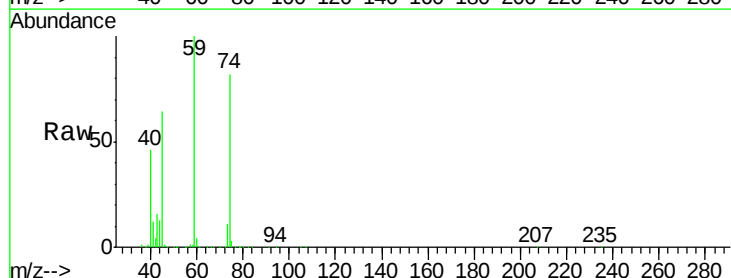
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



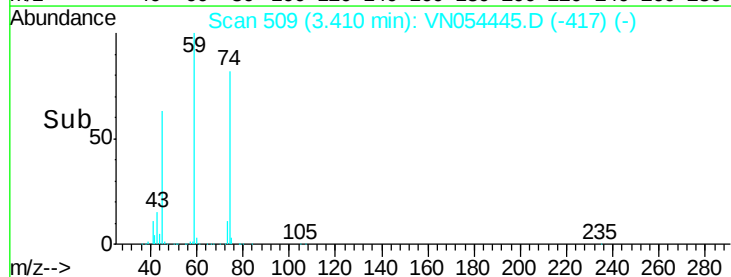
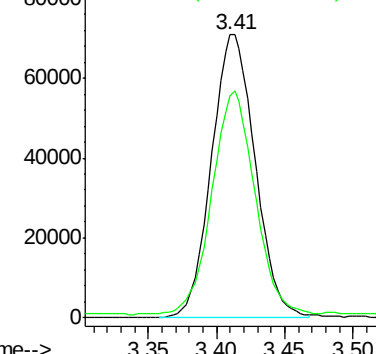
#8

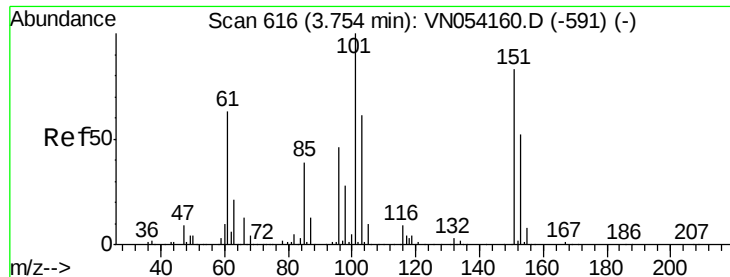
Diethyl Ether
Concen: 17.789 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN054445.D
Acq: 19 Mar 2019 17:28

Tgt Ion: 74 Resp: 157456
Ion Ratio Lower Upper
74 100
45 76.8 43.1 129.4



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.122 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

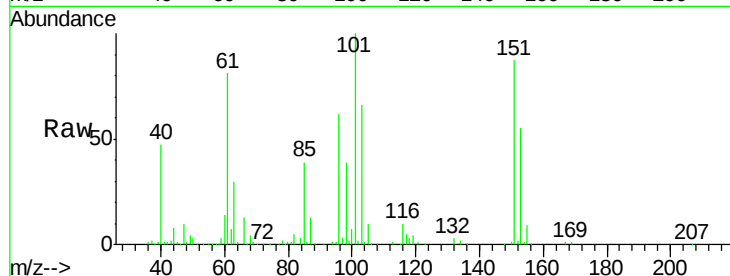
Tot Ion:101 Resp: 249221

Ion Ratio Lower Upper

101 100

85 40.5 32.4 48.6

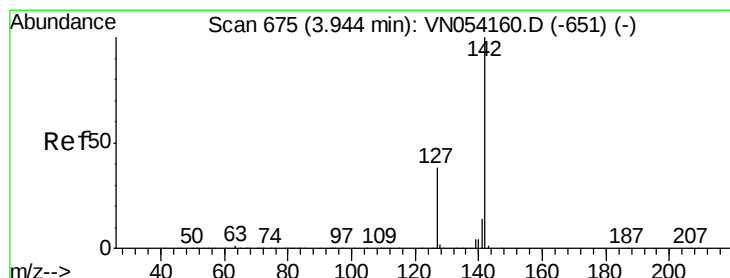
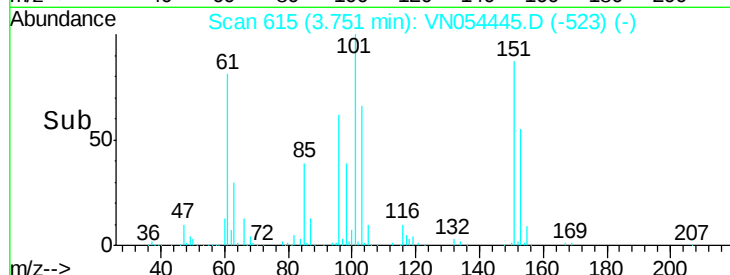
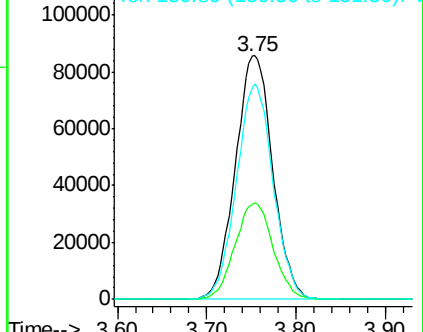
151 87.1 68.2 102.2



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: 19.069 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

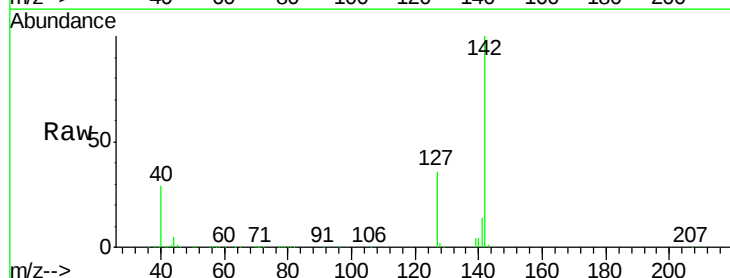
Tgt Ion:142 Resp: 374442

Ion Ratio Lower Upper

142 100

127 36.8 30.3 45.5

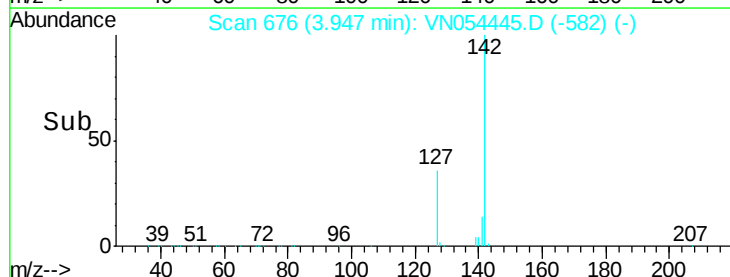
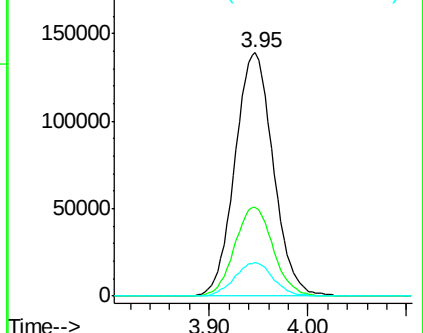
141 14.0 11.2 16.8

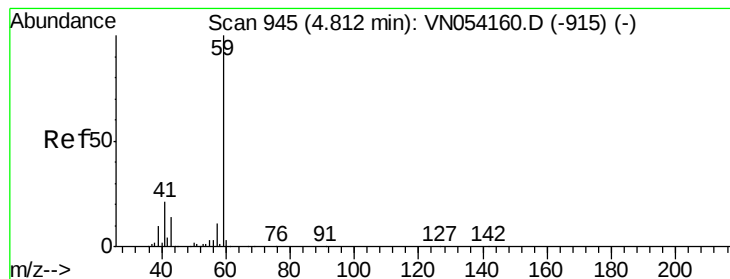


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



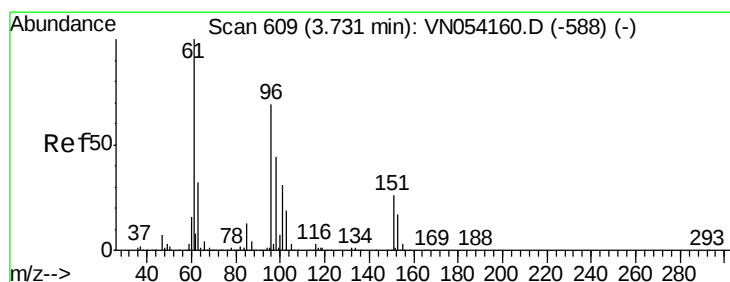
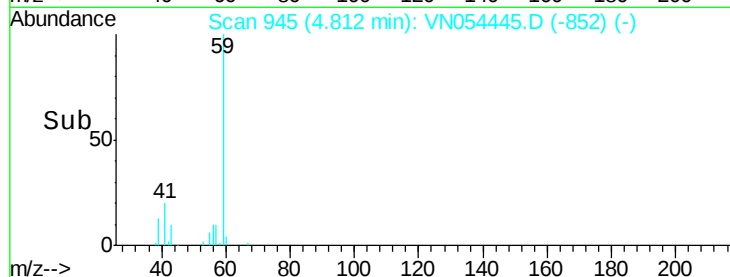
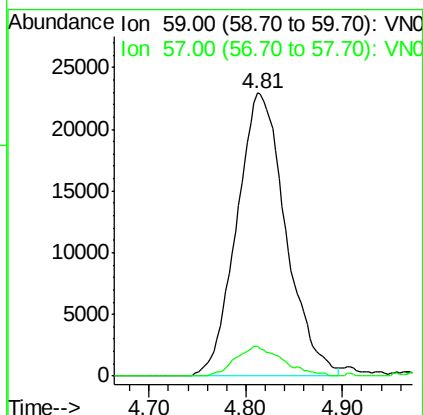
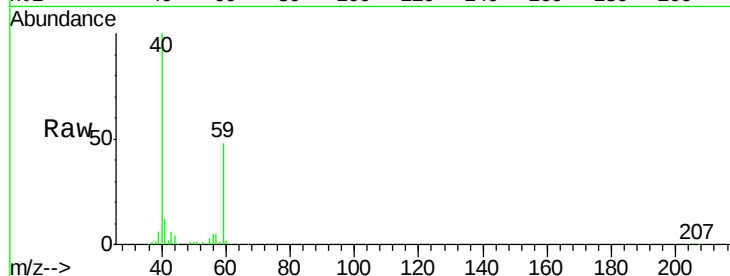


#11

Tert butyl alcohol
 Concen: 79.859 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. -0.00 min
 Lab File: VN054445.D
 Acq: 19 Mar 2019 17:28

Instrument :
 MSVOA_N
 ClientSampled :

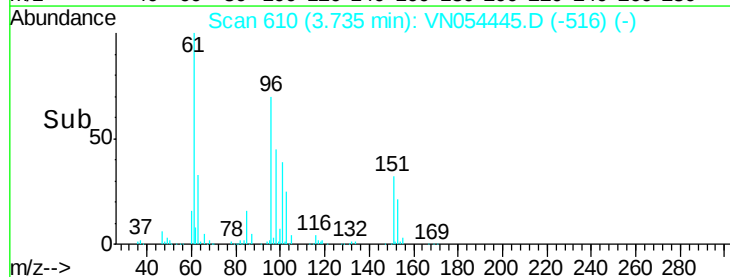
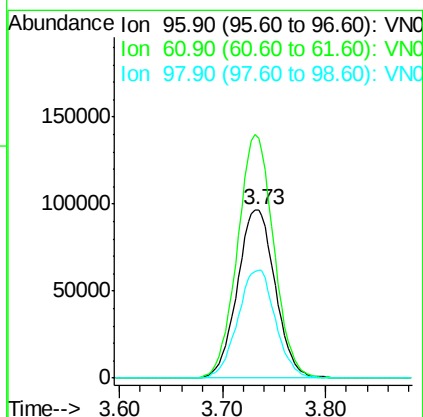
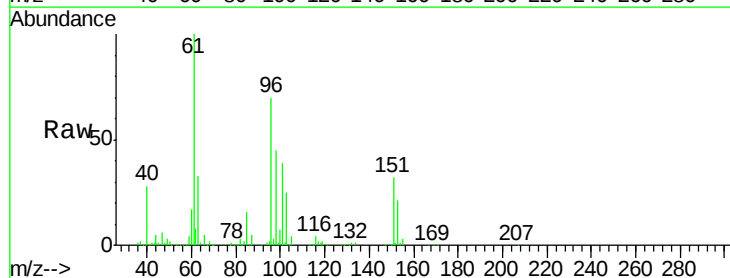
Tot Ion: 59 Resp: 80726
 Ion Ratio Lower Upper
 59 100
 57 10.2 9.0 13.6

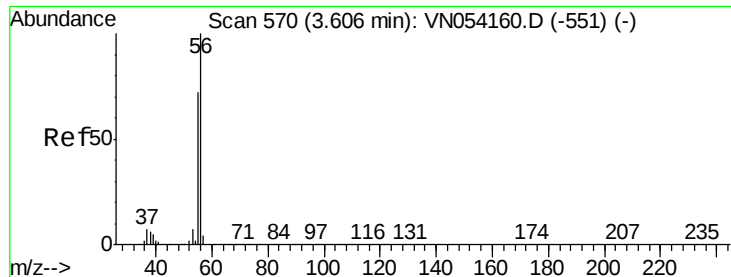


#12

1,1-Dichloroethene
 Concen: 17.080 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN054445.D
 Acq: 19 Mar 2019 17:28

Tgt Ion: 96 Resp: 246367
 Ion Ratio Lower Upper
 96 100
 61 142.8 116.5 174.7
 98 64.3 51.0 76.4





#13

Acrolein

Concen: 58.587 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

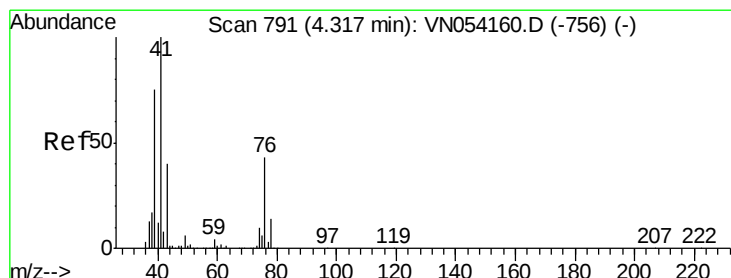
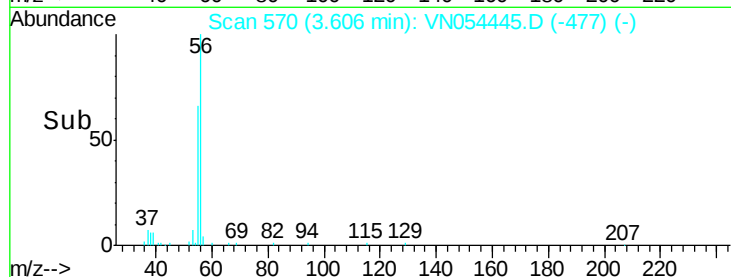
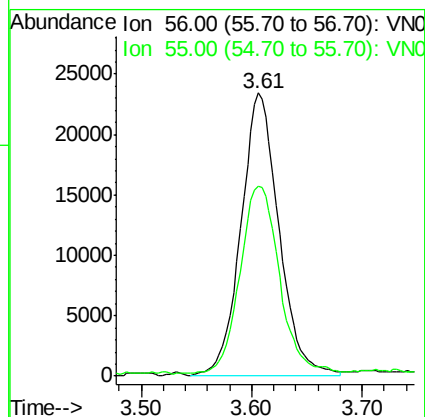
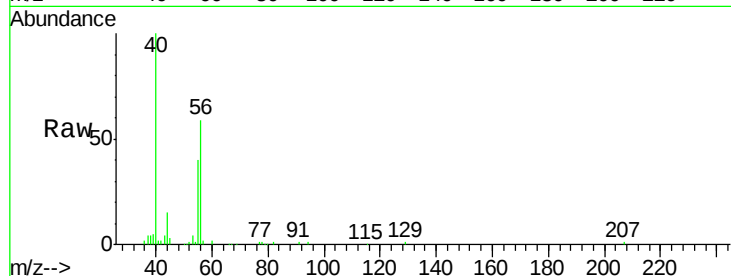
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 56119

Ion Ratio Lower Upper

56 100

55 68.9 56.7 85.1



#14

Allyl chloride

Concen: 17.979 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

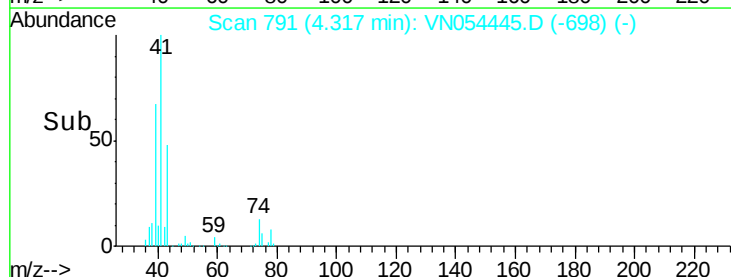
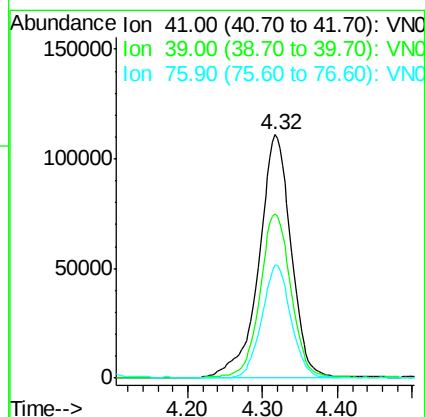
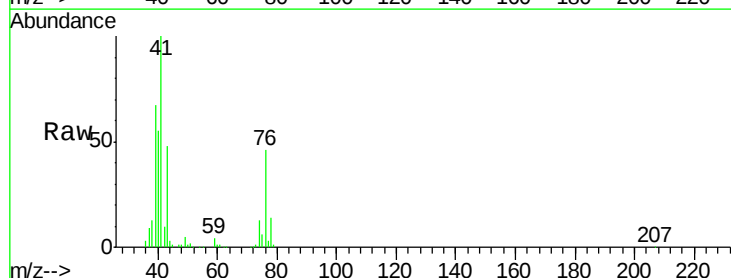
Tgt Ion: 41 Resp: 332740

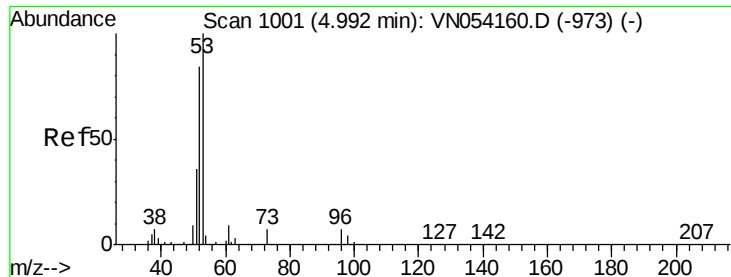
Ion Ratio Lower Upper

41 100

39 65.4 58.2 87.4

76 42.1 31.7 47.5





#15

Acrylonitrile

Concen: 105.795 ug/l

RT: 4.99 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA_N

ClientSampled :

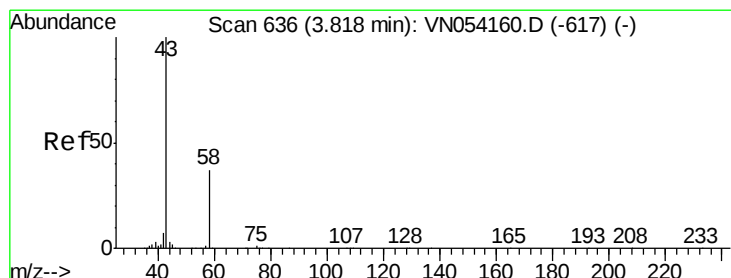
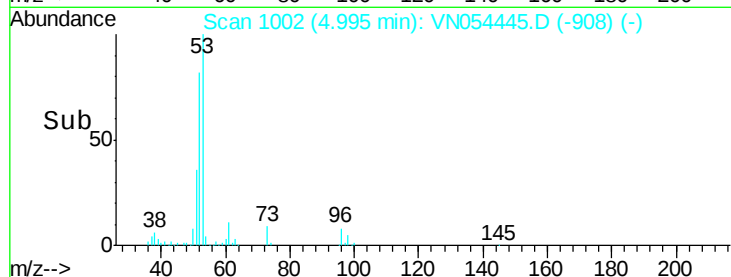
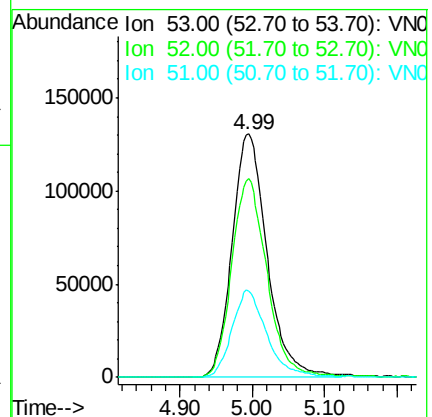
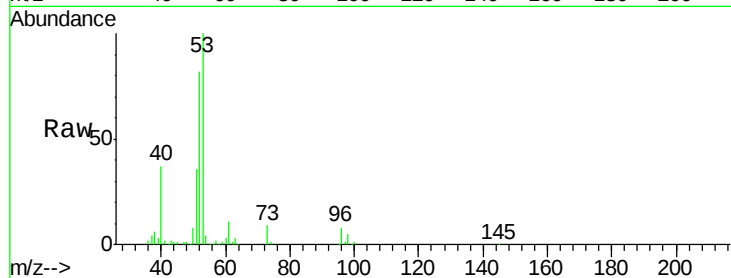
Tot Ion: 53 Resp: 439291

Ion Ratio Lower Upper

53 100

52 81.6 66.4 99.6

51 35.4 29.6 44.4



#16

Acetone

Concen: 58.963 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054445.D

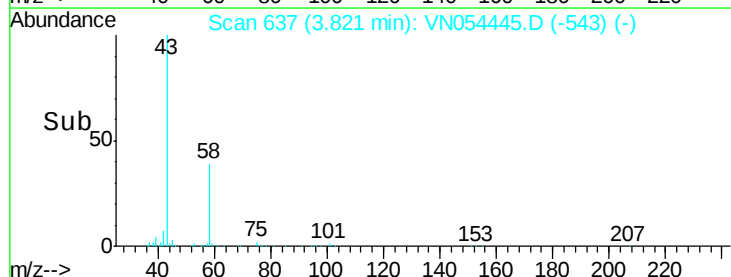
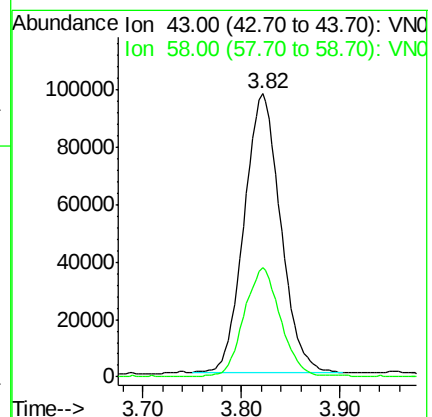
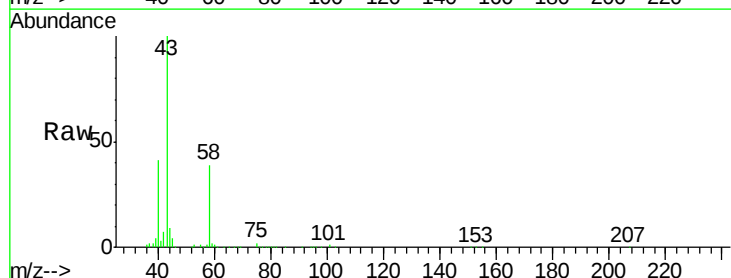
Acq: 19 Mar 2019 17:28

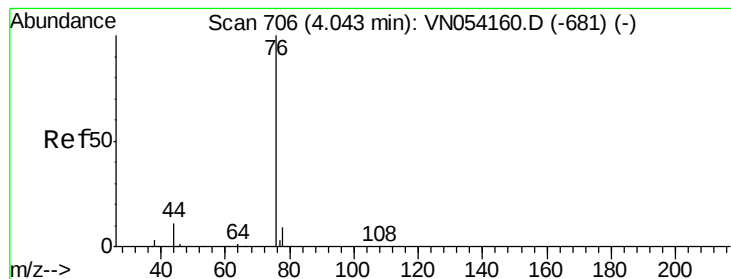
Tgt Ion: 43 Resp: 248937

Ion Ratio Lower Upper

43 100

58 39.0 29.9 44.9





#17

Carbon Disulfide

Concen: 14.450 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA_N

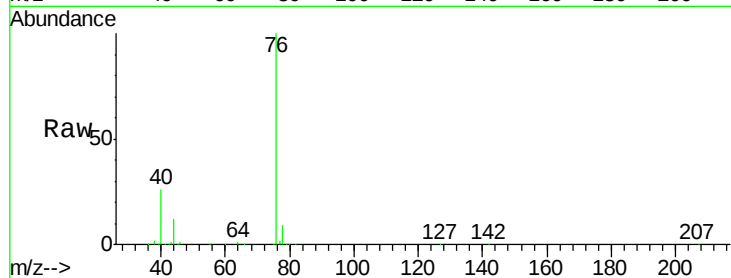
ClientSampled :

Tot Ion: 76 Resp: 522502

Ion Ratio Lower Upper

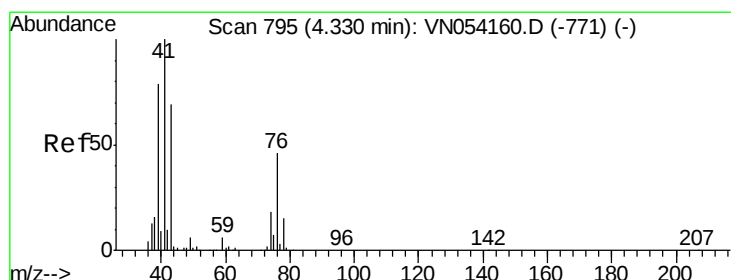
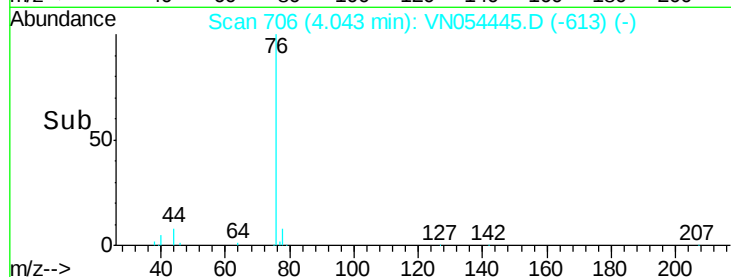
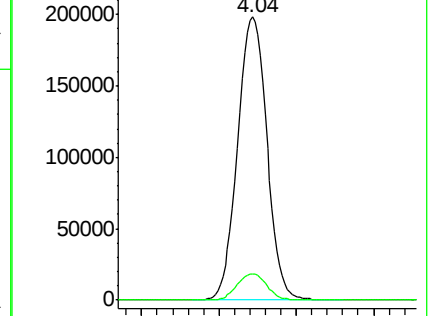
76 100

78 9.3 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 23.366 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054445.D

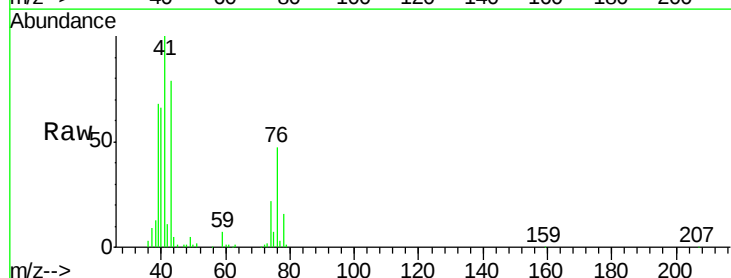
Acq: 19 Mar 2019 17:28

Tgt Ion: 43 Resp: 199588

Ion Ratio Lower Upper

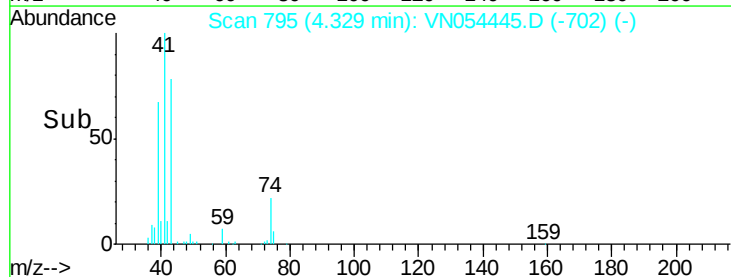
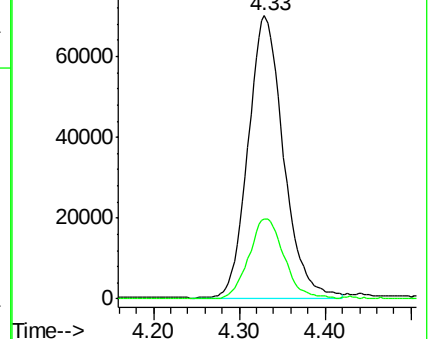
43 100

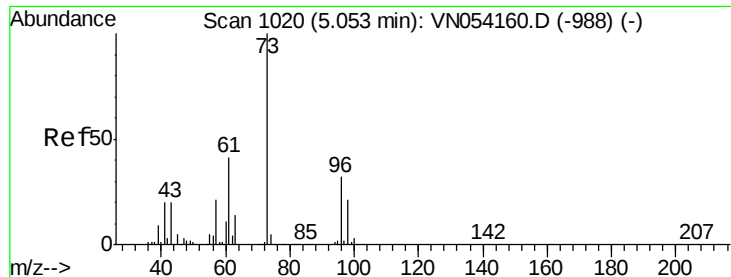
74 28.5 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



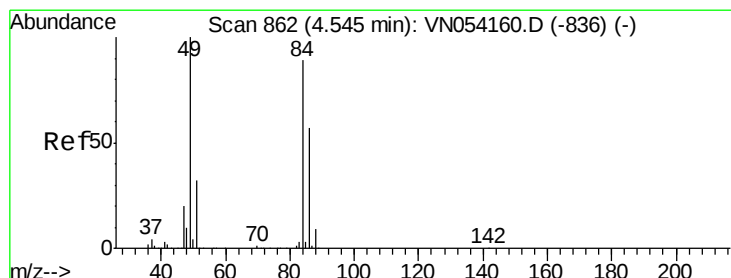
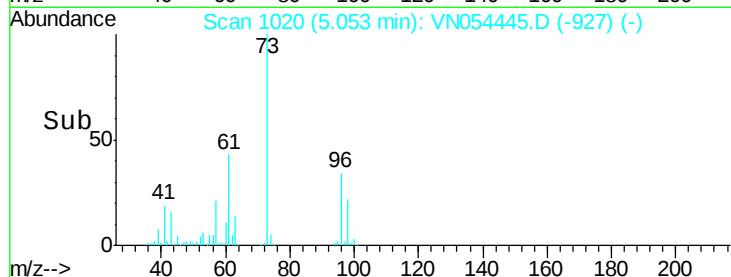
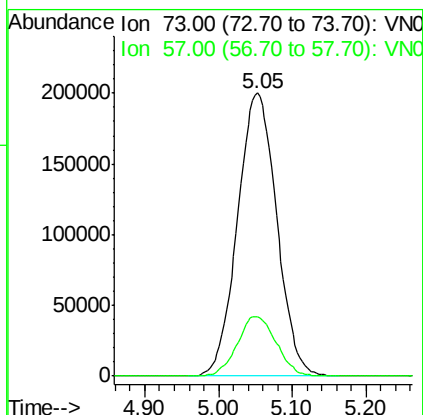
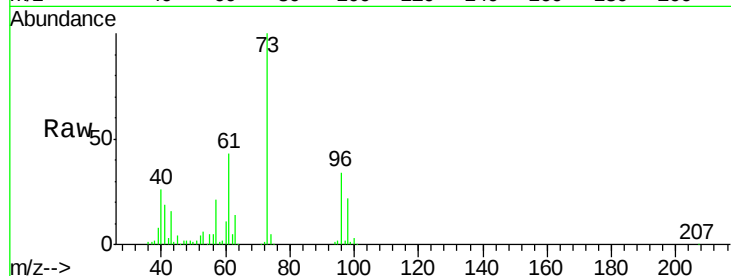


#19

Methyl tert-butyl Ether
 Concen: 20.730 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VN054445.D
 Acq: 19 Mar 2019 17:28

Instrument :
 MSVOA_N
 ClientSampleId :

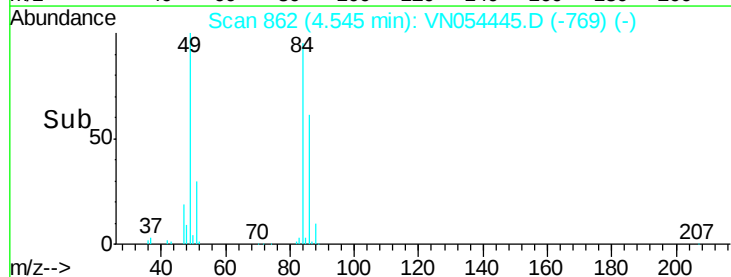
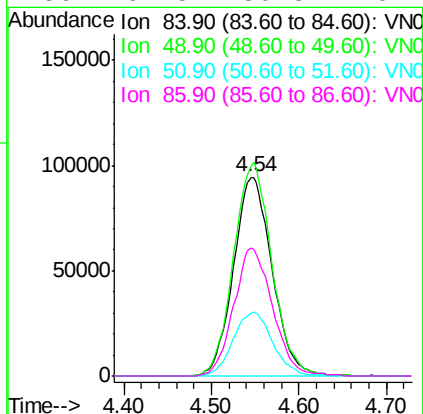
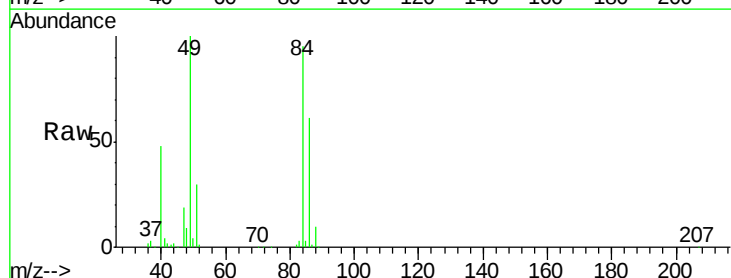
Tot Ion: 73 Resp: 741161
 Ion Ratio Lower Upper
 73 100
 57 20.8 16.8 25.2



#20

Methylene Chloride
 Concen: 20.833 ug/l
 RT: 4.54 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VN054445.D
 Acq: 19 Mar 2019 17:28

Tgt Ion: 84 Resp: 288810
 Ion Ratio Lower Upper
 84 100
 49 105.7 89.7 134.5
 51 31.7 28.2 42.4
 86 64.5 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 19.983 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA_N

ClientSampled :

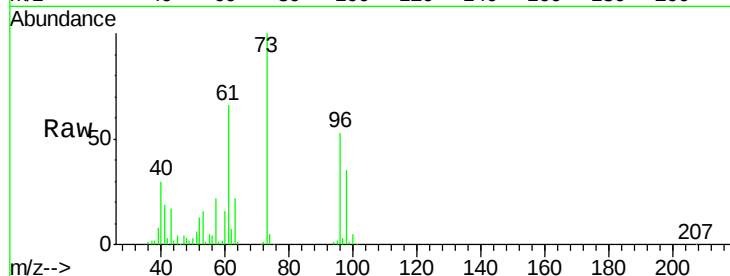
Tot Ion: 96 Resp: 276172

Ion Ratio Lower Upper

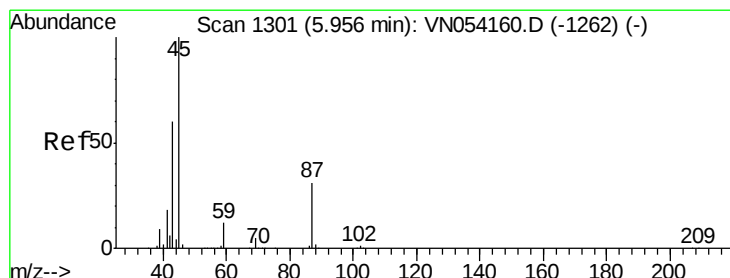
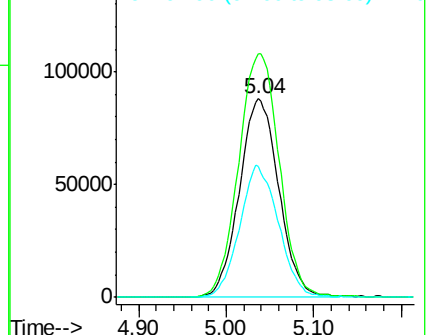
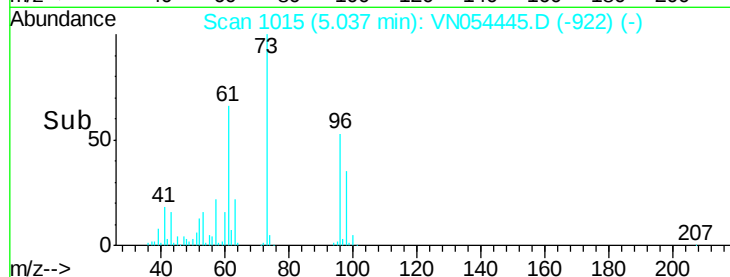
96 100

61 122.6 102.8 154.2

98 65.9 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VN054445.D (-922) (-)



#22

Diisopropyl ether

Concen: 20.871 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Tgt Ion: 45 Resp: 770905

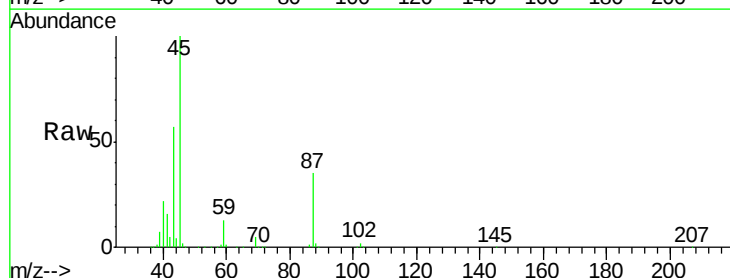
Ion Ratio Lower Upper

45 100

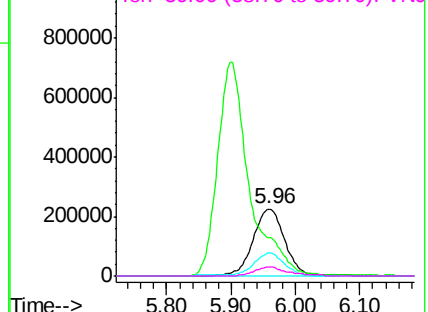
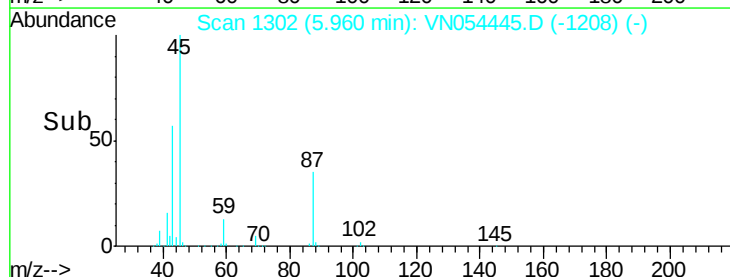
43 56.5 48.2 72.2

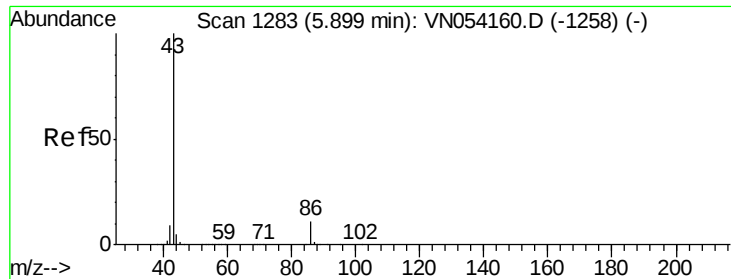
87 34.3 24.9 37.3

59 12.8 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VN054445.D (-1208) (-)





#23

Vinyl Acetate

Concen: 90.432 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

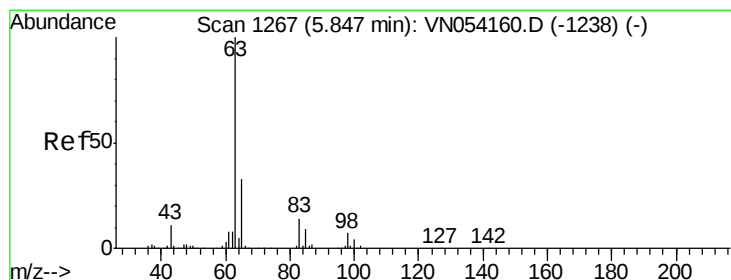
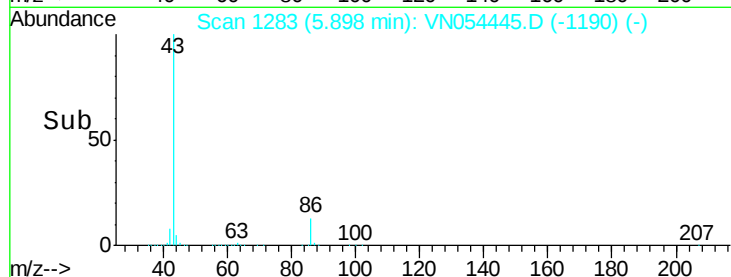
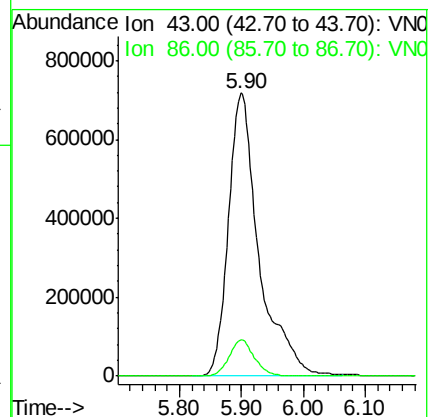
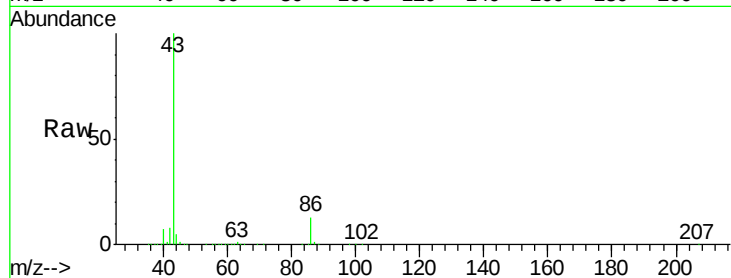
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 2462783

Ion Ratio Lower Upper

43 100

86 12.7 9.1 13.7



#24

1,1-Dichloroethane

Concen: 20.574 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

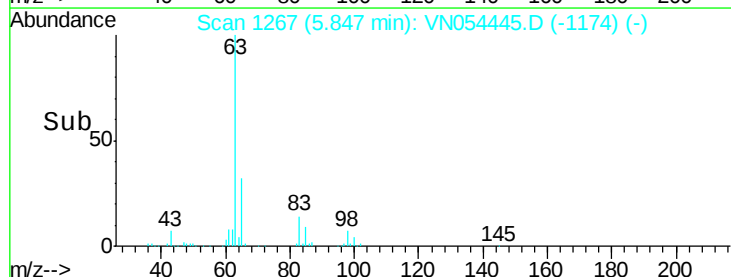
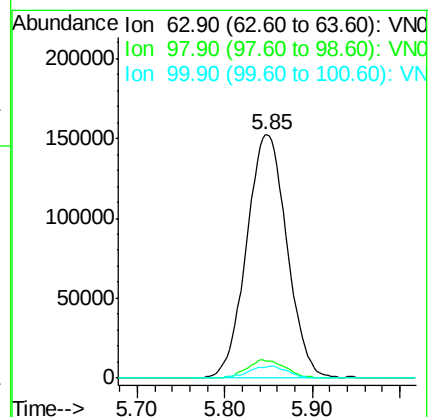
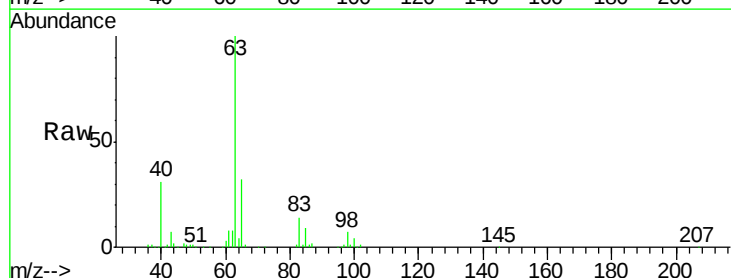
Tgt Ion: 63 Resp: 487946

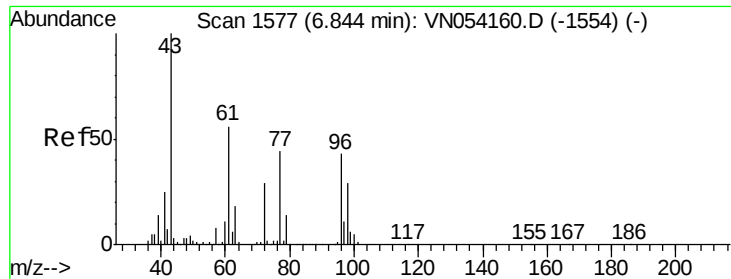
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

100 4.5 2.0 6.0





#25

2-Butanone

Concen: 92.262 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

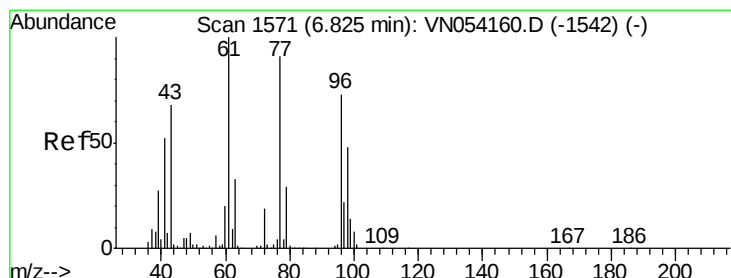
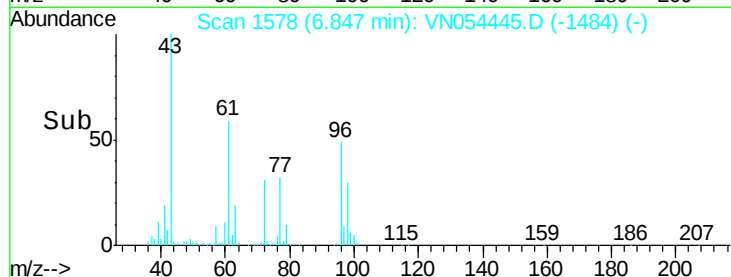
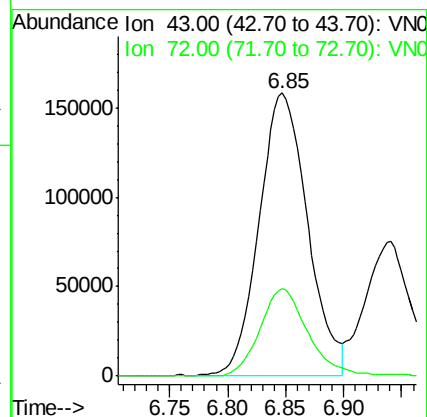
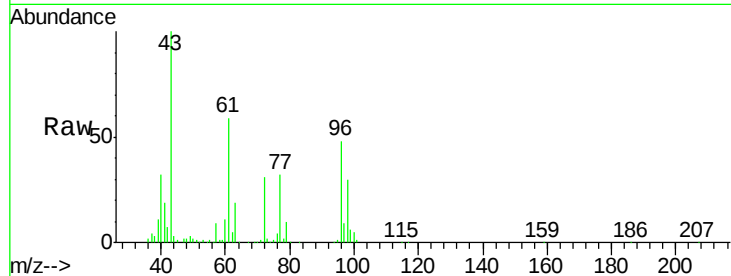
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 457180

Ion Ratio Lower Upper

43 100

72 30.9 23.0 34.6



#26

2,2-Dichloropropane

Concen: 13.634 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054445.D

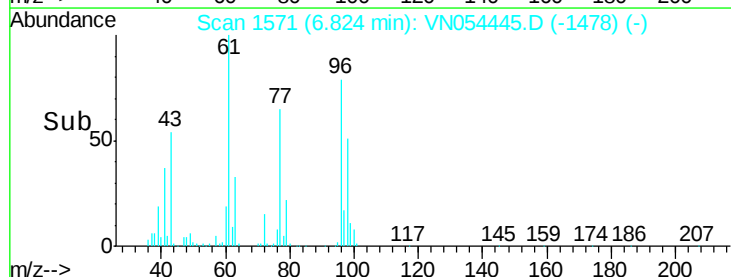
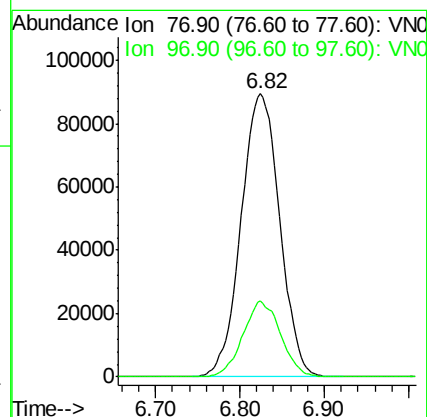
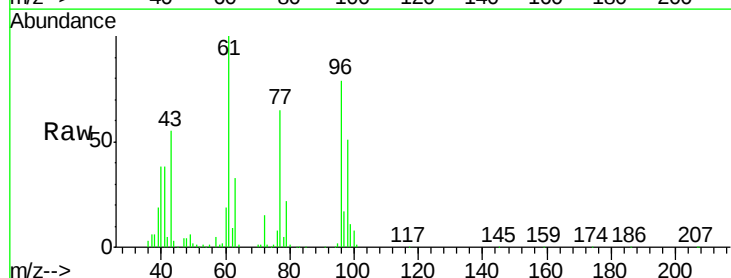
Acq: 19 Mar 2019 17:28

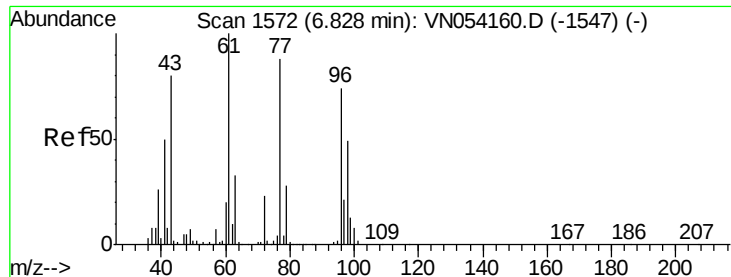
Tgt Ion: 77 Resp: 284346

Ion Ratio Lower Upper

77 100

97 26.3 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.283 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :
MSVOA_N
ClientSampleId :

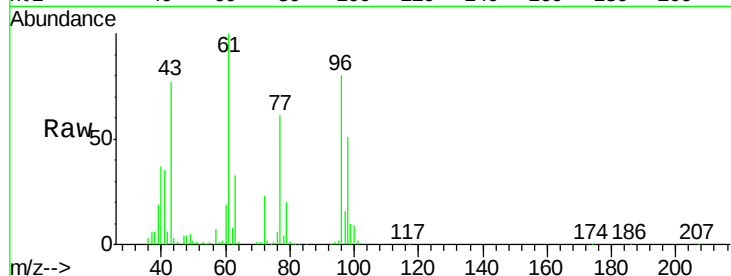
Tot Ion: 96 Resp: 328145

Ion Ratio Lower Upper

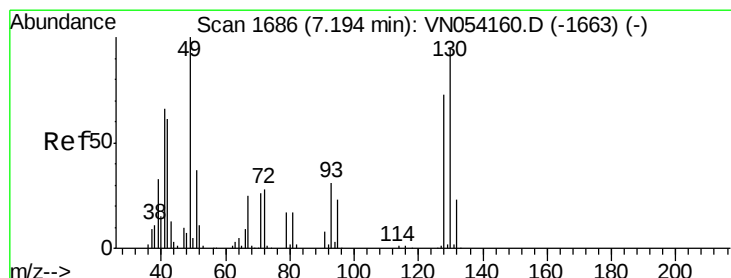
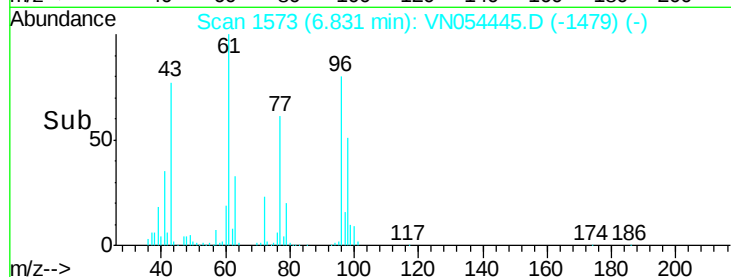
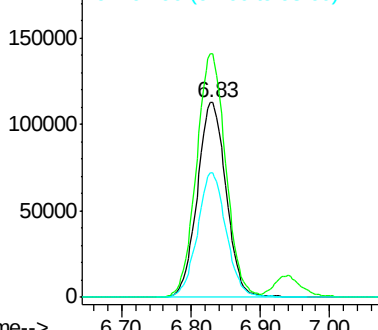
96 100

61 126.5 0.0 273.0

98 63.5 0.0 130.6



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: 19.354 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

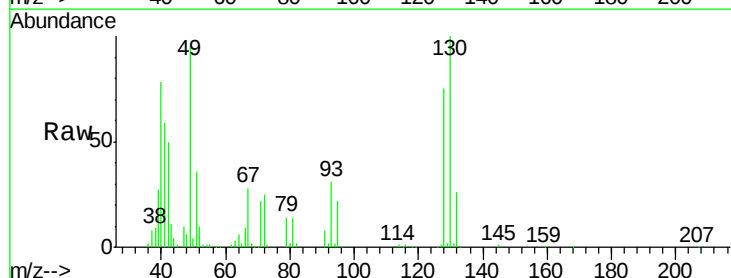
Tgt Ion: 49 Resp: 187644

Ion Ratio Lower Upper

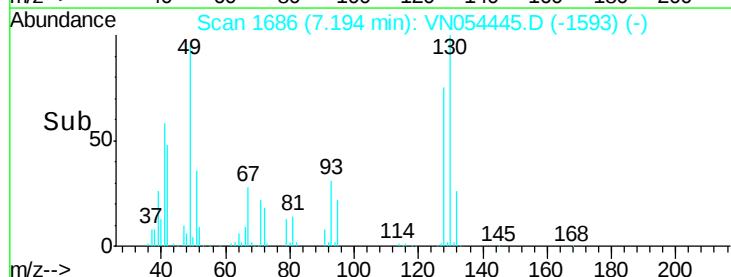
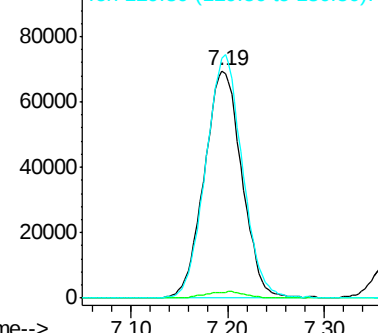
49 100

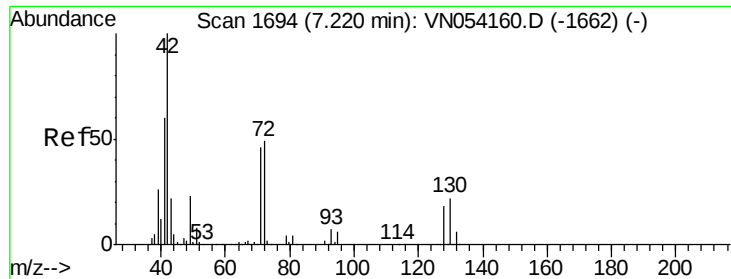
129 3.1 0.0 4.6

130 104.7 76.7 115.1



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

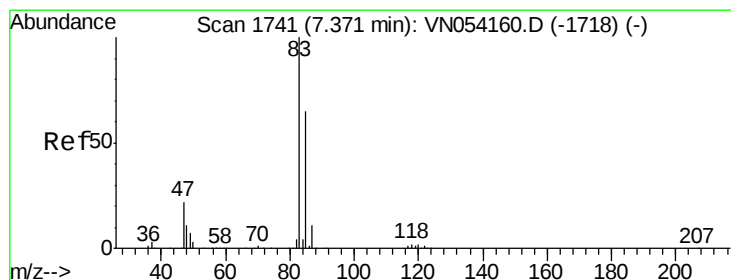
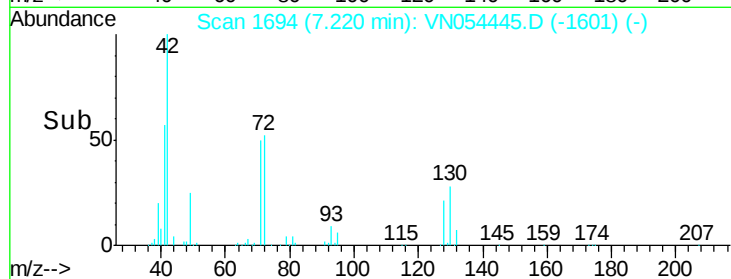
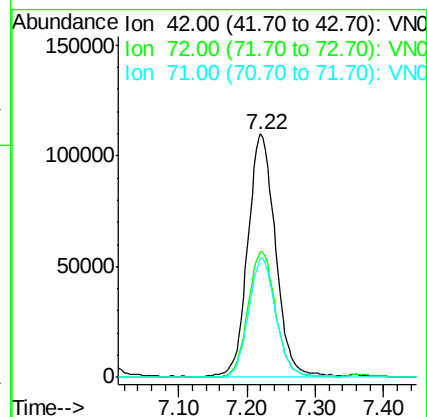
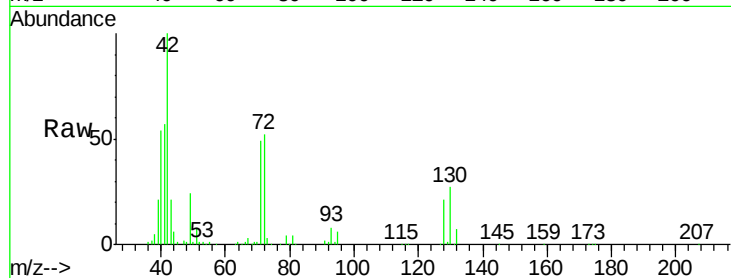




#29
Tetrahydrofuran
Concen: 96.913 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054445.D
Acq: 19 Mar 2019 17:28

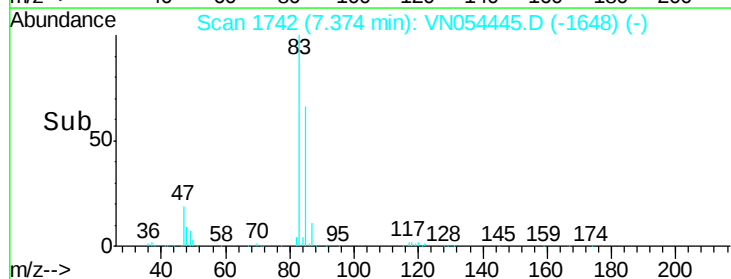
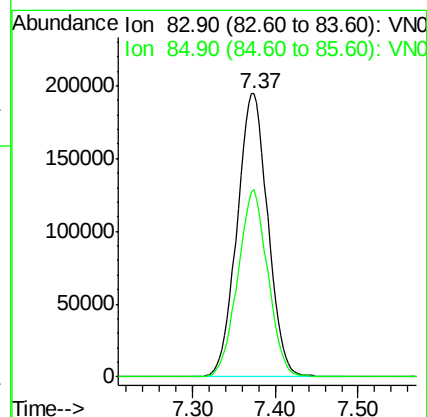
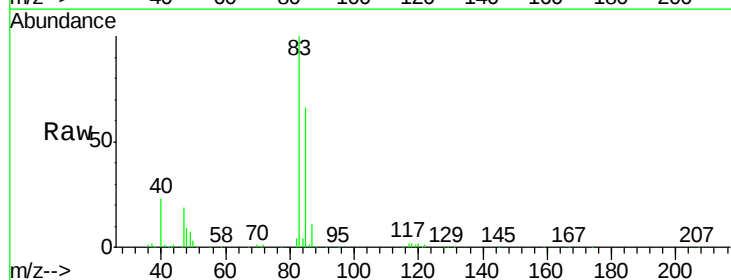
Instrument :
MSVOA_N
ClientSampleId :

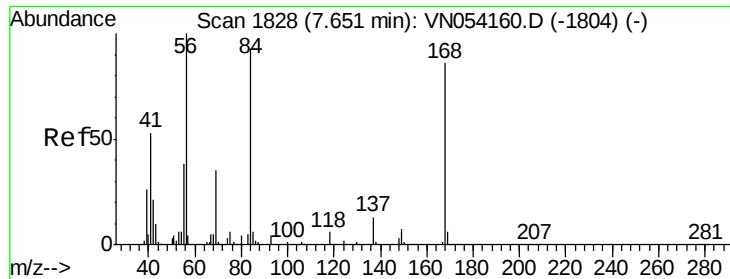
Tot Ion: 42 Resp: 308768
Ion Ratio Lower Upper
42 100
72 51.9 37.8 56.6
71 48.3 36.2 54.2



#30
Chloroform
Concen: 20.342 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054445.D
Acq: 19 Mar 2019 17:28

Tgt Ion: 83 Resp: 503411
Ion Ratio Lower Upper
83 100
85 66.1 52.2 78.4





#31

Cyclohexane

Concen: 18.882 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

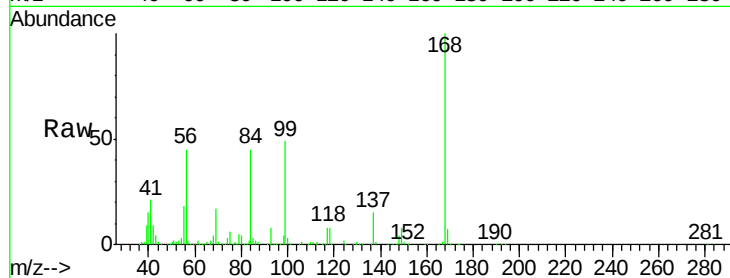
Tot Ion: 56 Resp: 435615

Ion Ratio Lower Upper

56 100

69 37.7 27.8 41.6

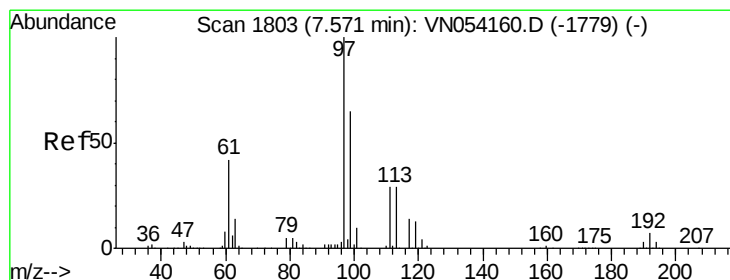
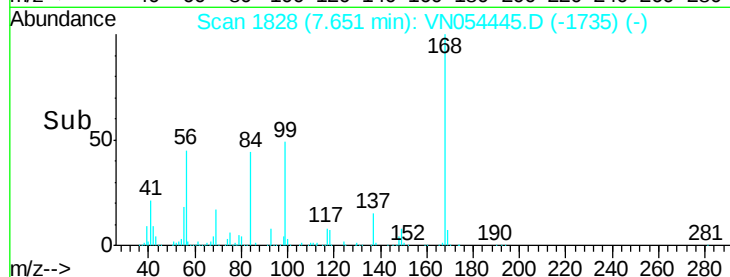
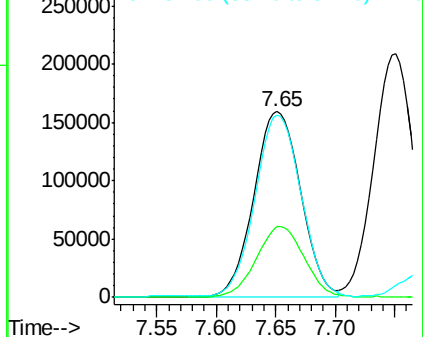
84 97.4 74.6 111.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.074 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

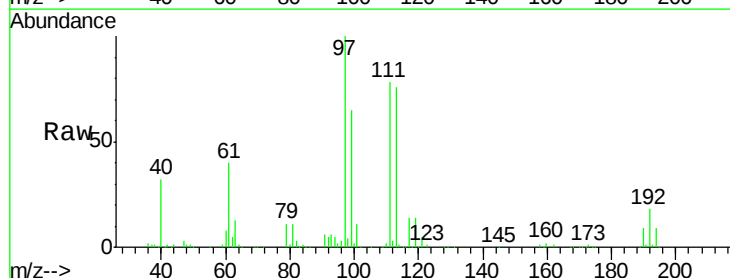
Tgt Ion: 97 Resp: 403961

Ion Ratio Lower Upper

97 100

99 64.3 51.5 77.3

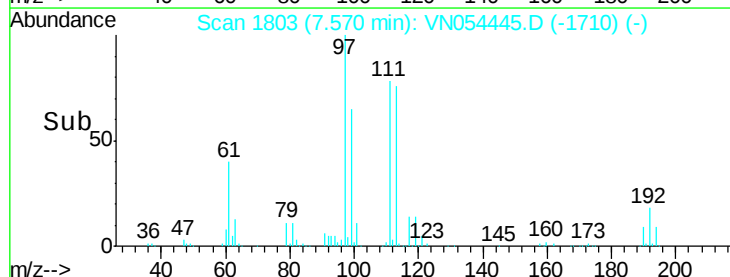
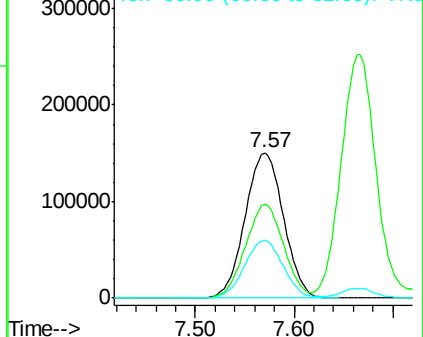
61 40.0 33.6 50.4

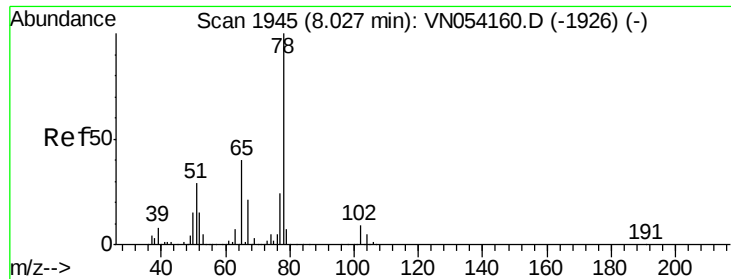


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 43.438 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

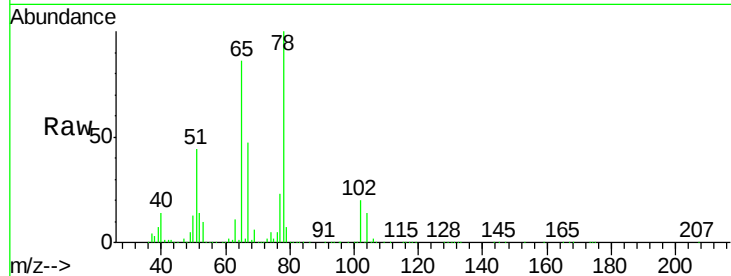
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 640504

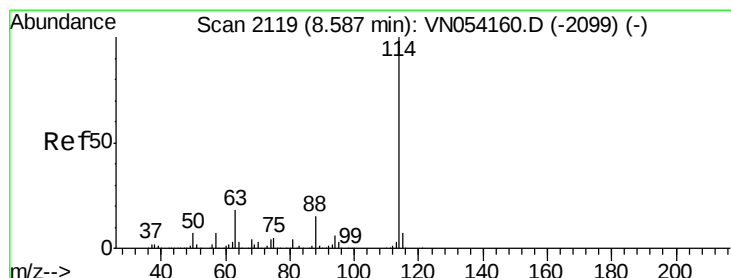
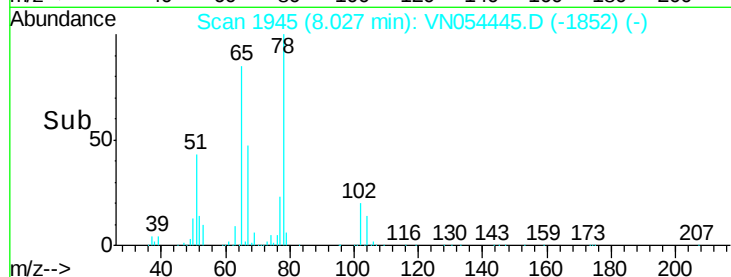
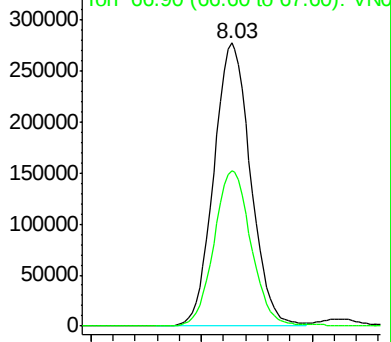
Ion Ratio Lower Upper

65 100

67 55.4 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054445.D (-1852) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

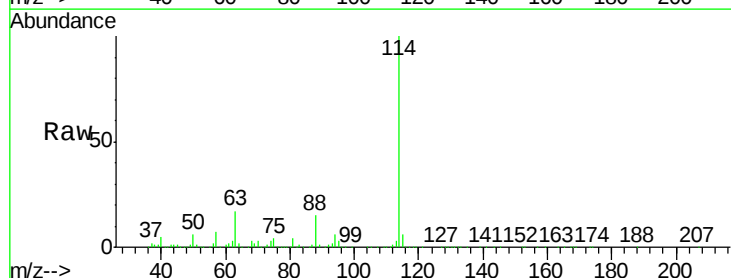
Tgt Ion: 114 Resp: 2112176

Ion Ratio Lower Upper

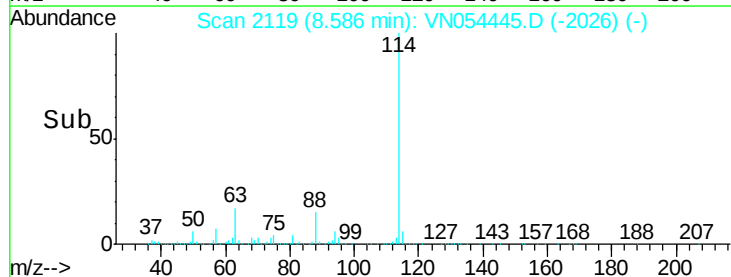
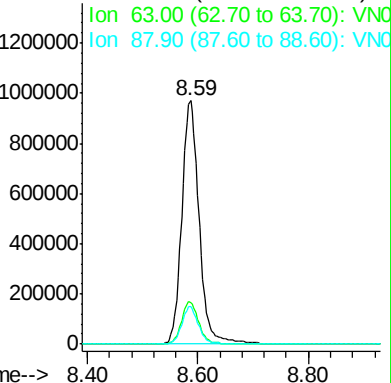
114 100

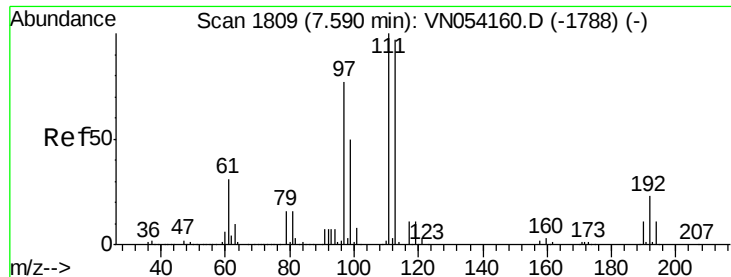
63 17.2 0.0 35.2

88 15.4 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054445.D (-2026) (-)

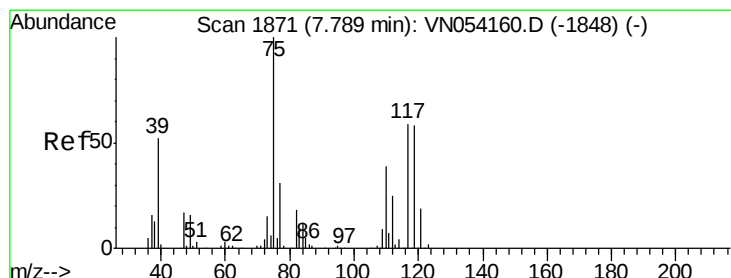
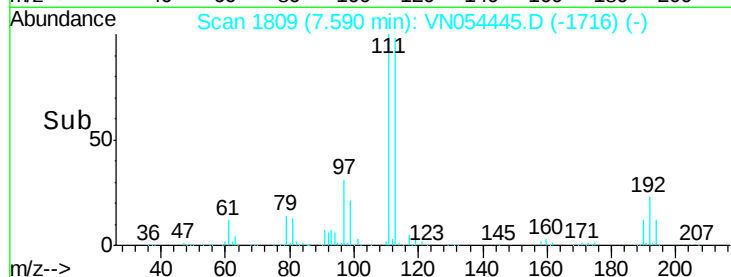
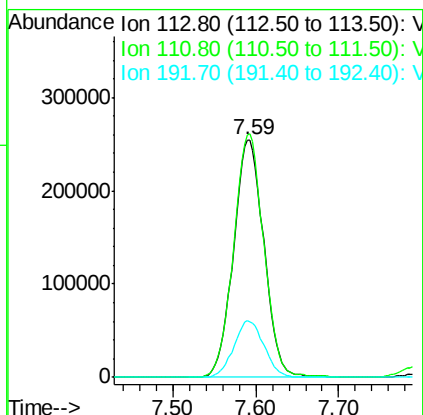
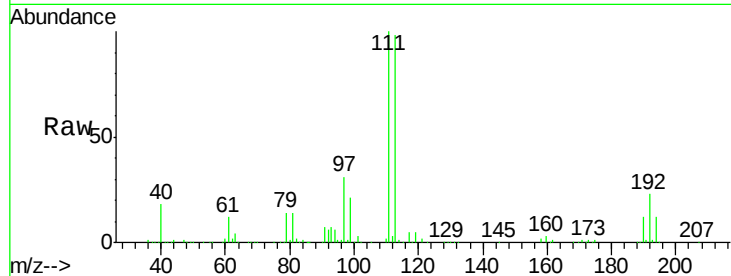




#35
 Dibromofluoromethane
 Concen: 47.664 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054445.D
 Acq: 19 Mar 2019 17:28

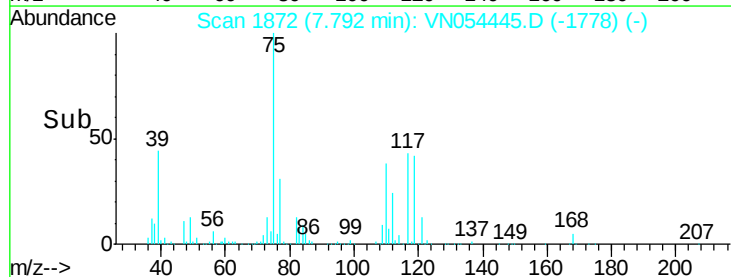
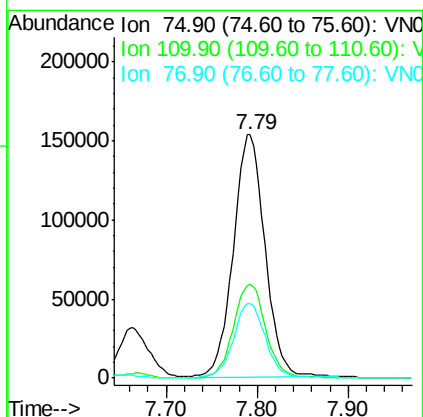
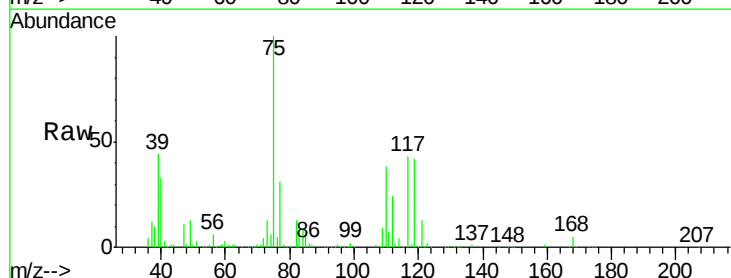
Instrument :
 MSVOA_N
 ClientSampleId :

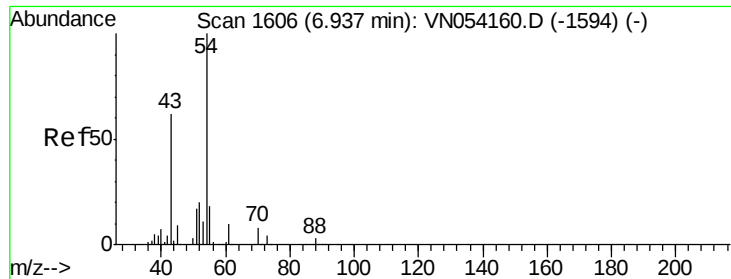
Tot Ion:113 Resp: 649308
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.2 123.4
 192 23.8 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 19.036 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054445.D
 Acq: 19 Mar 2019 17:28

Tgt Ion: 75 Resp: 370275
 Ion Ratio Lower Upper
 75 100
 110 39.8 19.1 57.5
 77 31.4 25.0 37.4

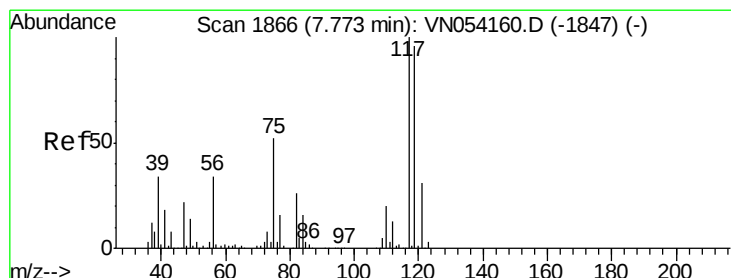
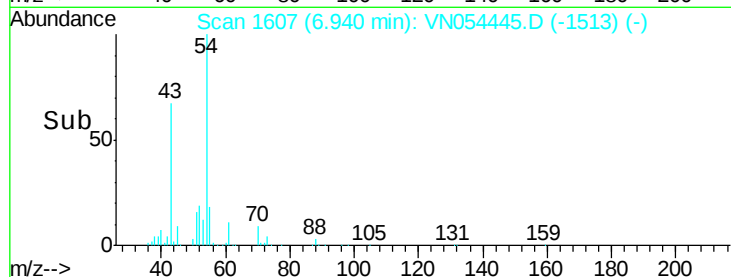
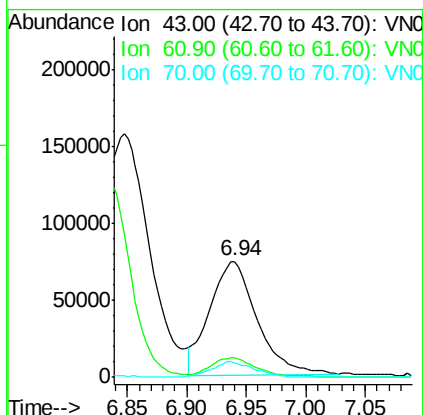
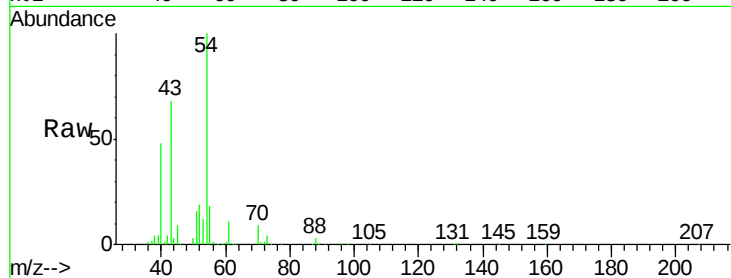




#37
Ethyl Acetate
Concen: 18.191 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054445.D
Acq: 19 Mar 2019 17:28

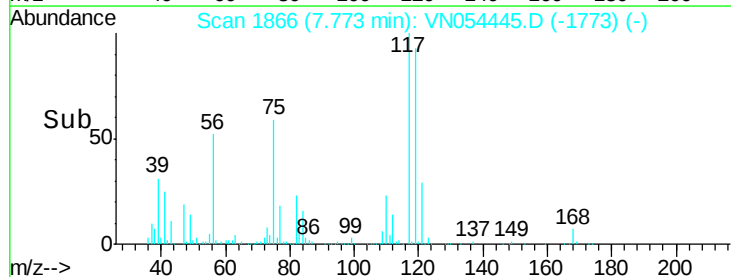
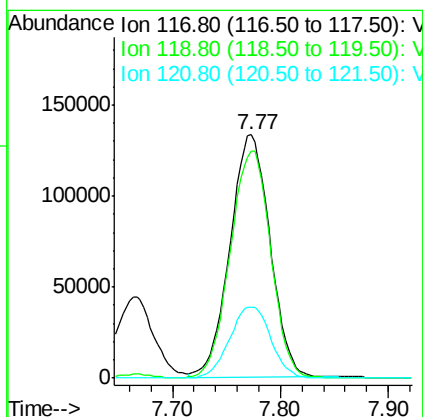
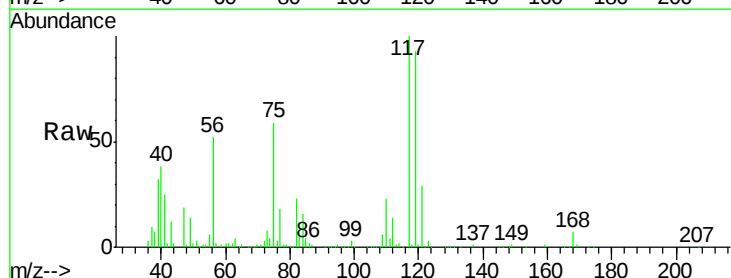
Instrument :
MSVOA_N
ClientSampled :

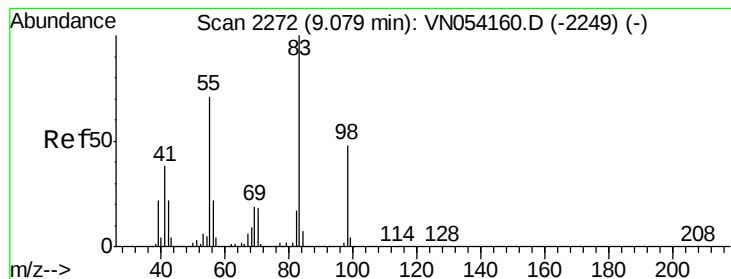
Tot Ion: 43 Resp: 203310
Ion Ratio Lower Upper
43 100
61 16.5 11.8 17.6
70 12.7 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 16.834 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054445.D
Acq: 19 Mar 2019 17:28

Tgt Ion: 117 Resp: 343386
Ion Ratio Lower Upper
117 100
119 93.5 76.3 114.5
121 29.4 24.6 36.8





#39

Methvlcvclohexane

Concen: 17.089 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :
MSVOA_N
ClientSampled :

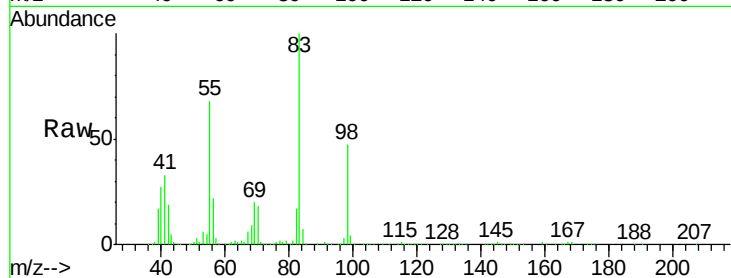
Tot Ion: 83 Resp: 408985

Ion Ratio Lower Upper

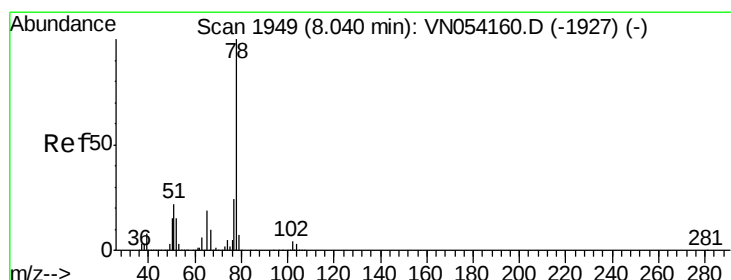
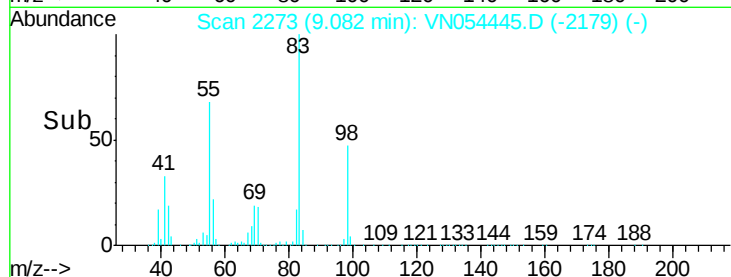
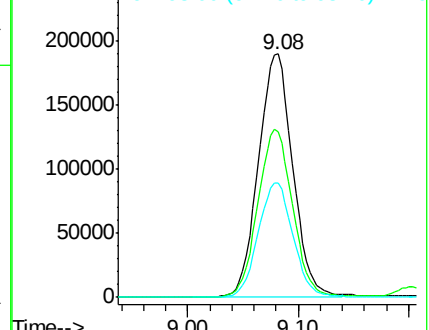
83 100

55 68.0 56.6 84.8

98 47.0 38.4 57.6



Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 21.028 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN054445.D

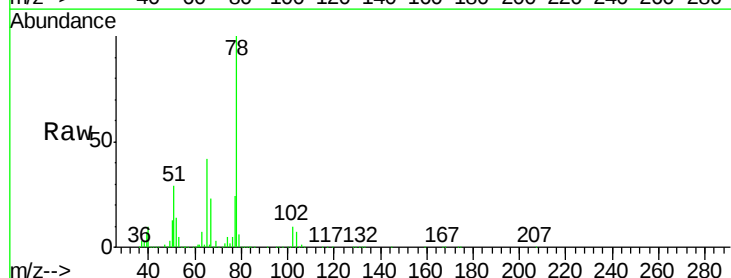
Acq: 19 Mar 2019 17:28

Tgt Ion: 78 Resp: 1170463

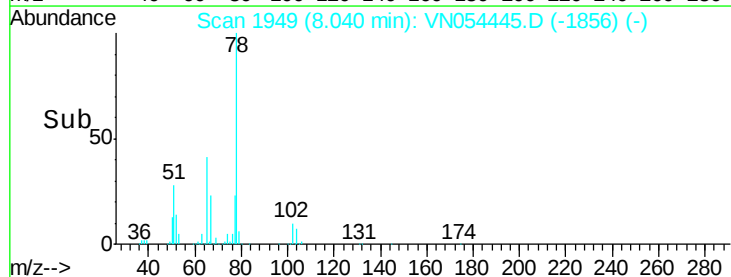
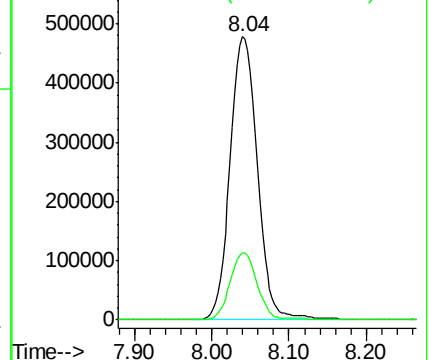
Ion Ratio Lower Upper

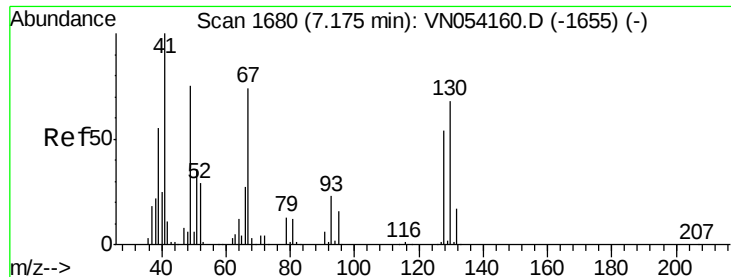
78 100

77 23.4 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

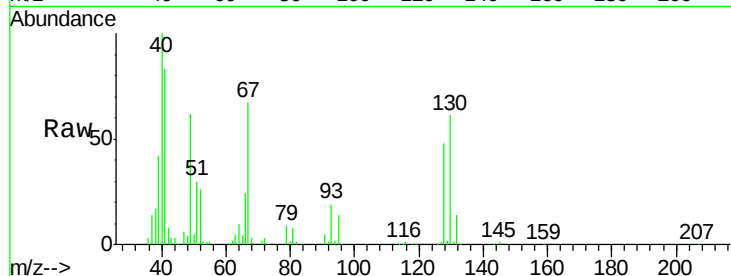




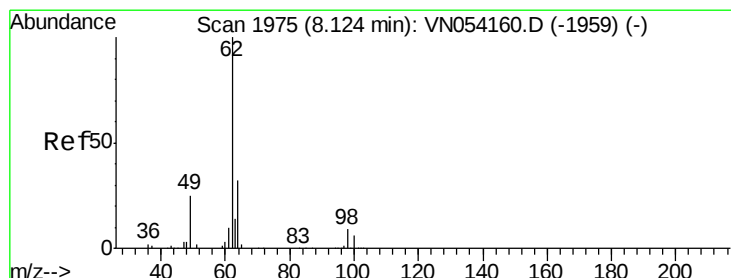
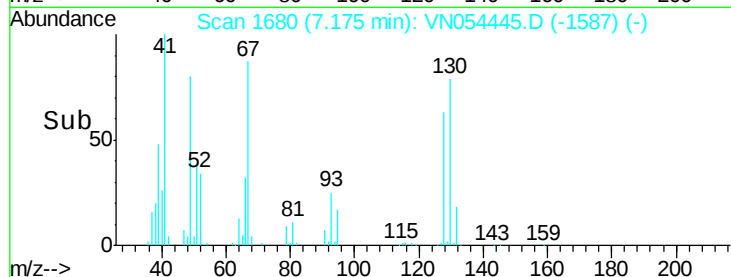
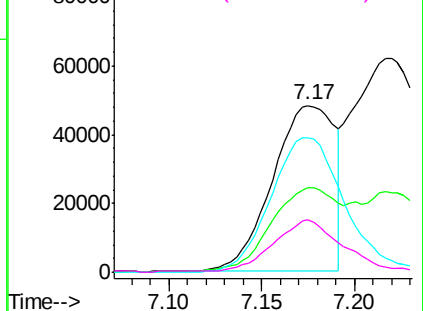
#41
Methacrylonitrile
Concen: 17.615 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054445.D
Acq: 19 Mar 2019 17:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 112407
Ion Ratio Lower Upper
41 100
39 53.3 46.8 70.2
67 97.2 67.0 100.4
52 34.9 26.5 39.7

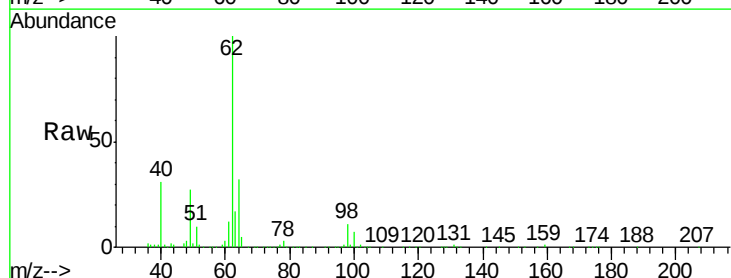


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

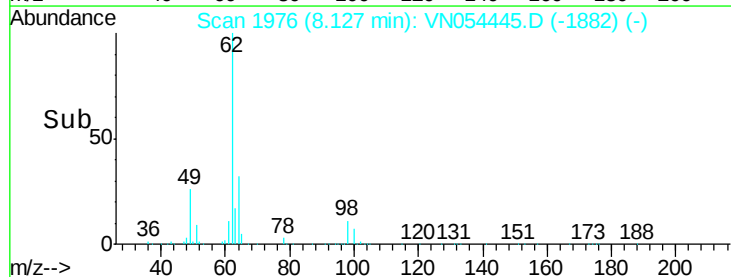
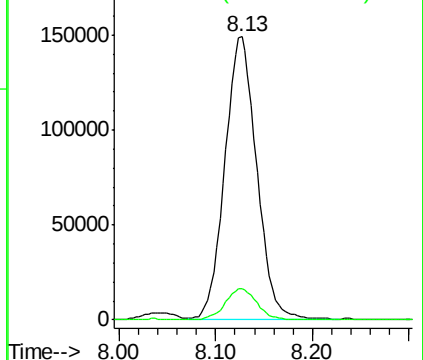


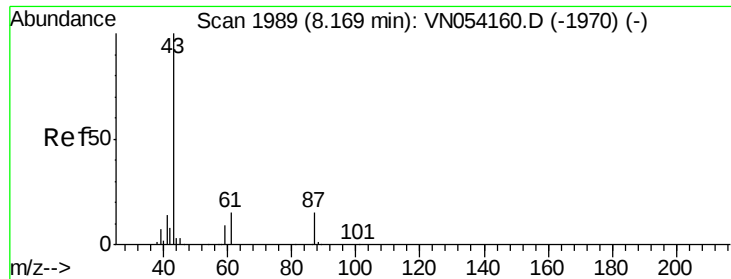
#42
1,2-Dichloroethane
Concen: 18.107 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054445.D
Acq: 19 Mar 2019 17:28

Tgt Ion: 62 Resp: 340264
Ion Ratio Lower Upper
62 100
98 10.9 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

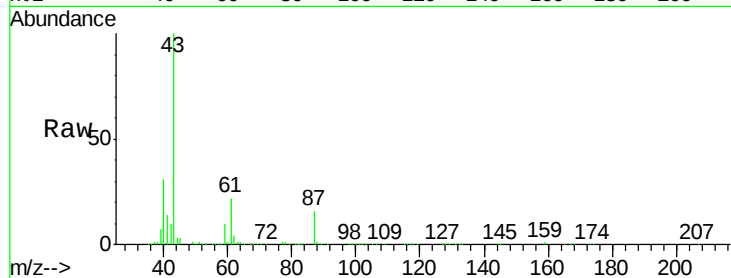




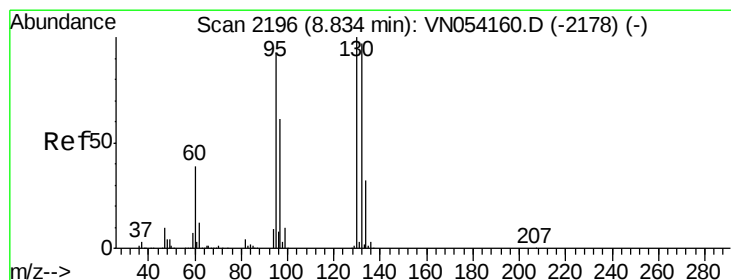
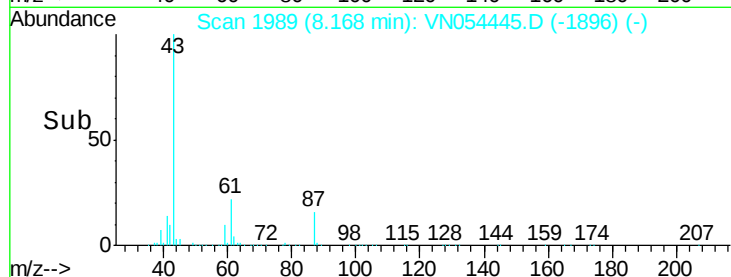
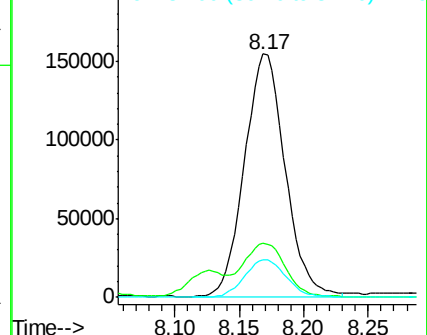
#43
Isopropyl Acetate
Concen: 17.247 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. -0.00 min
Lab File: VN054445.D
Acq: 19 Mar 2019 17:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 338341
Ion Ratio Lower Upper
43 100
61 22.5 15.8 23.8
87 16.2 12.0 18.0

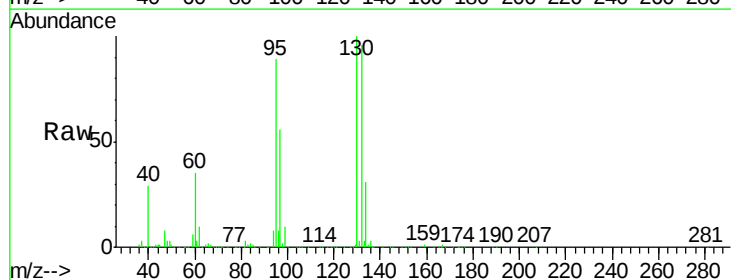


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

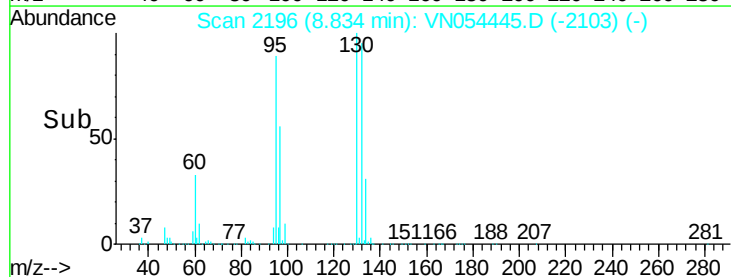
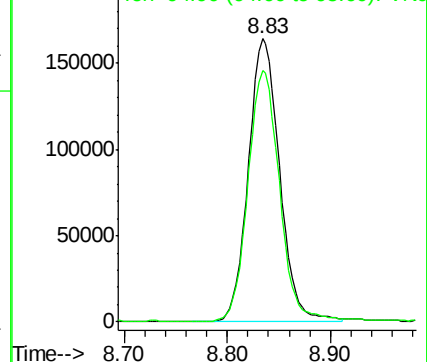


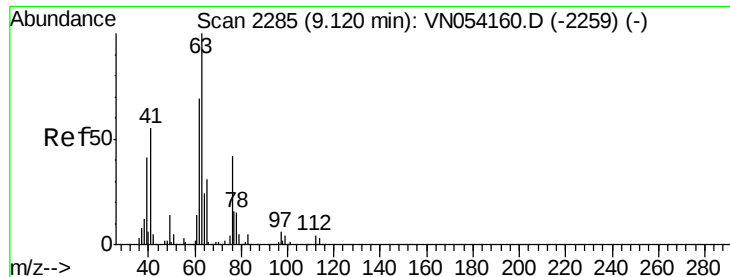
#44
Trichloroethene
Concen: 20.055 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN054445.D
Acq: 19 Mar 2019 17:28

Tgt Ion:130 Resp: 346779
Ion Ratio Lower Upper
130 100
95 88.7 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 21.160 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA_N

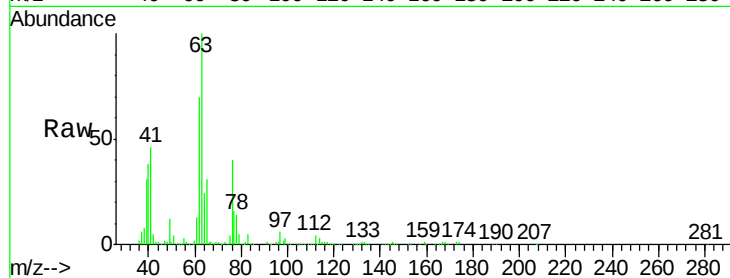
ClientSampleId :

Tot Ion: 63 Resp: 292459

Ion Ratio Lower Upper

63 100

65 30.6 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

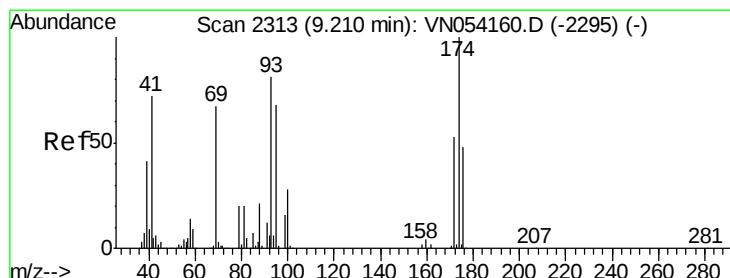
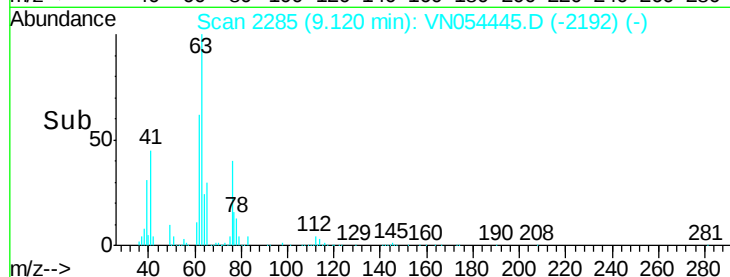
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 18.955 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

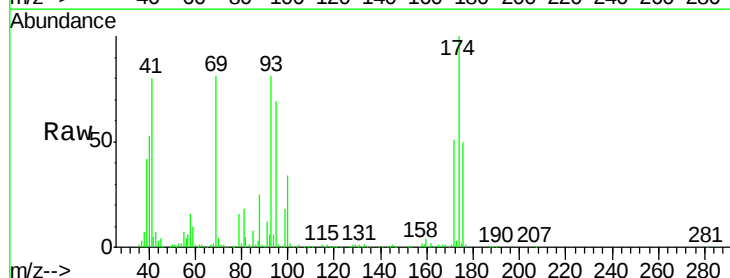
Tgt Ion: 93 Resp: 177015

Ion Ratio Lower Upper

93 100

95 85.8 66.7 100.1

174 126.1 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

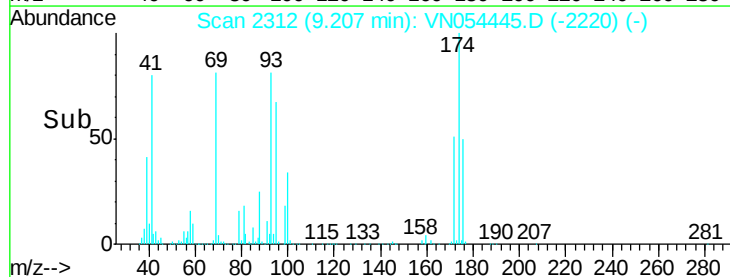
150000

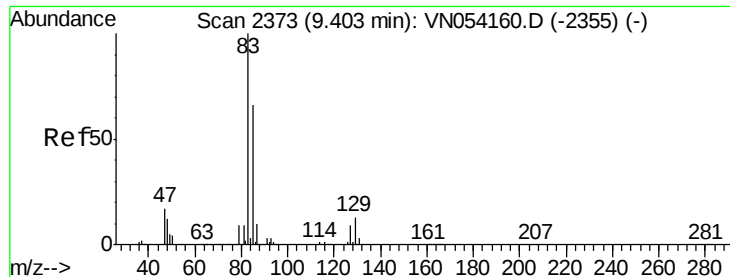
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 18.016 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

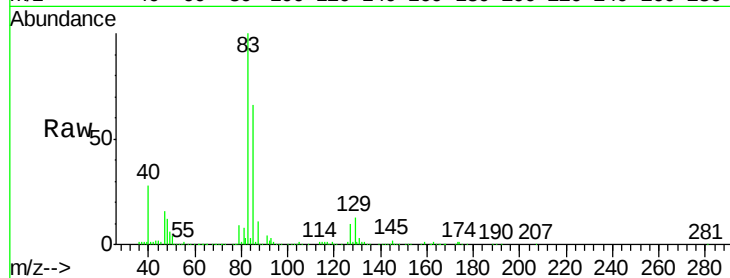
Tot Ion: 83 Resp: 337279

Ion Ratio Lower Upper

83 100

85 65.8 52.8 79.2

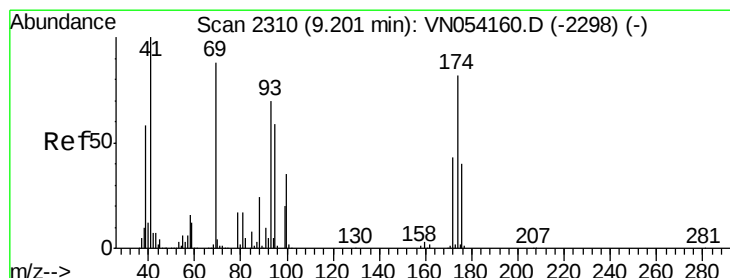
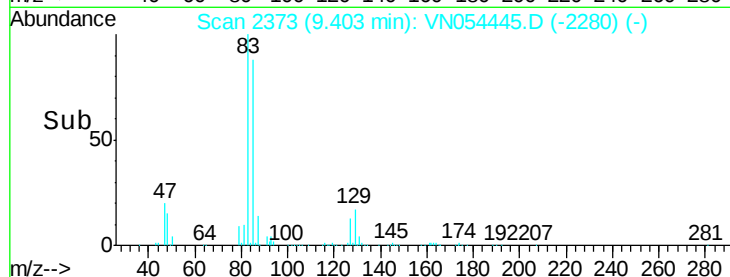
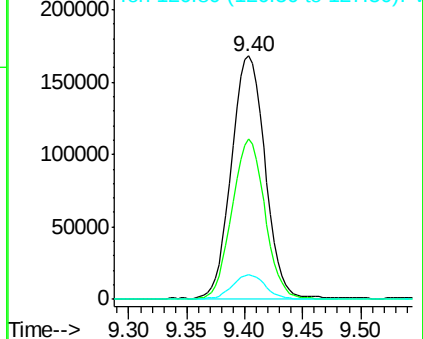
127 9.8 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054445.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054445.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054445.D (-2280) (-)



#48

Methyl methacrylate

Concen: 18.517 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

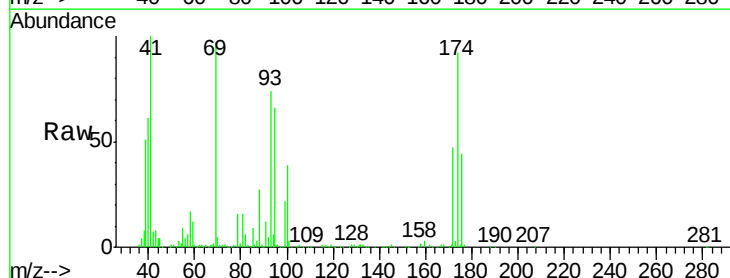
Tgt Ion: 41 Resp: 184355

Ion Ratio Lower Upper

41 100

69 101.5 72.6 108.8

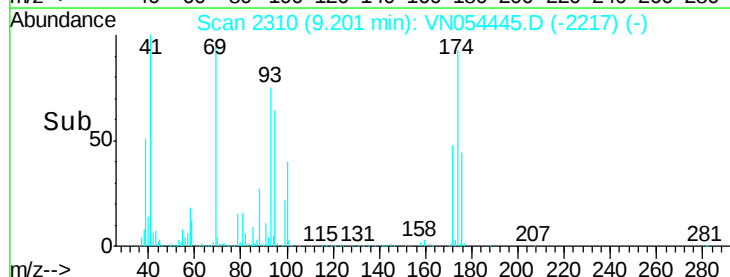
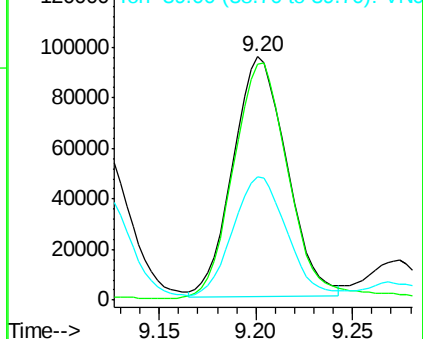
39 51.7 47.5 71.3

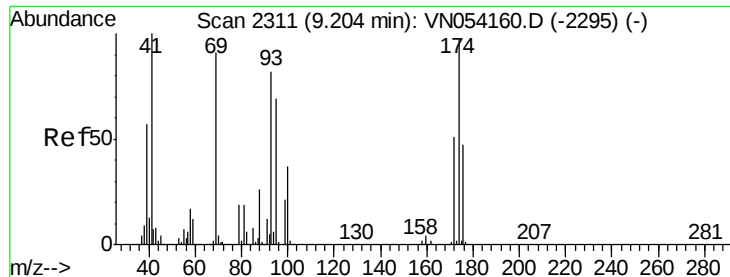


Abundance Ion 41.00 (40.70 to 41.70): VN054445.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054445.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054445.D (-2217) (-)





#49

1,4-Dioxane

Concen: 399.226 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :
MSVOA_N
ClientSampleId :

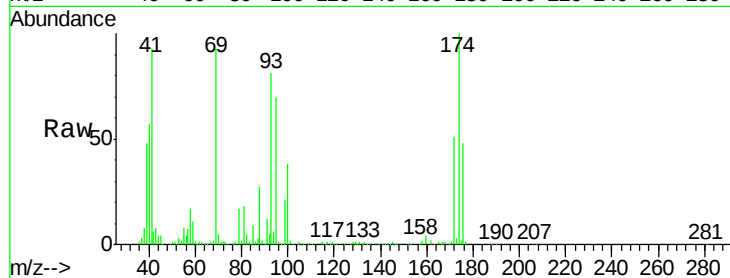
Tot Ion: 88 Resp: 56220

Ion Ratio Lower Upper

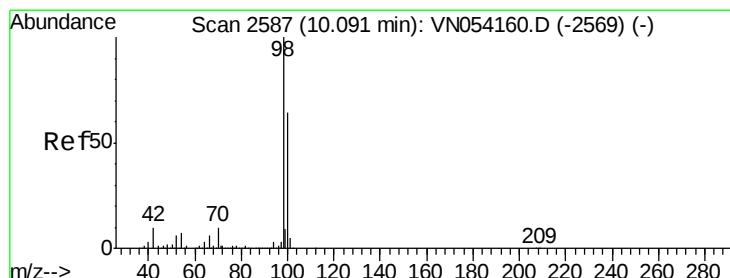
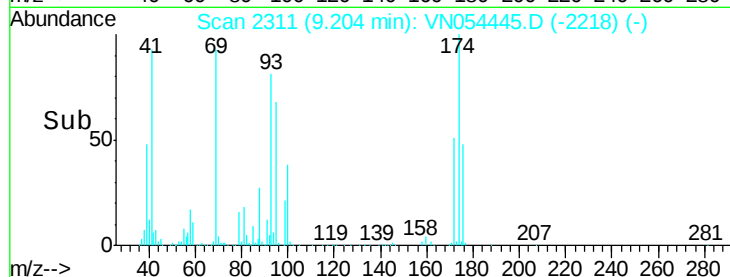
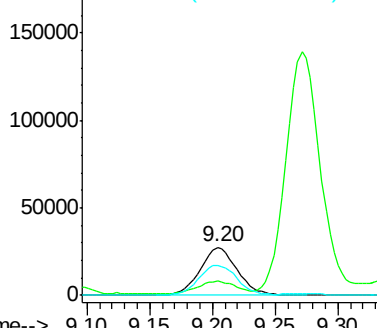
88 100

43 26.8 24.1 36.1

58 65.3 50.8 76.2



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: 47.534 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054445.D

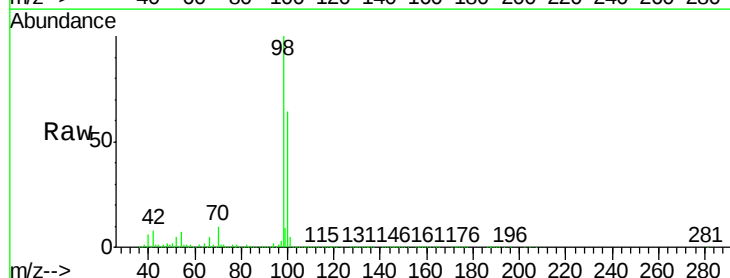
Acq: 19 Mar 2019 17:28

Tgt Ion: 98 Resp: 2391475

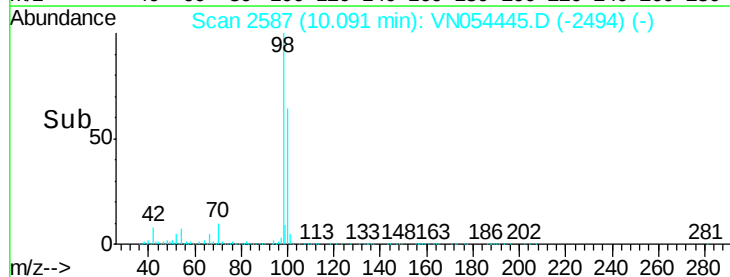
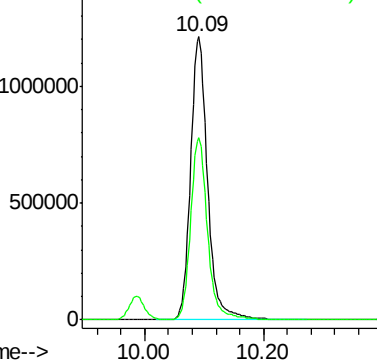
Ion Ratio Lower Upper

98 100

100 63.9 51.2 76.8



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: 96.690 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA_N

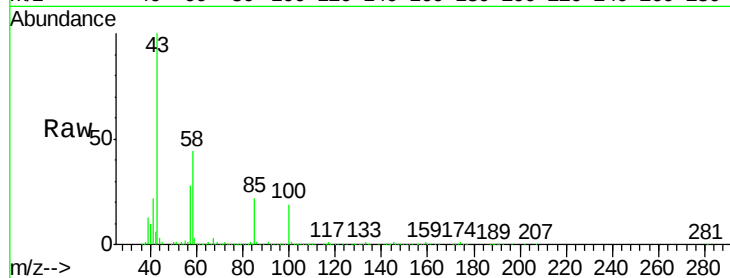
ClientSampled :

Tot Ion: 43 Resp: 1003822

Ion Ratio Lower Upper

43 100

58 44.5 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

600000

500000

400000

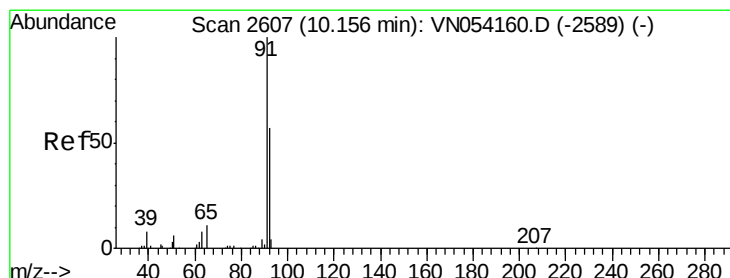
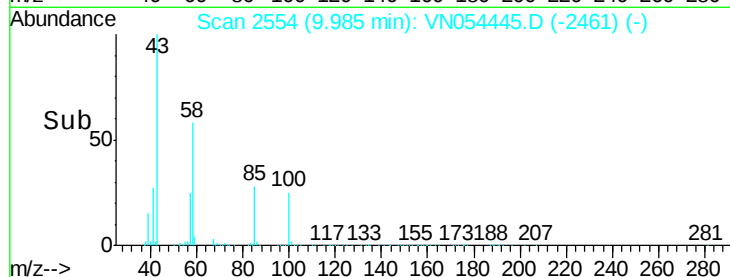
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.473 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054445.D

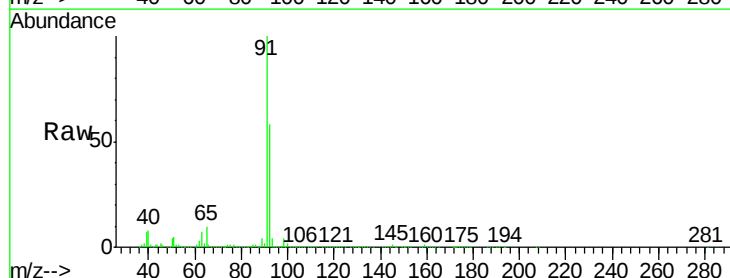
Acq: 19 Mar 2019 17:28

Tgt Ion: 92 Resp: 722565

Ion Ratio Lower Upper

92 100

91 174.6 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

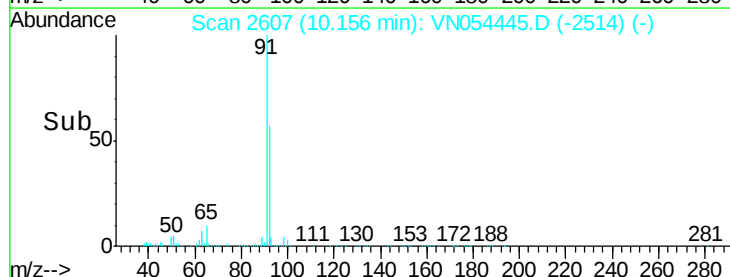
600000

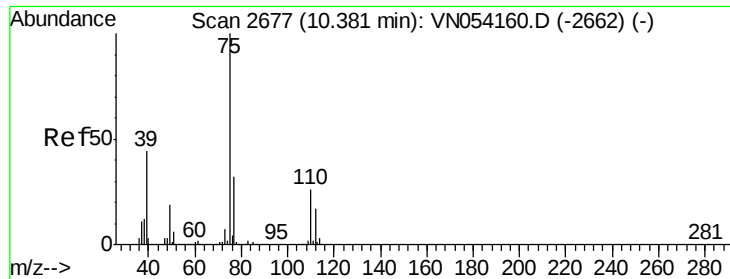
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 15.456 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA_N

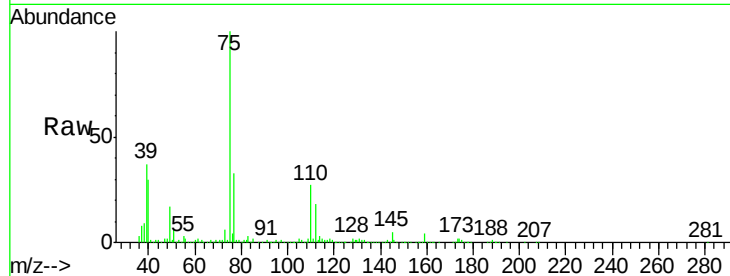
ClientSampleId :

Tot Ion: 75 Resp: 300361

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

150000

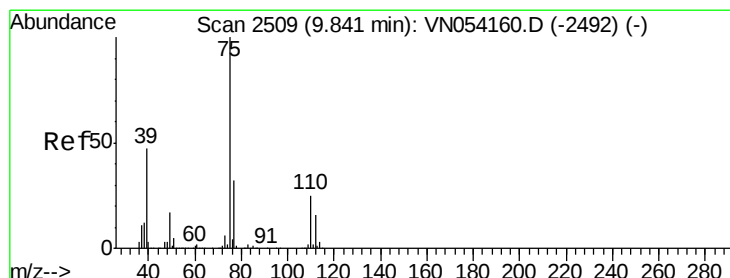
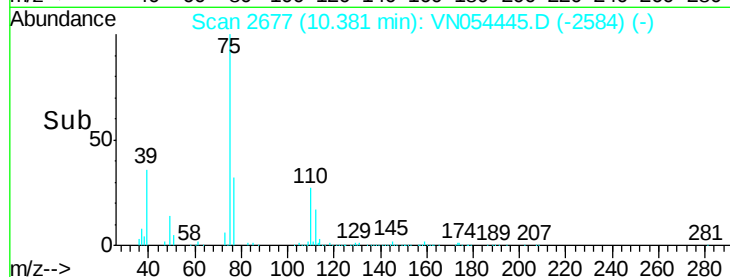
100000

50000

0

Time-->

10.30 10.40



#54

cis-1,3-Dichloropropene

Concen: 17.811 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

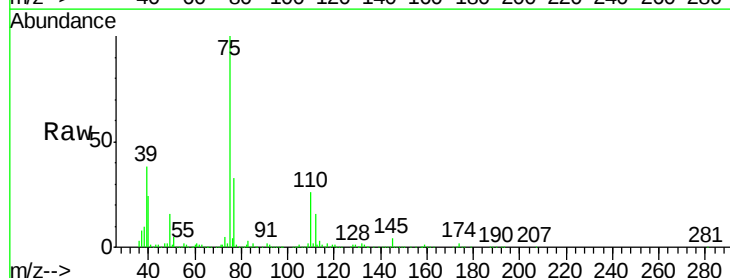
Tgt Ion: 75 Resp: 388564

Ion Ratio Lower Upper

75 100

77 32.8 25.4 38.0

39 37.9 37.2 55.8



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

9.84

250000

200000

150000

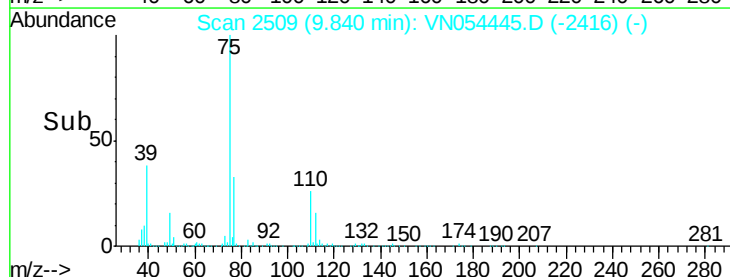
100000

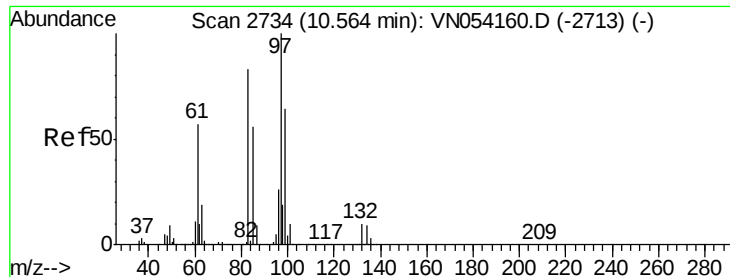
50000

0

Time-->

9.70 9.80 9.90

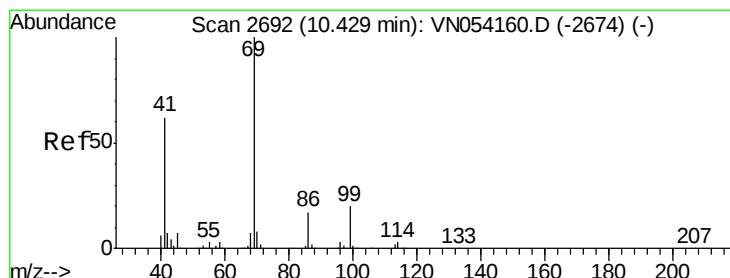
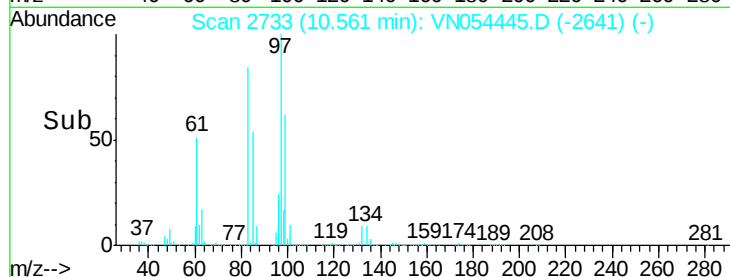
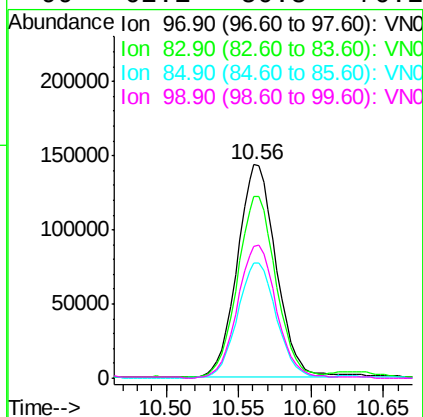
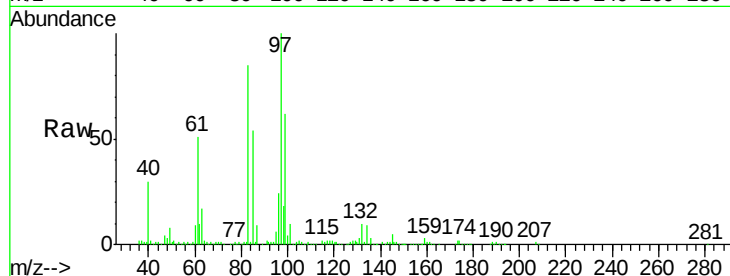




#55
 1,1,2-Trichloroethane
 Concen: 20.596 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054445.D
 Acq: 19 Mar 2019 17:28

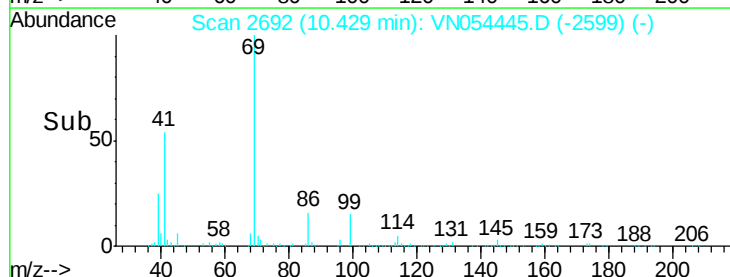
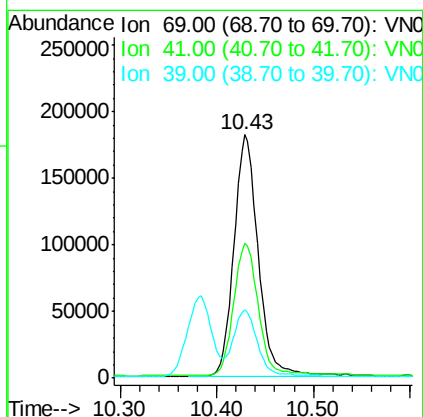
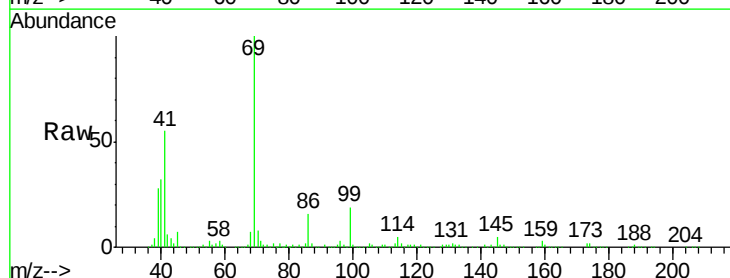
Instrument :
 MSVOA_N
 ClientSampled :

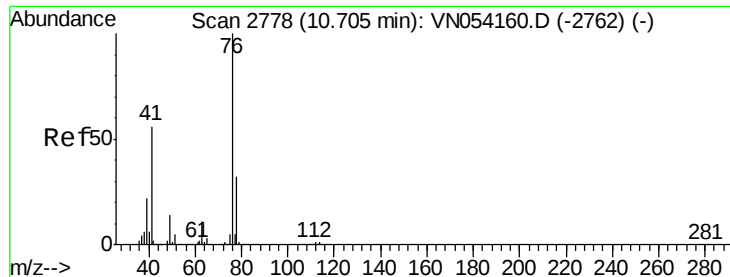
Tot Ion:	97	Resp:	265421
Ion	Ratio	Lower	Upper
97	100		
83	84.8	66.6	100.0
85	54.2	44.4	66.6
99	62.1	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 20.802 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054445.D
 Acq: 19 Mar 2019 17:28

Tgt Ion:	69	Resp:	319652
Ion	Ratio	Lower	Upper
69	100		
41	55.1	49.4	74.2
39	26.7	28.3	42.5#





#57

1,3-Dichloropropane

Concen: 20.800 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA_N

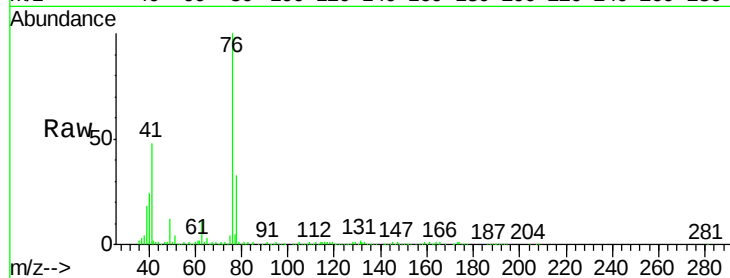
ClientSampled :

Tot Ion: 76 Resp: 438298

Ion Ratio Lower Upper

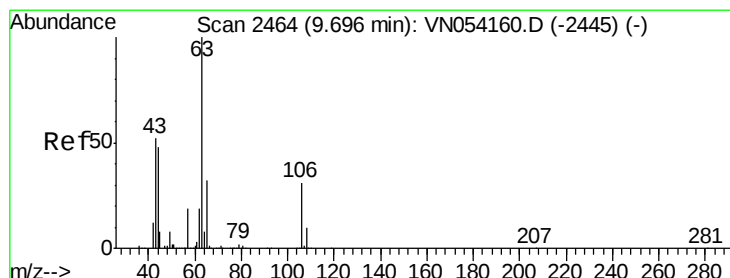
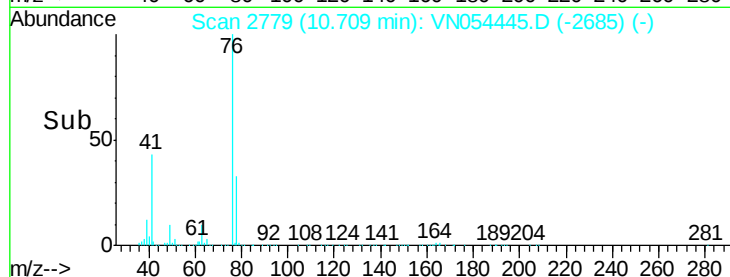
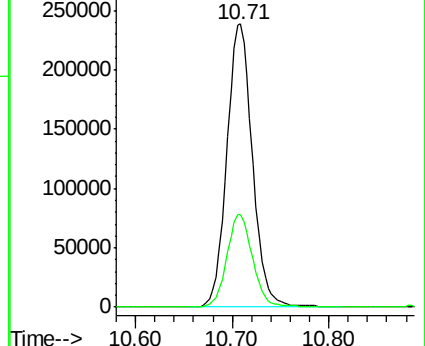
76 100

78 32.4 25.7 38.5



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: 99.231 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054445.D

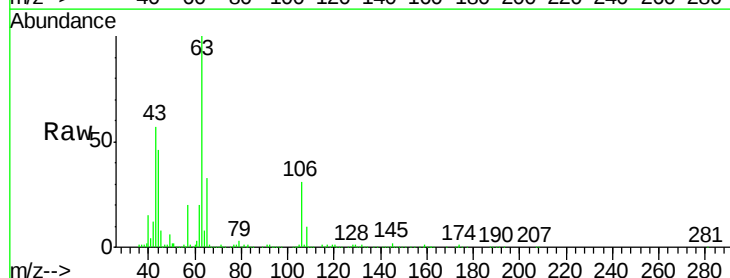
Acq: 19 Mar 2019 17:28

Tgt Ion: 63 Resp: 588979

Ion Ratio Lower Upper

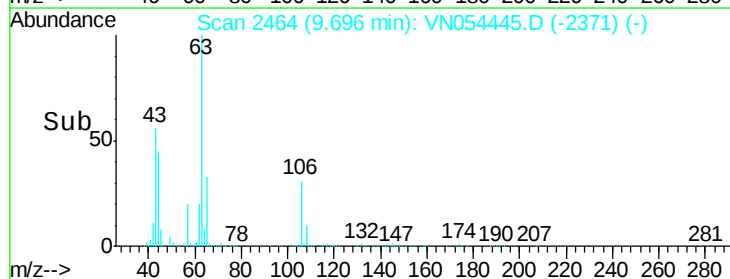
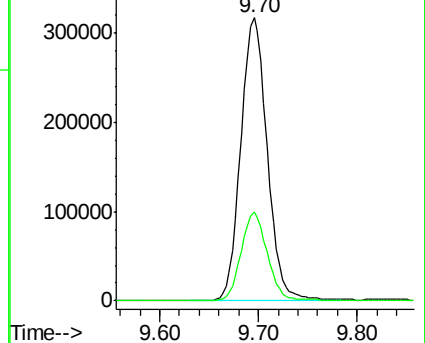
63 100

106 30.7 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

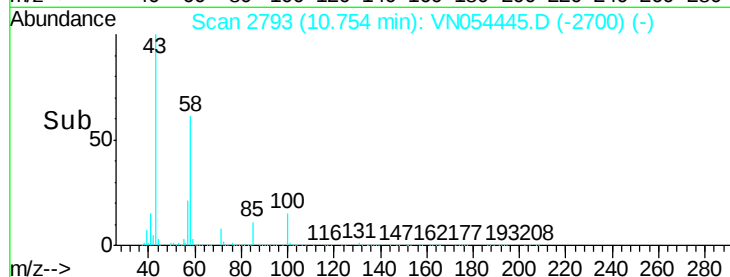
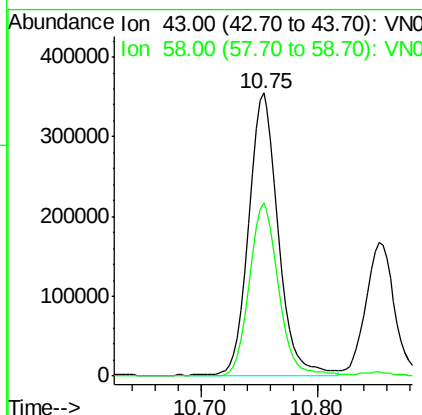
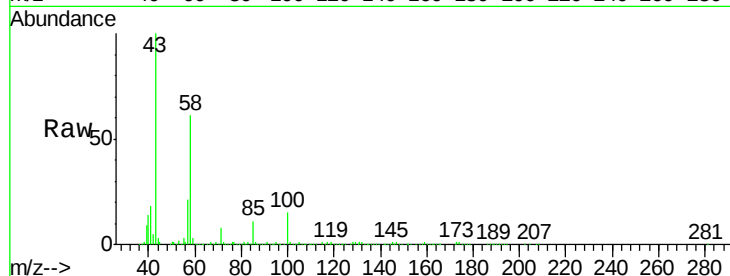




#59
2-Hexanone
Concen: 90.635 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054445.D
Acq: 19 Mar 2019 17:28

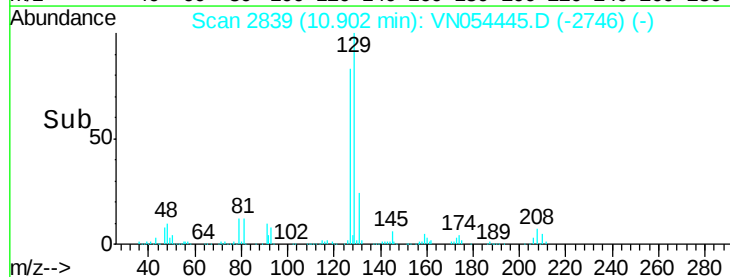
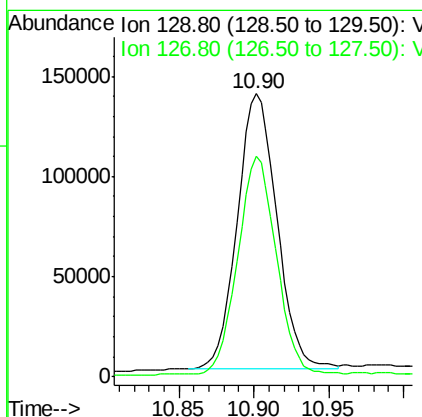
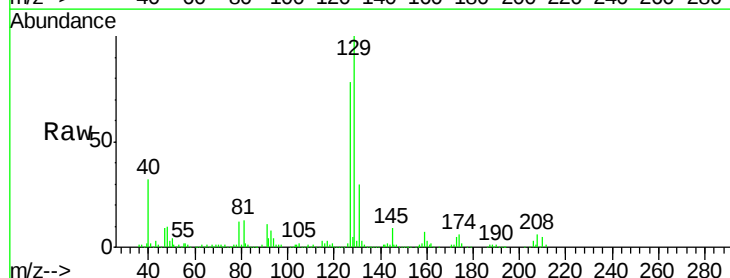
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 626117
Ion Ratio Lower Upper
43 100
58 61.2 28.0 83.9



#60
Dibromochloromethane
Concen: 17.560 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054445.D
Acq: 19 Mar 2019 17:28

Tgt Ion: 129 Resp: 254715
Ion Ratio Lower Upper
129 100
127 77.7 38.6 115.8

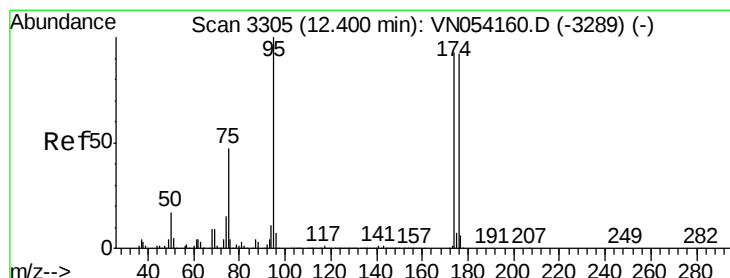
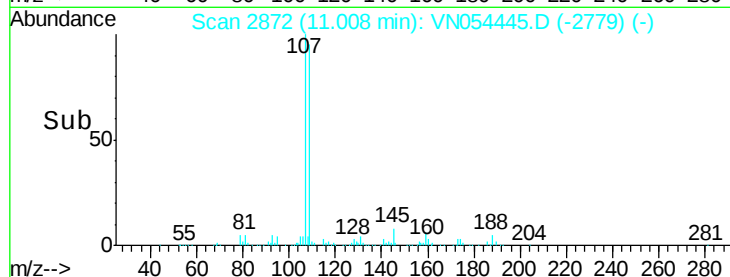
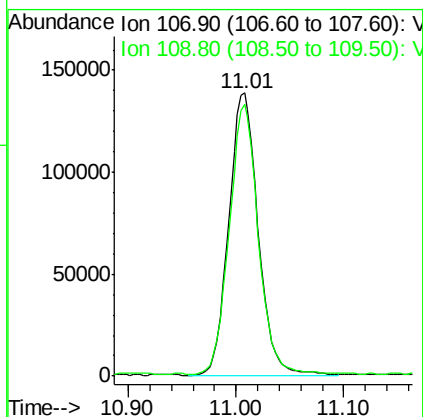
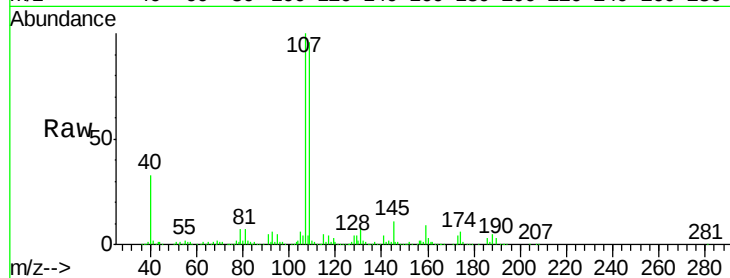




#61
 1,2-Dibromoethane
 Concen: 20.087 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN054445.D
 Acq: 19 Mar 2019 17:28

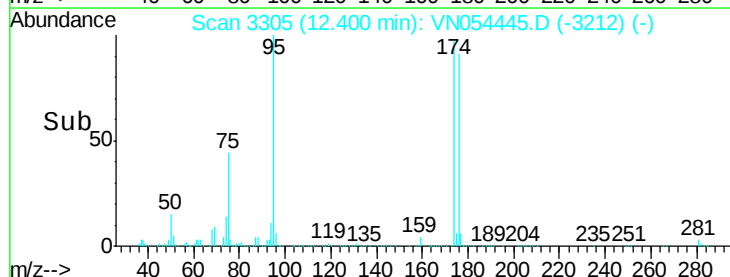
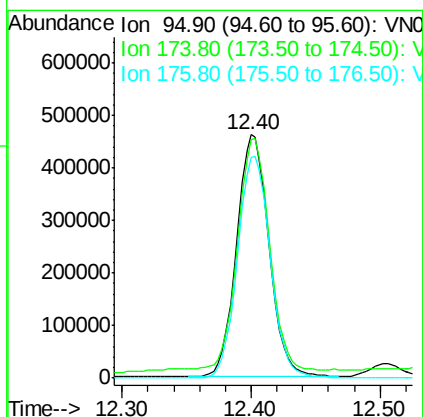
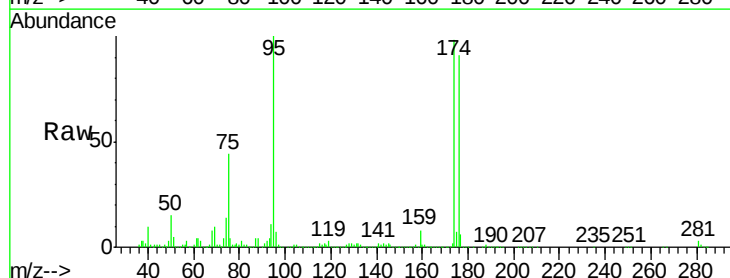
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:107 Resp: 263056
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 45.566 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054445.D
 Acq: 19 Mar 2019 17:28

Tgt Ion: 95 Resp: 802122
 Ion Ratio Lower Upper
 95 100
 174 95.2 0.0 191.0
 176 92.8 0.0 187.4

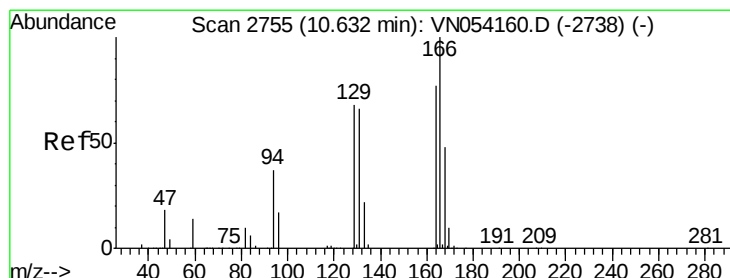
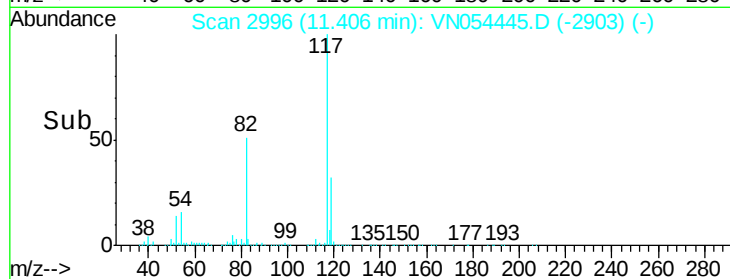
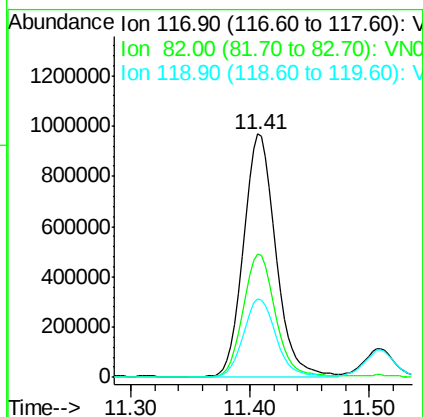
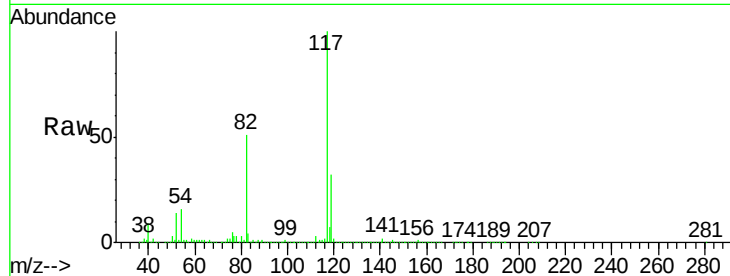




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054445.D
Acq: 19 Mar 2019 17:28

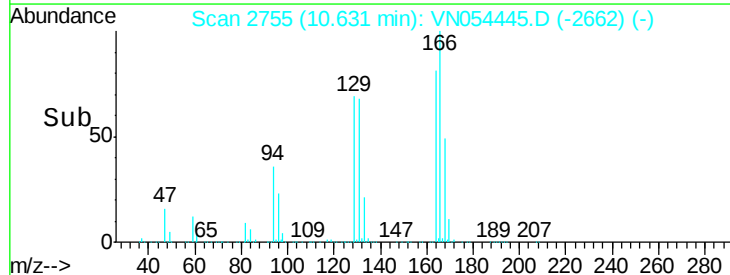
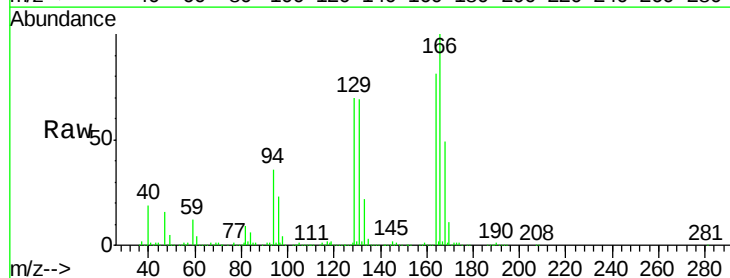
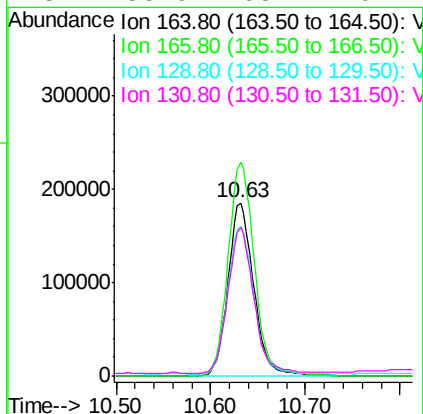
Instrument :
MSVOA_N
ClientSampleId :

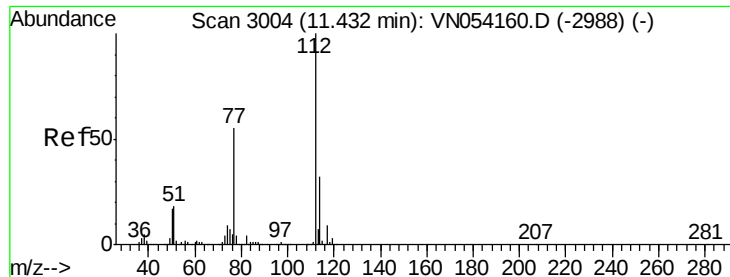
Tot Ion:117 Resp: 1808281
Ion Ratio Lower Upper
117 100
82 50.9 40.0 60.0
119 32.2 25.8 38.6



#64
Tetrachloroethene
Concen: 20.062 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054445.D
Acq: 19 Mar 2019 17:28

Tgt Ion:164 Resp: 350744
Ion Ratio Lower Upper
164 100
166 123.2 103.9 155.9
129 85.1 71.1 106.7
131 83.9 68.2 102.4





#65

Chlorobenzene

Concen: 20.957 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA_N

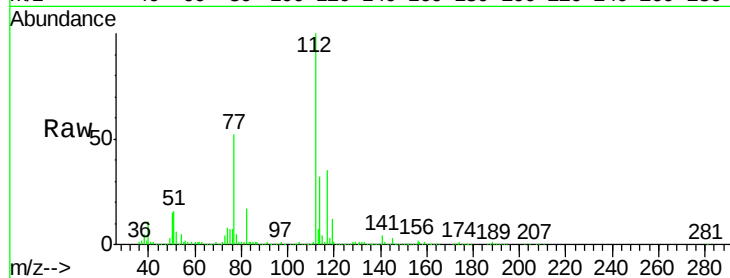
ClientSampled :

Tot Ion:112 Resp: 832089

Ion Ratio Lower Upper

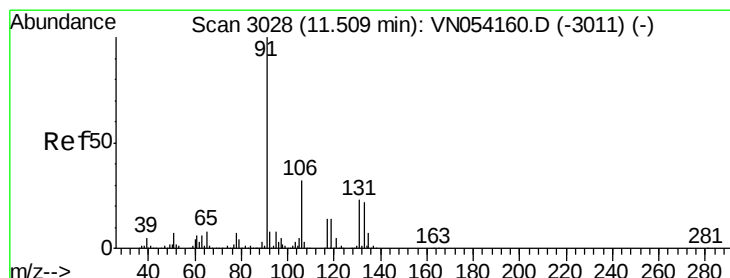
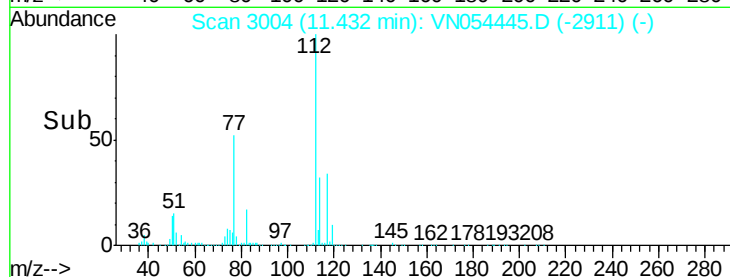
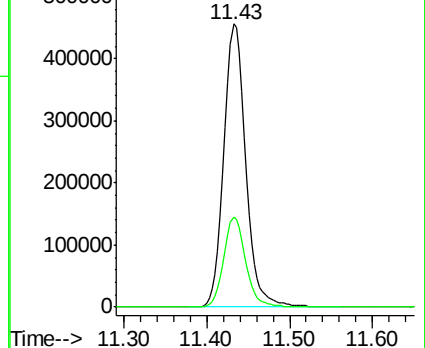
112 100

114 31.9 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.179 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

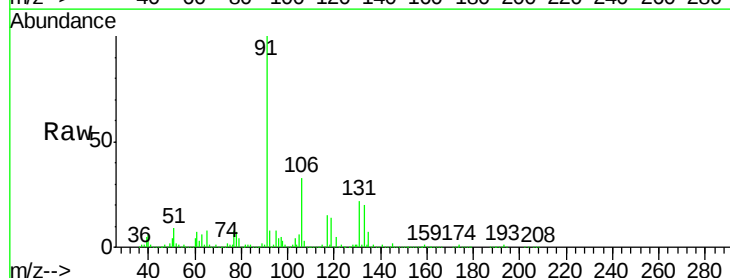
Tgt Ion:131 Resp: 276634

Ion Ratio Lower Upper

131 100

133 97.4 47.6 142.9

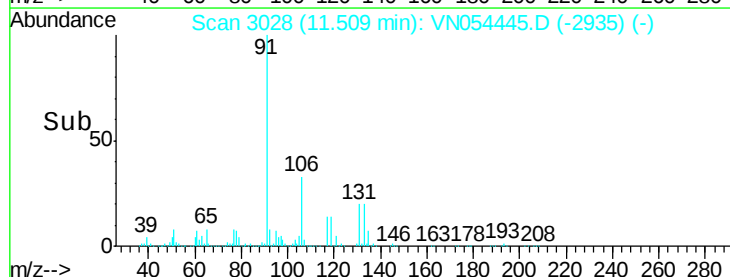
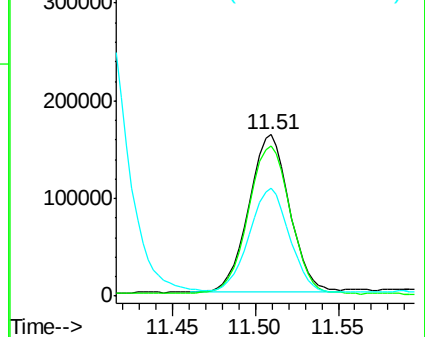
119 65.8 32.4 97.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.567 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA_N

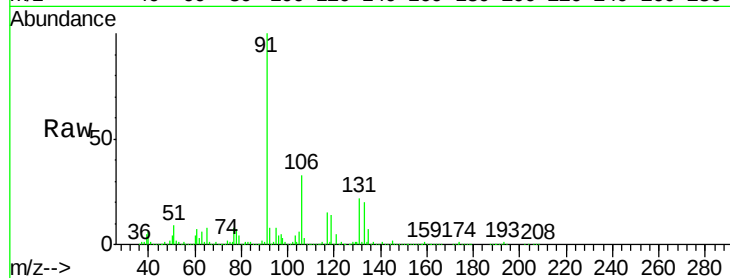
ClientSampleId :

Tot Ion: 91 Resp: 1353694

Ion Ratio Lower Upper

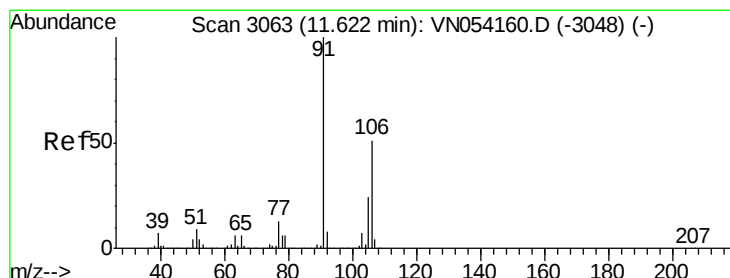
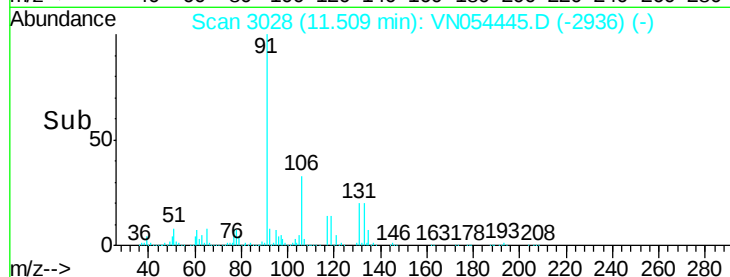
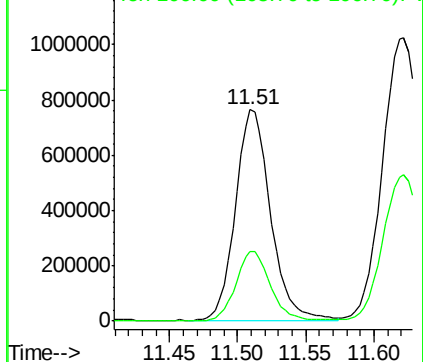
91 100

106 33.1 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.154 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN054445.D

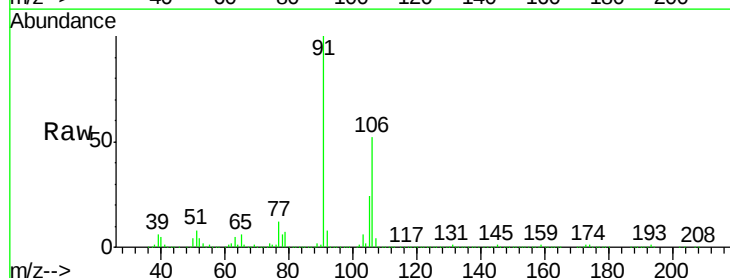
Acq: 19 Mar 2019 17:28

Tgt Ion:106 Resp: 1058681

Ion Ratio Lower Upper

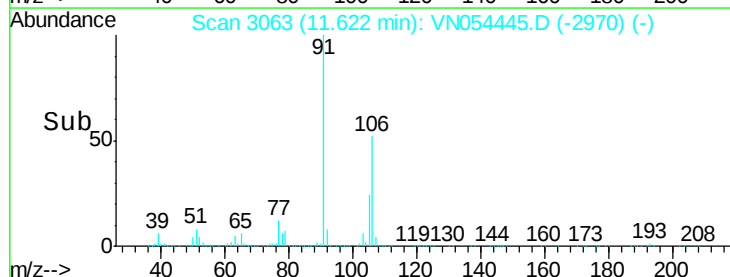
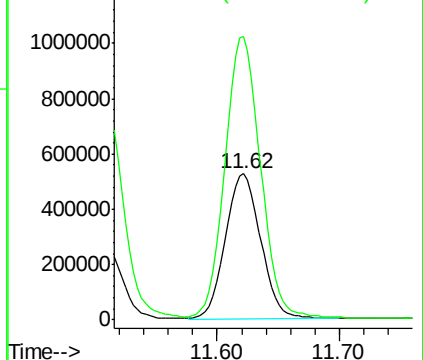
106 100

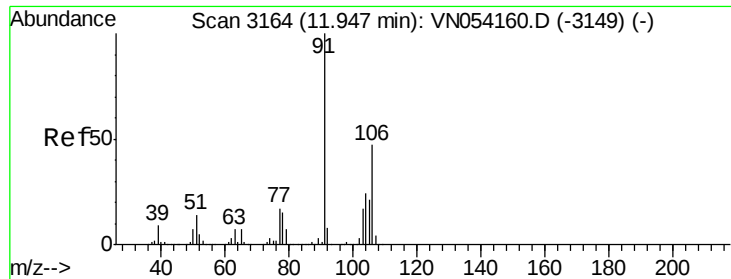
91 196.7 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

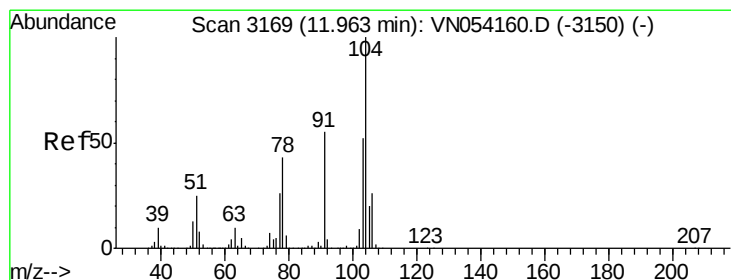
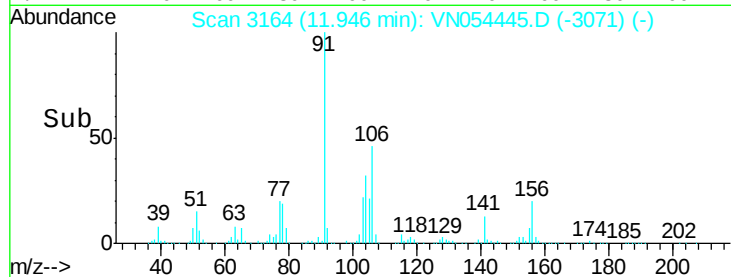
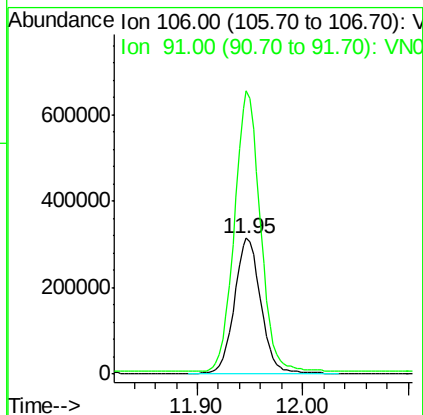
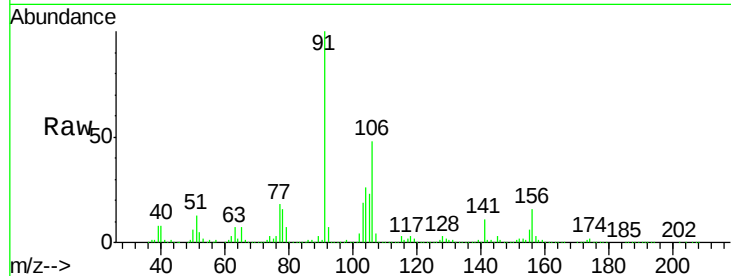




#69
o-Xylene
Concen: 21.405 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054445.D
Acq: 19 Mar 2019 17:28

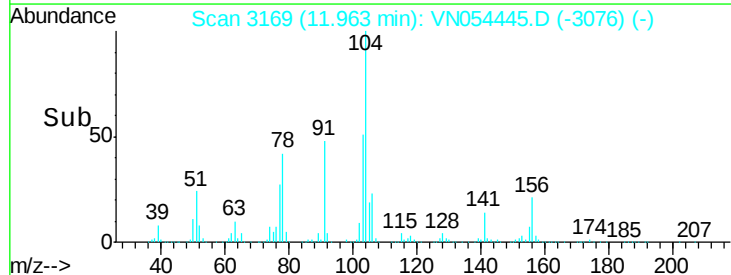
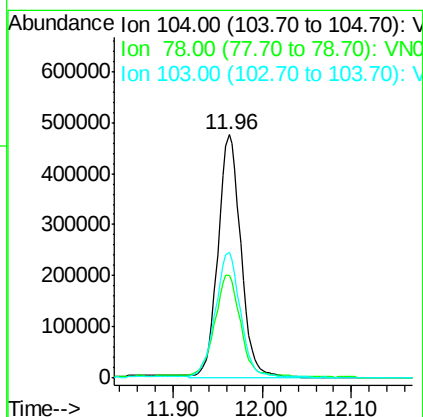
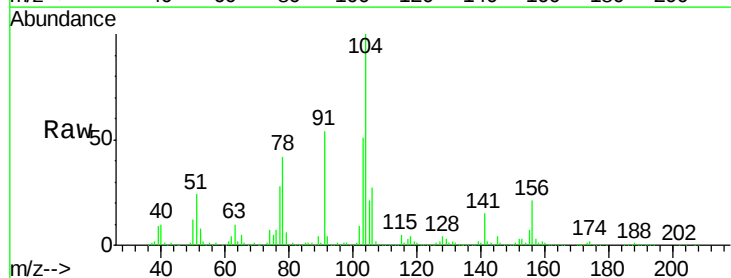
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:106 Resp: 536769
Ion Ratio Lower Upper
106 100
91 203.8 105.7 317.1



#70
Styrene
Concen: 21.522 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054445.D
Acq: 19 Mar 2019 17:28

Tgt Ion:104 Resp: 846436
Ion Ratio Lower Upper
104 100
78 47.6 38.2 57.2
103 56.0 44.4 66.6





#71

Bromoform

Concen: 16.666 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA_N

ClientSampled :

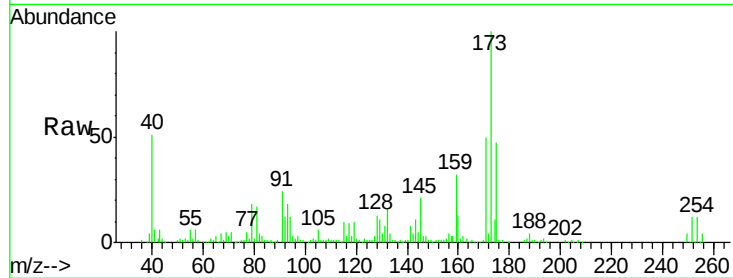
Tot Ion:173 Resp: 165161

Ion Ratio Lower Upper

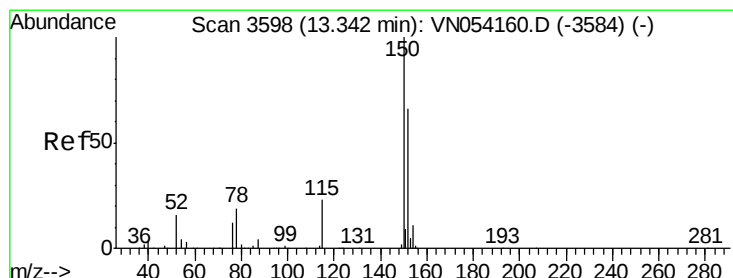
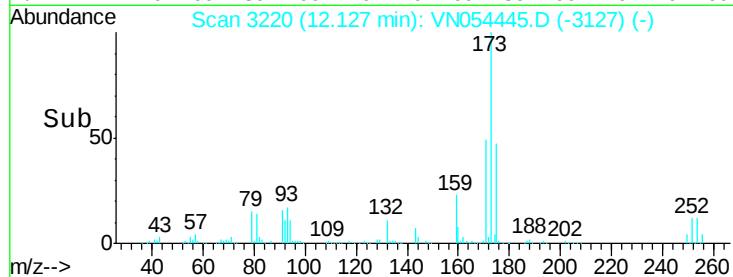
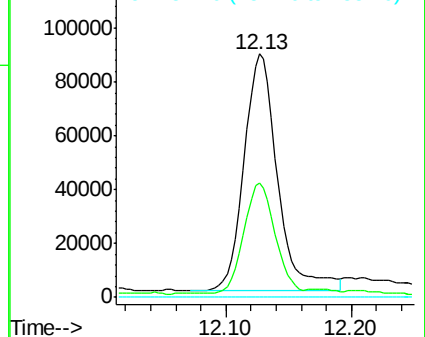
173 100

175 43.3 24.4 73.2

254 0.1 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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

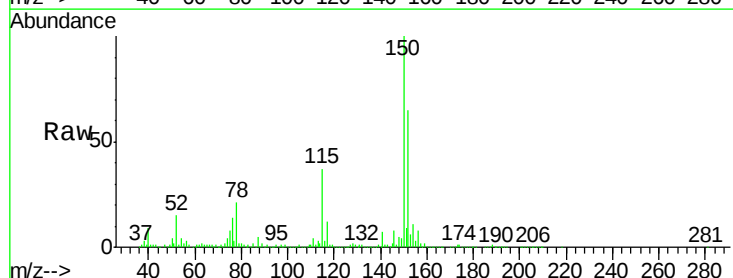
Tgt Ion:152 Resp: 842765

Ion Ratio Lower Upper

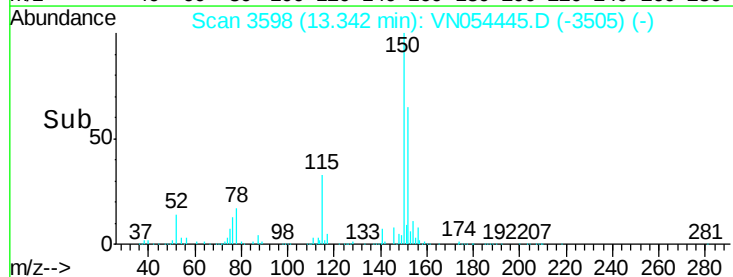
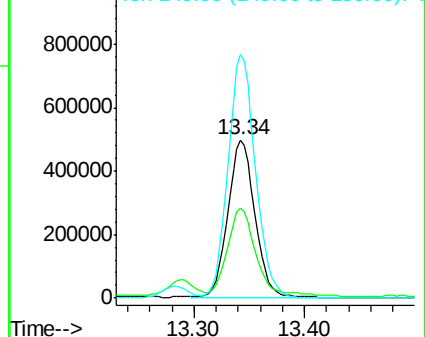
152 100

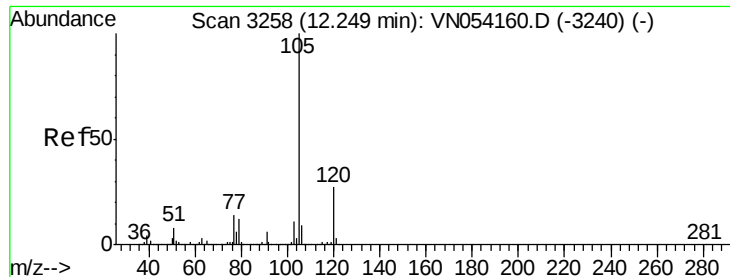
115 58.7 27.2 81.6

150 156.8 0.0 349.2



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





#73

Isopropylbenzene

Concen: 20.235 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA_N

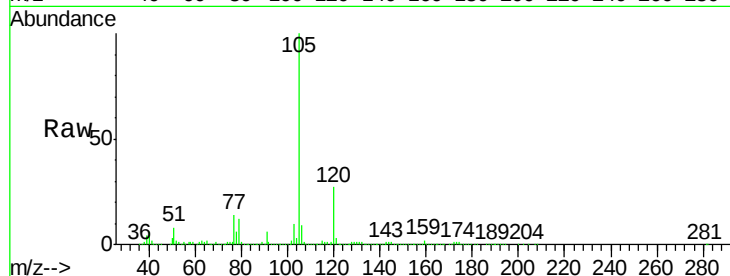
ClientSampleId :

Tot Ion:105 Resp: 1364357

Ion Ratio Lower Upper

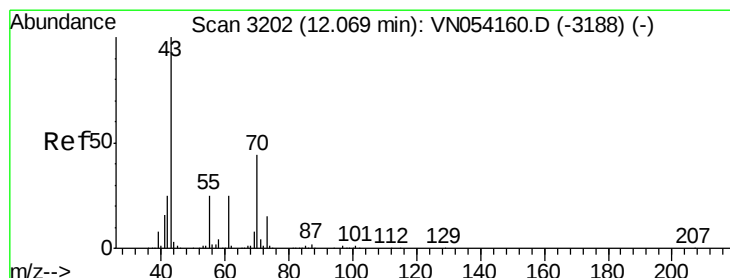
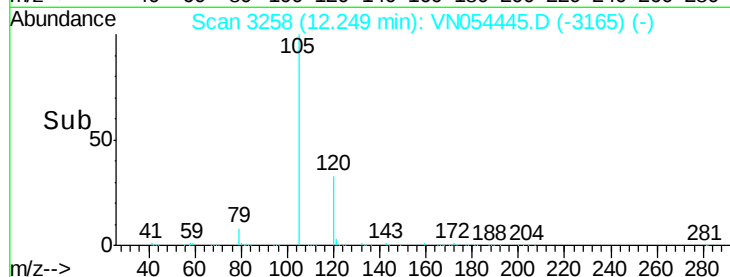
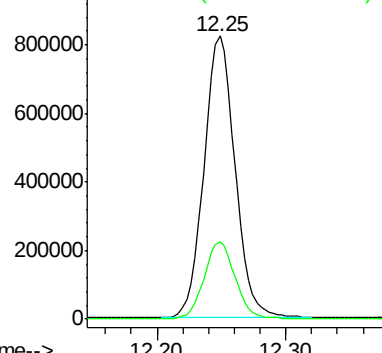
105 100

120 27.4 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.433 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Tgt Ion: 43 Resp: 290841

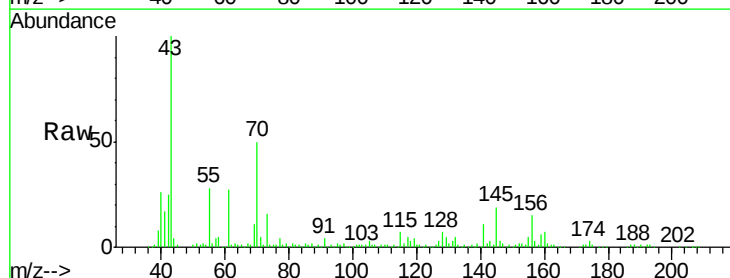
Ion Ratio Lower Upper

43 100

70 52.1 35.4 53.0

55 26.9 19.8 29.6

61 26.3 19.8 29.6

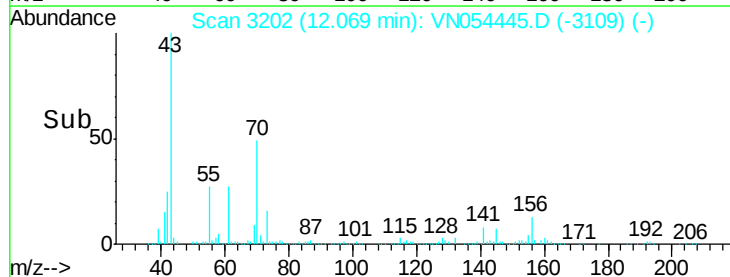
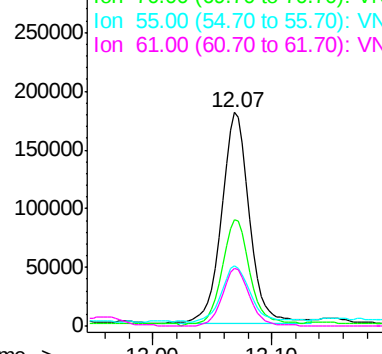


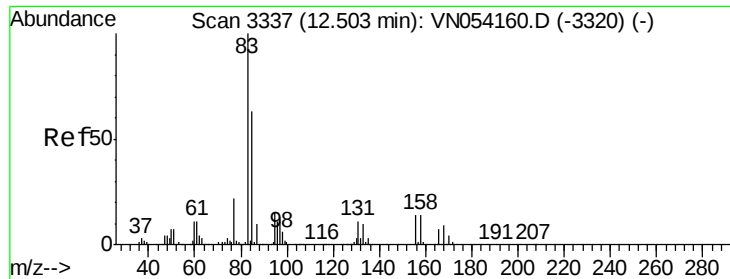
Abundance Ion 43.00 (42.70 to 43.70): V

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: 20.735 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA_N

ClientSampled :

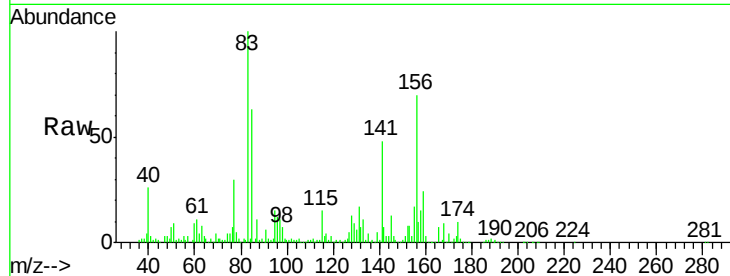
Tot Ion: 83 Resp: 297876

Ion Ratio Lower Upper

83 100

131 18.4 5.8 17.4#

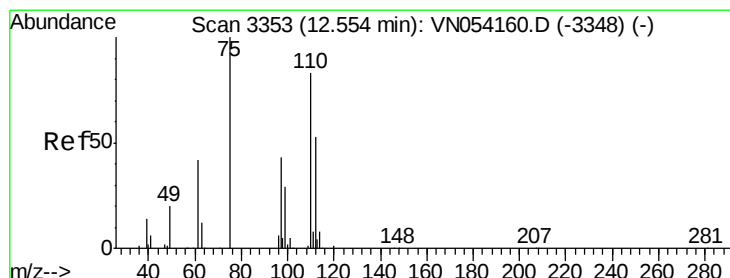
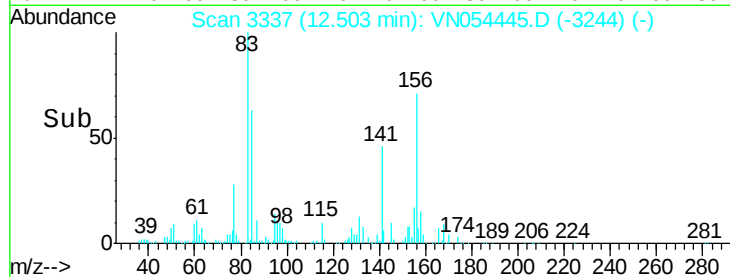
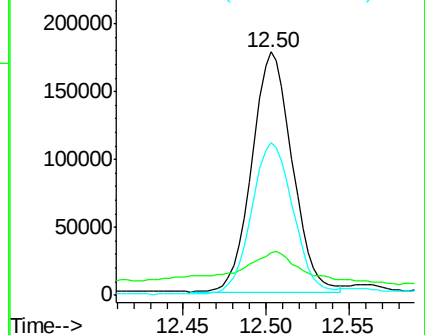
85 65.7 32.2 96.6



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: 28.993 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054445.D

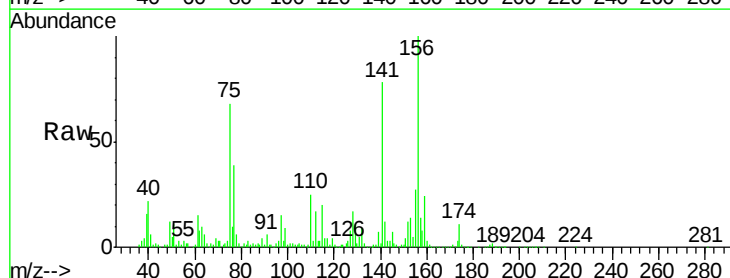
Acq: 19 Mar 2019 17:28

Tgt Ion: 75 Resp: 359318

Ion Ratio Lower Upper

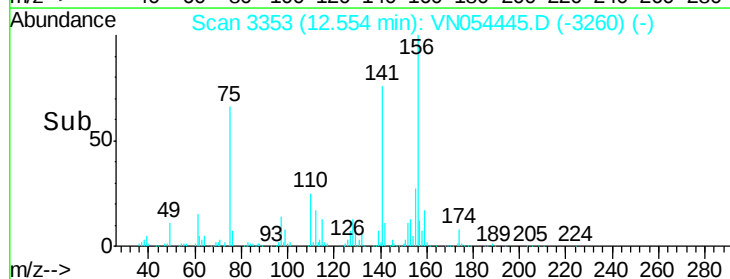
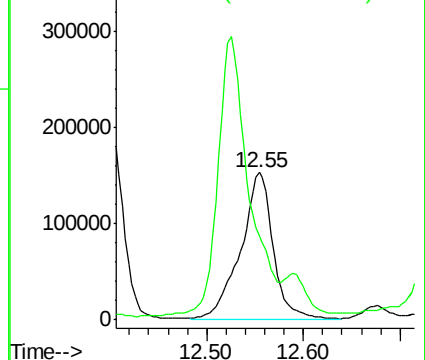
75 100

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: 90.964 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

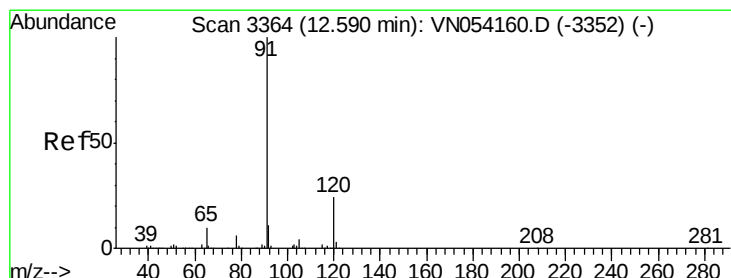
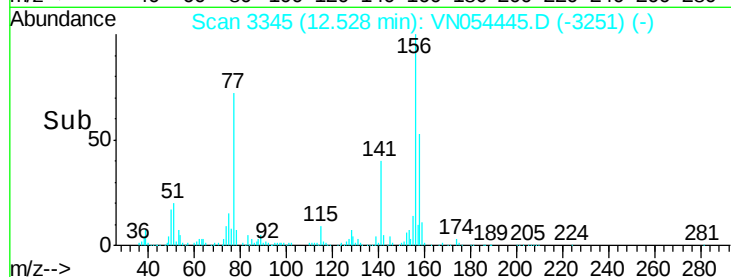
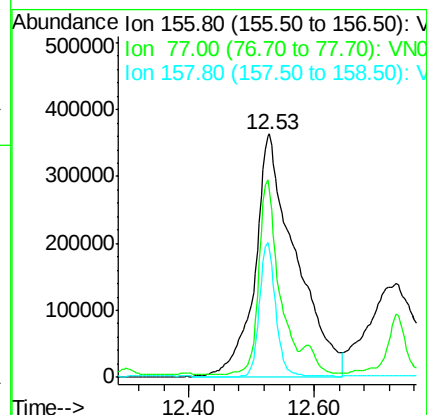
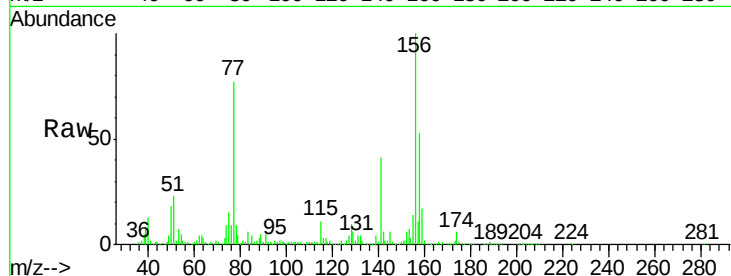
Tot Ion:156 Resp: 1622997

Ion Ratio Lower Upper

156 100

77 40.5 81.5 244.4#

158 22.1 49.0 147.2#



#78

n-propylbenzene

Concen: 19.366 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054445.D

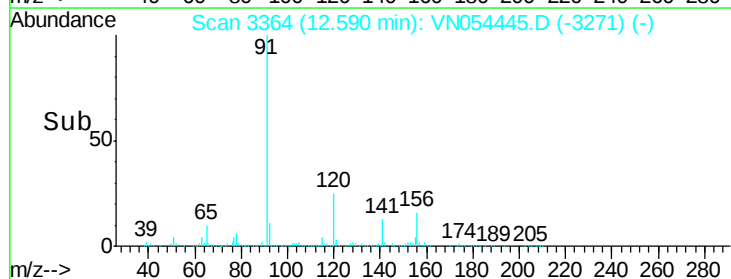
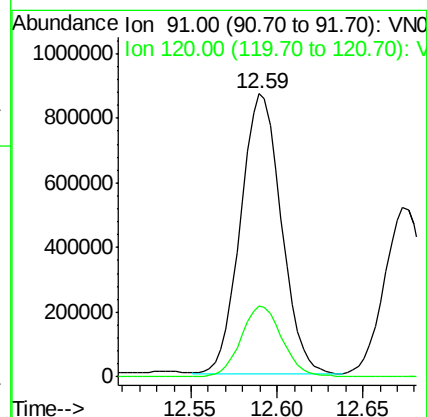
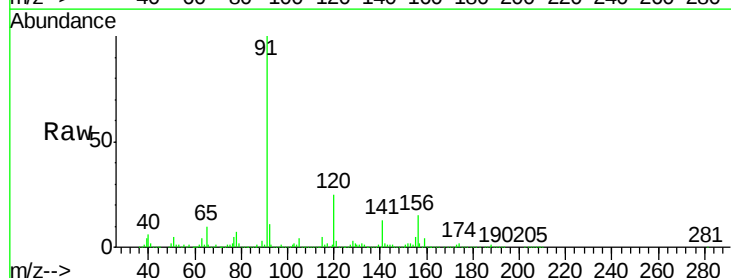
Acq: 19 Mar 2019 17:28

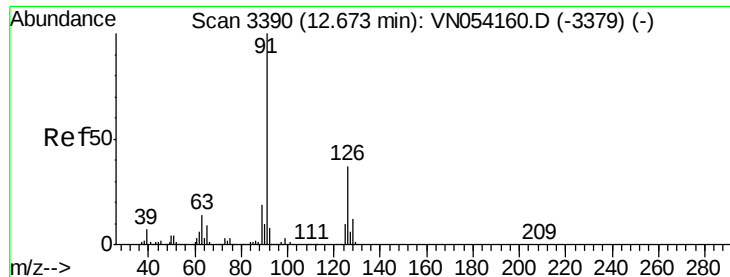
Tgt Ion: 91 Resp: 1416860

Ion Ratio Lower Upper

91 100

120 25.6 12.3 36.9





#79

2-Chlorotoluene

Concen: 19.903 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA_N

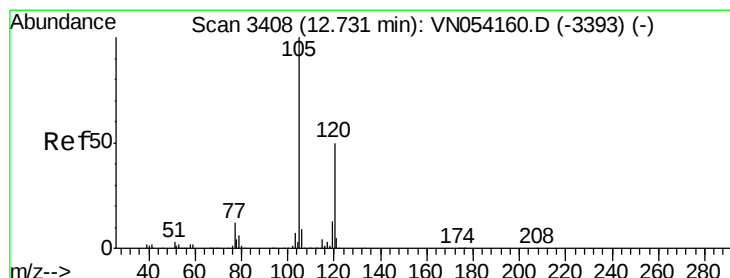
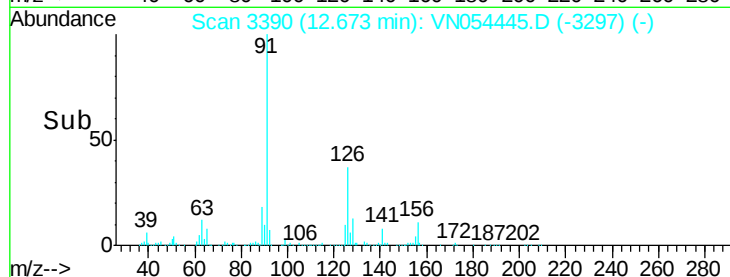
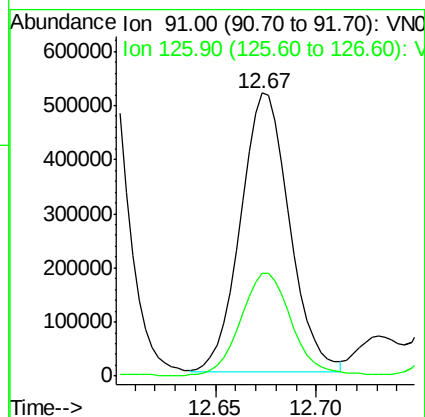
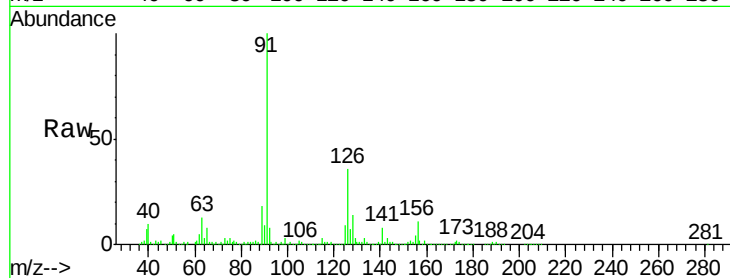
ClientSampleId :

Tot Ion: 91 Resp: 875516

Ion Ratio Lower Upper

91 100

126 38.1 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 20.783 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054445.D

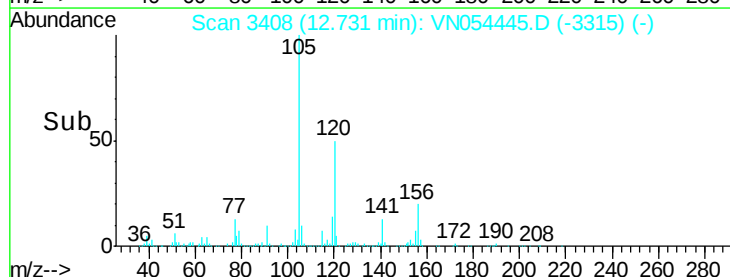
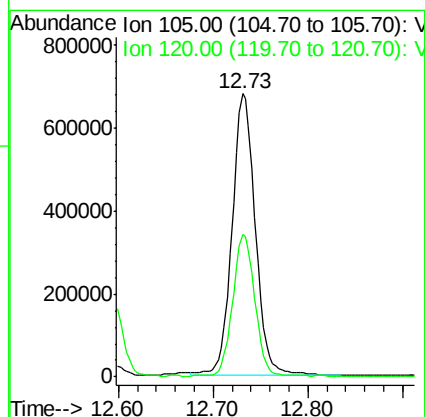
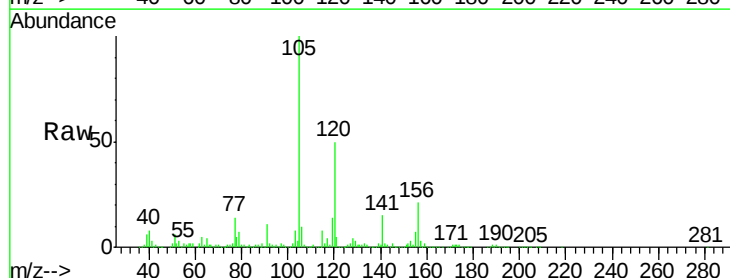
Acq: 19 Mar 2019 17:28

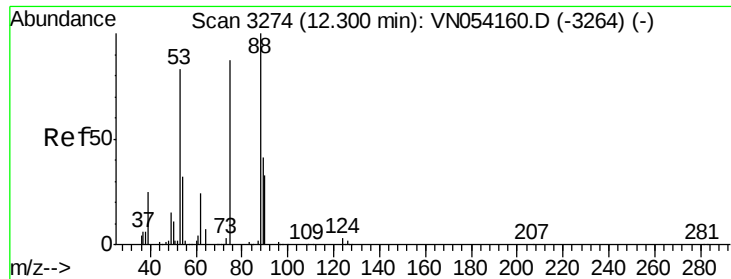
Tgt Ion: 105 Resp: 1165602

Ion Ratio Lower Upper

105 100

120 47.4 25.0 75.0

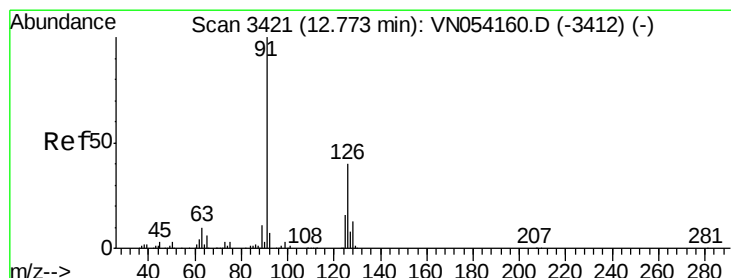
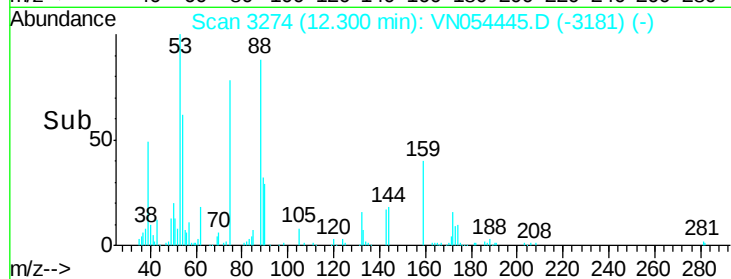
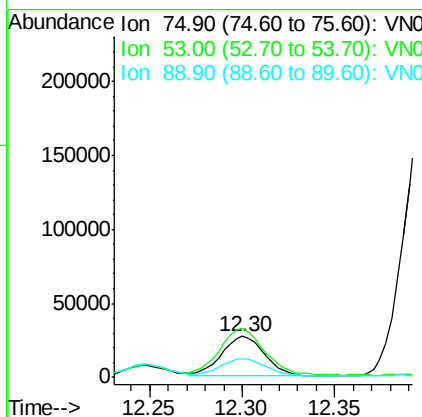
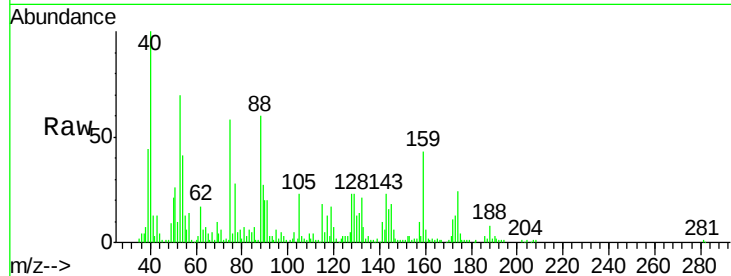




#81
 trans-1,4-Dichloro-2-butene
 Concen: 12.164 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. 0.00 min
 Lab File: VN054445.D
 Acq: 19 Mar 2019 17:28

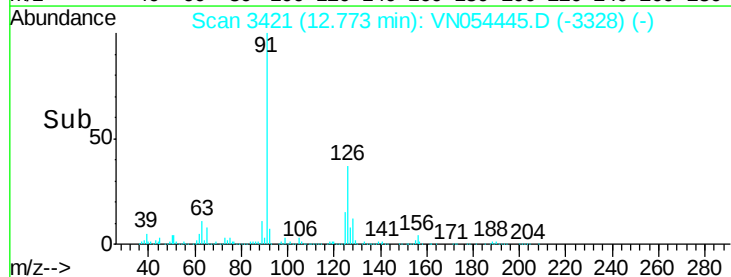
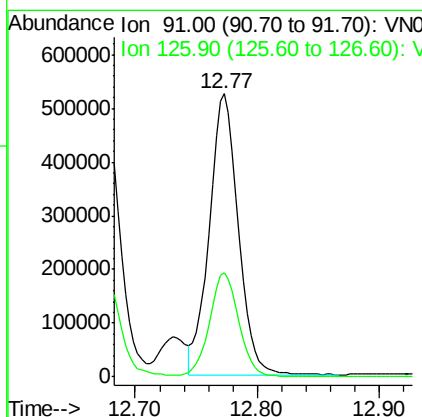
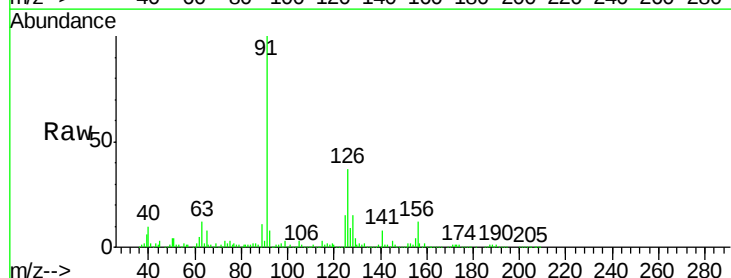
Instrument :
 MSVOA_N
 ClientSampled :

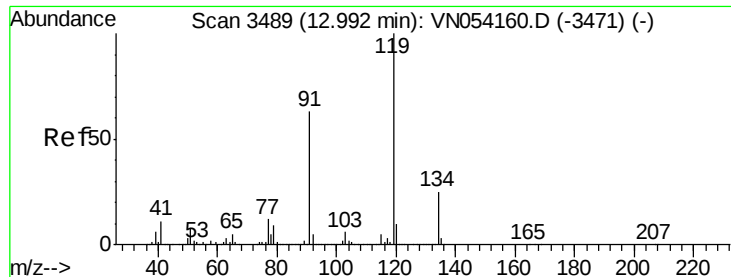
Tot Ion: 75 Resp: 44098
 Ion Ratio Lower Upper
 75 100
 53 119.6 76.2 114.2#
 89 45.3 39.2 58.8



#82
 4-Chlorotoluene
 Concen: 19.732 ug/l
 RT: 12.77 min Scan# 3421
 Delta R.T. -0.00 min
 Lab File: VN054445.D
 Acq: 19 Mar 2019 17:28

Tgt Ion: 91 Resp: 866739
 Ion Ratio Lower Upper
 91 100
 126 37.4 18.1 54.1





#83

tert-Butylbenzene

Concen: 19.099 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

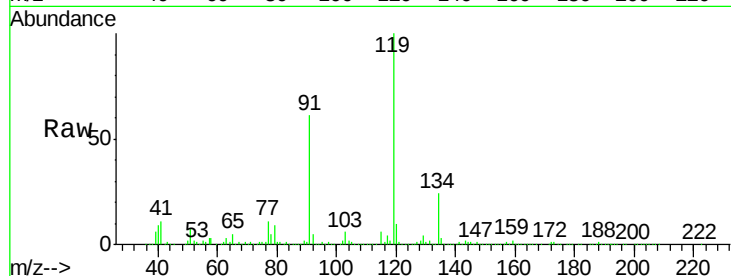
Tot Ion:119 Resp: 985932

Ion Ratio Lower Upper

119 100

91 59.2 30.9 92.8

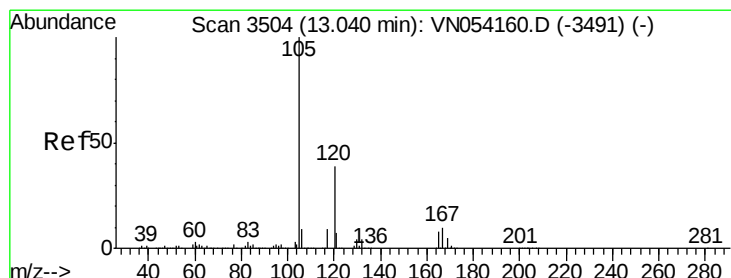
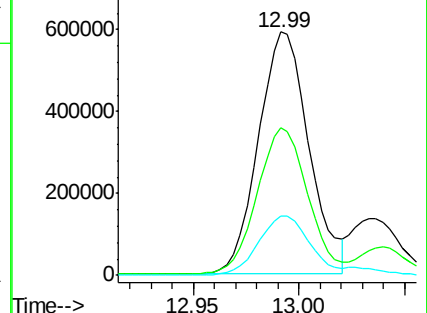
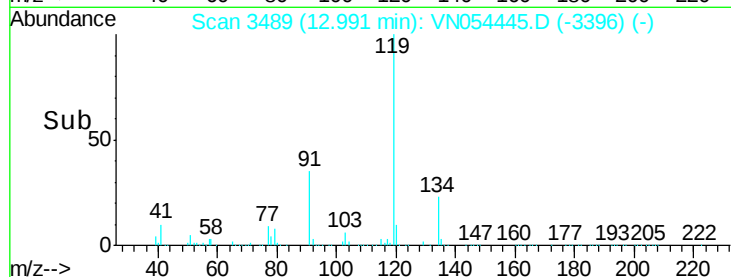
134 26.8 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.983 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054445.D

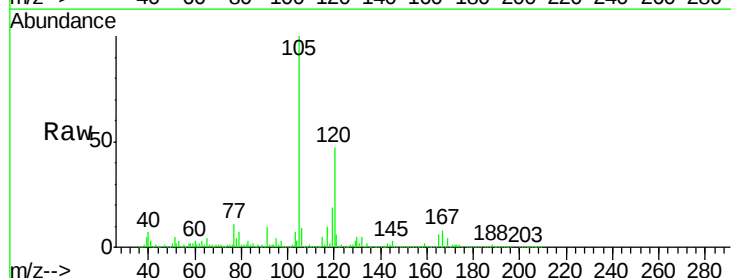
Acq: 19 Mar 2019 17:28

Tgt Ion:105 Resp: 1099493

Ion Ratio Lower Upper

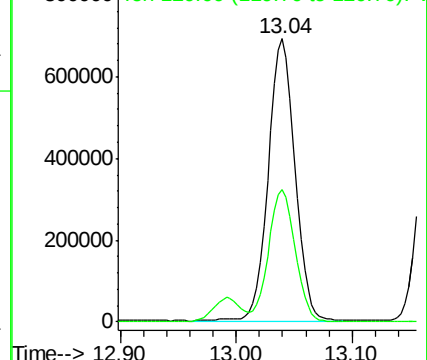
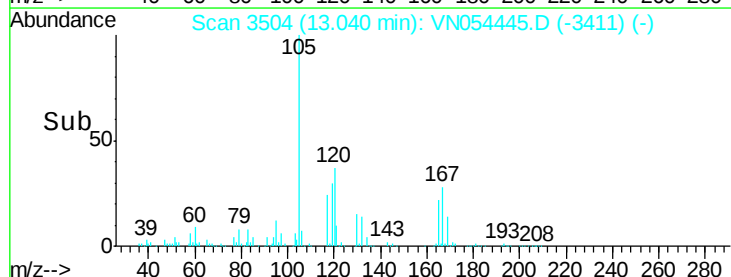
105 100

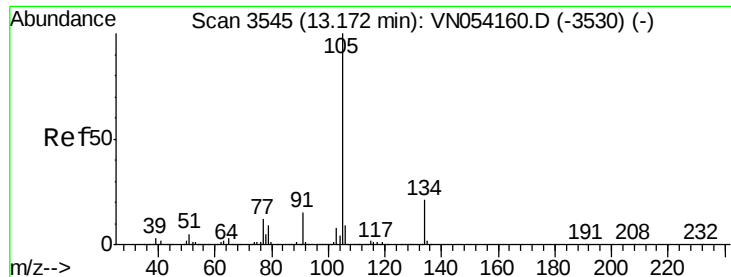
120 46.7 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.484 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA_N

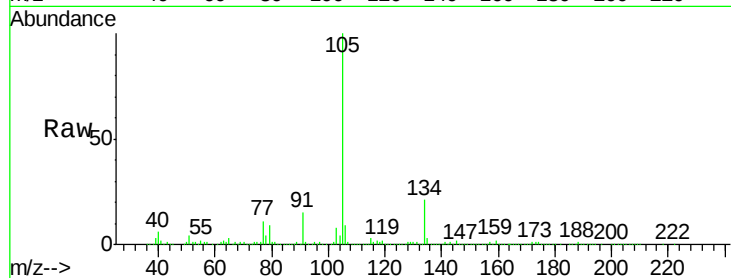
ClientSampled :

Tot Ion:105 Resp: 1237461

Ion Ratio Lower Upper

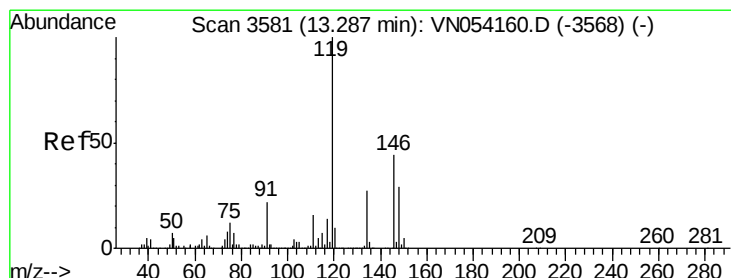
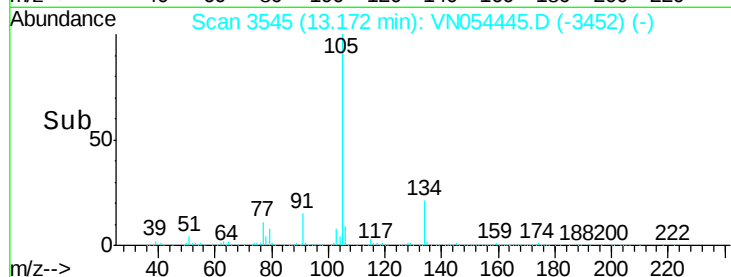
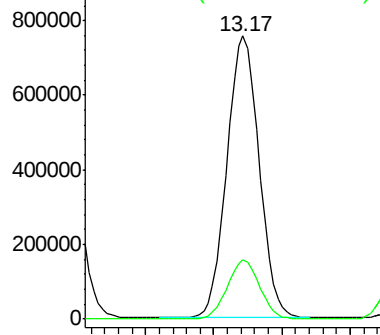
105 100

134 20.9 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.592 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

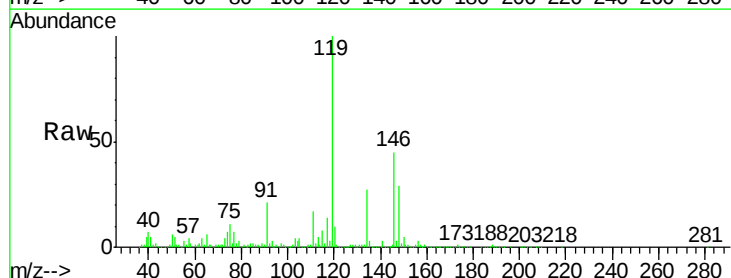
Tgt Ion:119 Resp: 1091987

Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.8

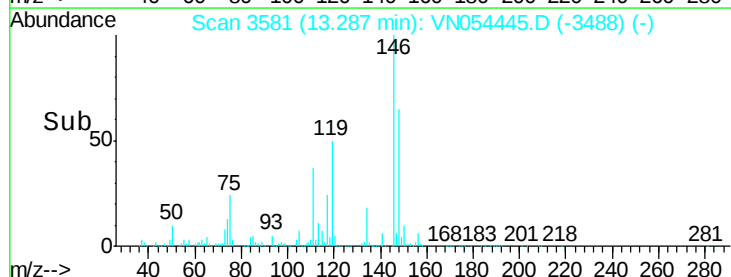
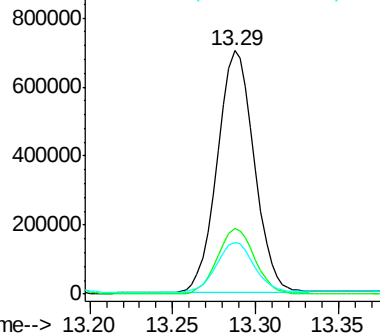
91 20.8 11.1 33.3

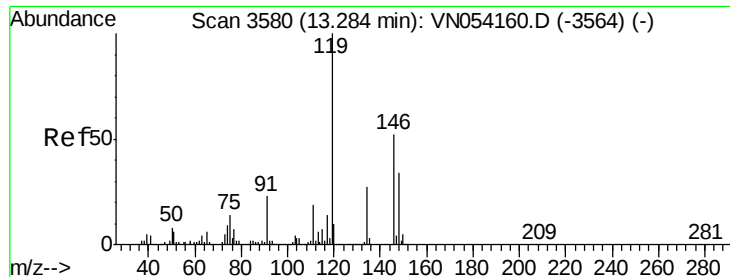


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.431 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

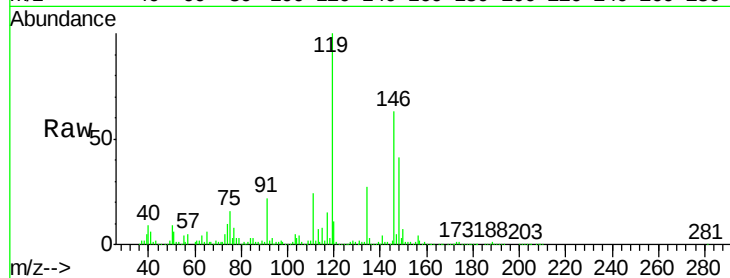
Tot Ion:146 Resp: 584192

Ion Ratio Lower Upper

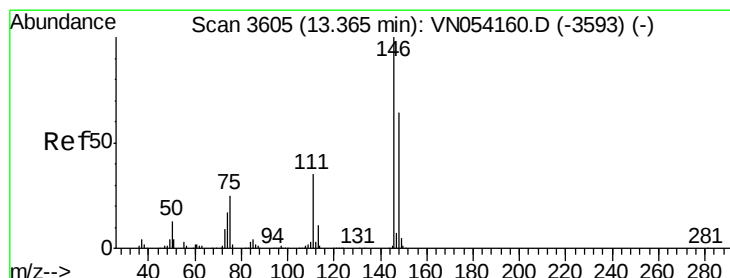
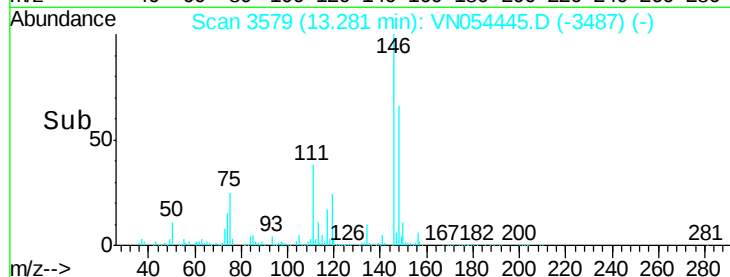
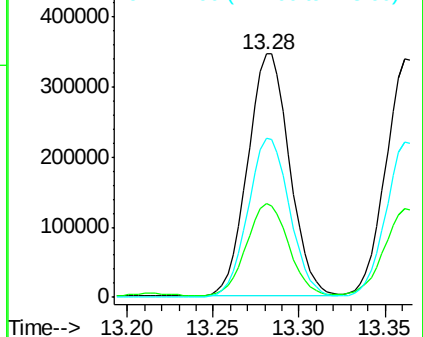
146 100

111 38.2 18.8 56.3

148 65.4 32.2 96.6



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



#88

1,4-Dichlorobenzene

Concen: 19.384 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

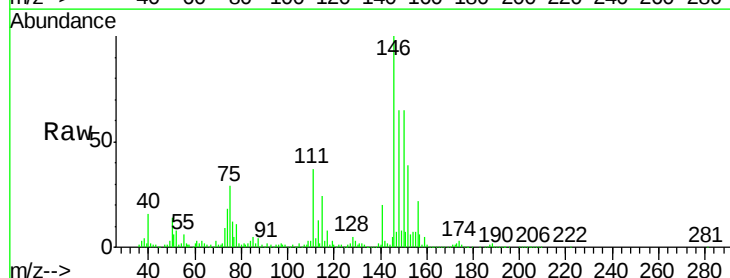
Tgt Ion:146 Resp: 572503

Ion Ratio Lower Upper

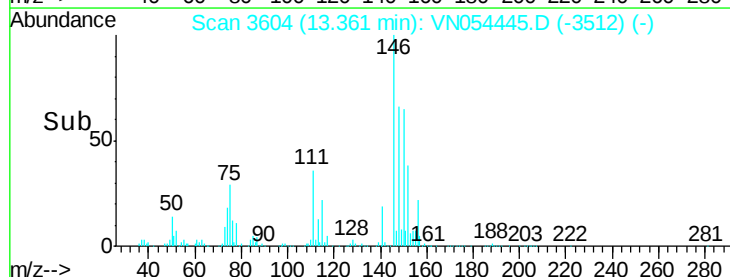
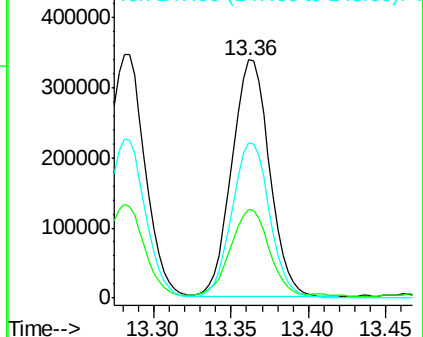
146 100

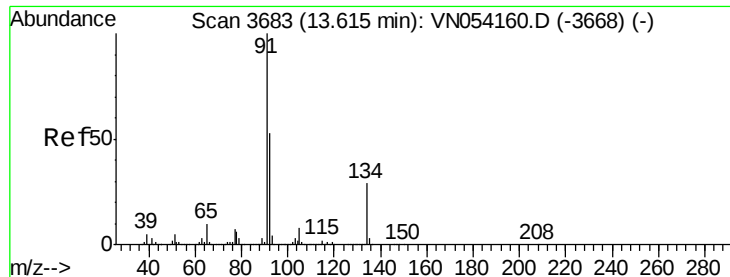
111 36.5 18.1 54.1

148 65.3 32.0 96.0



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





#89

n-Butylbenzene

Concen: 18.207 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

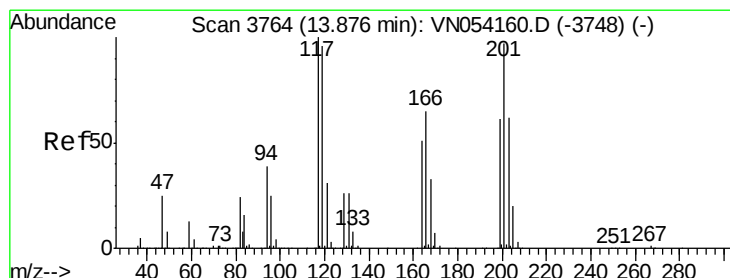
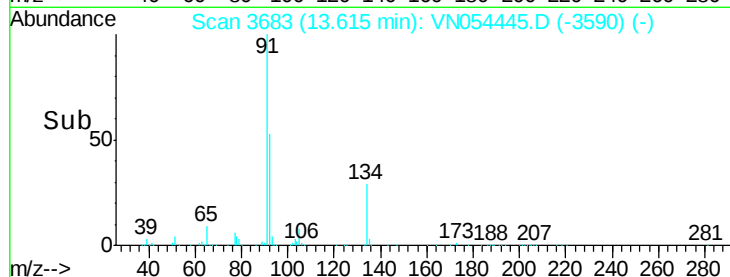
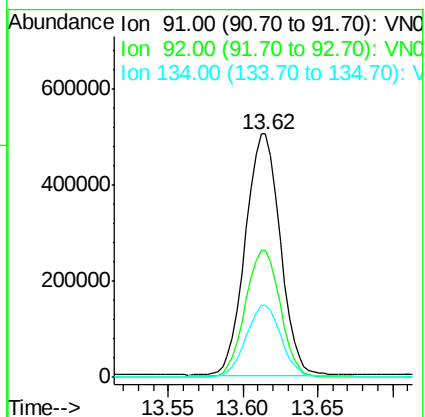
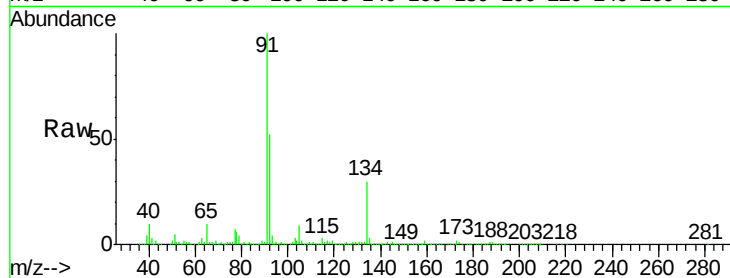
Tot Ion: 91 Resp: 812500

Ion Ratio Lower Upper

91 100

92 52.8 26.2 78.6

134 30.5 14.3 42.9



#90

Hexachloroethane

Concen: 13.205 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054445.D

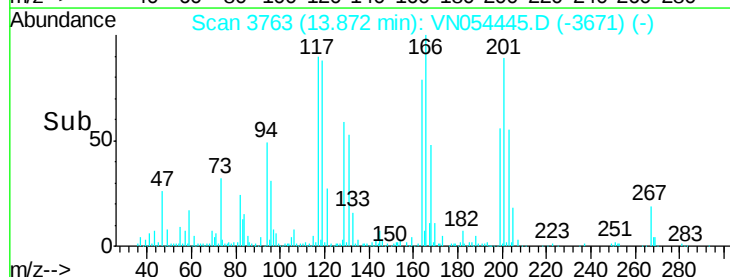
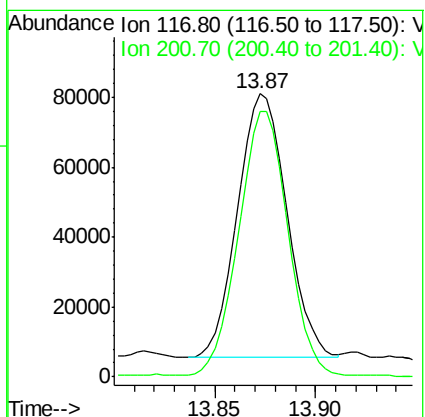
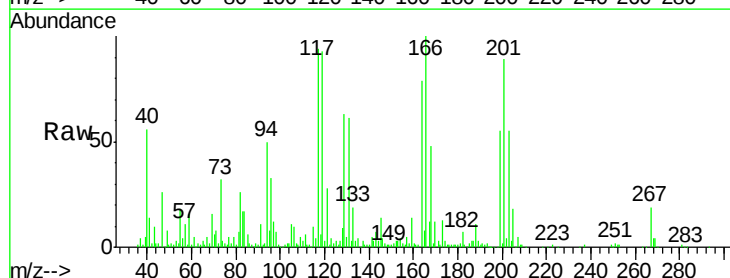
Acq: 19 Mar 2019 17:28

Tgt Ion: 117 Resp: 128420

Ion Ratio Lower Upper

117 100

201 101.1 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 20.122 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

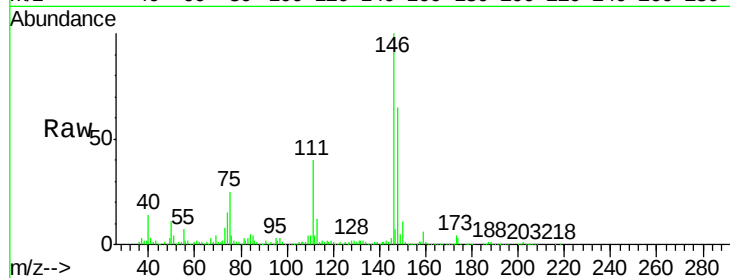
Tot Ion:146 Resp: 591389

Ion Ratio Lower Upper

146 100

111 39.5 19.1 57.3

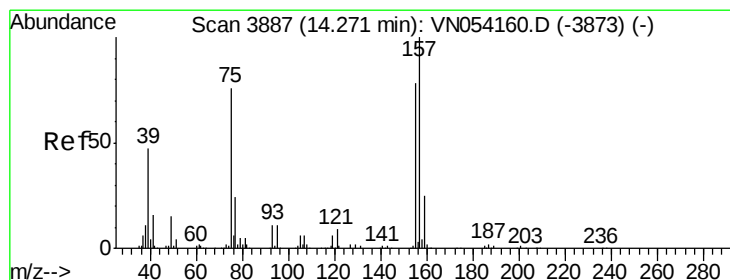
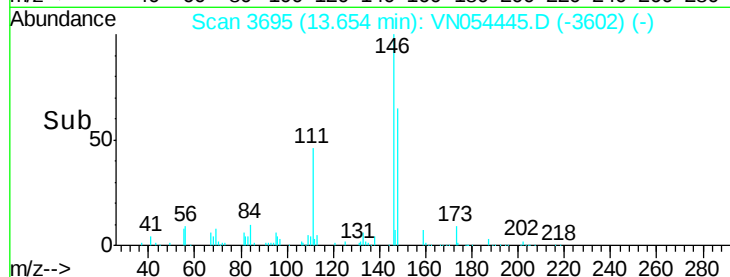
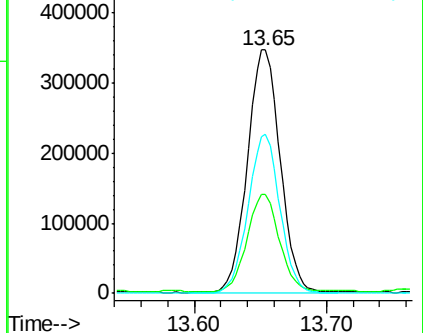
148 63.7 32.4 97.0



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: 16.432 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054445.D

Acq: 19 Mar 2019 17:28

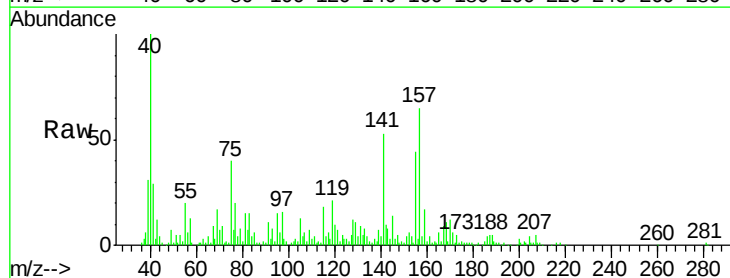
Tgt Ion: 75 Resp: 36529

Ion Ratio Lower Upper

75 100

155 107.8 50.1 150.3

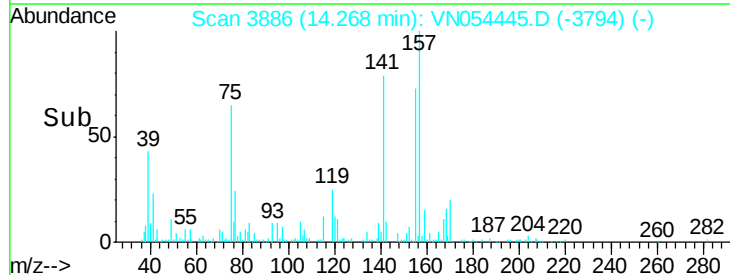
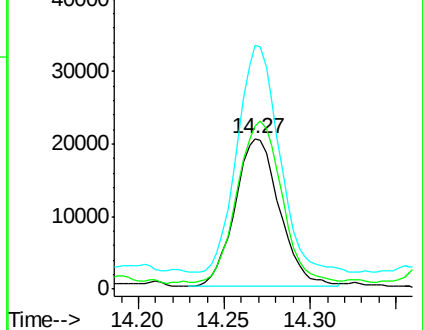
157 146.2 63.1 189.3

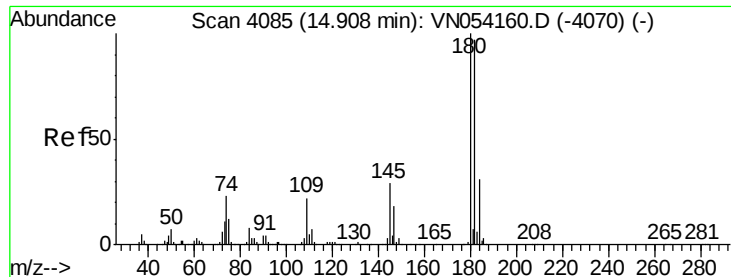


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

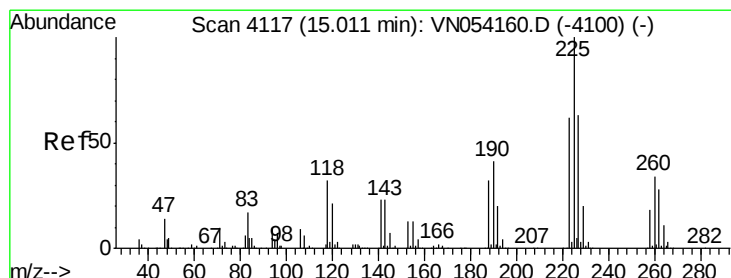
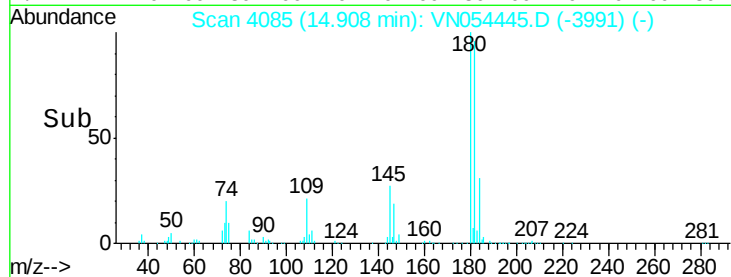
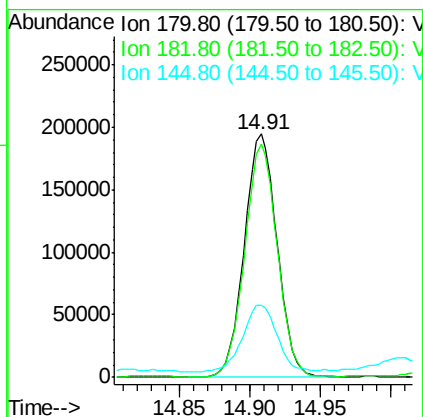
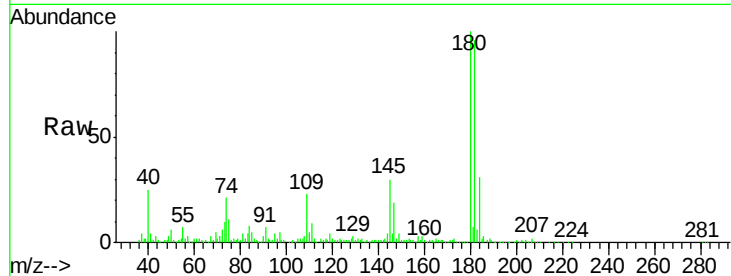




#93
 1,2,4-Trichlorobenzene
 Concen: 19.414 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054445.D
 Acq: 19 Mar 2019 17:28

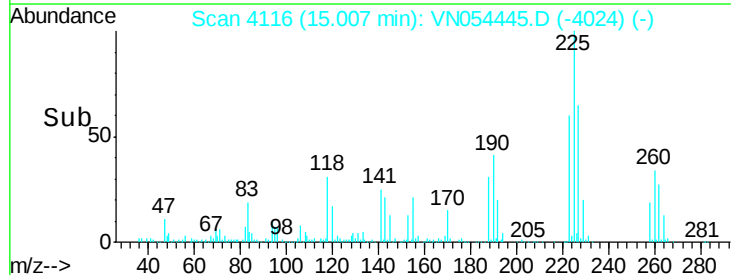
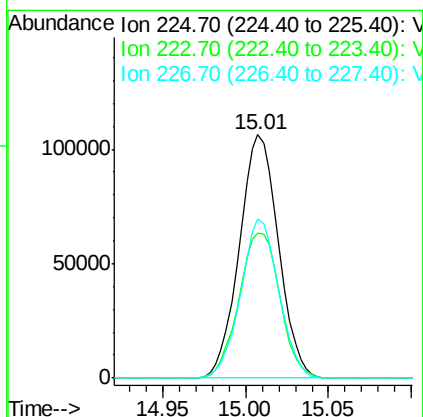
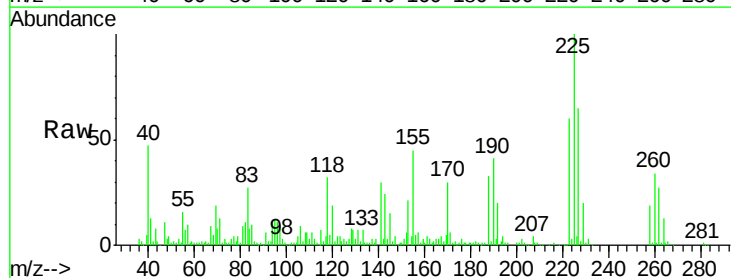
Instrument :
 MSVOA_N
 ClientSampled :

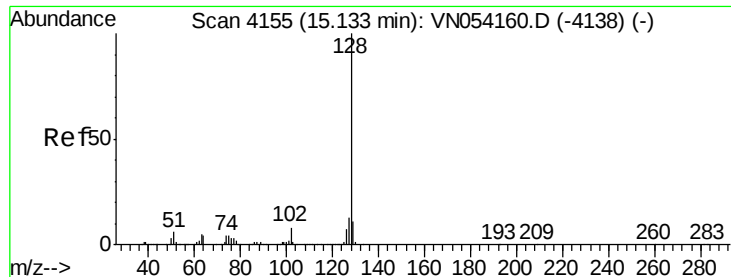
Tot Ion:180 Resp: 315726
 Ion Ratio Lower Upper
 180 100
 182 95.5 48.0 144.2
 145 28.5 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 15.551 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054445.D
 Acq: 19 Mar 2019 17:28

Tgt Ion:225 Resp: 174092
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.1 93.5
 227 63.5 31.9 95.9

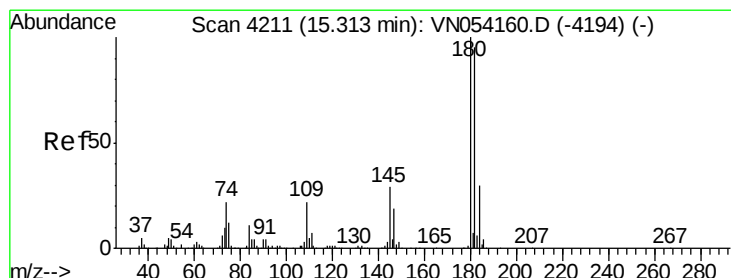
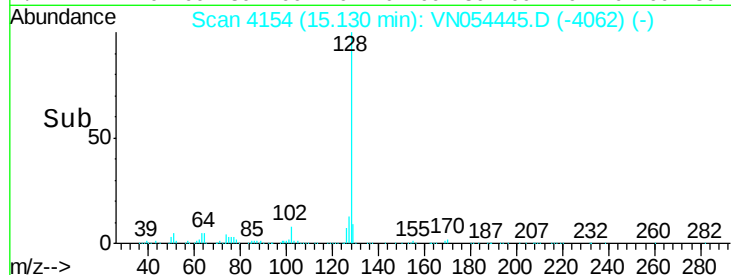
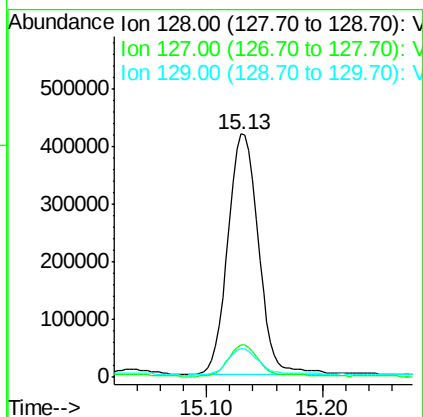
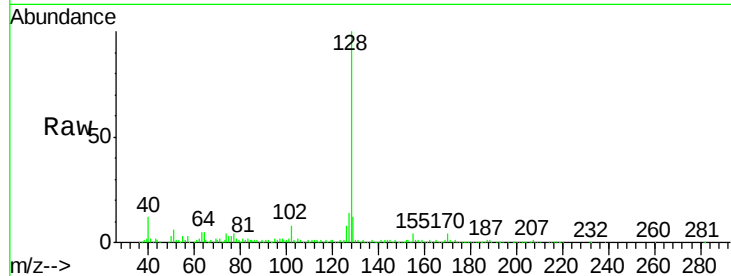




#95
Naphthalene
Concen: 22.770 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN054445.D
Acq: 19 Mar 2019 17:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 766593
Ion Ratio Lower Upper
128 100
127 13.6 10.1 15.1
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.305 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054445.D
Acq: 19 Mar 2019 17:28

Tgt Ion:180 Resp: 317085
Ion Ratio Lower Upper
180 100
182 97.4 47.5 142.6
145 36.4 14.8 44.3

