

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN040419\
 Data File : VN054947.D
 Acq On : 4 Apr 2019 15:07
 Operator : JC/SP
 Sample : VN0404WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBS01

Quant Time: Apr 05 03:16:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N040419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 02:23:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	429821	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	720721	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	622161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	258419	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	300354	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	
35) Dibromofluoromethane	7.59	113	242036	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
50) Toluene-d8	10.09	98	903452	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.40	95	296449	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	110444	21.489	ug/l	98
3) Chloromethane	2.06	50	137090	20.174	ug/l	98
4) Vinyl Chloride	2.19	62	120352	20.271	ug/l	98
5) Bromomethane	2.58	94	67899	20.034	ug/l	93
6) Chloroethane	2.71	64	66677	20.135	ug/l	100
7) Trichlorofluoromethane	3.02	101	150044	20.814	ug/l	97
8) Diethyl Ether	3.41	74	47895	20.861	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	75744	19.831	ug/l	98
10) Methyl Iodide	3.95	142	105254	19.550	ug/l	99
11) Tert butyl alcohol	4.82	59	33061	113.052	ug/l #	90
12) 1,1-Dichloroethene	3.73	96	74781	19.738	ug/l	98
13) Acrolein	3.61	56	45865	105.938	ug/l	96
14) Allyl chloride	4.32	41	177238	21.078	ug/l	98
15) Acrylonitrile	5.00	53	184937	105.457	ug/l	100
16) Acetone	3.82	43	155537	96.412	ug/l	99
17) Carbon Disulfide	4.04	76	238793	19.800	ug/l	99
18) Methyl Acetate	4.33	43	81273	21.130	ug/l	100
19) Methyl tert-butyl Ether	5.06	73	257608	20.962	ug/l	99
20) Methylene Chloride	4.54	84	105474	20.053	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	95092	20.096	ug/l	98
22) Diisopropyl ether	5.96	45	356513	20.644	ug/l	91
23) Vinyl Acetate	5.90	43	1274115	106.025	ug/l	99
24) 1,1-Dichloroethane	5.85	63	193672	20.565	ug/l	99
25) 2-Butanone	6.85	43	231473	108.777	ug/l	99
26) 2,2-Dichloropropane	6.82	77	133130	20.165	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	109433	20.387	ug/l	100
28) Bromochloromethane	7.20	49	89762	20.345	ug/l	97
29) Tetrahydrofuran	7.22	42	153106	109.771	ug/l	99
30) Chloroform	7.37	83	186322	20.876	ug/l	99
31) Cyclohexane	7.65	56	188675	20.210	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	151767	20.150	ug/l	99
36) 1,1-Dichloropropene	7.79	75	135154	18.926	ug/l	98
37) Ethyl Acetate	6.94	43	102767	20.970	ug/l	98
38) Carbon Tetrachloride	7.77	117	132047	19.147	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 02:23:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	156494	19.920	ug/l	97
40) Benzene	8.04	78	418204	20.352	ug/l	98
41) Methacrylonitrile	7.18	41	59730	21.316	ug/l	97
42) 1,2-Dichloroethane	8.13	62	143527	19.877	ug/l	99
43) Isopropyl Acetate	8.17	43	171386	20.751	ug/l	100
44) Trichloroethene	8.83	130	105640	20.106	ug/l	97
45) 1,2-Dichloropropane	9.12	63	116471	20.343	ug/l	99
46) Dibromomethane	9.21	93	65915	20.302	ug/l	99
47) Bromodichloromethane	9.40	83	133669	19.601	ug/l	97
48) Methyl methacrylate	9.20	41	85816	20.525	ug/l	99
49) 1,4-Dioxane	9.20	88	18277	433.088	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	483413	104.917	ug/l	98
52) Toluene	10.16	92	242361	20.010	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	123483	18.827	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	152154	19.824	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	89289	20.333	ug/l	99
56) Ethyl methacrylate	10.43	69	113417	19.753	ug/l	96
57) 1,3-Dichloropropane	10.71	76	158464	20.662	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	235967	98.727	ug/l	98
59) 2-Hexanone	10.75	43	306673	106.559	ug/l	98
60) Dibromochloromethane	10.90	129	89656	19.491	ug/l	99
61) 1,2-Dibromoethane	11.01	107	84956	20.575	ug/l	98
64) Tetrachloroethene	10.63	164	99866	19.902	ug/l	99
65) Chlorobenzene	11.43	112	256796	20.250	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	96531	20.790	ug/l	98
67) Ethyl Benzene	11.51	91	462155	20.212	ug/l	99
68) m/p-Xylenes	11.62	106	341605	40.869	ug/l	98
69) o-Xylene	11.95	106	162022	19.873	ug/l	97
70) Styrene	11.96	104	269334	20.595	ug/l	100
71) Bromoform	12.13	173	55575	19.914	ug/l #	100
73) Isopropylbenzene	12.25	105	437703	20.051	ug/l	99
74) N-amyl acetate	12.07	43	129635	21.365	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	107821	21.159	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	126142	30.252	ug/l #	100
77) Bromobenzene	12.53	156	107140	20.266	ug/l	96
78) n-propylbenzene	12.59	91	487203	20.257	ug/l	100
79) 2-Chlorotoluene	12.67	91	299744	20.110	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	362057	20.195	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21851	19.532	ug/l	92
82) 4-Chlorotoluene	12.77	91	285781	20.270	ug/l	99
83) tert-Butylbenzene	12.99	119	308825	20.250	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	347284	20.021	ug/l	98
85) sec-Butylbenzene	13.17	105	395258	20.037	ug/l	100
86) p-Isopropyltoluene	13.29	119	347821	20.464	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	173167	19.691	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	167546	20.013	ug/l	99
89) n-Butylbenzene	13.61	91	274672	20.221	ug/l	99
90) Hexachloroethane	13.87	117	55515	19.444	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	173946	20.146	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15470	20.703	ug/l	96

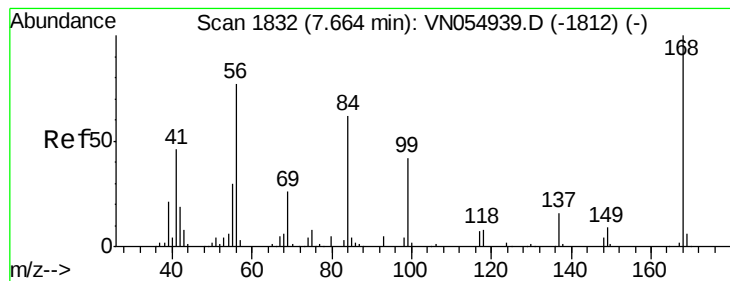
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN040419\
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Quant Title : SW846 8260
QLast Update : Fri Apr 05 02:23:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	76917	18.672	ug/l	99
94) Hexachlorobutadiene	15.01	225	56148	19.438	ug/l	97
95) Naphthalene	15.13	128	160828	18.367	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	79158	19.965	ug/l	98

(#) = 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: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

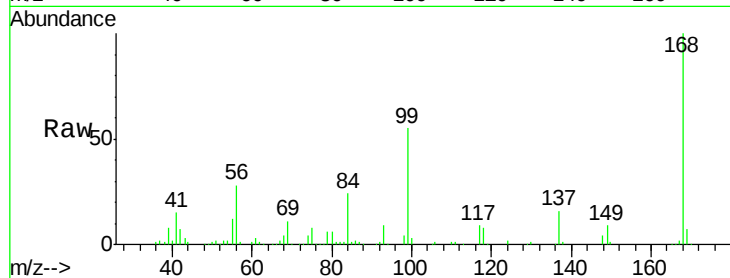
VN0404WBS01

Tgt Ion:168 Resp: 429821

Ion Ratio Lower Upper

168 100

99 54.2 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

150000

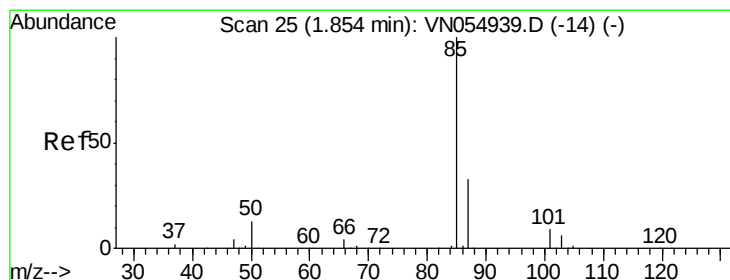
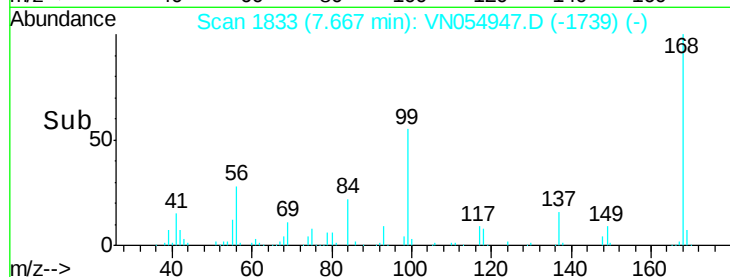
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.489 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054947.D

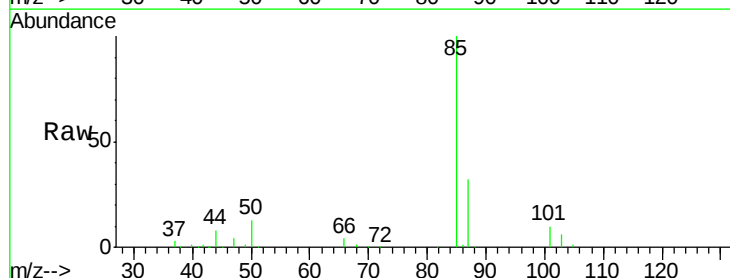
Acq: 4 Apr 2019 15:07

Tgt Ion: 85 Resp: 110444

Ion Ratio Lower Upper

85 100

87 31.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

80000

60000

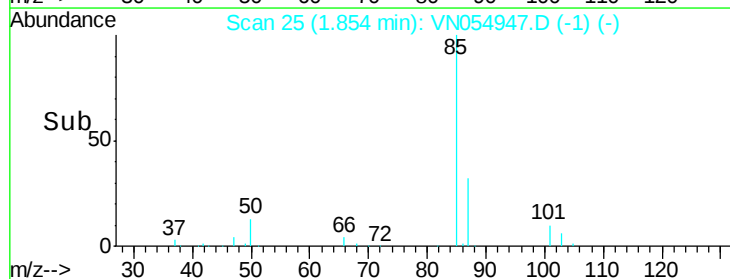
40000

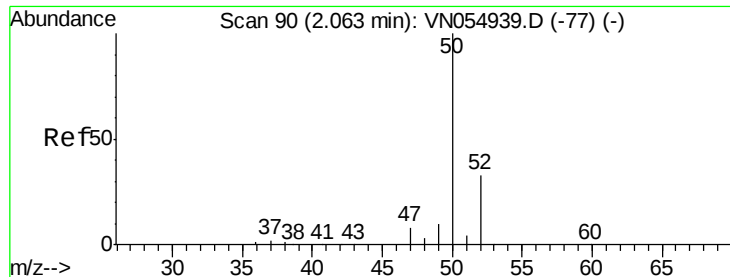
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.174 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampled :

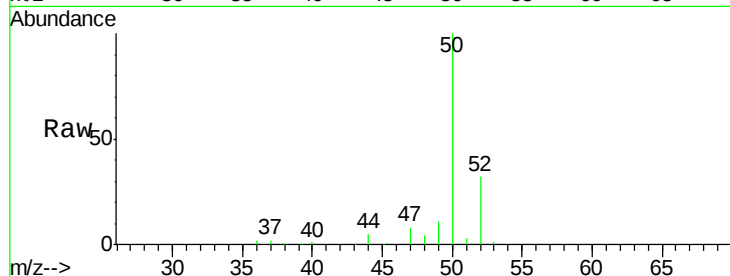
VN0404WBS01

Tgt Ion: 50 Resp: 137090

Ion Ratio Lower Upper

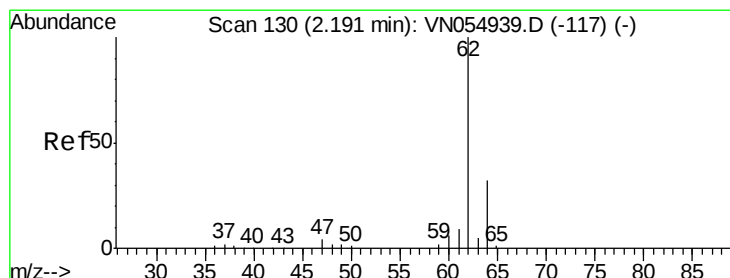
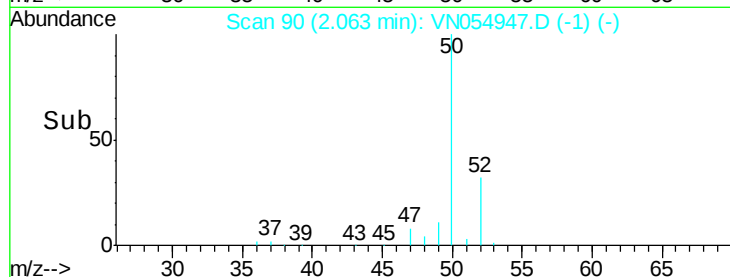
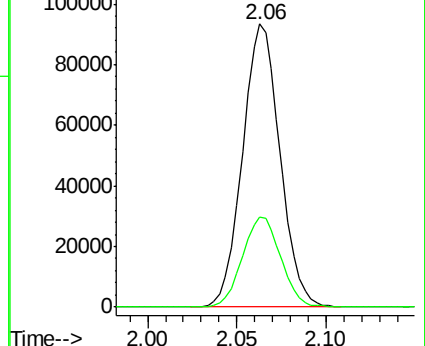
50 100

52 31.9 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.271 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054947.D

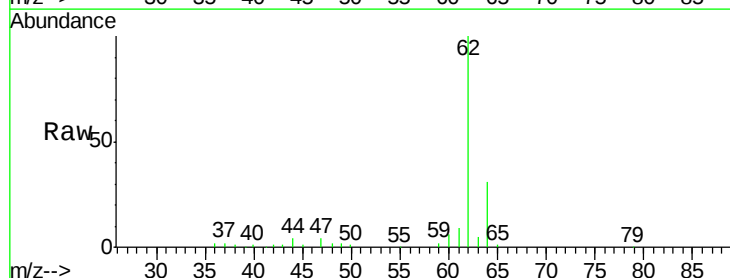
Acq: 4 Apr 2019 15:07

Tgt Ion: 62 Resp: 120352

Ion Ratio Lower Upper

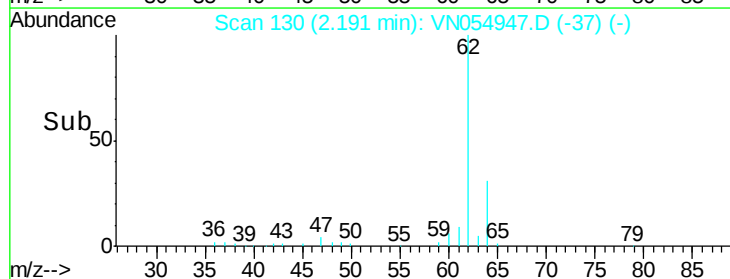
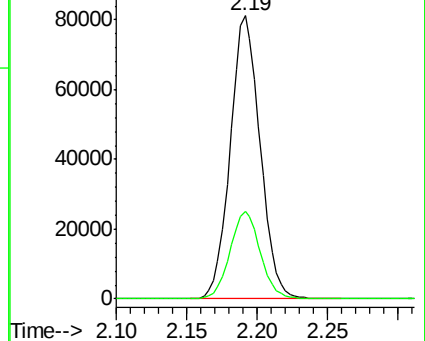
62 100

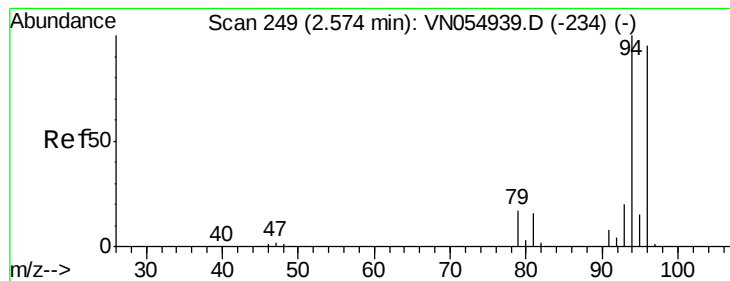
64 30.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 20.034 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

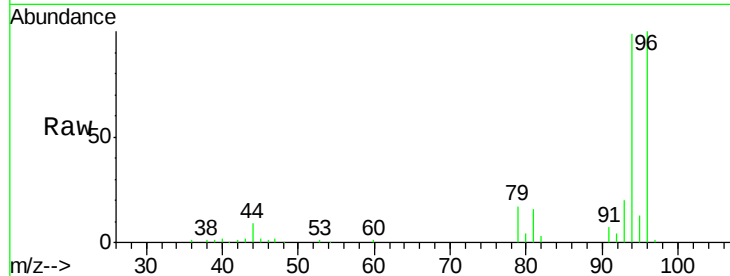
VN0404WBS01

Tgt Ion: 94 Resp: 67899

Ion Ratio Lower Upper

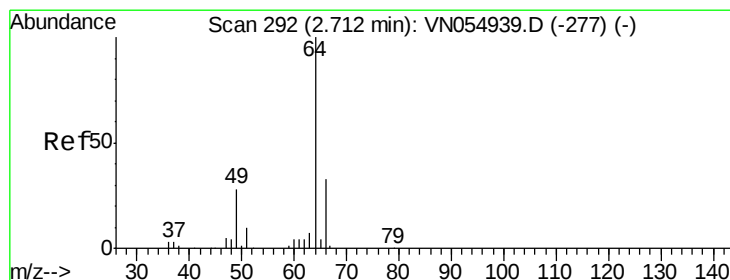
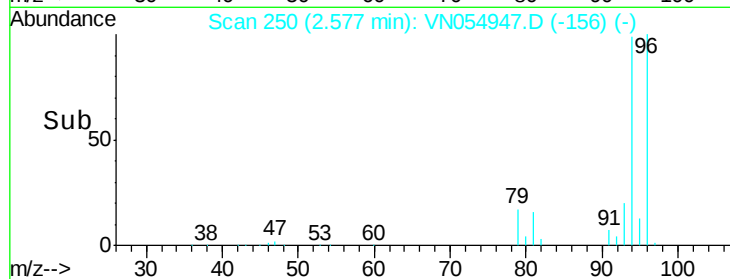
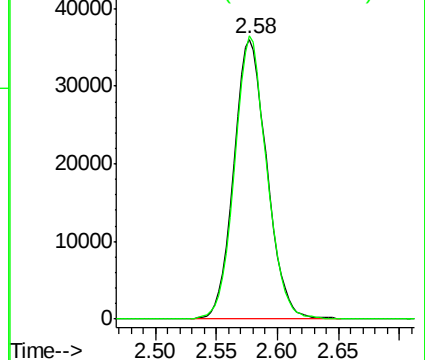
94 100

96 101.1 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.135 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054947.D

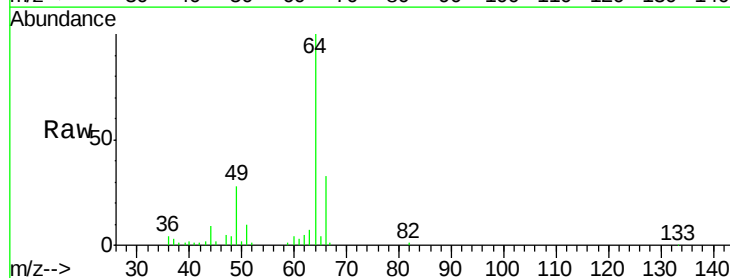
Acq: 4 Apr 2019 15:07

Tgt Ion: 64 Resp: 66677

Ion Ratio Lower Upper

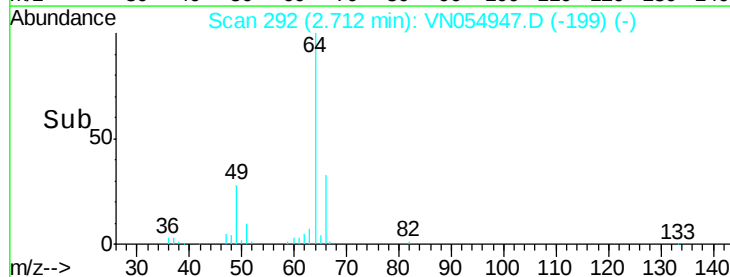
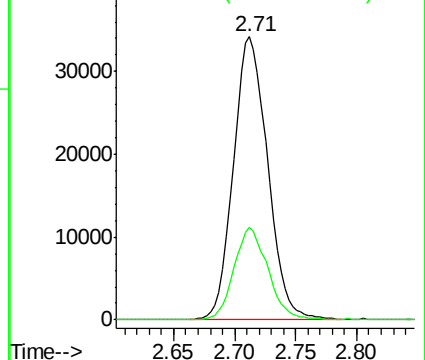
64 100

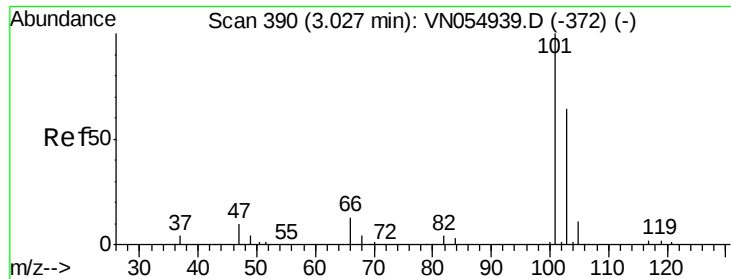
66 32.9 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



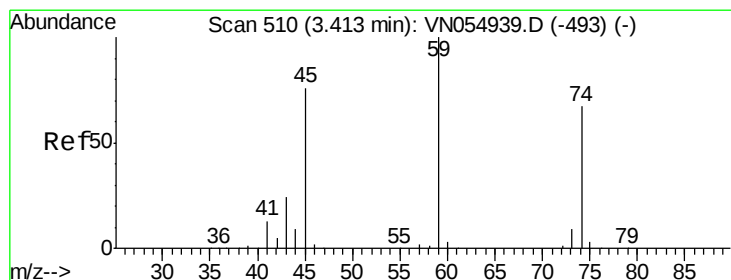
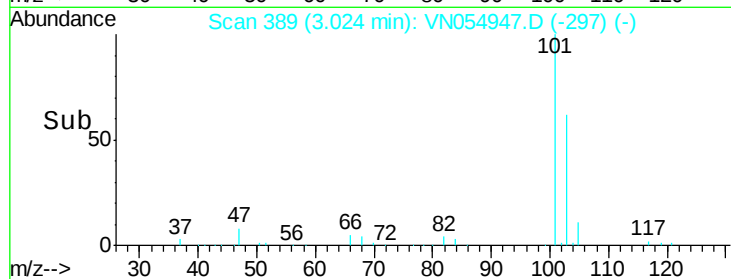
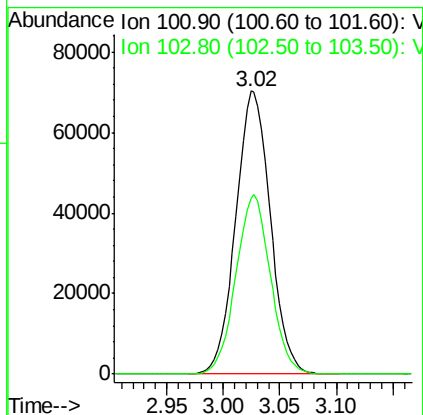
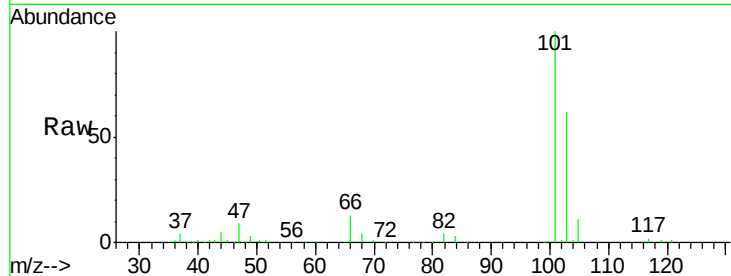


#7

Trichlorofluoromethane
 Concen: 20.814 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBS01

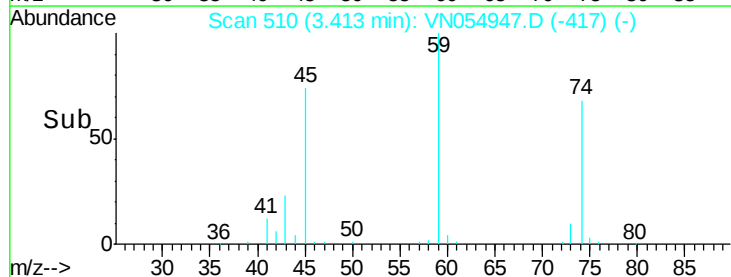
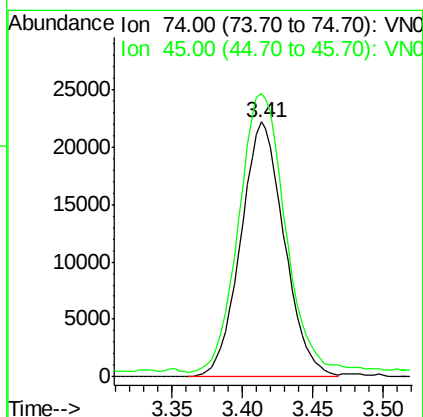
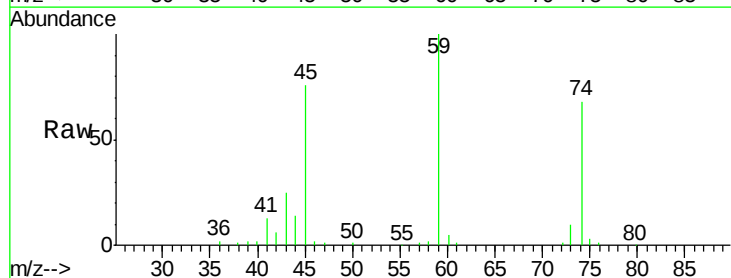
Tgt Ion:101 Resp: 150044
 Ion Ratio Lower Upper
 101 100
 103 62.1 51.3 76.9

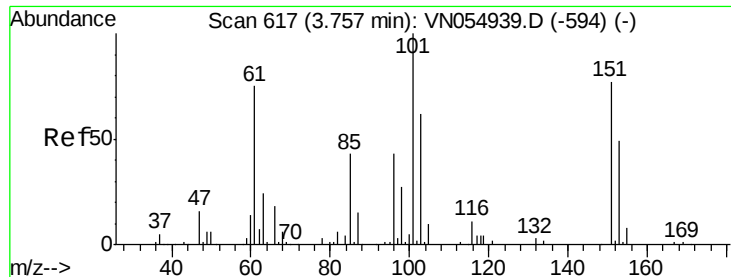


#8

Diethyl Ether
 Concen: 20.861 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Tgt Ion: 74 Resp: 47895
 Ion Ratio Lower Upper
 74 100
 45 117.9 56.3 168.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.831 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.01 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBS01

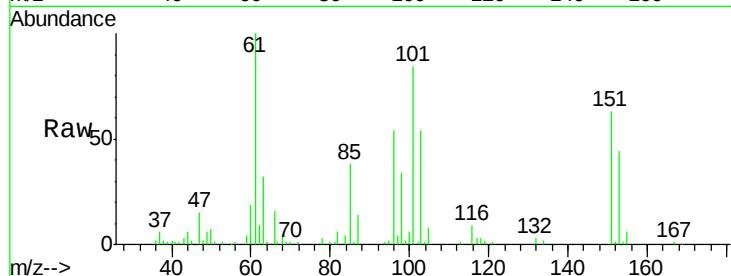
Tgt Ion:101 Resp: 75744

Ion Ratio Lower Upper

101 100

85 47.0 36.2 54.2

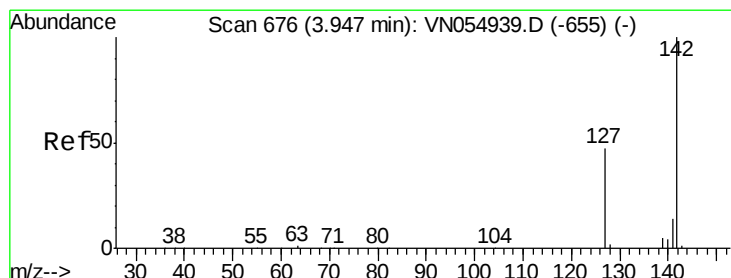
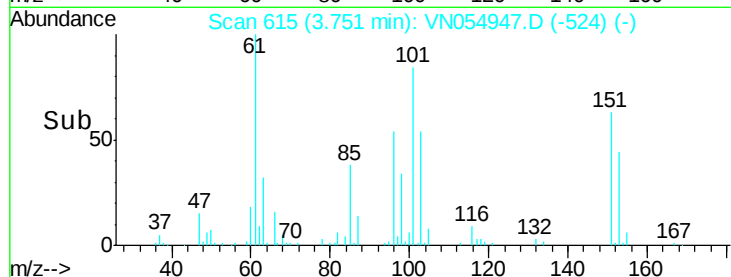
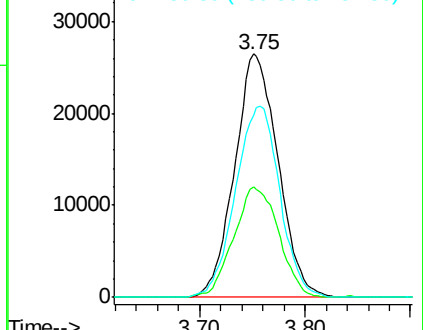
151 80.1 63.4 95.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.550 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

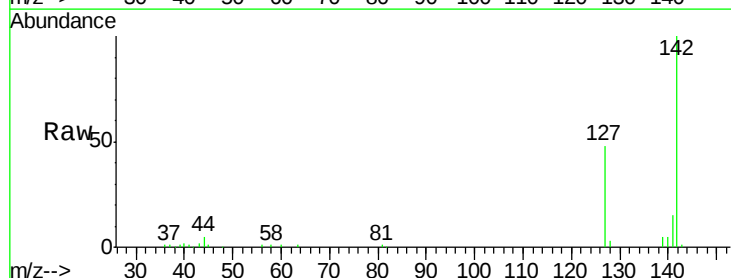
Tgt Ion:142 Resp: 105254

Ion Ratio Lower Upper

142 100

127 46.4 38.0 57.0

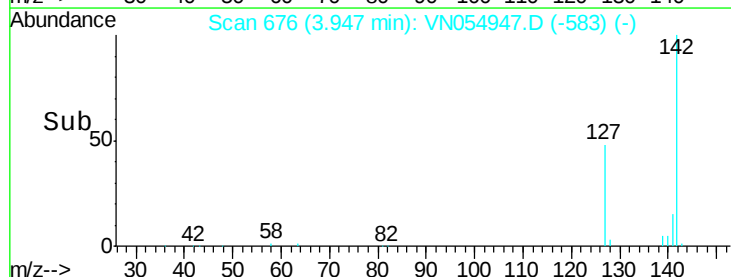
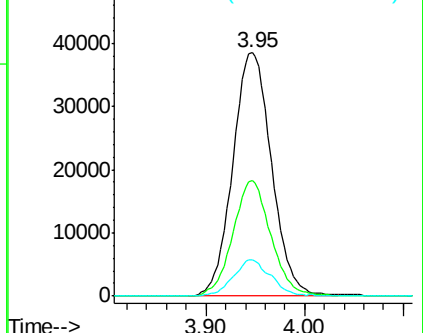
141 14.4 11.7 17.5

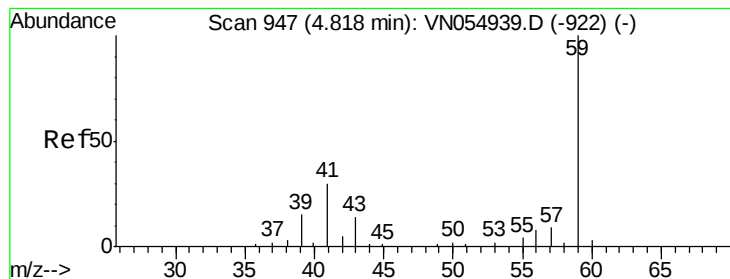


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



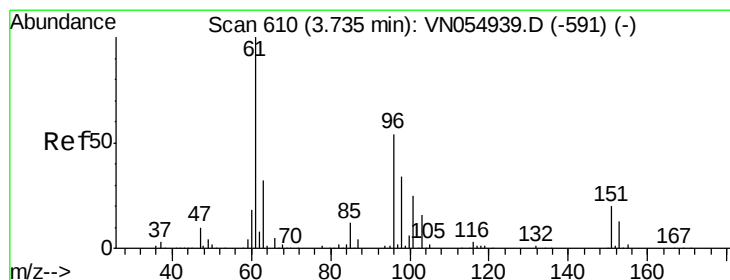
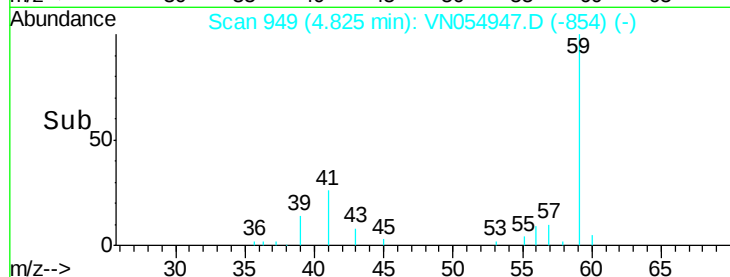
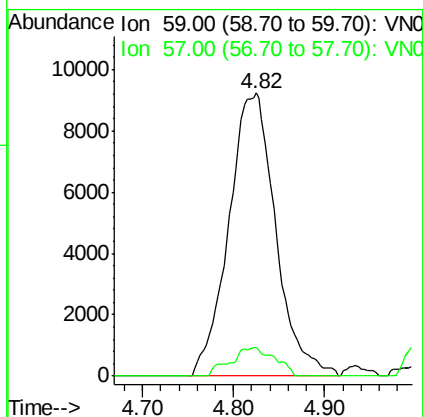
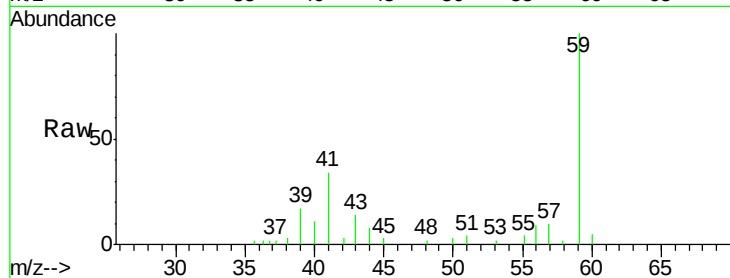


#11

Tert butyl alcohol
 Concen: 113.052 ug/l
 RT: 4.82 min Scan# 949
 Delta R.T. 0.01 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Instrument :
 MSVOA_N
 ClientSampled :
 VN0404WBS01

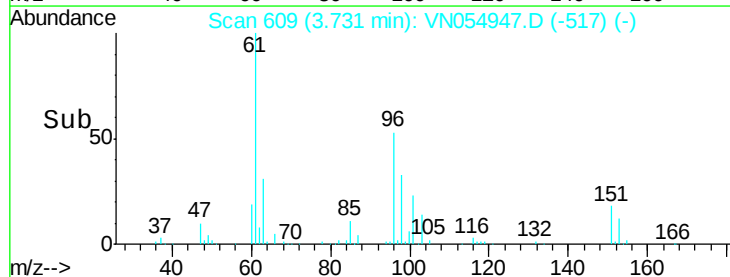
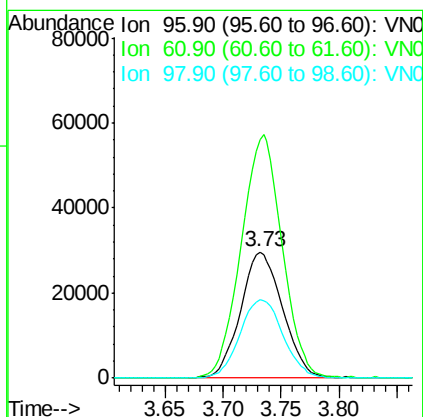
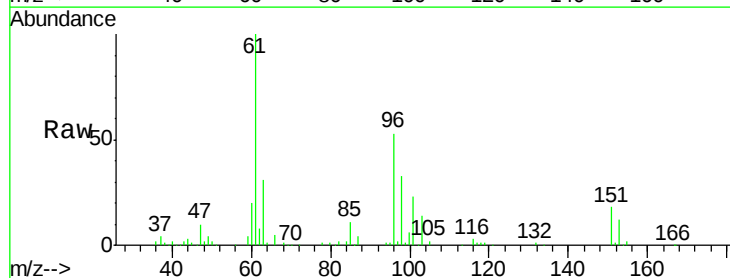
Tgt Ion: 59 Resp: 33061
 Ion Ratio Lower Upper
 59 100
 57 9.5 5.0 7.4#

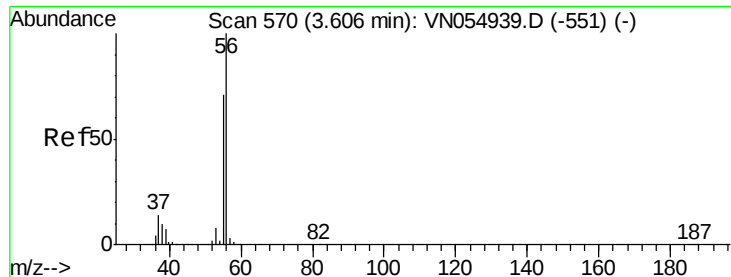


#12

1,1-Dichloroethene
 Concen: 19.738 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Tgt Ion: 96 Resp: 74781
 Ion Ratio Lower Upper
 96 100
 61 188.6 148.2 222.2
 98 62.2 50.2 75.4





#13

Acrolein

Concen: 105.938 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

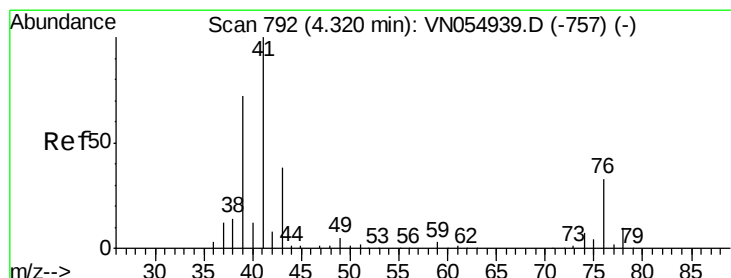
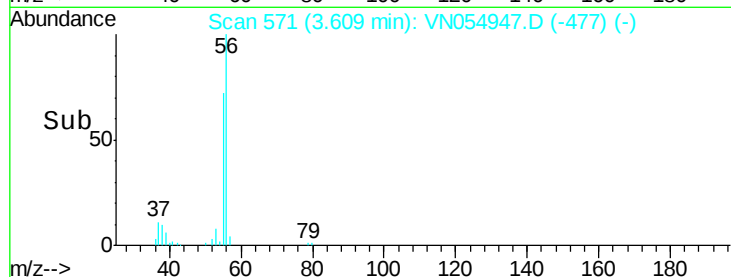
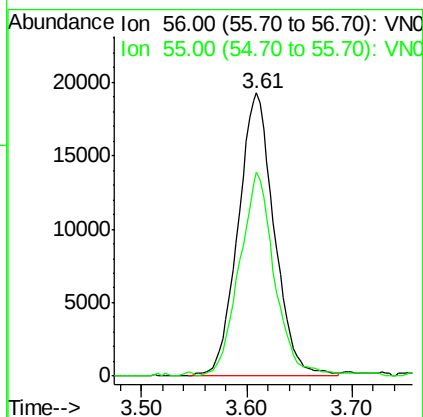
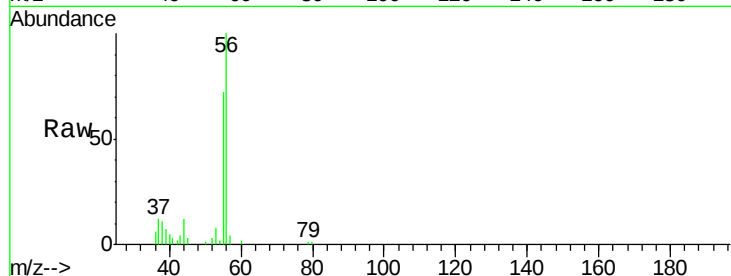
VN0404WBS01

Tgt Ion: 56 Resp: 45865

Ion Ratio Lower Upper

56 100

55 70.0 58.6 87.8



#14

Allyl chloride

Concen: 21.078 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

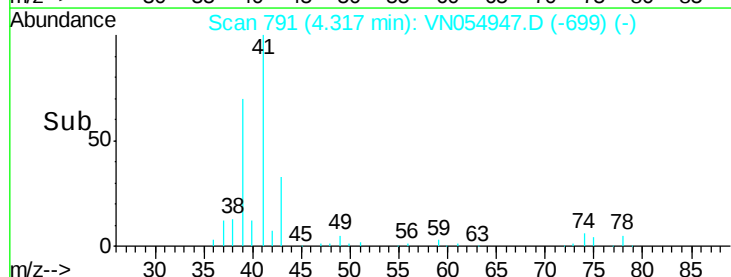
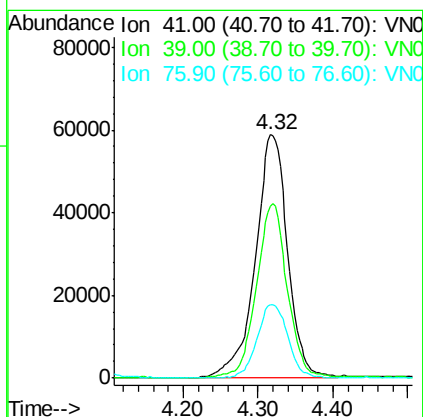
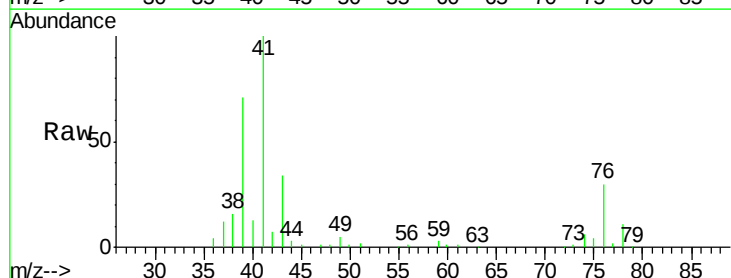
Tgt Ion: 41 Resp: 177238

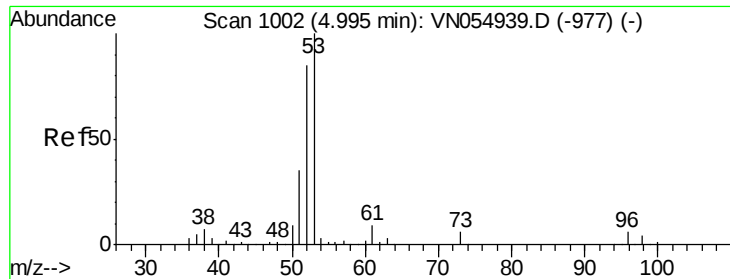
Ion Ratio Lower Upper

41 100

39 67.6 55.4 83.2

76 28.8 23.8 35.8

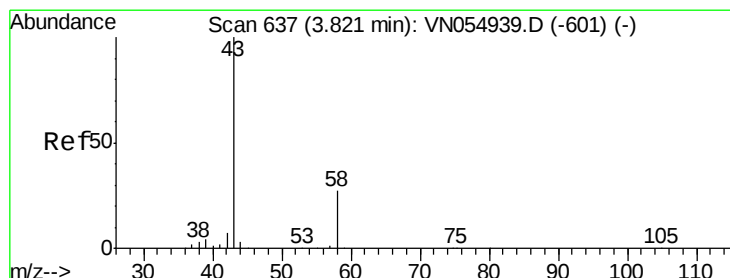
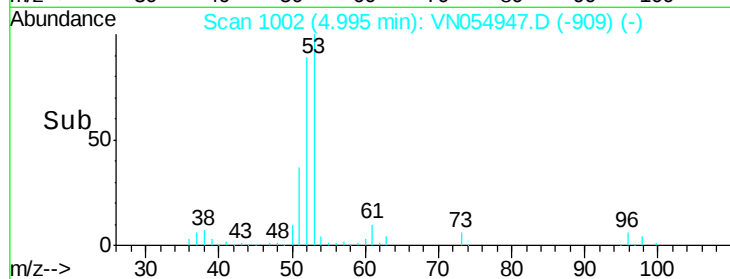
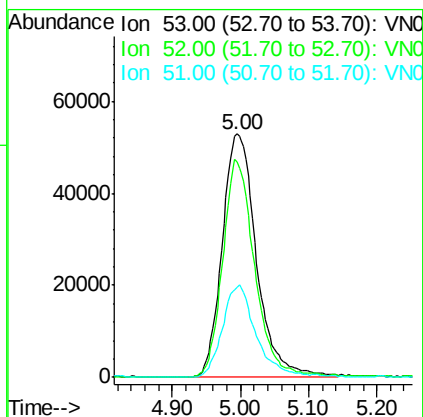
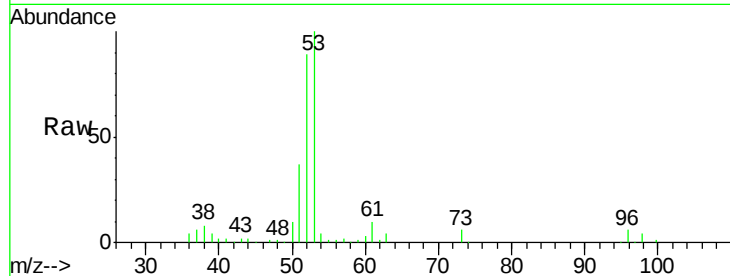




#15
 Acrylonitrile
 Concen: 105.457 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

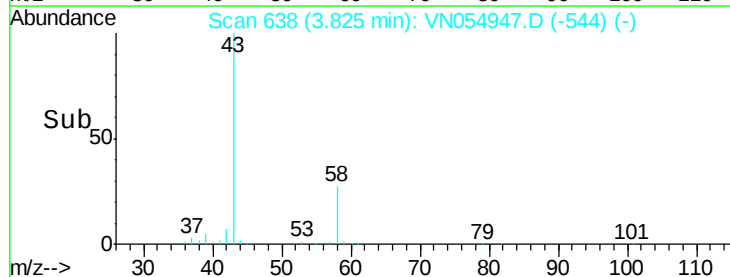
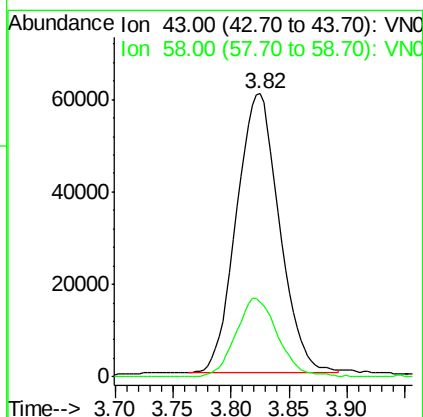
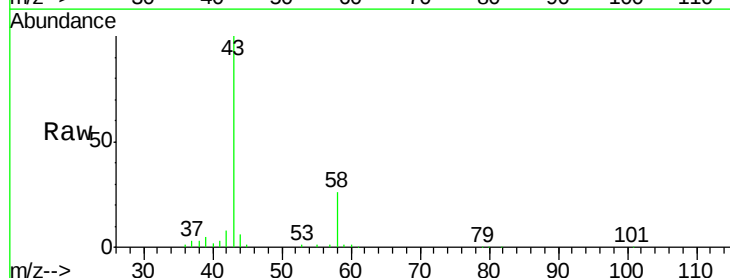
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBS01

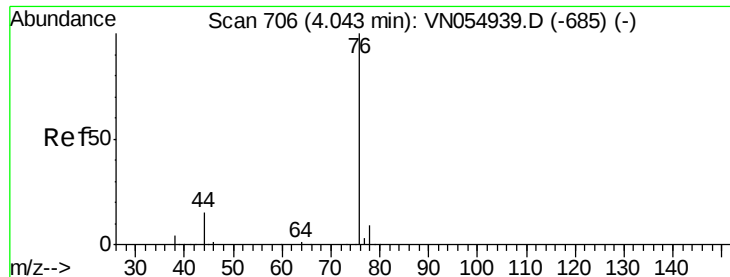
Tgt Ion: 53 Resp: 184937
 Ion Ratio Lower Upper
 53 100
 52 83.6 66.4 99.6
 51 36.9 29.5 44.3



#16
 Acetone
 Concen: 96.412 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Tgt Ion: 43 Resp: 155537
 Ion Ratio Lower Upper
 43 100
 58 26.7 21.7 32.5

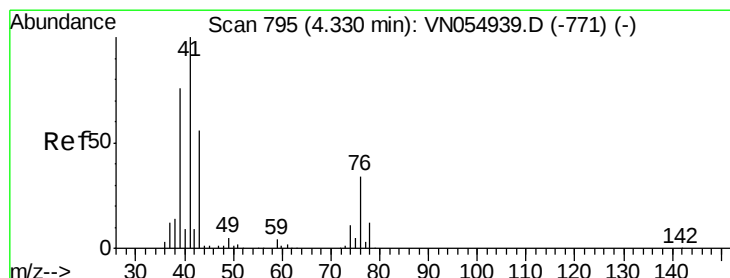
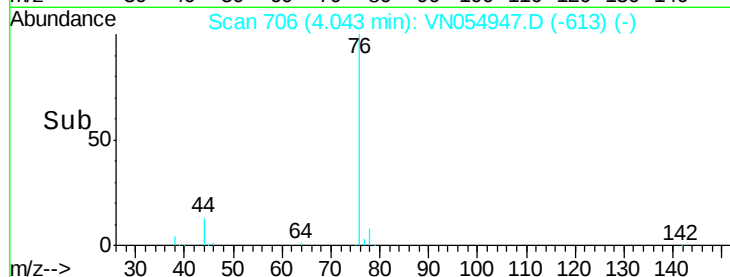
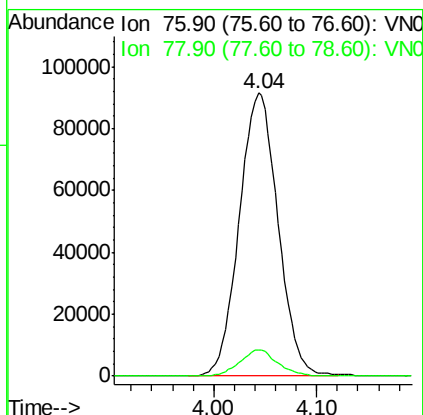
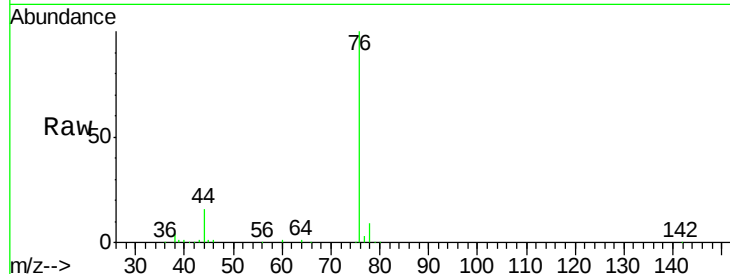




#17
Carbon Disulfide
Concen: 19.800 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

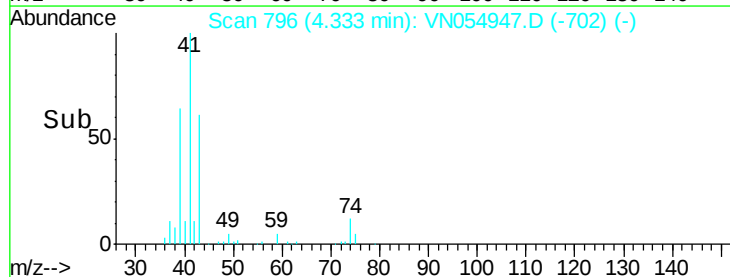
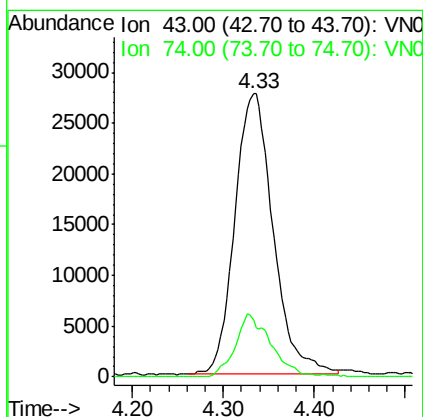
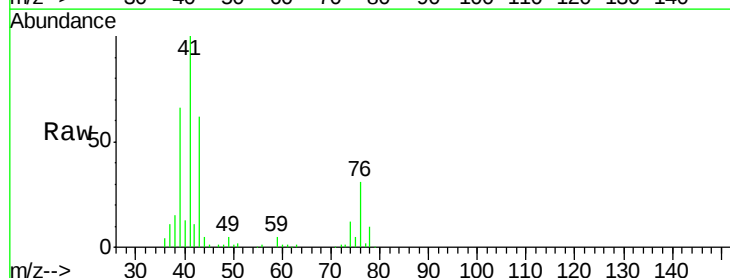
Instrument :
MSVOA_N
ClientSampleId :
VN0404WBS01

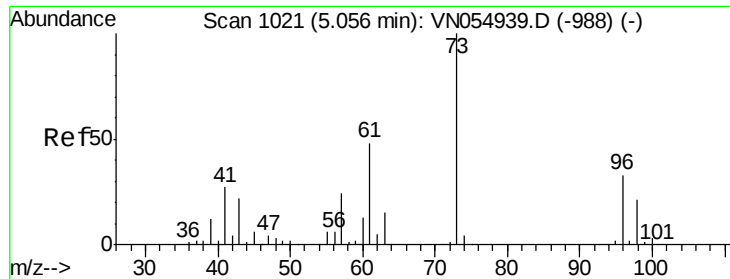
Tgt Ion: 76 Resp: 238793
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7



#18
Methyl Acetate
Concen: 21.130 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Tgt Ion: 43 Resp: 81273
Ion Ratio Lower Upper
43 100
74 20.6 16.4 24.6

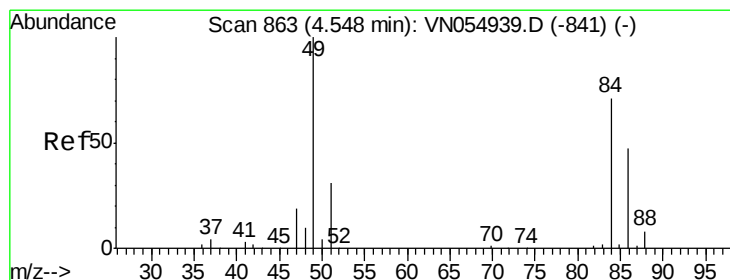
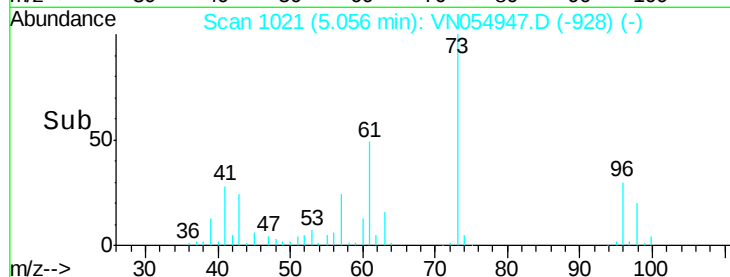
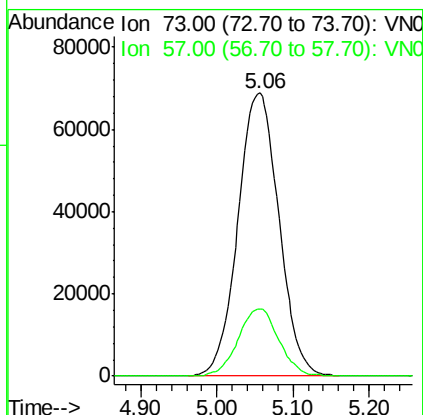
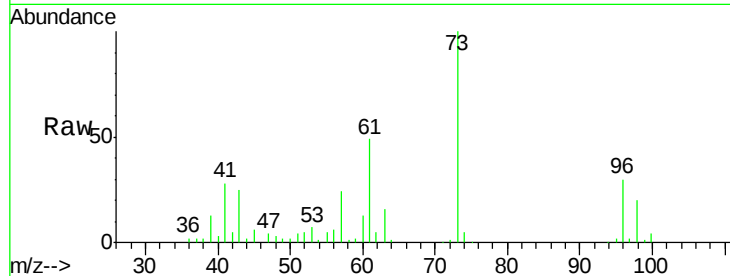




#19
Methyl tert-butyl Ether
Concen: 20.962 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

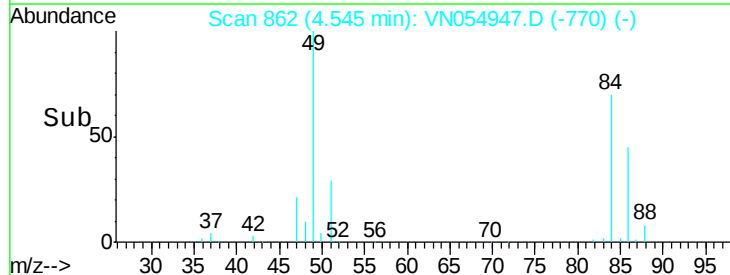
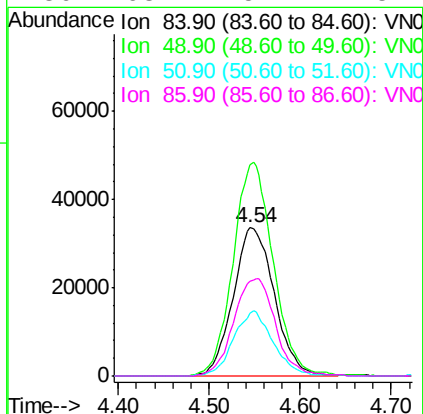
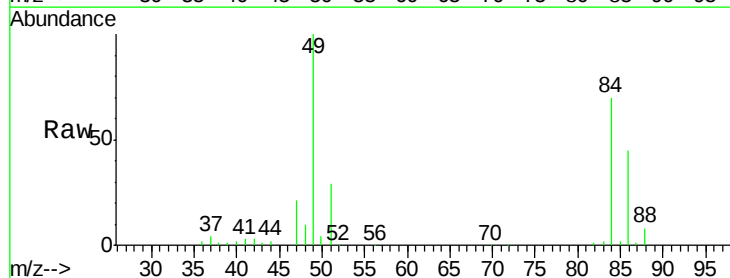
Instrument :
MSVOA_N
ClientSampleId :
VN0404WBS01

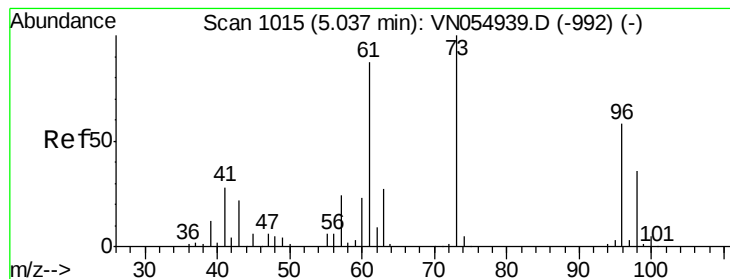
Tgt Ion: 73 Resp: 257608
Ion Ratio Lower Upper
73 100
57 23.8 19.5 29.3



#20
Methylene Chloride
Concen: 20.053 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Tgt Ion: 84 Resp: 105474
Ion Ratio Lower Upper
84 100
49 142.1 112.1 168.1
51 41.9 34.5 51.7
86 63.7 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 20.096 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBS01

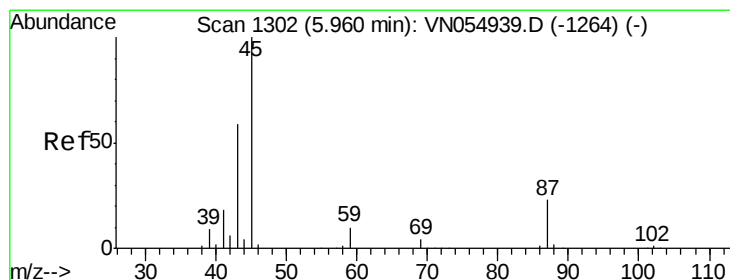
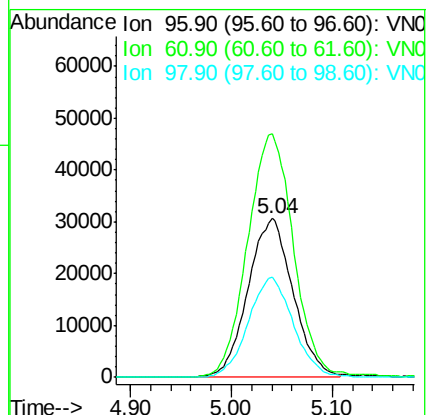
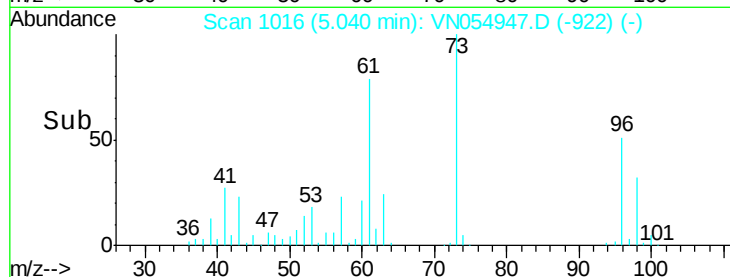
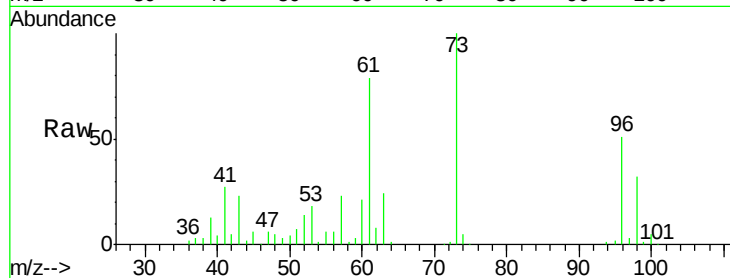
Tgt Ion: 96 Resp: 95092

Ion Ratio Lower Upper

96 100

61 153.4 120.1 180.1

98 62.8 49.3 73.9



#22

Diisopropyl ether

Concen: 20.644 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Tgt Ion: 45 Resp: 356513

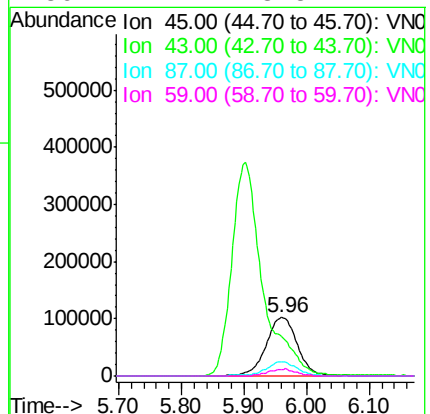
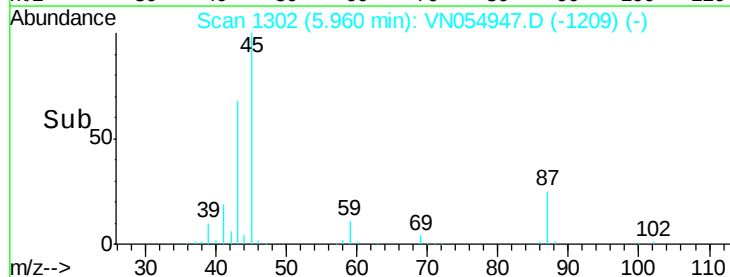
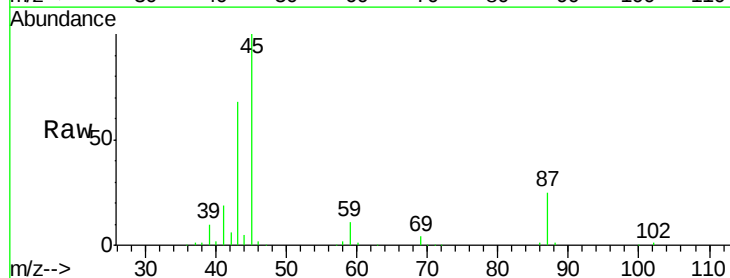
Ion Ratio Lower Upper

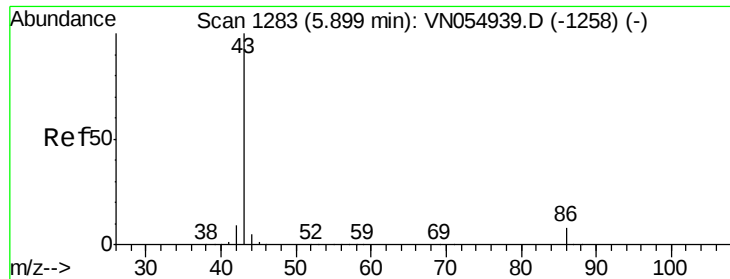
45 100

43 67.7 46.9 70.3

87 24.6 18.6 28.0

59 11.1 8.5 12.7

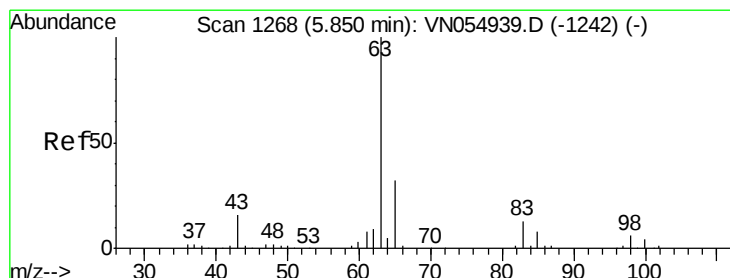
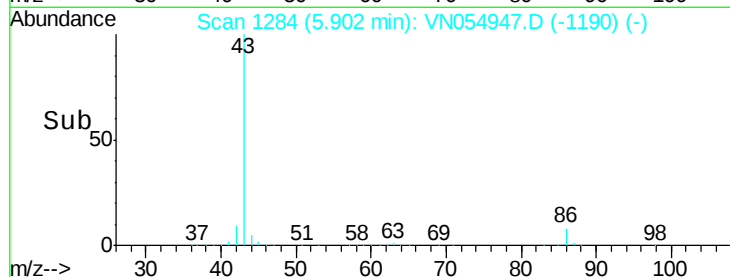
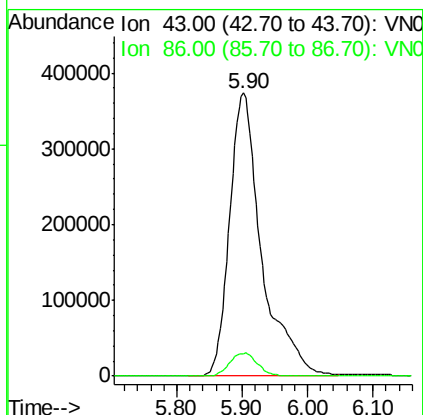
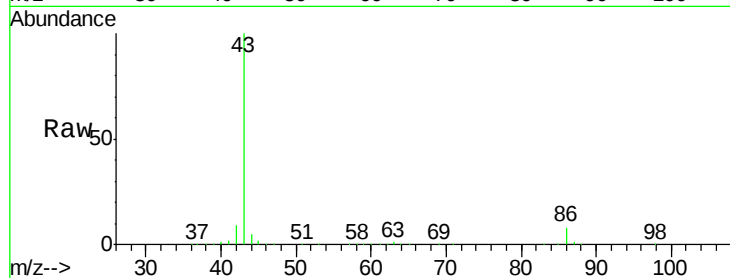




#23
 Vinyl Acetate
 Concen: 106.025 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

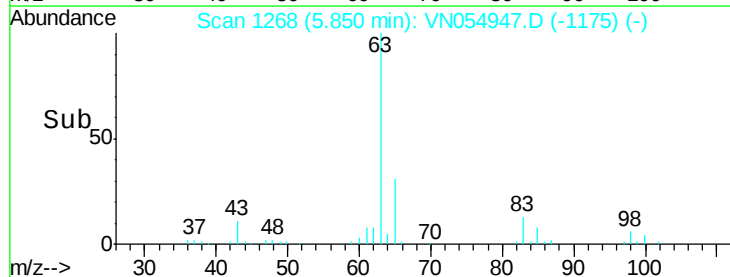
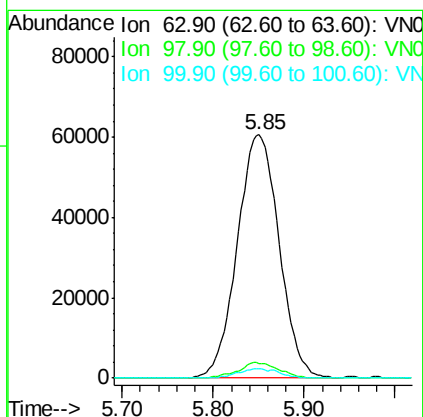
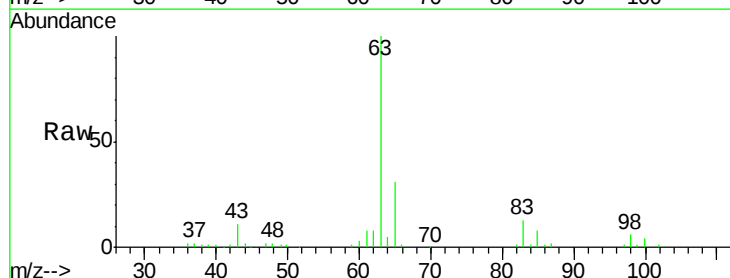
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBS01

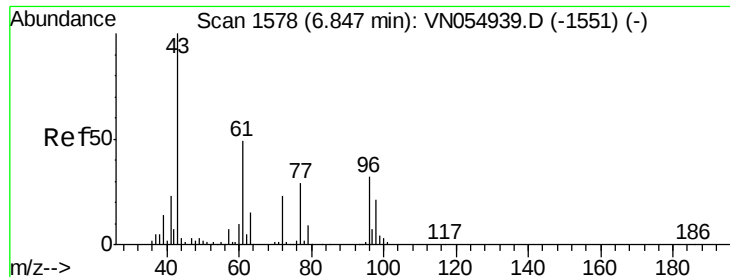
Tgt Ion: 43 Resp: 1274115
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.7 10.1



#24
 1,1-Dichloroethane
 Concen: 20.565 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Tgt Ion: 63 Resp: 193672
 Ion Ratio Lower Upper
 63 100
 98 6.2 2.9 8.7
 100 3.9 2.1 6.2

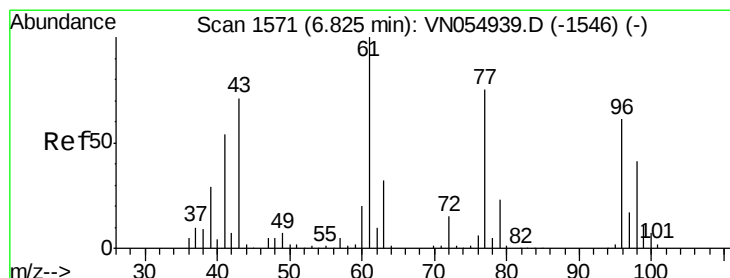
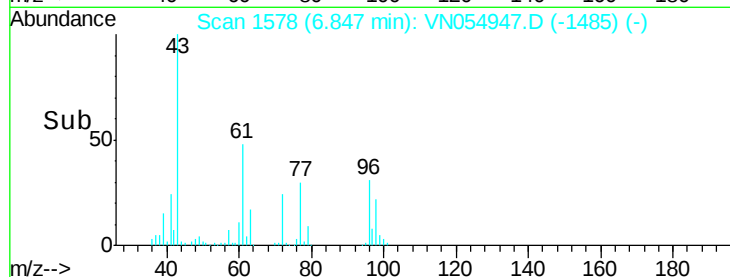
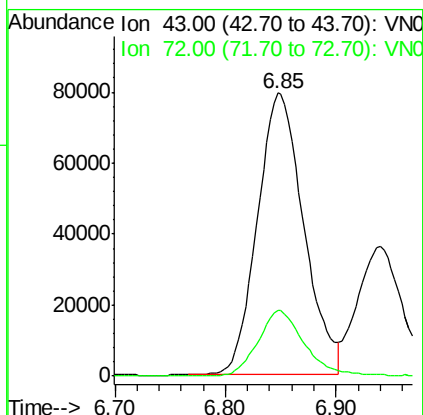
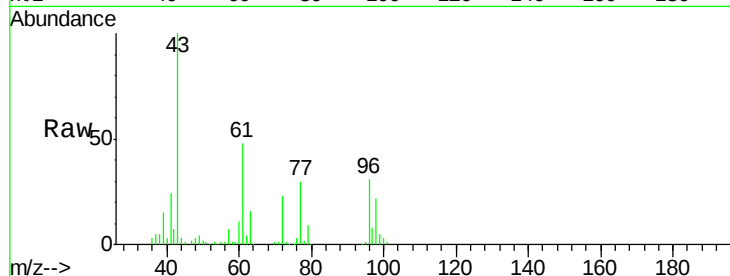




#25
2-Butanone
Concen: 108.777 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

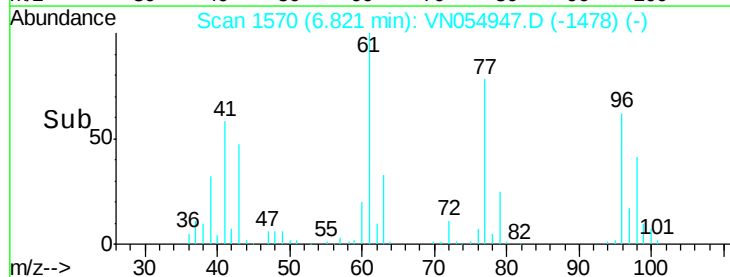
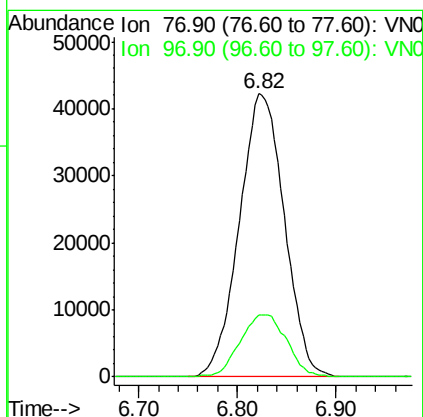
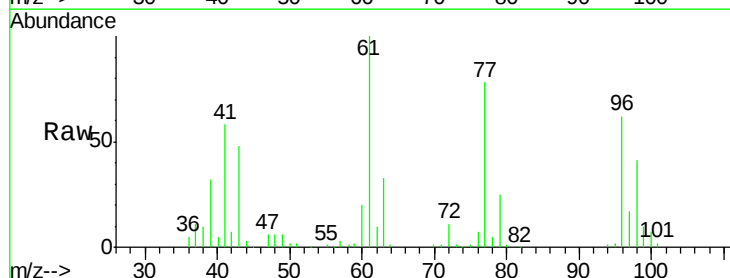
Instrument :
MSVOA_N
ClientSampleId :
VN0404WBS01

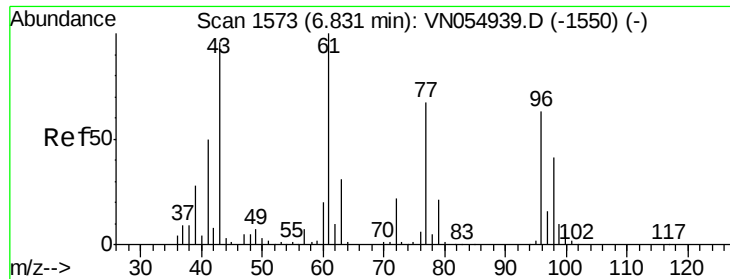
Tgt Ion: 43 Resp: 231473
Ion Ratio Lower Upper
43 100
72 23.5 18.3 27.5



#26
2,2-Dichloropropane
Concen: 20.165 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Tgt Ion: 77 Resp: 133130
Ion Ratio Lower Upper
77 100
97 22.6 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 20.387 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBS01

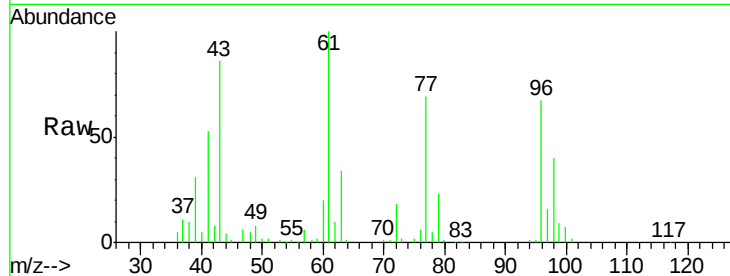
Tgt Ion: 96 Resp: 109433

Ion Ratio Lower Upper

96 100

61 157.3 0.0 316.2

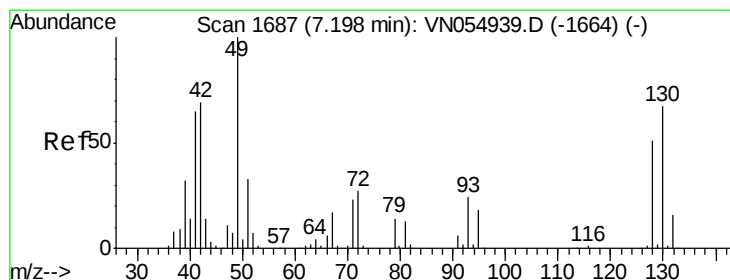
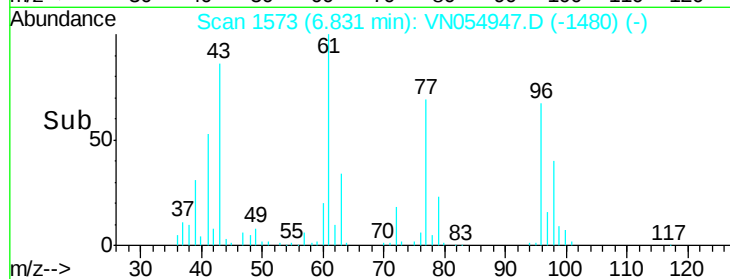
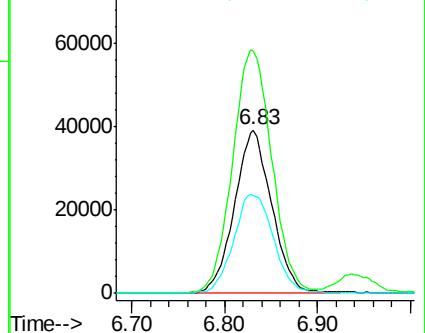
98 64.8 0.0 129.6



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: 20.345 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

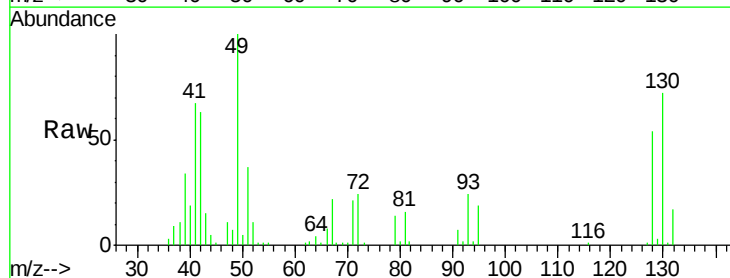
Tgt Ion: 49 Resp: 89762

Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.8

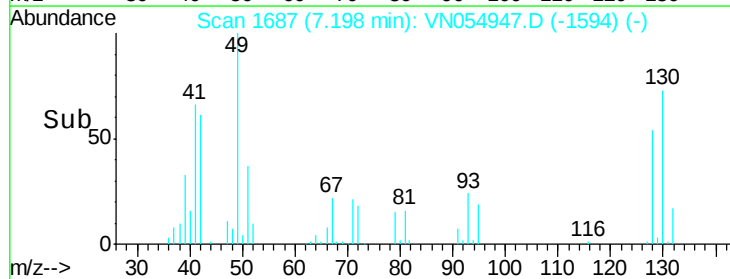
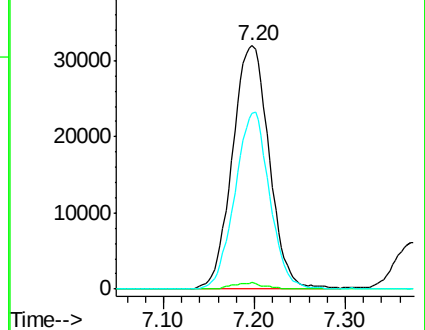
130 68.4 53.1 79.7

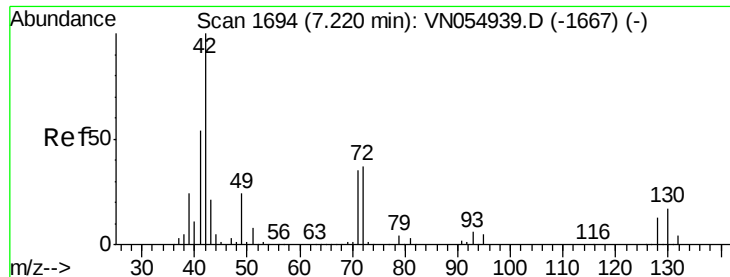


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

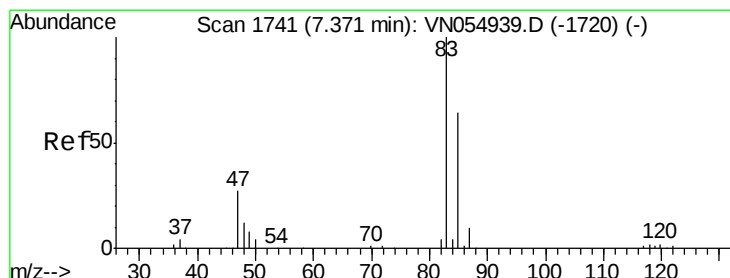
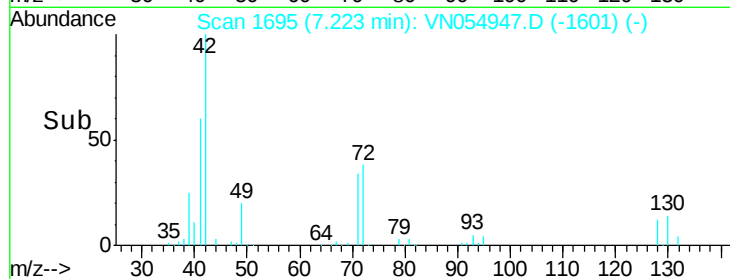
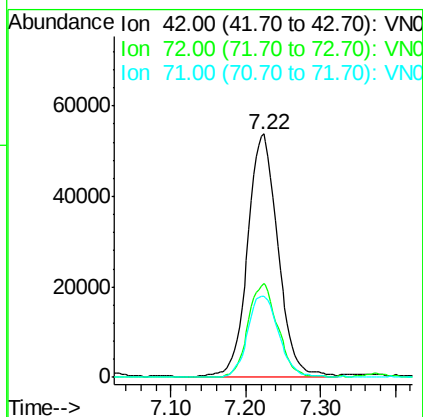
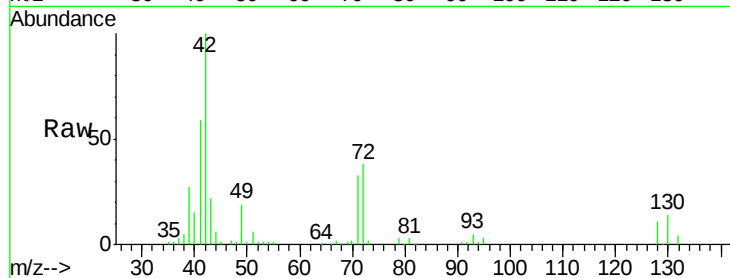




#29
Tetrahydrofuran
Concen: 109.771 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

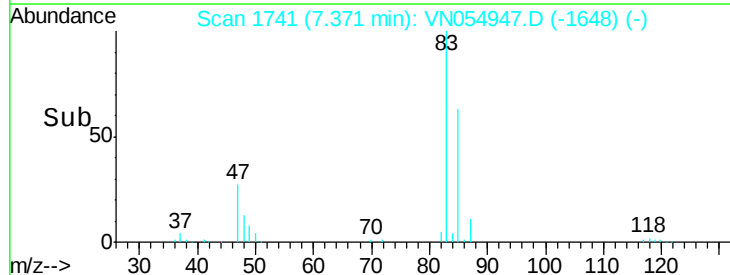
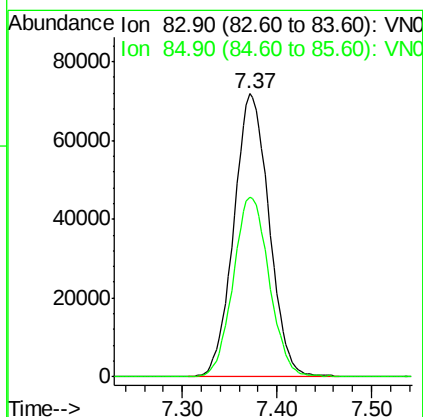
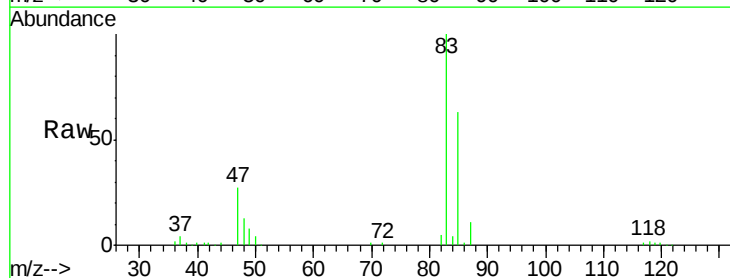
Instrument :
MSVOA_N
ClientSampled :
VN0404WBS01

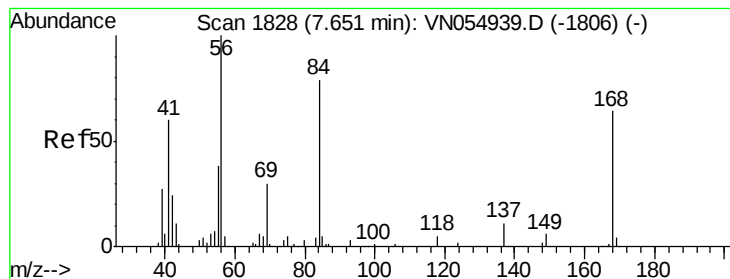
Tgt Ion: 42 Resp: 153106
Ion Ratio Lower Upper
42 100
72 37.3 29.3 43.9
71 34.1 27.8 41.6



#30
Chloroform
Concen: 20.876 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Tgt Ion: 83 Resp: 186322
Ion Ratio Lower Upper
83 100
85 63.3 51.4 77.0





#31

Cyclohexane

Concen: 20.210 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampled :

VN0404WBS01

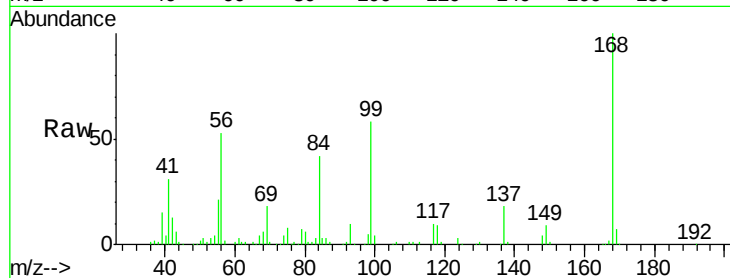
Tgt Ion: 56 Resp: 188675

Ion Ratio Lower Upper

56 100

69 34.5 23.8 35.6

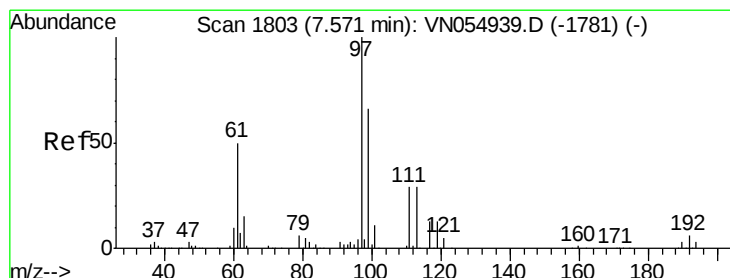
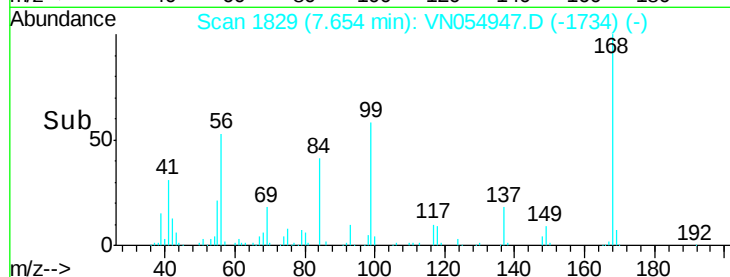
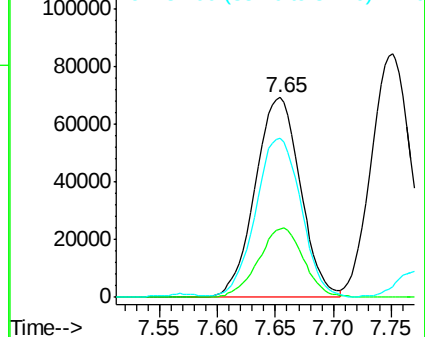
84 78.4 61.8 92.8



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: 20.150 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

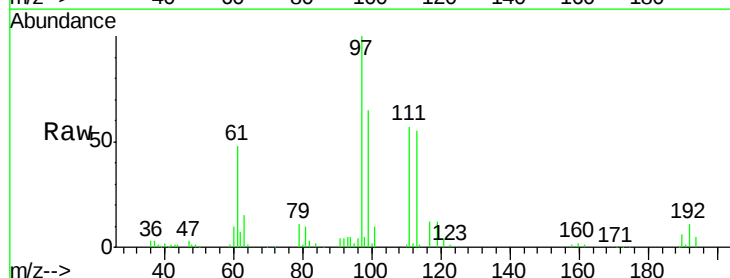
Tgt Ion: 97 Resp: 151767

Ion Ratio Lower Upper

97 100

99 64.1 52.1 78.1

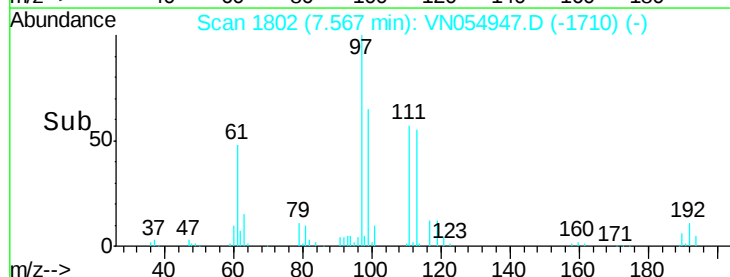
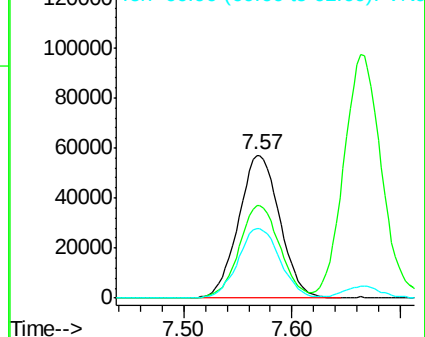
61 49.5 39.6 59.4

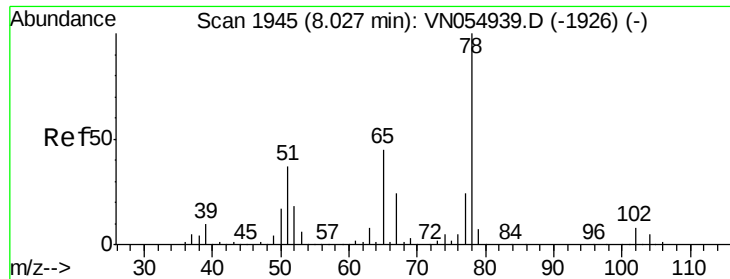


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

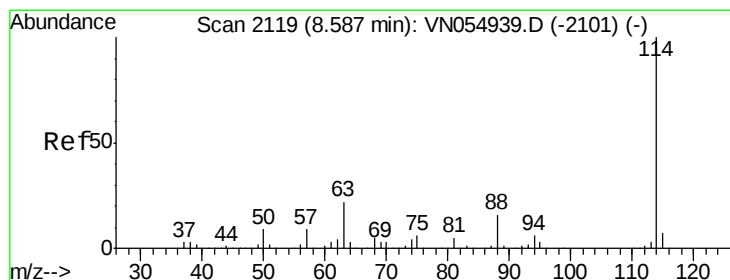
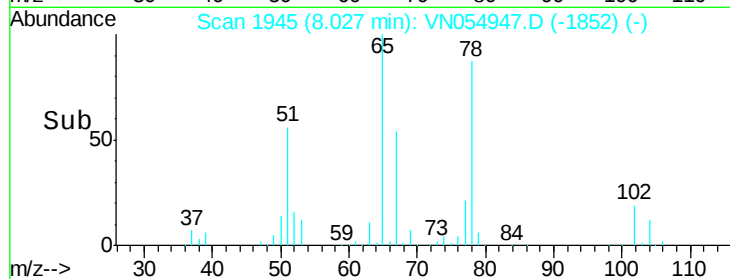
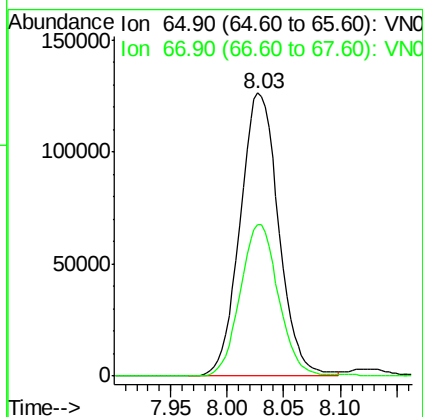
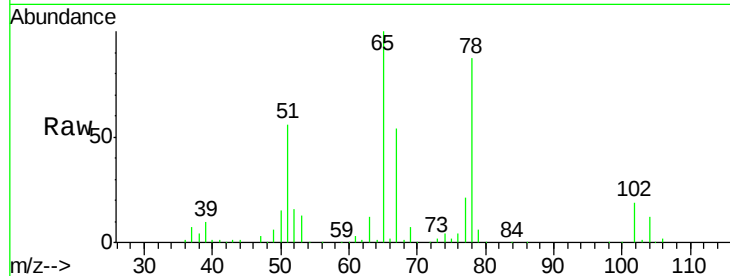




#33
 1,2-Dichloroethane-d4
 Concen: 53.000 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

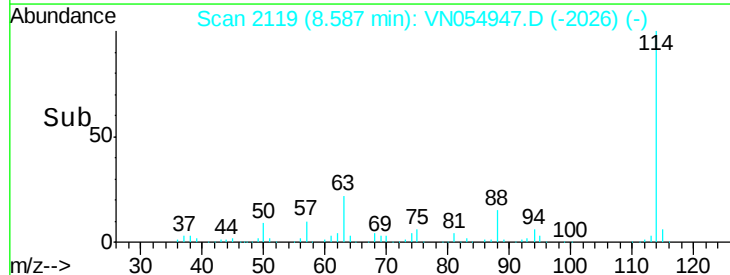
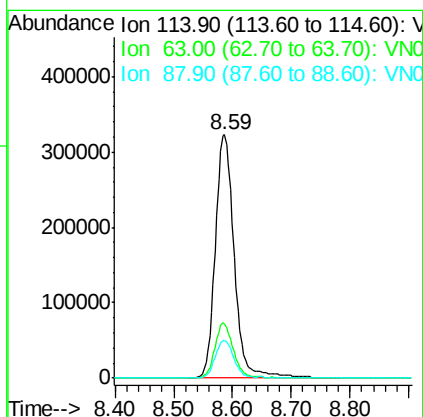
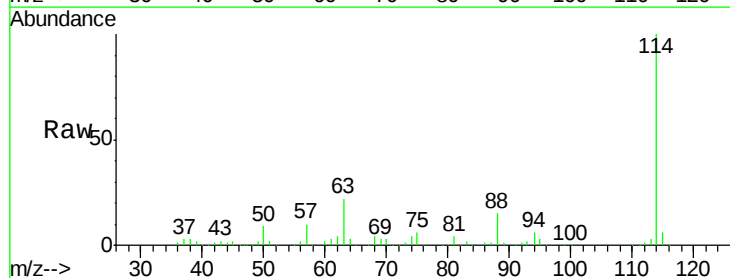
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBS01

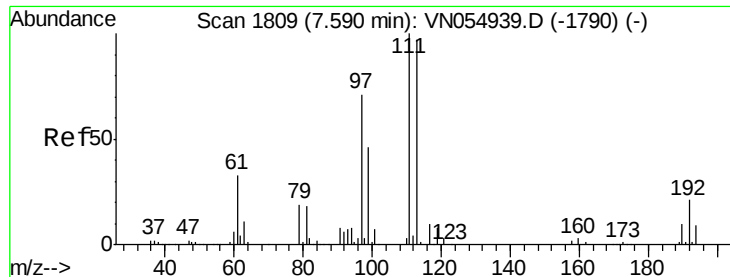
Tgt Ion: 65 Resp: 300354
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Tgt Ion: 114 Resp: 720721
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 44.6
 88 15.4 0.0 32.0

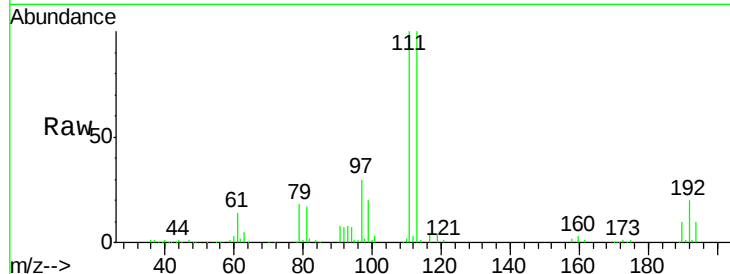




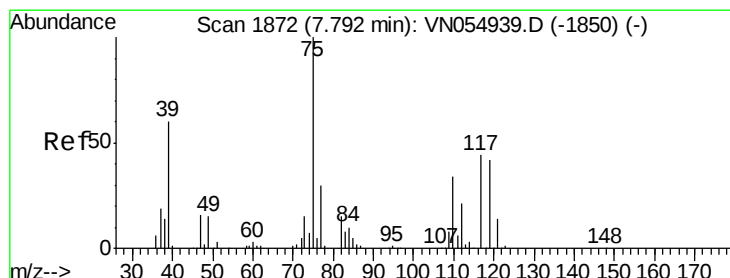
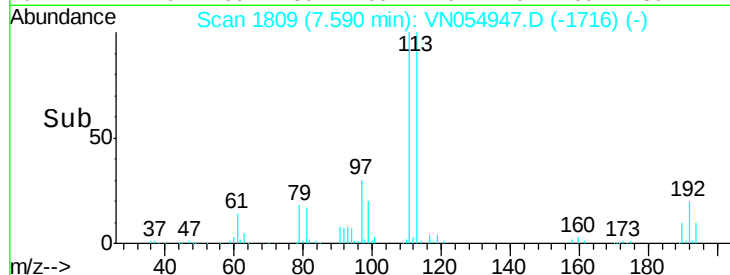
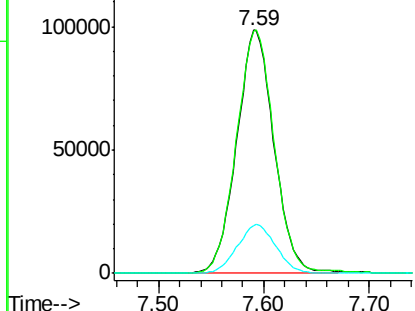
#35
 Dibromofluoromethane
 Concen: 51.589 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Instrument :
 MSVOA_N
 ClientSampled :
 VN0404WBS01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.6	81.0	121.4
192	20.8	16.5	24.7

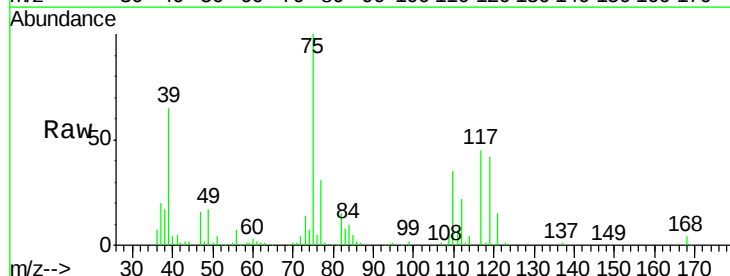


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

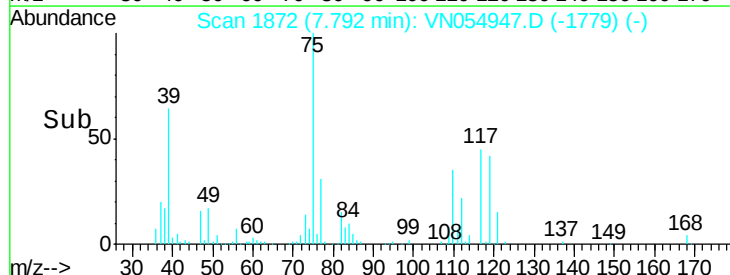
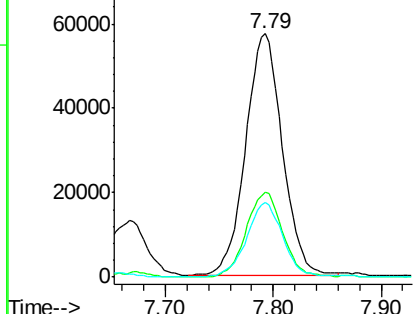


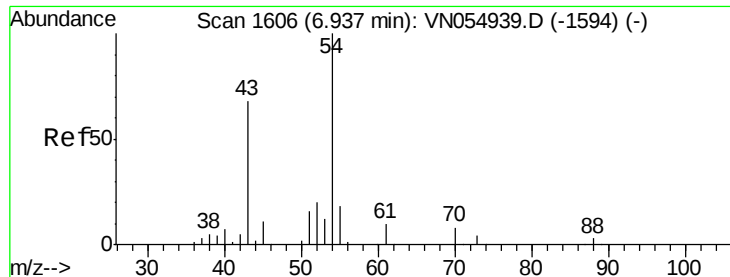
#36
 1,1-Dichloropropene
 Concen: 18.926 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.0	50.9
77	30.5	25.3	37.9



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

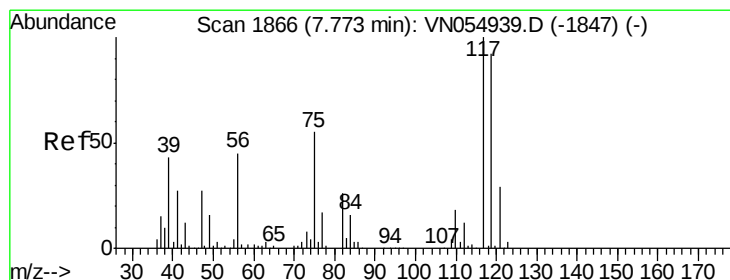
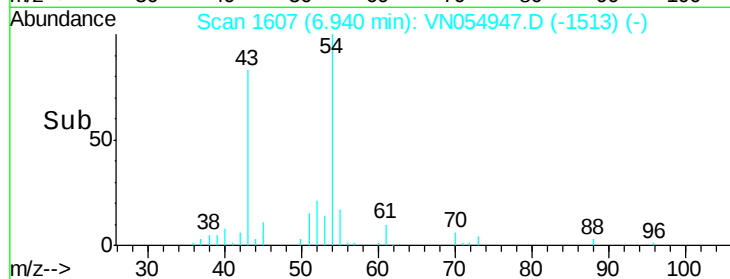
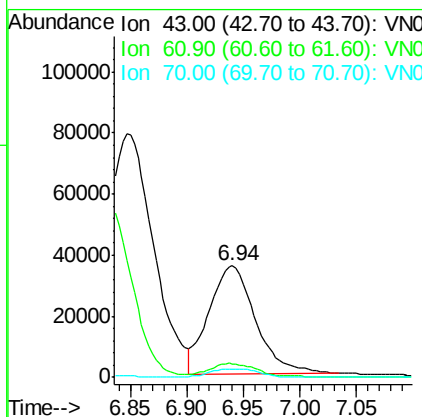
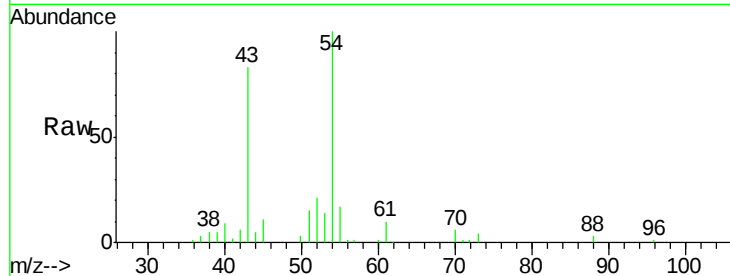




#37
 Ethyl Acetate
 Concen: 20.970 ug/l
 RT: 6.94 min Scan# 1607
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

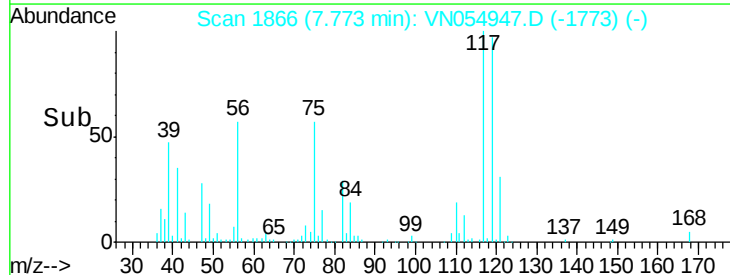
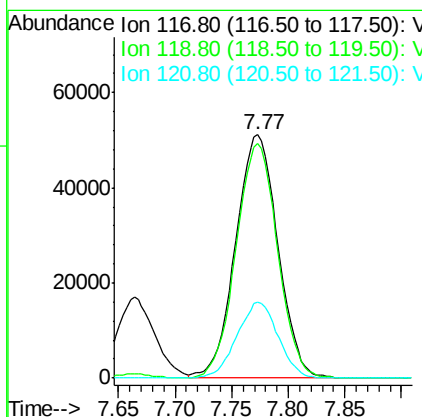
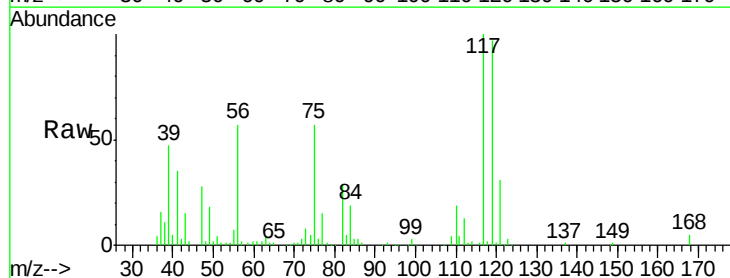
Instrument :
 MSVOA_N
 ClientSampled :
 VN0404WBS01

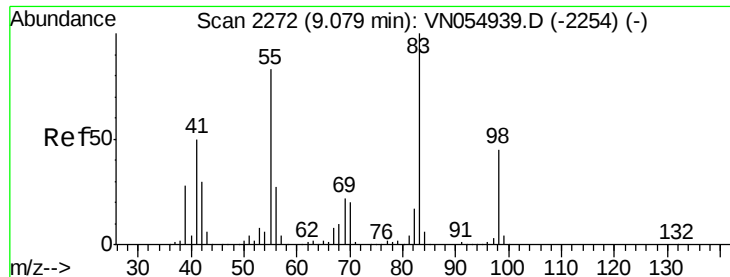
Tgt Ion: 43 Resp: 102767
 Ion Ratio Lower Upper
 43 100
 61 12.0 10.3 15.5
 70 8.3 7.0 10.4



#38
 Carbon Tetrachloride
 Concen: 19.147 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Tgt Ion: 117 Resp: 132047
 Ion Ratio Lower Upper
 117 100
 119 96.9 73.6 110.4
 121 31.2 23.4 35.0

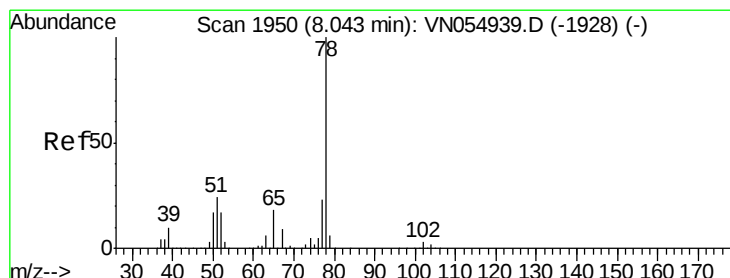
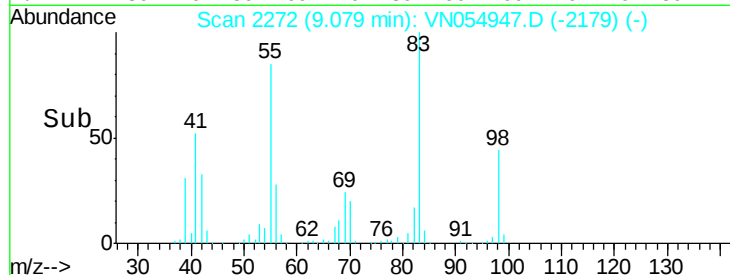
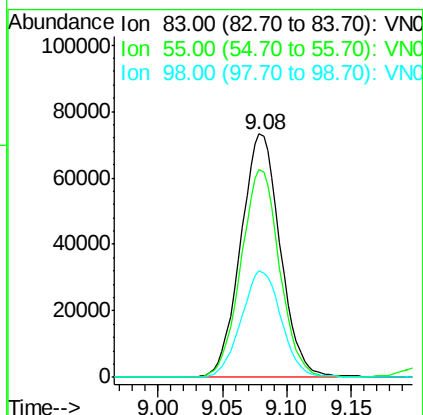
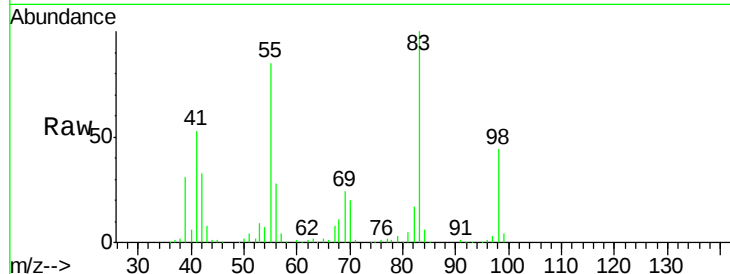




#39
Methylcyclohexane
Concen: 19.920 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

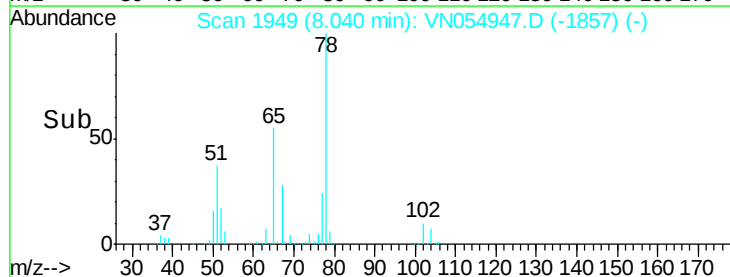
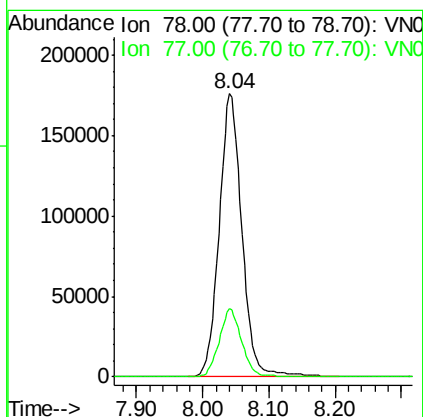
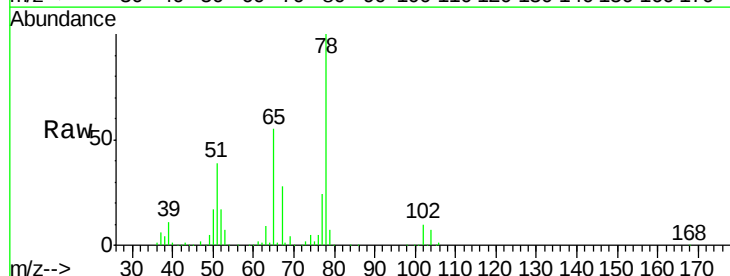
Instrument :
MSVOA_N
ClientSampleId :
VN0404WBS01

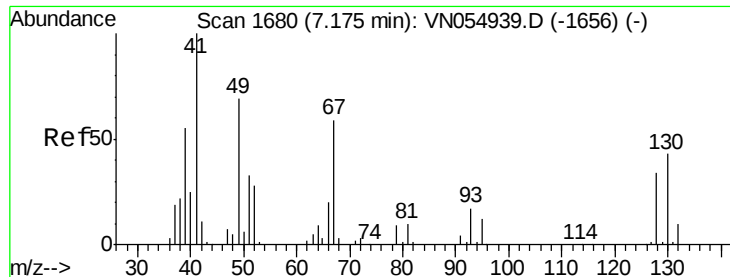
Tgt Ion: 83 Resp: 156494
Ion Ratio Lower Upper
83 100
55 85.2 66.4 99.6
98 43.6 36.4 54.6



#40
Benzene
Concen: 20.352 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Tgt Ion: 78 Resp: 418204
Ion Ratio Lower Upper
78 100
77 24.0 18.6 27.8





#41

Methacrylonitrile

Concen: 21.316 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBS01

Tgt Ion: 41 Resp: 59730

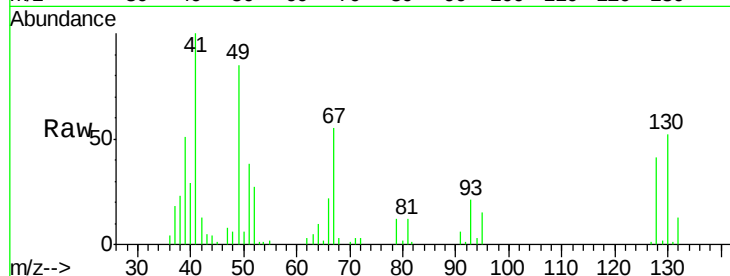
Ion Ratio Lower Upper

41 100

39 55.8 43.0 64.6

67 65.8 55.0 82.6

52 31.4 24.4 36.6

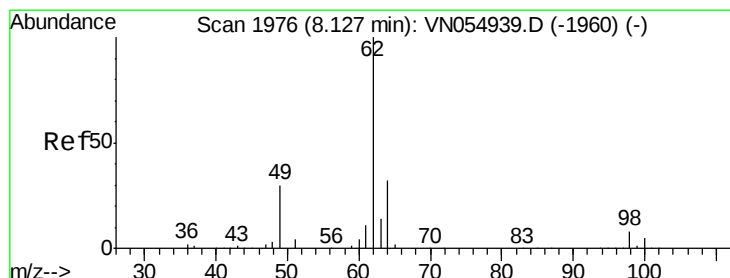
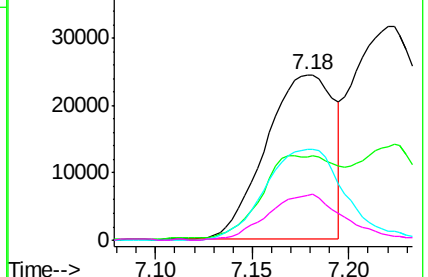
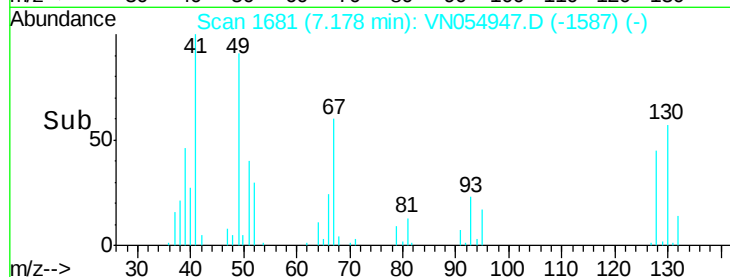


Abundance Ion 41.00 (40.70 to 41.70): VN054939.D (-1656) (-)

Ion 39.00 (38.70 to 39.70): VN054939.D (-1656) (-)

Ion 67.00 (66.70 to 67.70): VN054939.D (-1656) (-)

Ion 52.00 (51.70 to 52.70): VN054939.D (-1656) (-)



#42

1,2-Dichloroethane

Concen: 19.877 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN054947.D

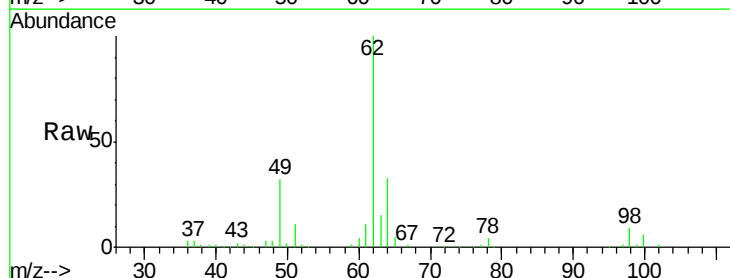
Acq: 4 Apr 2019 15:07

Tgt Ion: 62 Resp: 143527

Ion Ratio Lower Upper

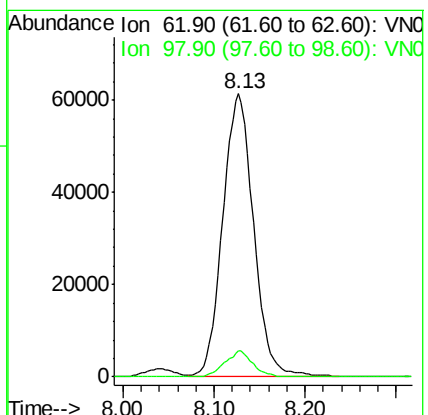
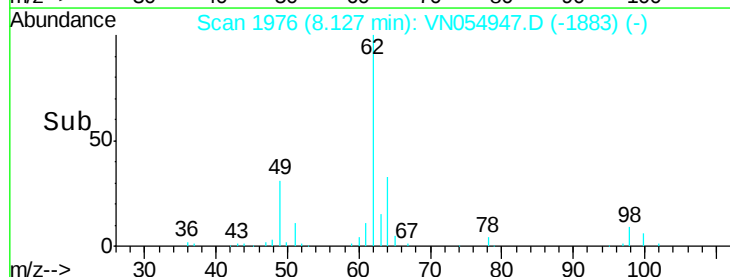
62 100

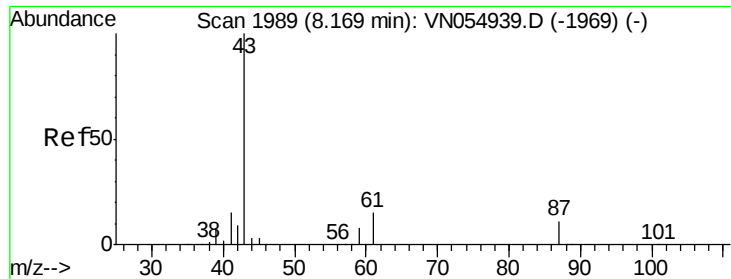
98 8.2 0.0 16.0



Abundance Ion 61.90 (61.60 to 62.60): VN054939.D (-1960) (-)

Ion 97.90 (97.60 to 98.60): VN054939.D (-1960) (-)





#43

Isopropyl Acetate

Concen: 20.751 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBS01

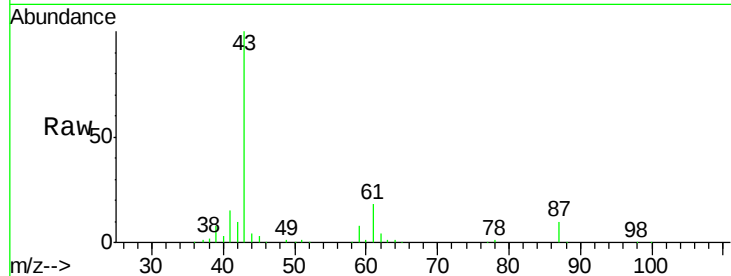
Tgt Ion: 43 Resp: 171386

Ion Ratio Lower Upper

43 100

61 18.0 14.4 21.6

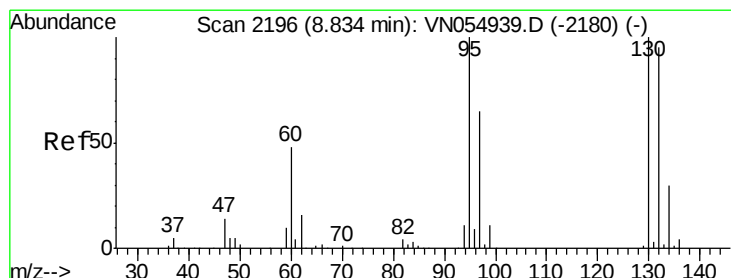
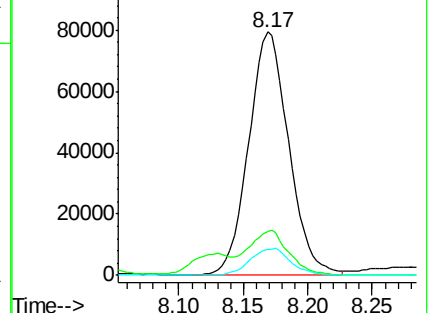
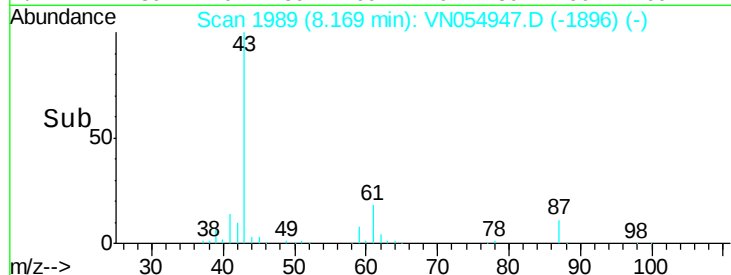
87 11.2 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VN054947.D (-1896) (-)

Ion 61.00 (60.70 to 61.70): VN054947.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN054947.D (-1896) (-)



#44

Trichloroethene

Concen: 20.106 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054947.D

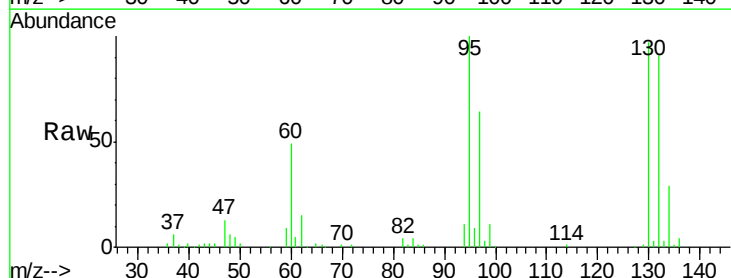
Acq: 4 Apr 2019 15:07

Tgt Ion: 130 Resp: 105640

Ion Ratio Lower Upper

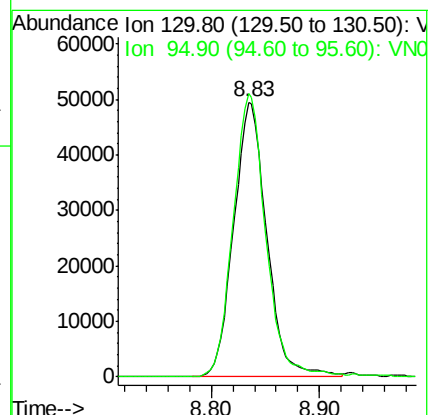
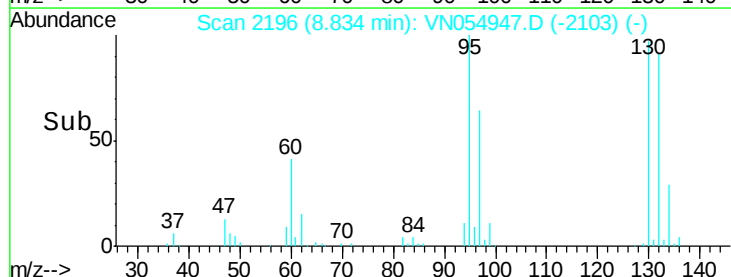
130 100

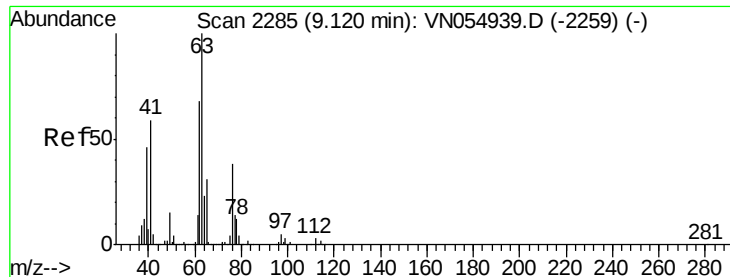
95 103.0 0.0 200.4



Abundance Ion 129.80 (129.50 to 130.50): VN054947.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN054947.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 20.343 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

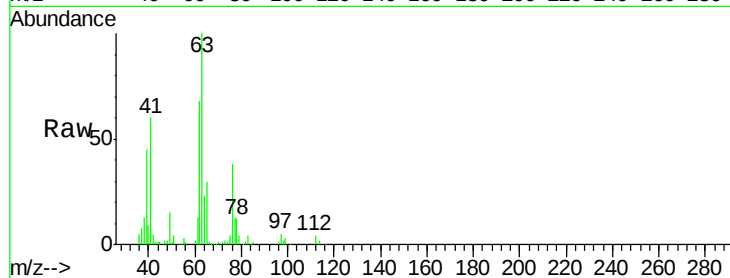
VN0404WBS01

Tgt Ion: 63 Resp: 116471

Ion Ratio Lower Upper

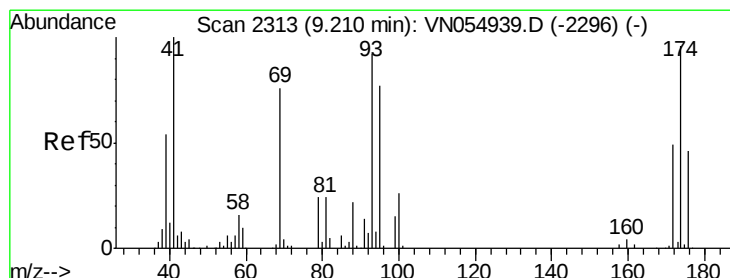
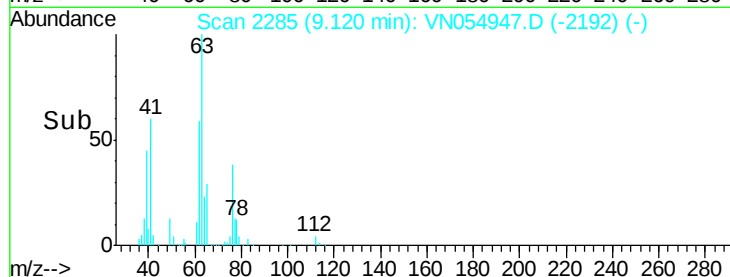
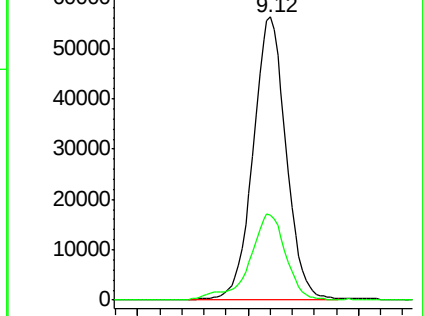
63 100

65 30.0 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.302 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

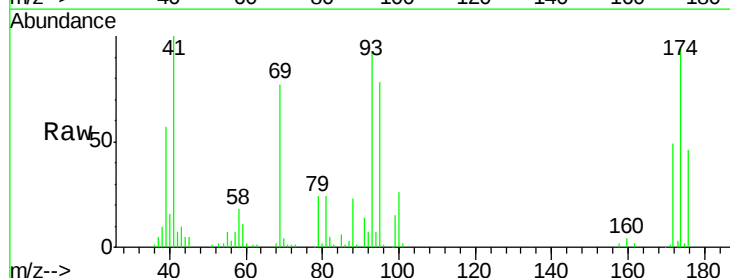
Tgt Ion: 93 Resp: 65915

Ion Ratio Lower Upper

93 100

95 81.9 66.7 100.1

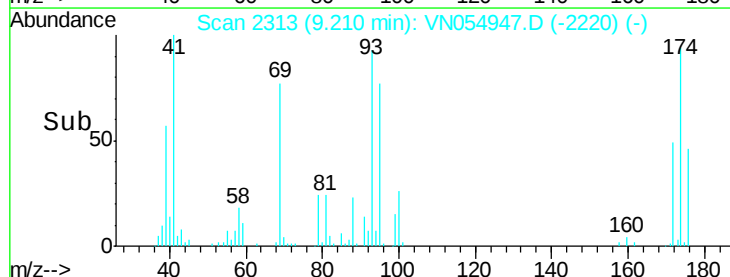
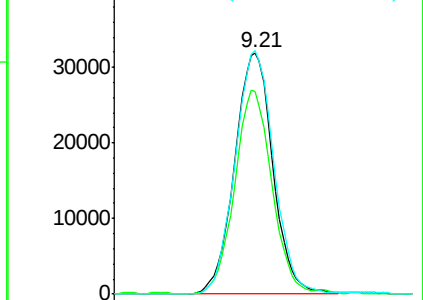
174 101.9 82.0 123.0

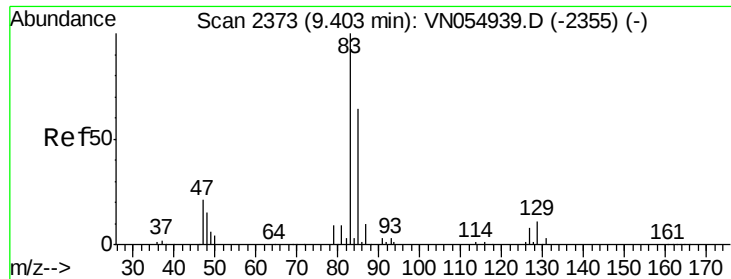


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.601 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBS01

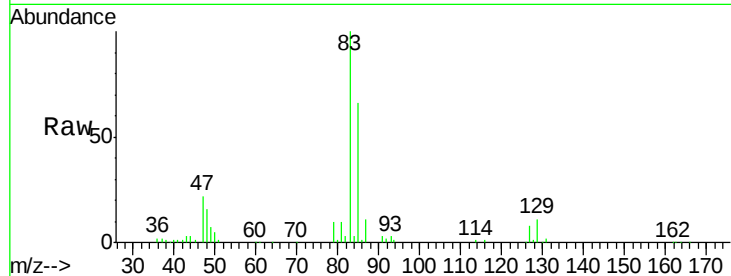
Tgt Ion: 83 Resp: 133669

Ion Ratio Lower Upper

83 100

85 66.4 51.1 76.7

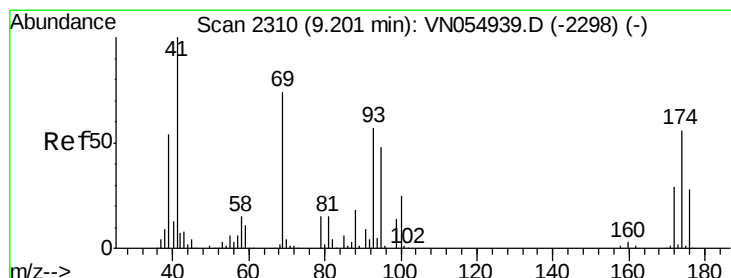
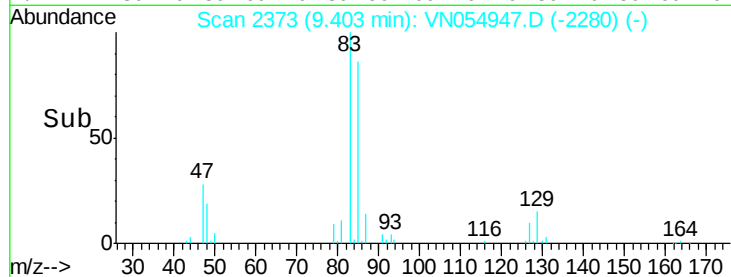
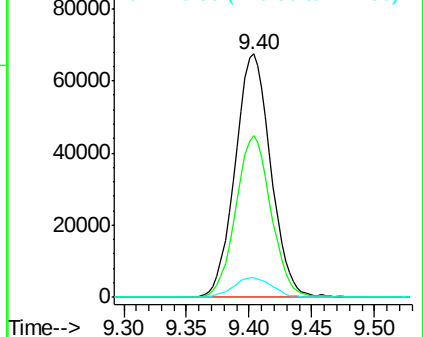
127 7.9 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 20.525 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

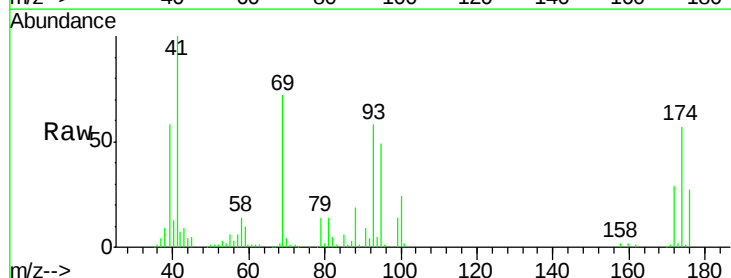
Tgt Ion: 41 Resp: 85816

Ion Ratio Lower Upper

41 100

69 74.8 58.9 88.3

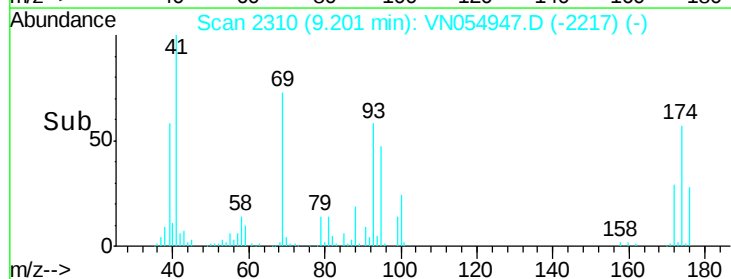
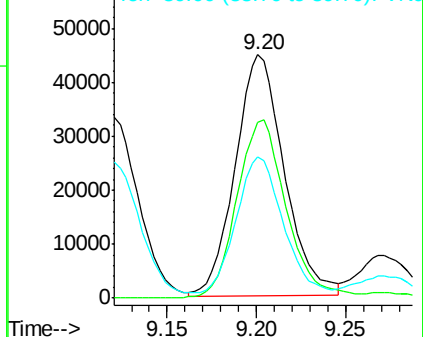
39 56.2 44.2 66.4

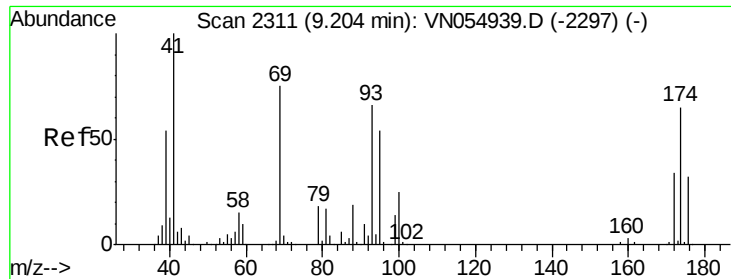


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

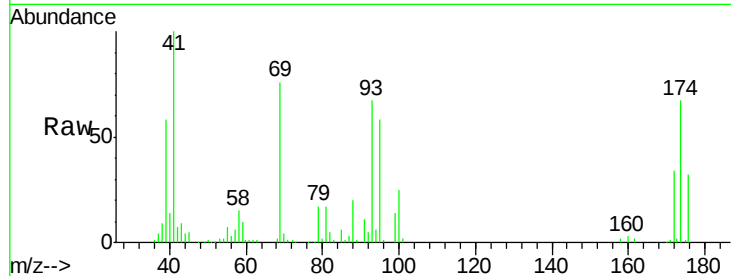




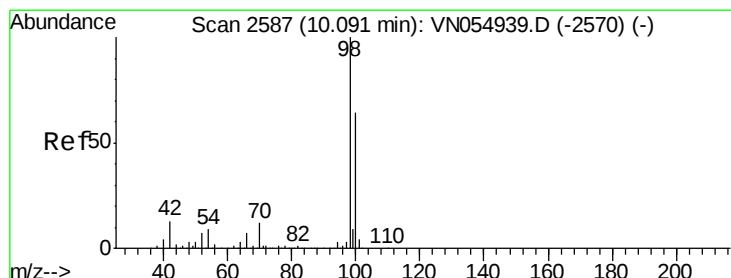
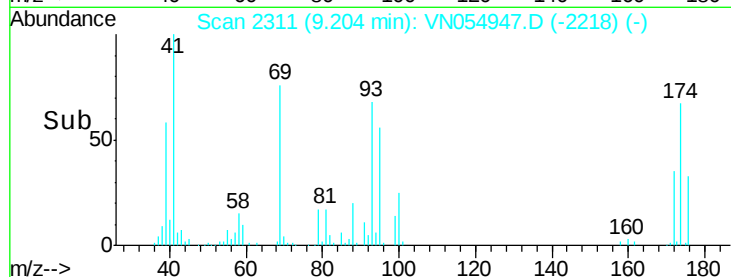
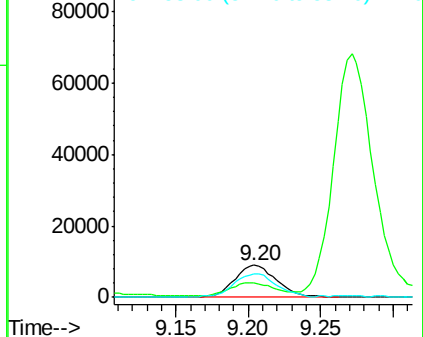
#49
 1,4-Dioxane
 Concen: 433.088 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBS01

Tgt Ion: 88 Resp: 18277
 Ion Ratio Lower Upper
 88 100
 43 39.7 31.5 47.3
 58 74.7 61.9 92.9

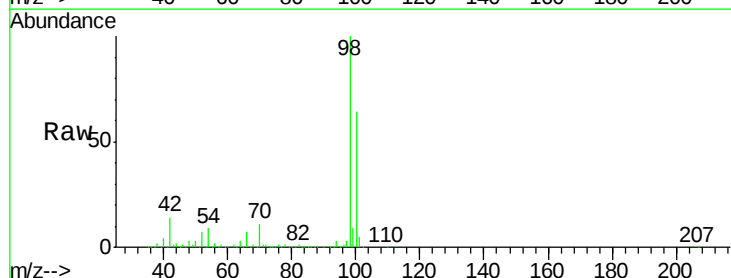


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

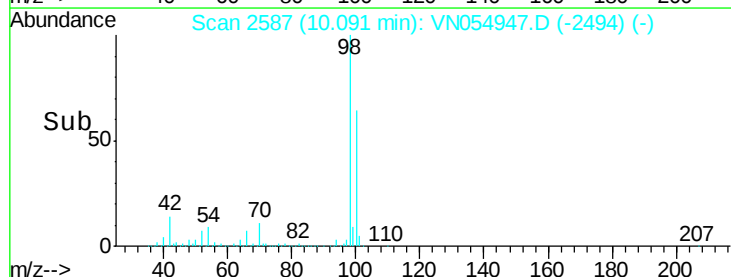
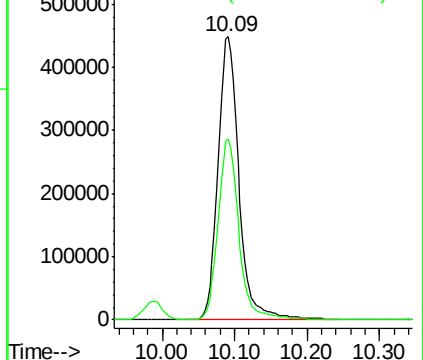


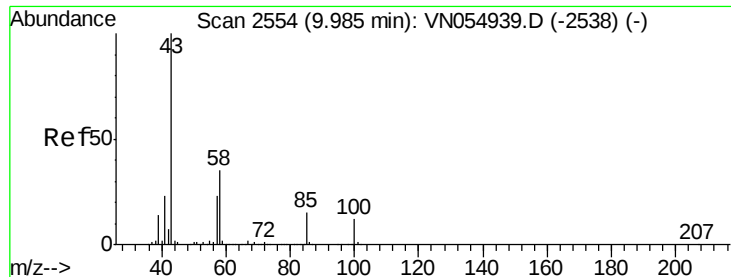
#50
 Toluene-d8
 Concen: 50.751 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Tgt Ion: 98 Resp: 903452
 Ion Ratio Lower Upper
 98 100
 100 63.1 51.5 77.3



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

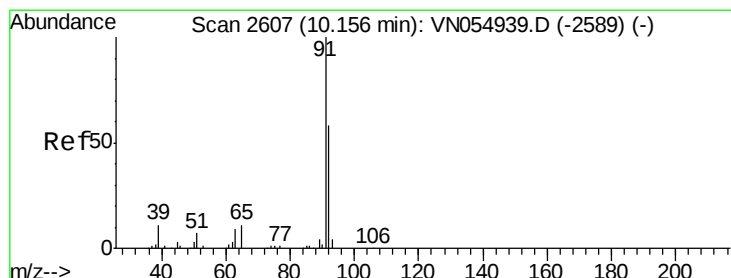
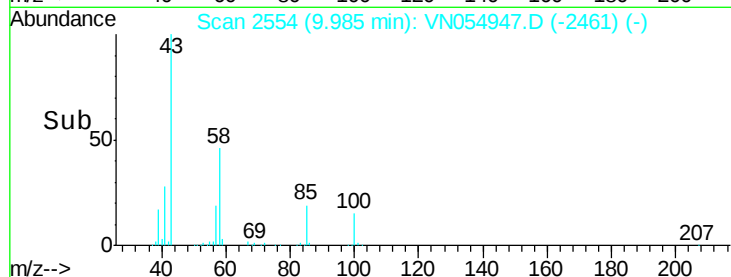
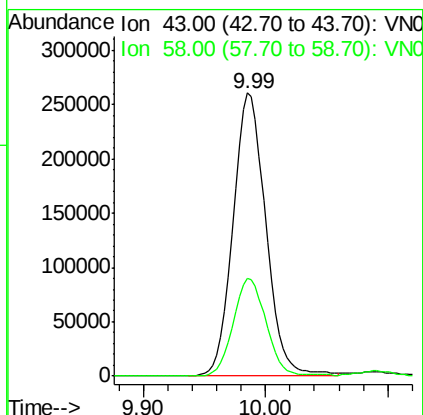
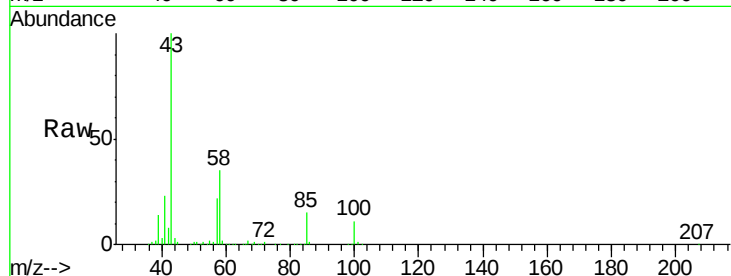




#51
 4-Methyl-2-Pentanone
 Concen: 104.917 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

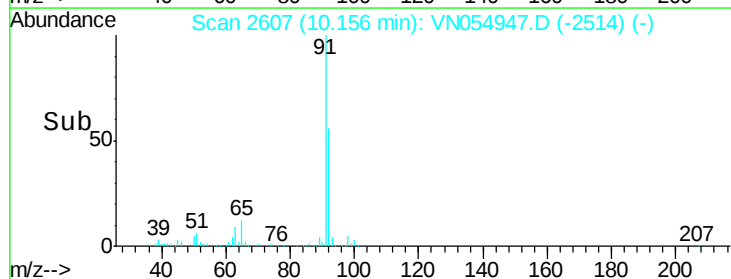
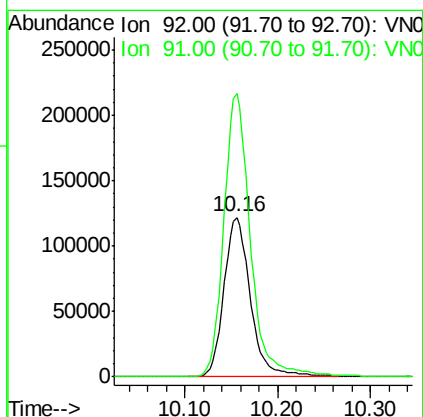
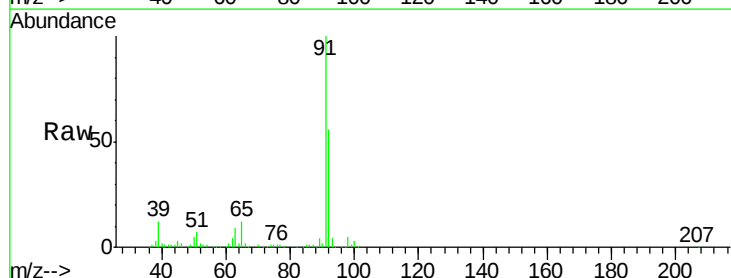
Instrument :
 MSVOA_N
 ClientSampled :
 VN0404WBS01

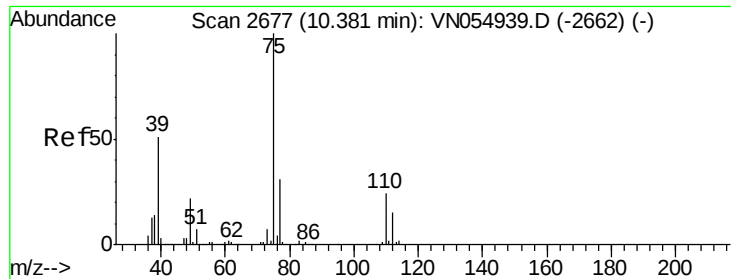
Tgt Ion: 43 Resp: 483413
 Ion Ratio Lower Upper
 43 100
 58 34.4 28.3 42.5



#52
 Toluene
 Concen: 20.010 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Tgt Ion: 92 Resp: 242361
 Ion Ratio Lower Upper
 92 100
 91 178.7 138.8 208.2





#53

t-1,3-Dichloropropene

Concen: 18.827 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

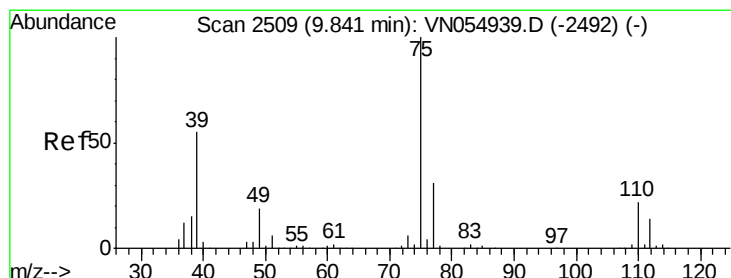
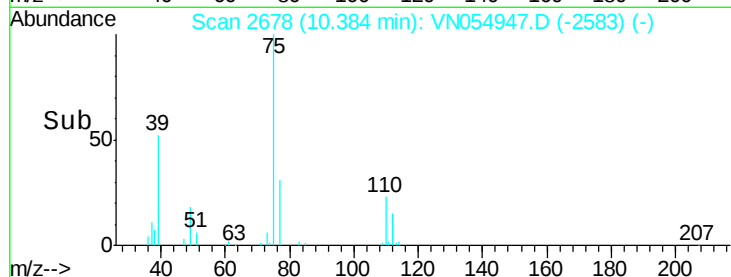
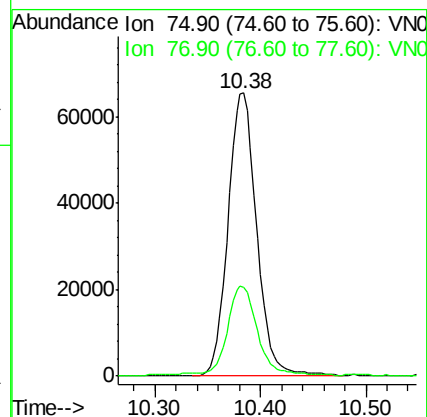
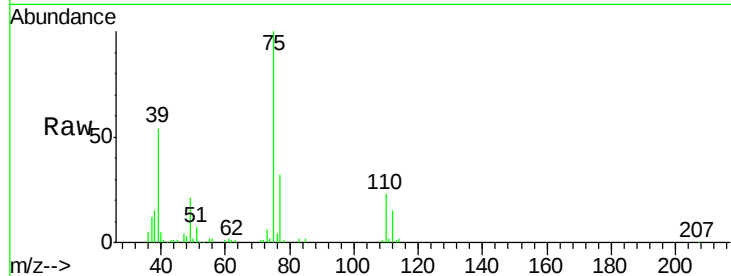
VN0404WBS01

Tgt Ion: 75 Resp: 123483

Ion Ratio Lower Upper

75 100

77 31.2 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 19.824 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

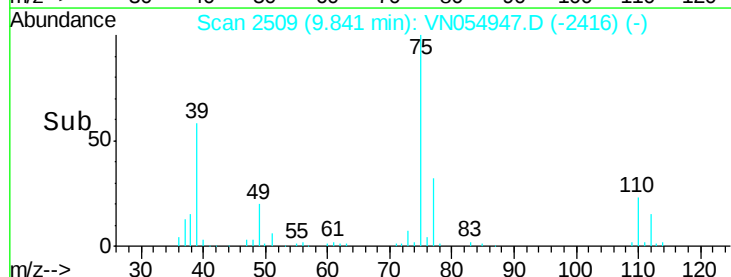
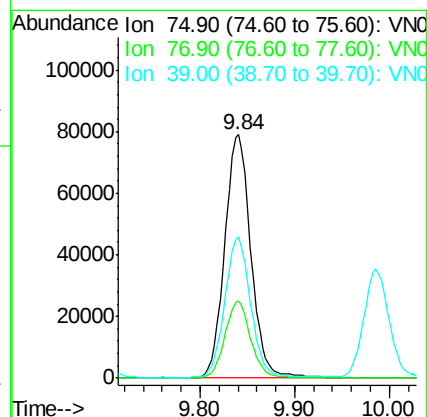
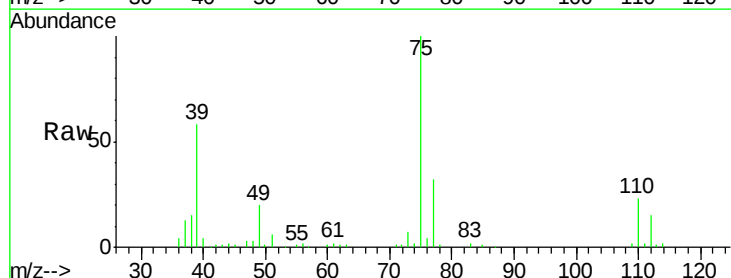
Tgt Ion: 75 Resp: 152154

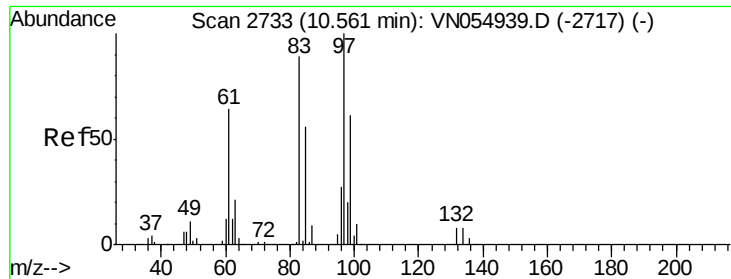
Ion Ratio Lower Upper

75 100

77 31.8 25.0 37.4

39 57.3 43.9 65.9





#55

1,1,2-Trichloroethane

Concen: 20.333 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBS01

Tgt Ion: 97 Resp: 89289

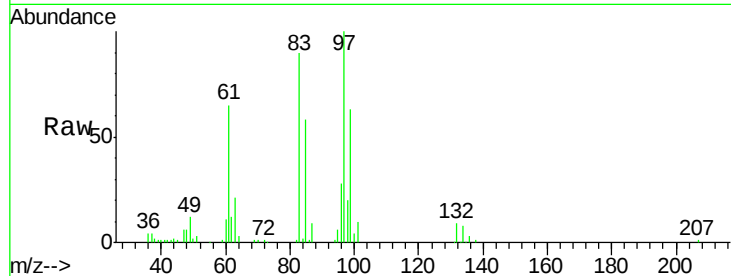
Ion Ratio Lower Upper

97 100

83 90.1 71.5 107.3

85 58.0 45.0 67.6

99 62.2 49.1 73.7

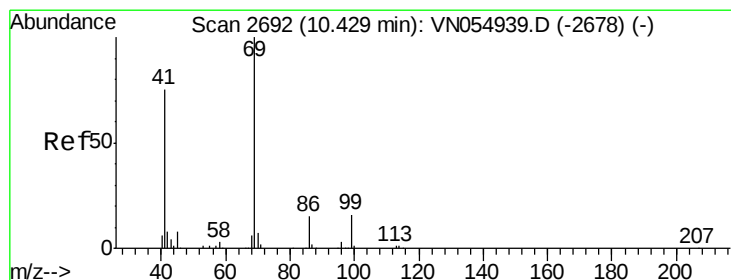
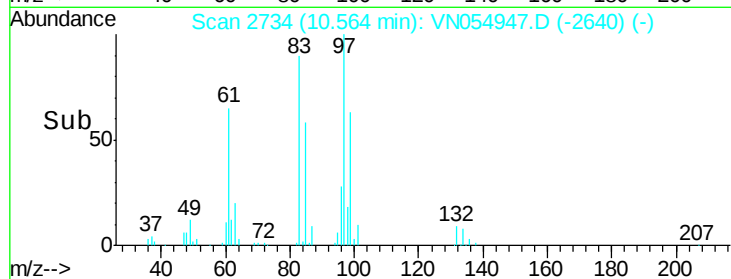
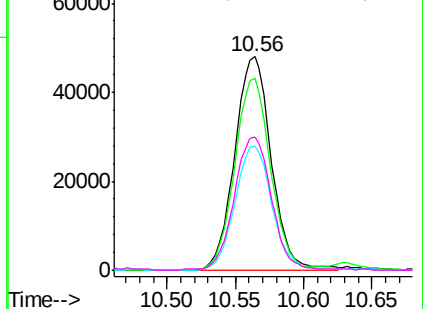


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.753 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

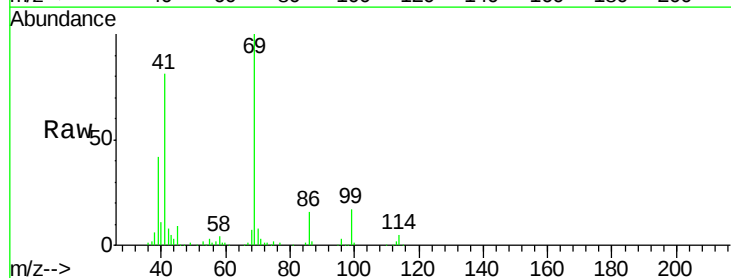
Tgt Ion: 69 Resp: 113417

Ion Ratio Lower Upper

69 100

41 79.1 60.2 90.2

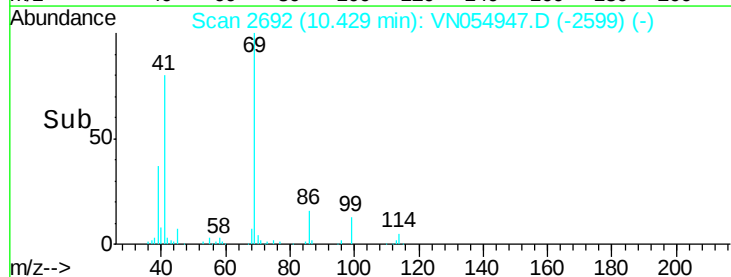
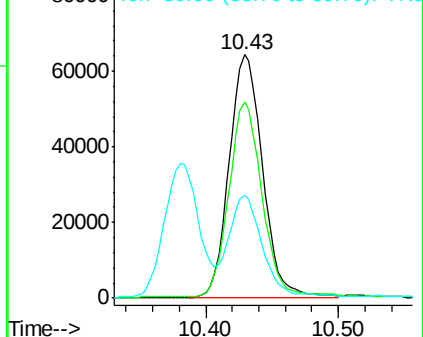
39 41.4 31.3 46.9

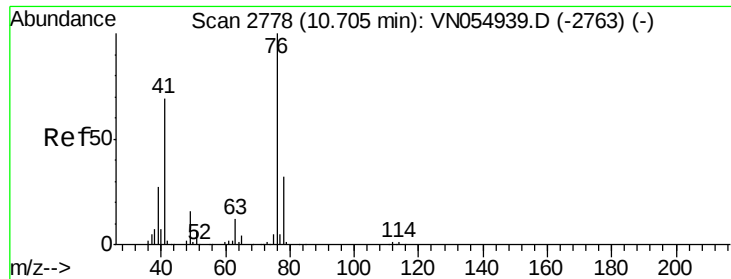


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

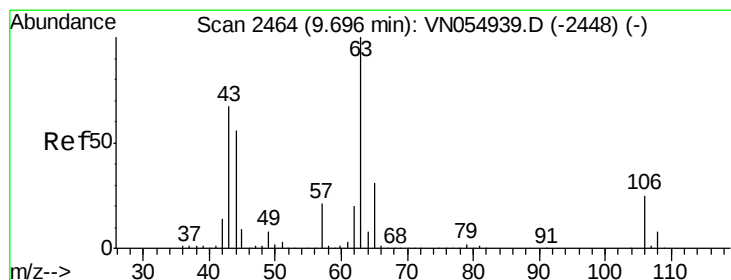
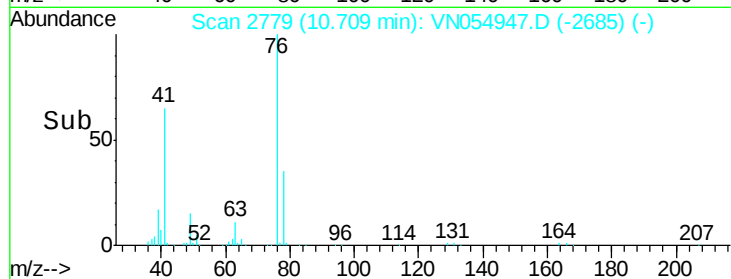
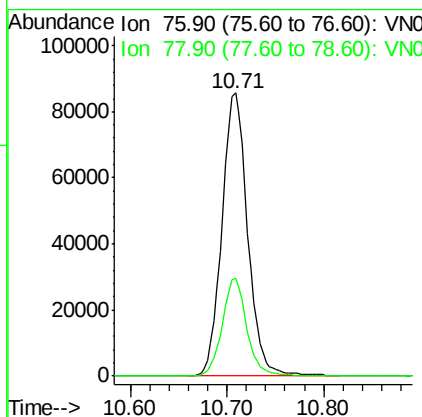
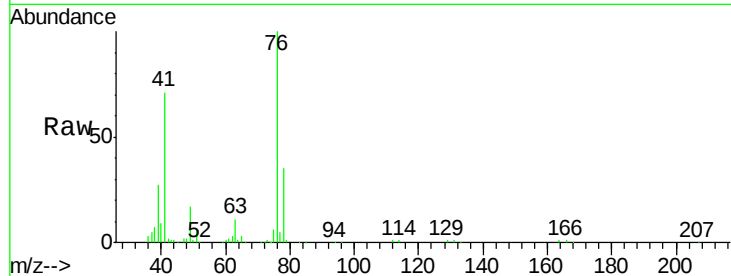




#57
 1,3-Dichloropropane
 Concen: 20.662 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

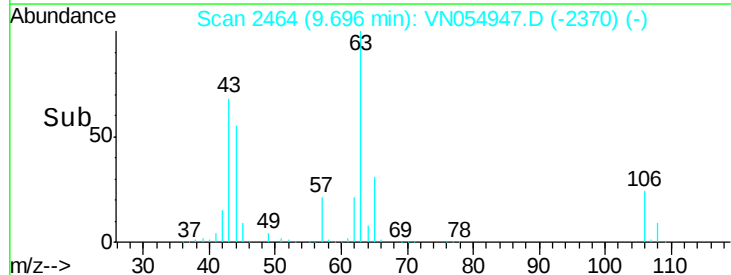
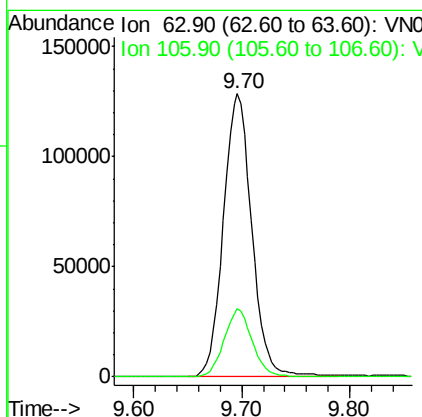
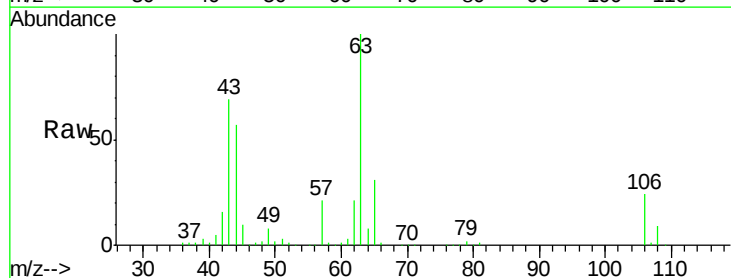
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBS01

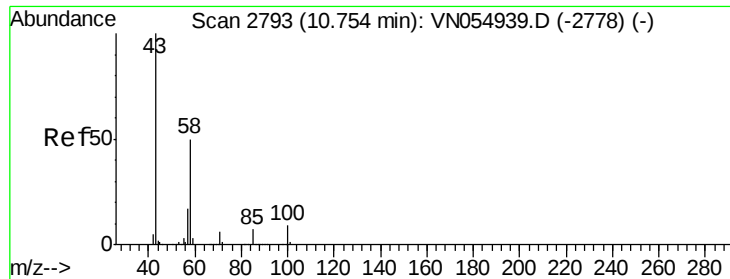
Tgt Ion: 76 Resp: 158464
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.727 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Tgt Ion: 63 Resp: 235967
 Ion Ratio Lower Upper
 63 100
 106 23.8 19.7 29.5

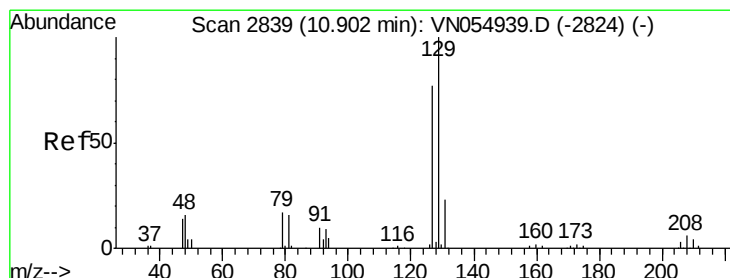
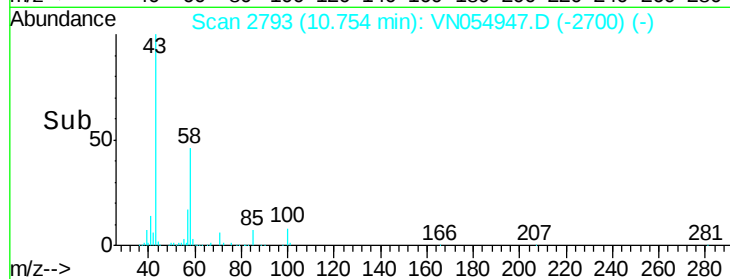
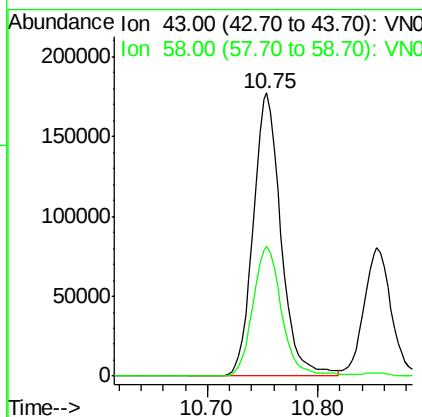
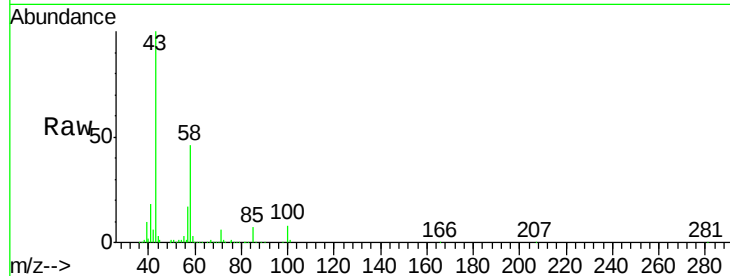




#59
2-Hexanone
Concen: 106.559 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

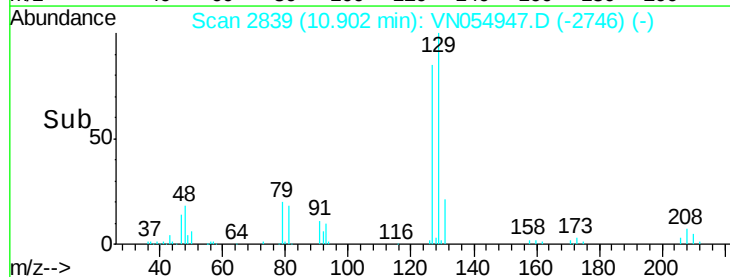
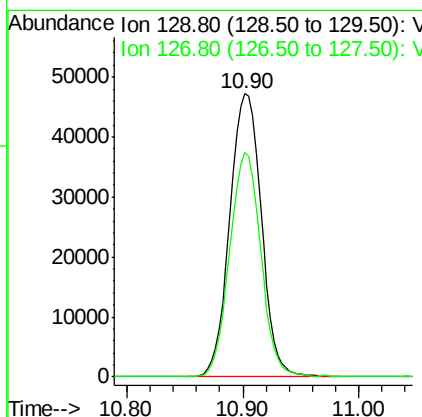
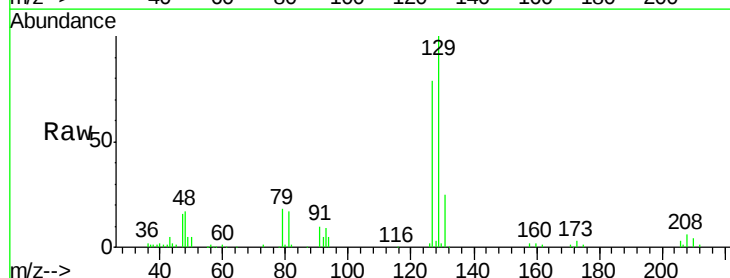
Instrument :
MSVOA_N
ClientSampleId :
VN0404WBS01

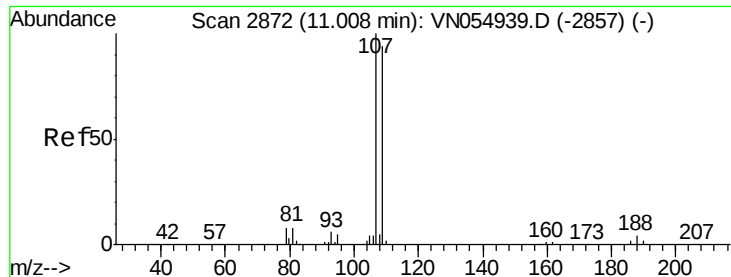
Tgt Ion: 43 Resp: 306673
Ion Ratio Lower Upper
43 100
58 47.8 24.6 73.8



#60
Dibromochloromethane
Concen: 19.491 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Tgt Ion: 129 Resp: 89656
Ion Ratio Lower Upper
129 100
127 77.7 38.4 115.2





#61

1,2-Dibromoethane

Concen: 20.575 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

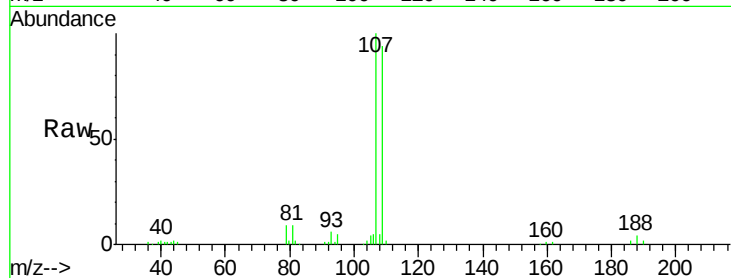
VN0404WBS01

Tgt Ion: 107 Resp: 84956

Ion Ratio Lower Upper

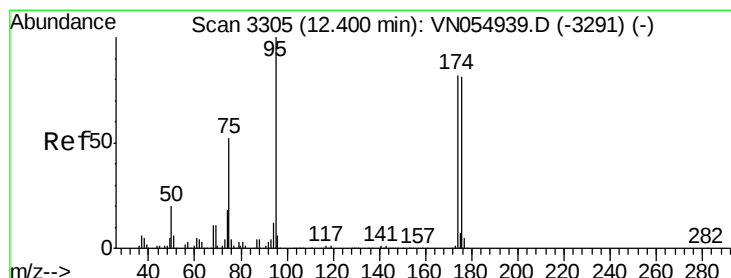
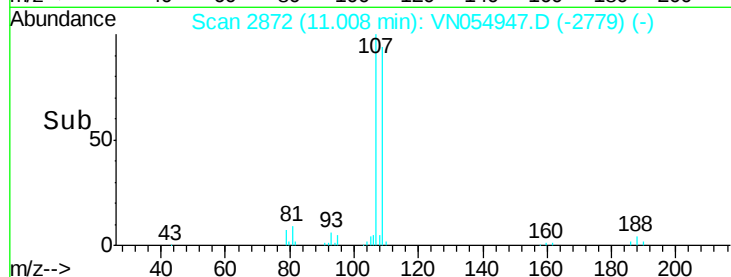
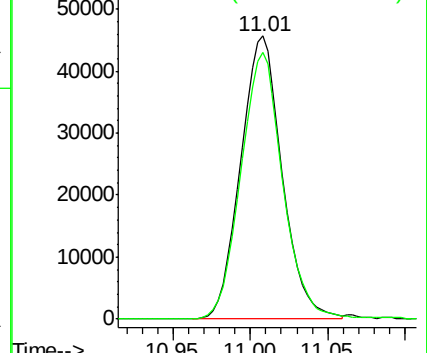
107 100

109 94.9 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.900 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

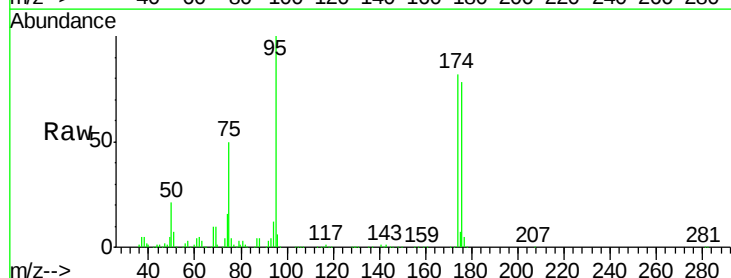
Tgt Ion: 95 Resp: 296449

Ion Ratio Lower Upper

95 100

174 83.2 0.0 166.2

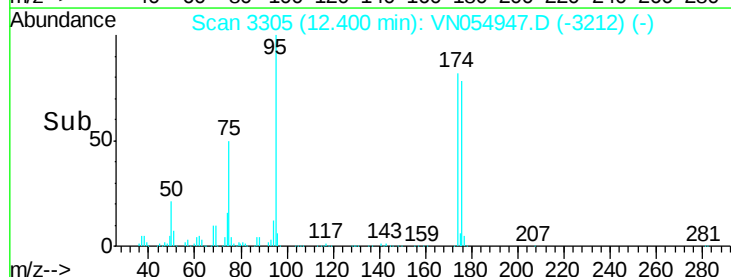
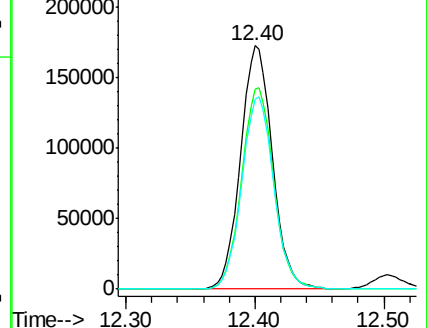
176 80.0 0.0 163.2

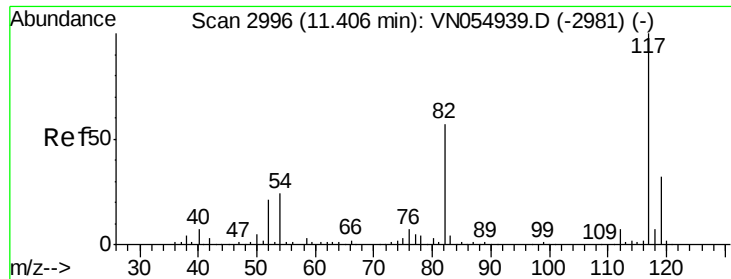


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

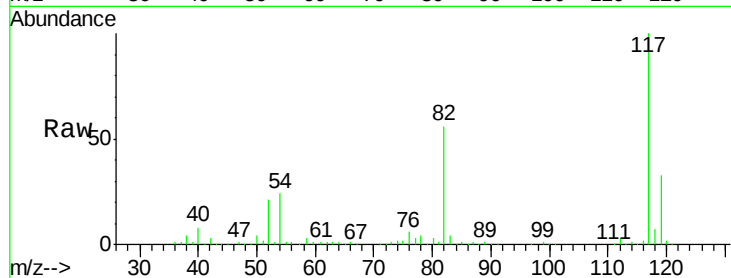




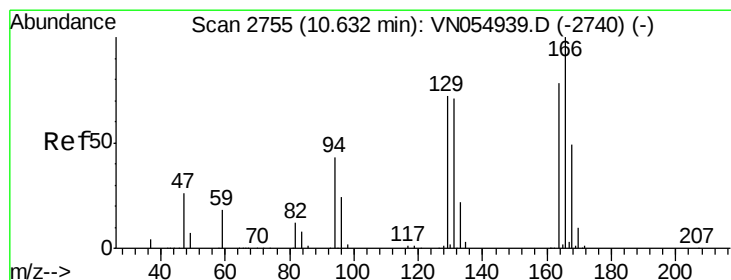
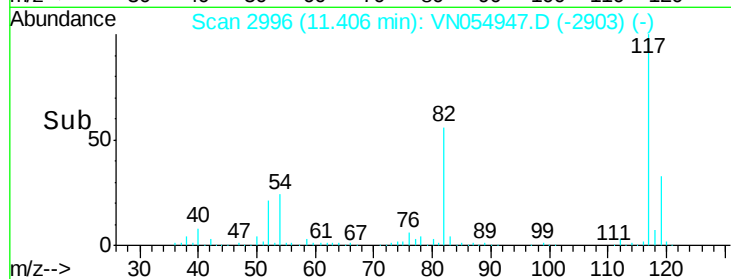
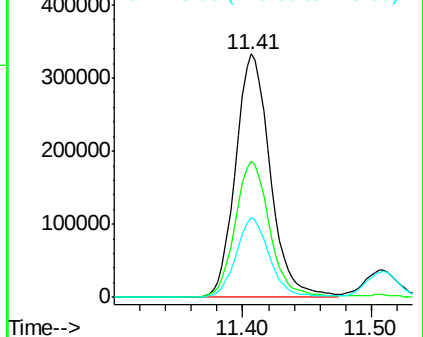
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBS01

Tgt Ion:117 Resp: 622161
Ion Ratio Lower Upper
117 100
82 55.7 45.3 67.9
119 32.5 25.8 38.6

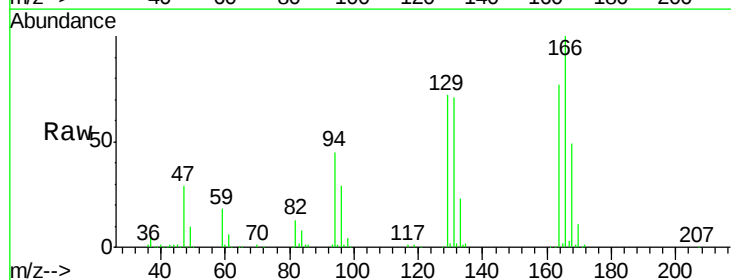


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

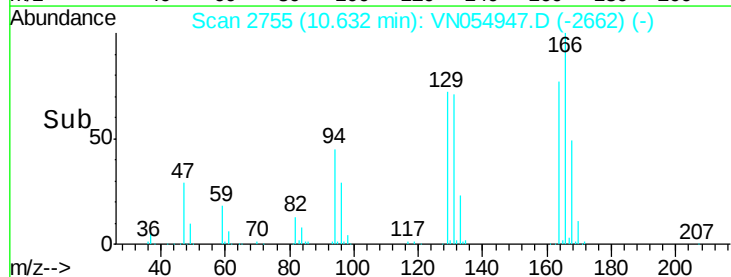
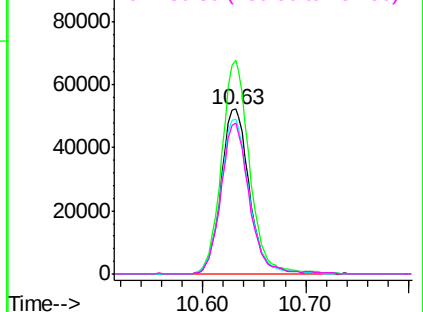


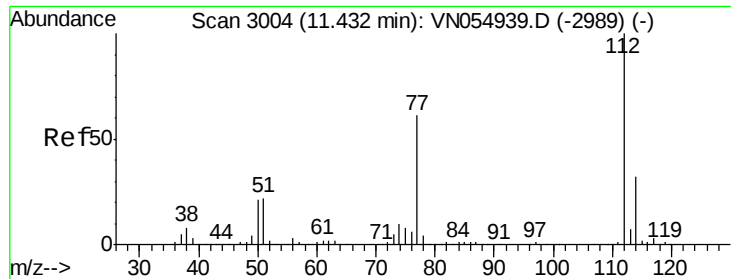
#64
Tetrachloroethene
Concen: 19.902 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Tgt Ion:164 Resp: 99866
Ion Ratio Lower Upper
164 100
166 129.8 103.1 154.7
129 94.0 73.9 110.9
131 91.6 73.0 109.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

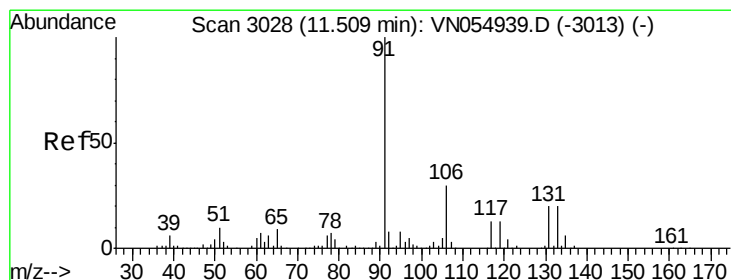
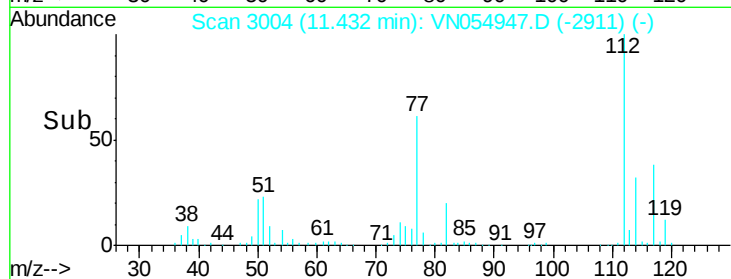
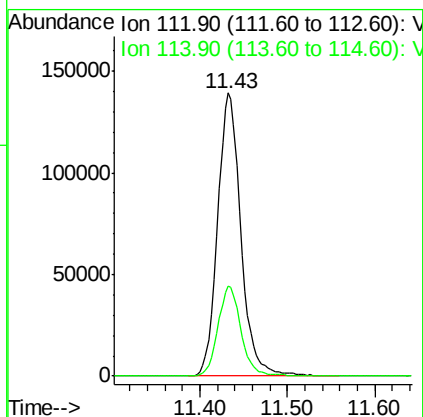
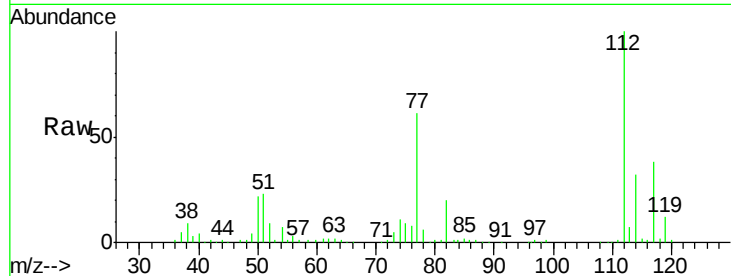




#65
Chlorobenzene
Concen: 20.250 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

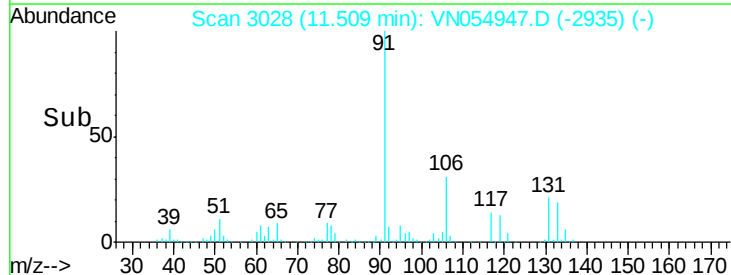
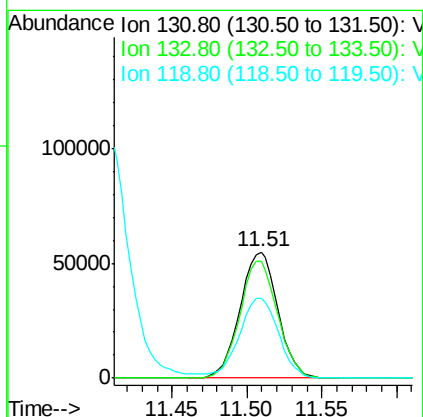
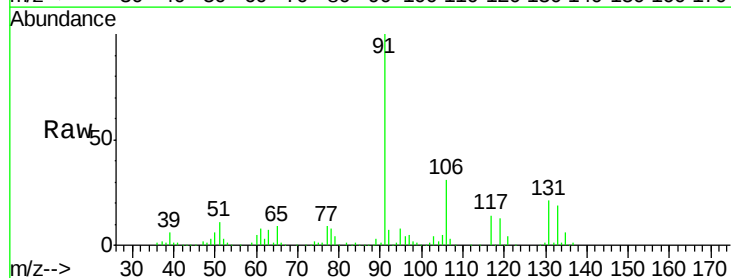
Instrument :
MSVOA_N
ClientSampleId :
VN0404WBS01

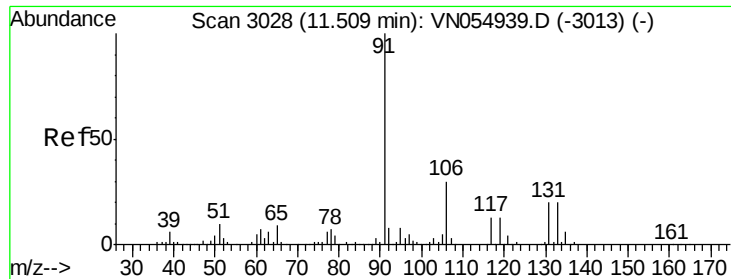
Tgt Ion:112 Resp: 256796
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.790 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Tgt Ion:131 Resp: 96531
Ion Ratio Lower Upper
131 100
133 92.6 48.1 144.4
119 66.0 33.1 99.2

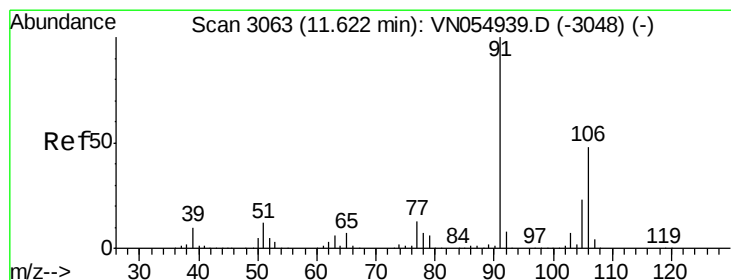
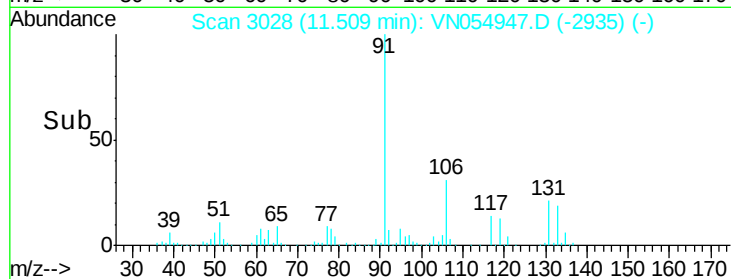
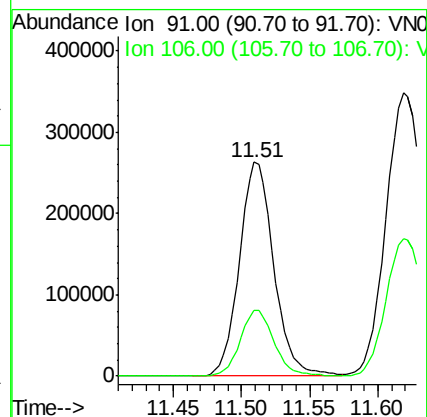
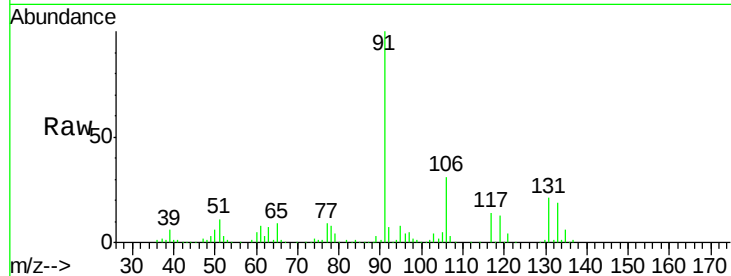




#67
Ethyl Benzene
Concen: 20.212 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

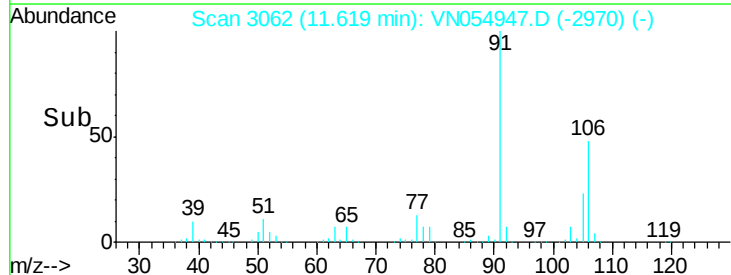
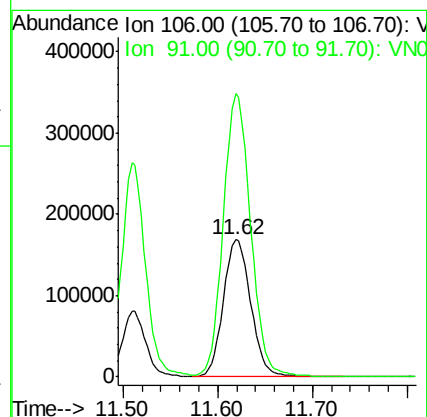
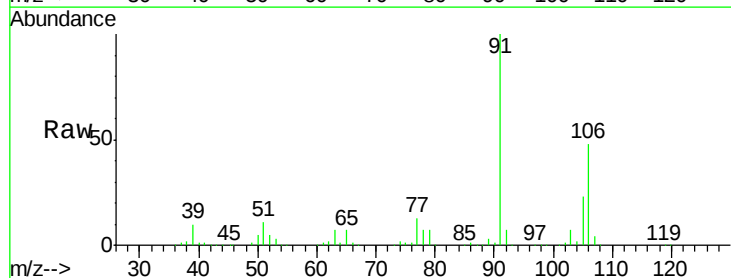
Instrument :
MSVOA_N
ClientSampled :
VN0404WBS01

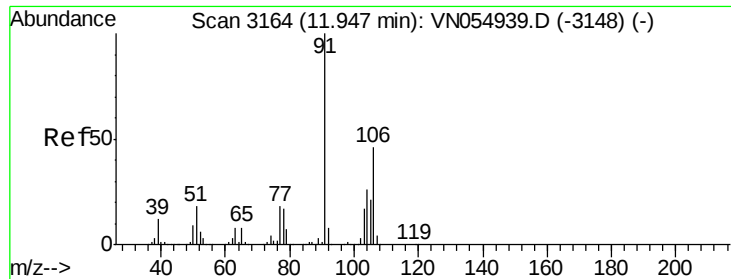
Tgt Ion: 91 Resp: 462155
Ion Ratio Lower Upper
91 100
106 30.5 24.1 36.1



#68
m/p-Xylenes
Concen: 40.869 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Tgt Ion: 106 Resp: 341605
Ion Ratio Lower Upper
106 100
91 205.8 167.4 251.2

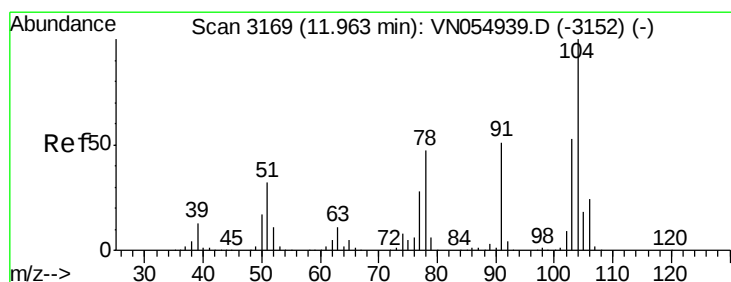
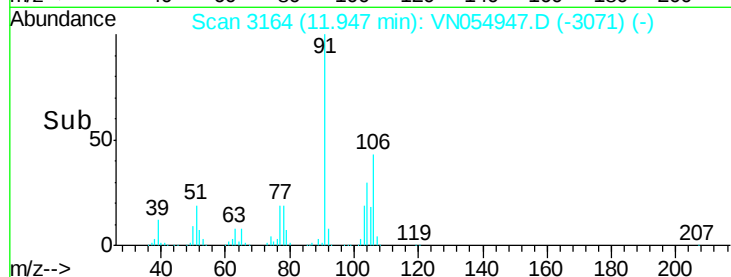
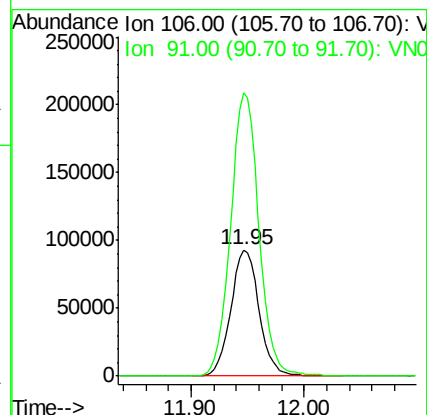
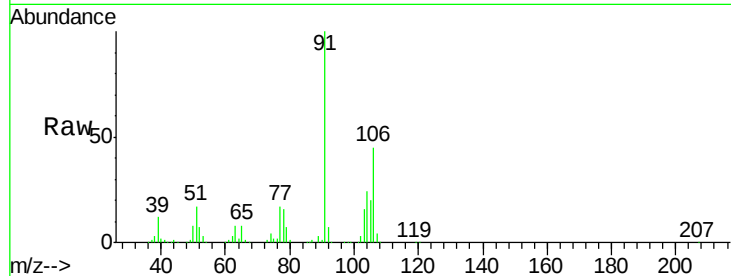




#69
o-Xylene
Concen: 19.873 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

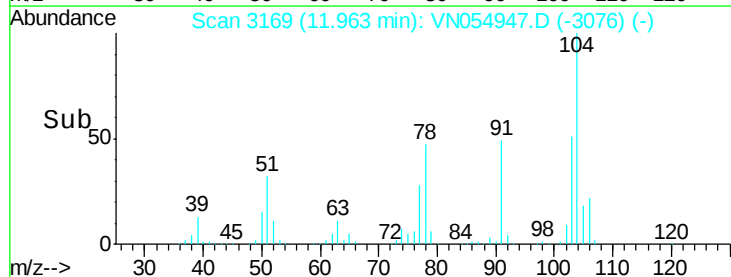
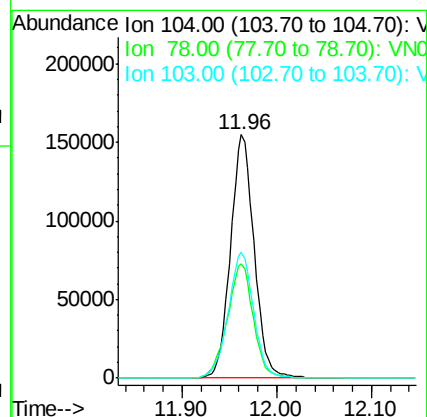
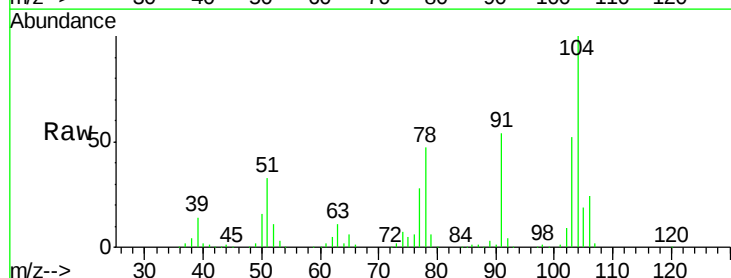
Instrument :
MSVOA_N
ClientSampled :
VN0404WBS01

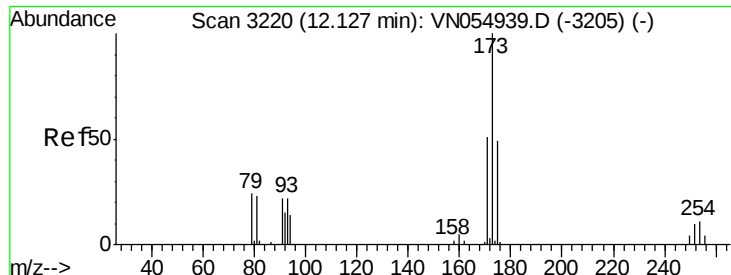
Tgt Ion:106 Resp: 162022
Ion Ratio Lower Upper
106 100
91 224.2 109.9 329.7



#70
Styrene
Concen: 20.595 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Tgt Ion:104 Resp: 269334
Ion Ratio Lower Upper
104 100
78 51.4 41.1 61.7
103 55.7 45.0 67.4





#71

Bromoform

Concen: 19.914 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBS01

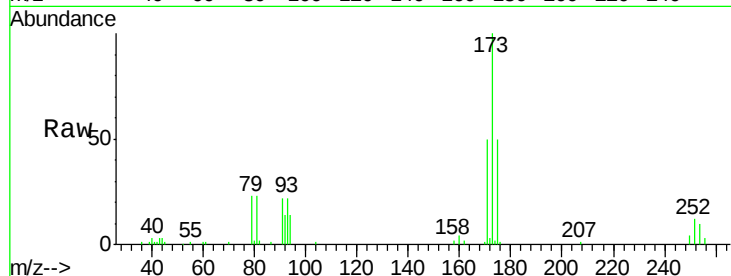
Tgt Ion:173 Resp: 55575

Ion Ratio Lower Upper

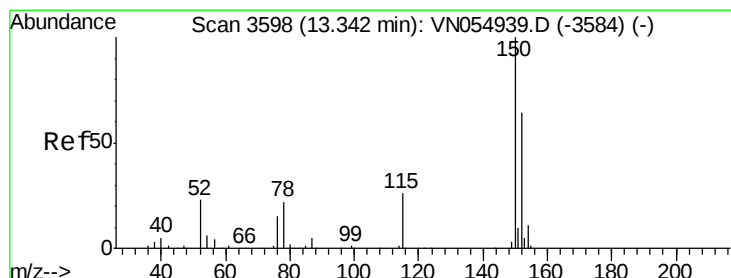
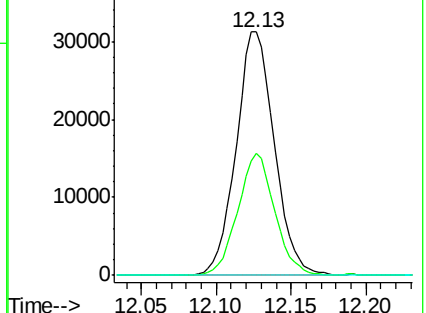
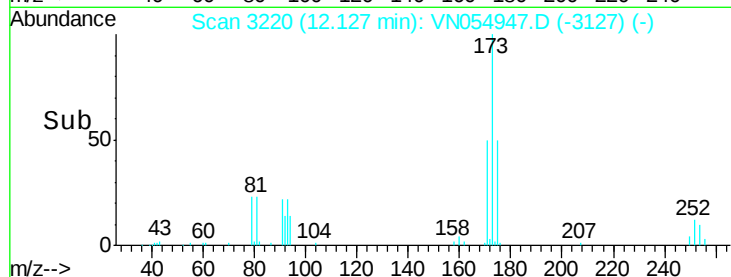
173 100

175 48.0 24.1 72.4

254 0.0 0.0 0.0



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: VN054947.D

Acq: 4 Apr 2019 15:07

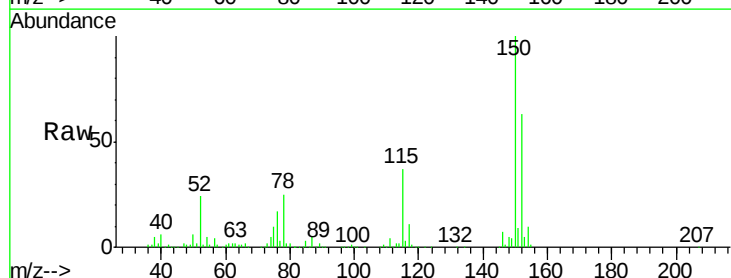
Tgt Ion:152 Resp: 258419

Ion Ratio Lower Upper

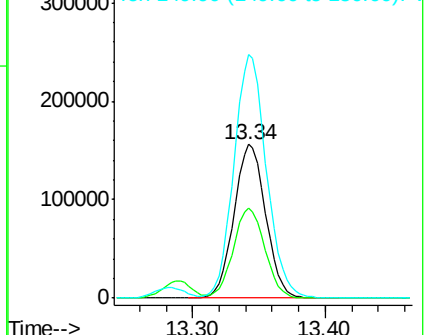
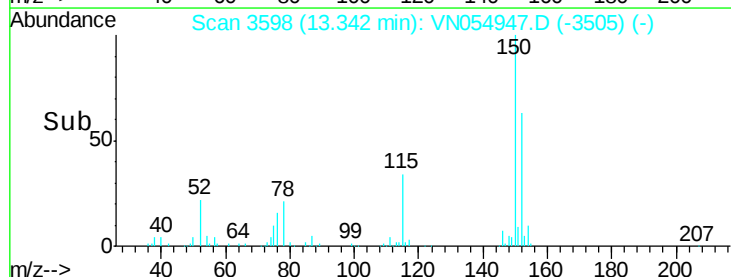
152 100

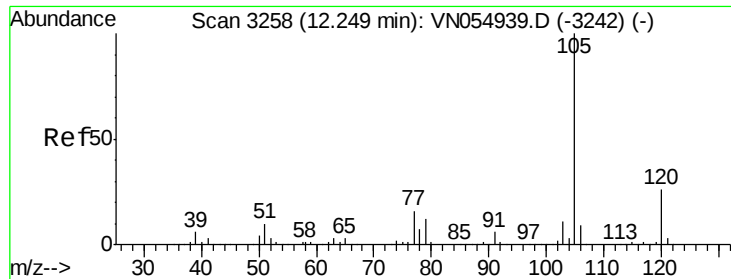
115 58.6 28.9 86.8

150 162.8 0.0 345.4



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





#73

Isopropylbenzene

Concen: 20.051 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

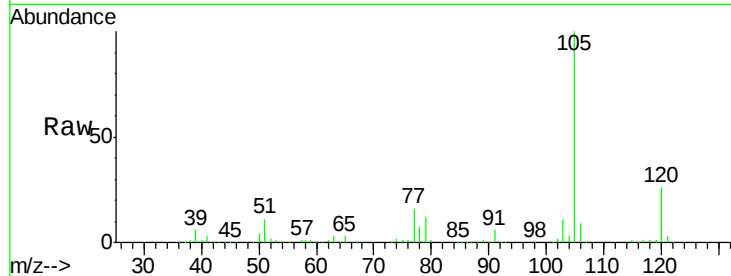
VN0404WBS01

Tgt Ion: 105 Resp: 437703

Ion Ratio Lower Upper

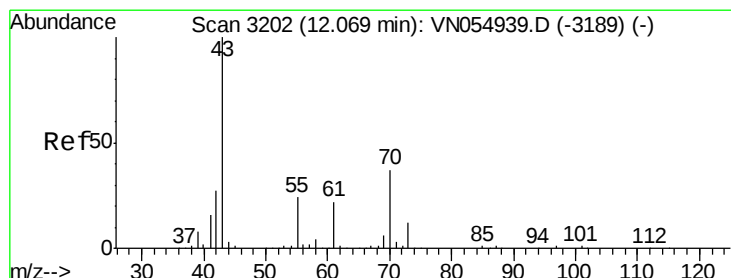
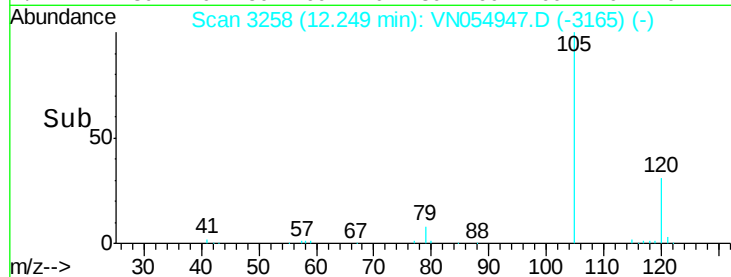
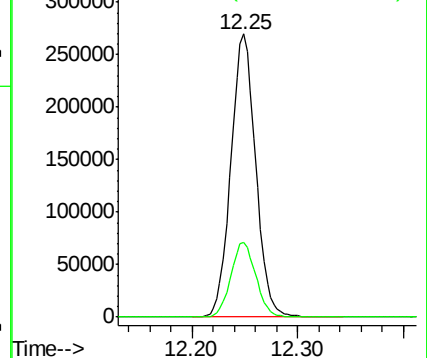
105 100

120 26.7 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.365 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Tgt Ion: 43 Resp: 129635

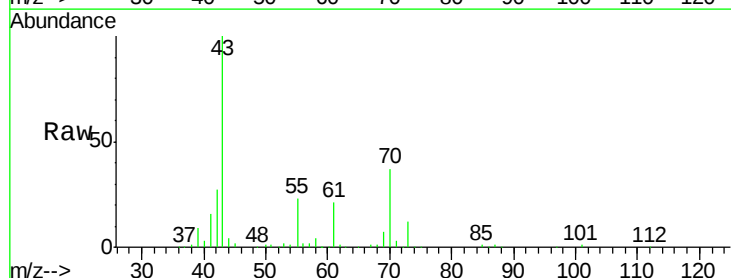
Ion Ratio Lower Upper

43 100

70 37.4 29.3 43.9

55 24.2 19.2 28.8

61 21.8 17.4 26.2

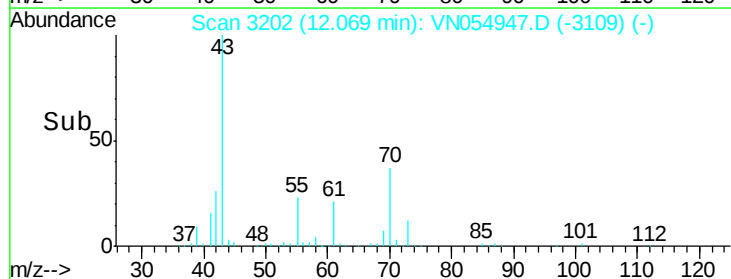
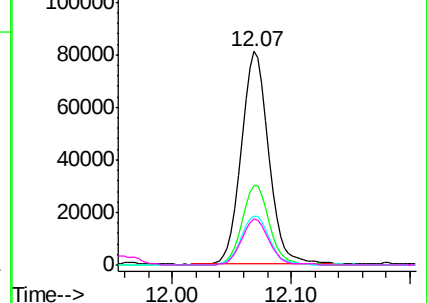


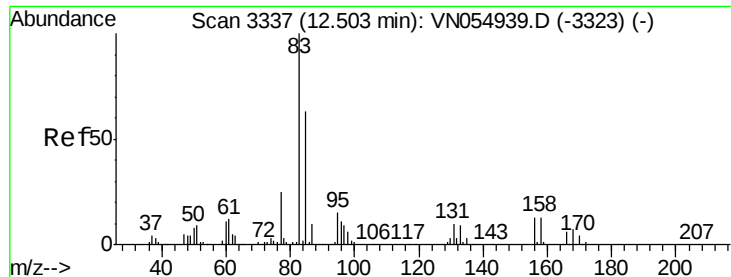
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.159 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBS01

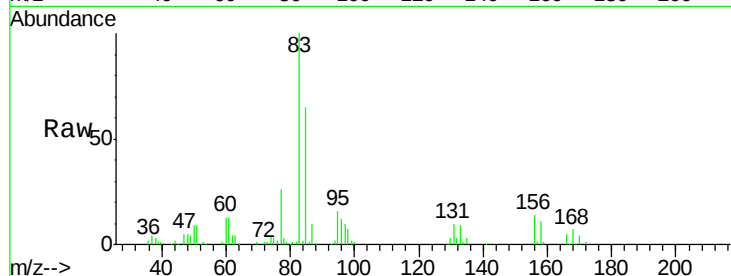
Tgt Ion: 83 Resp: 107821

Ion Ratio Lower Upper

83 100

131 10.3 5.0 15.0

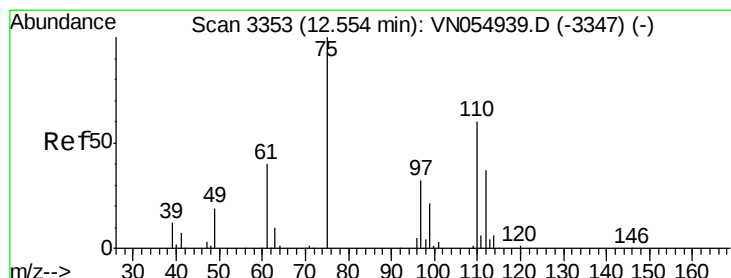
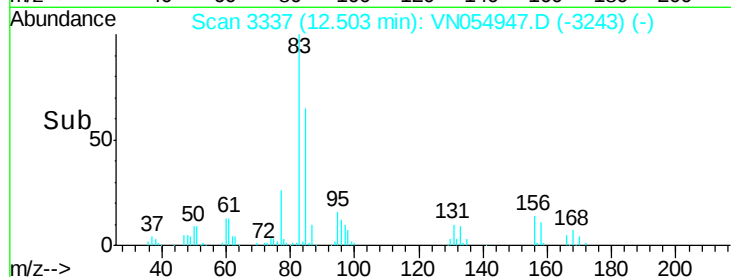
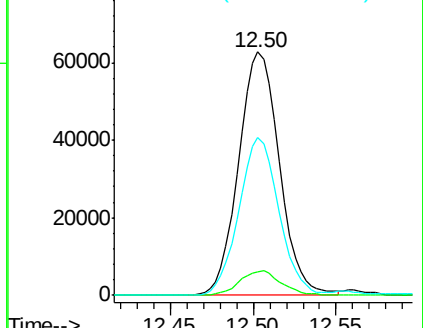
85 63.3 31.4 94.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.252 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054947.D

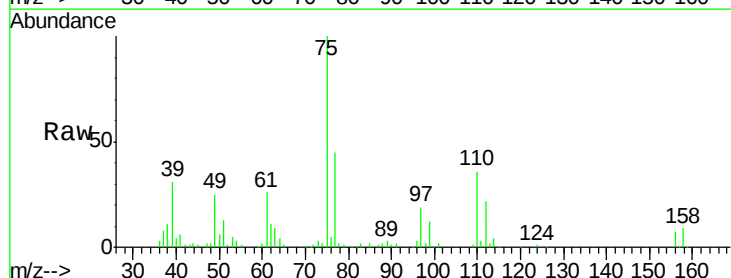
Acq: 4 Apr 2019 15:07

Tgt Ion: 75 Resp: 126142

Ion Ratio Lower Upper

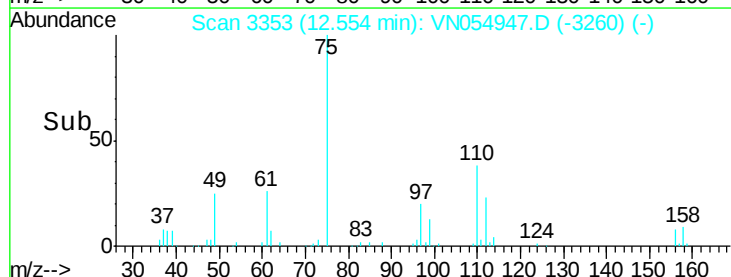
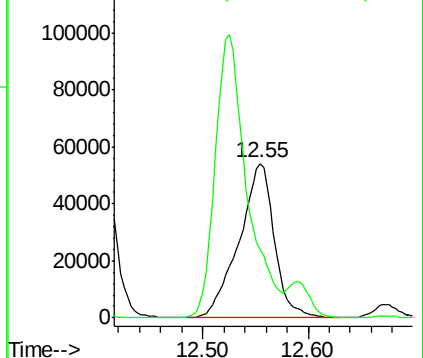
75 100

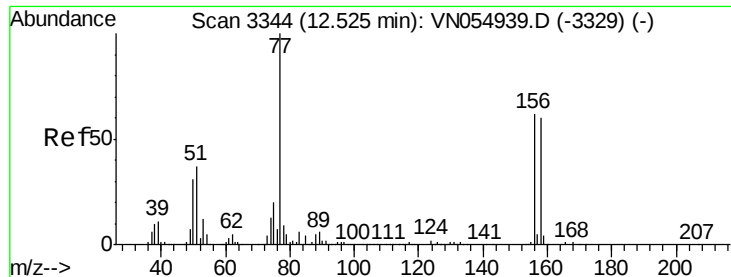
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.266 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampled :

VN0404WBS01

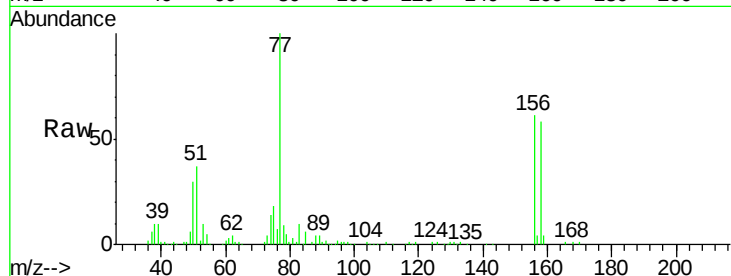
Tgt Ion:156 Resp: 107140

Ion Ratio Lower Upper

156 100

77 194.7 93.1 279.3

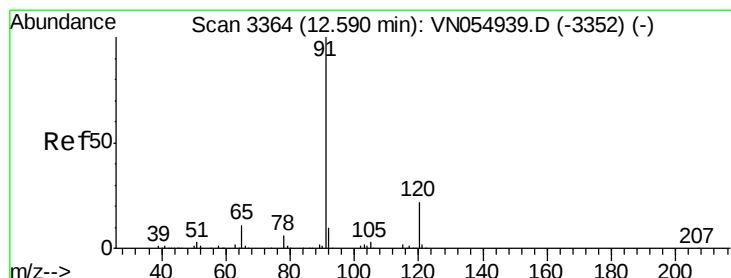
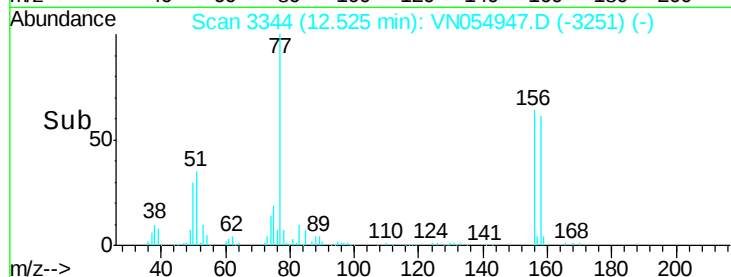
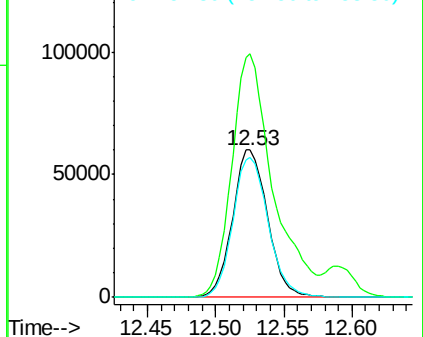
158 96.0 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.257 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054947.D

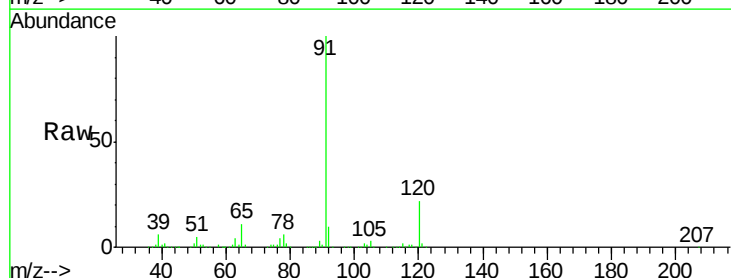
Acq: 4 Apr 2019 15:07

Tgt Ion: 91 Resp: 487203

Ion Ratio Lower Upper

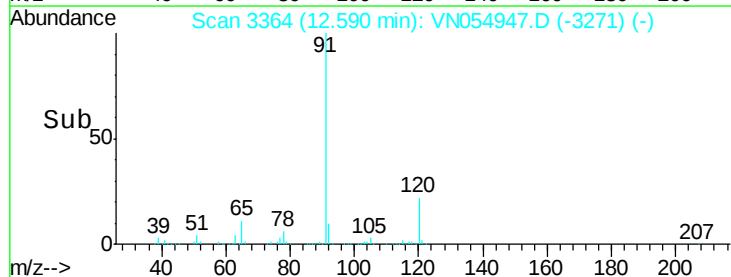
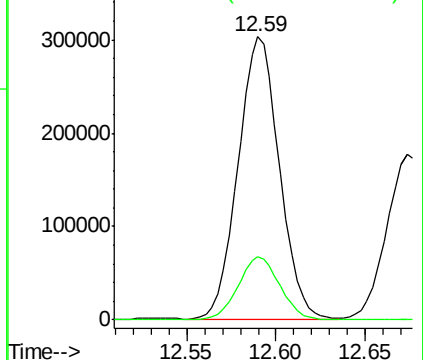
91 100

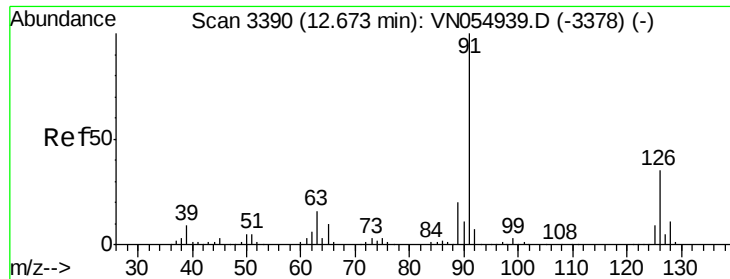
120 22.6 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.110 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

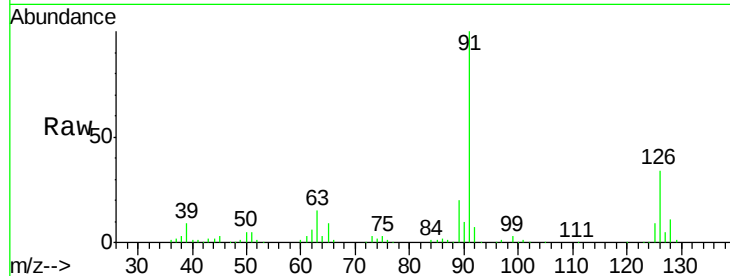
VN0404WBS01

Tgt Ion: 91 Resp: 299744

Ion Ratio Lower Upper

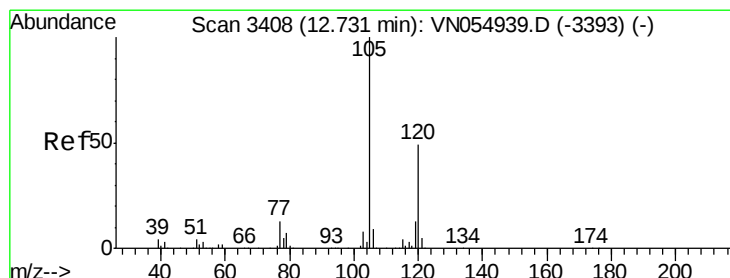
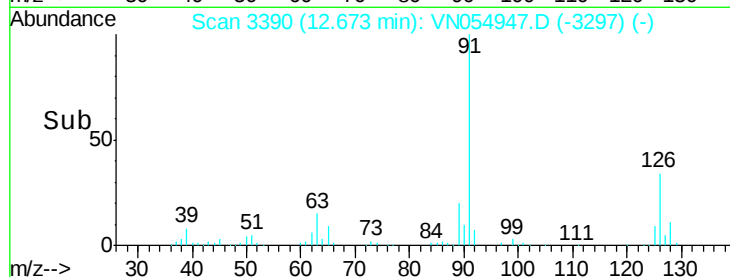
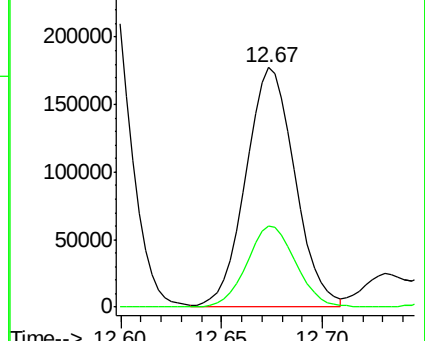
91 100

126 34.1 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN054947.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN054947.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.195 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054947.D

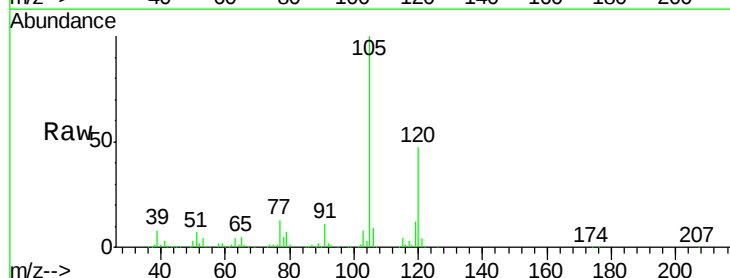
Acq: 4 Apr 2019 15:07

Tgt Ion: 105 Resp: 362057

Ion Ratio Lower Upper

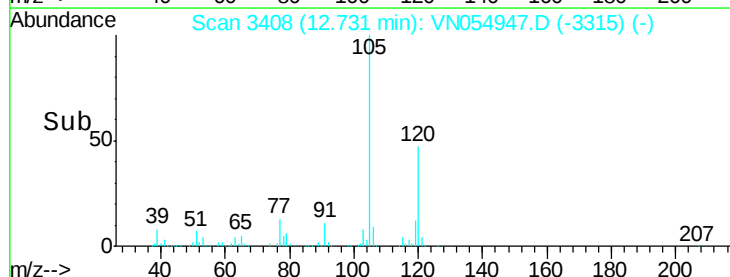
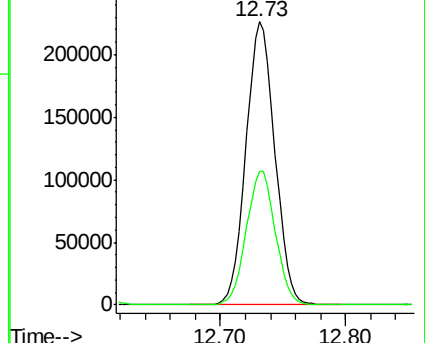
105 100

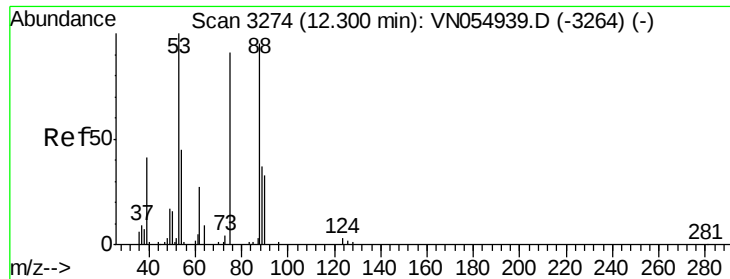
120 47.7 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VN054947.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN054947.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.532 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBS01

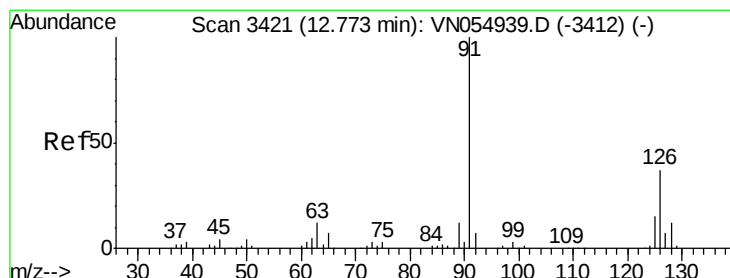
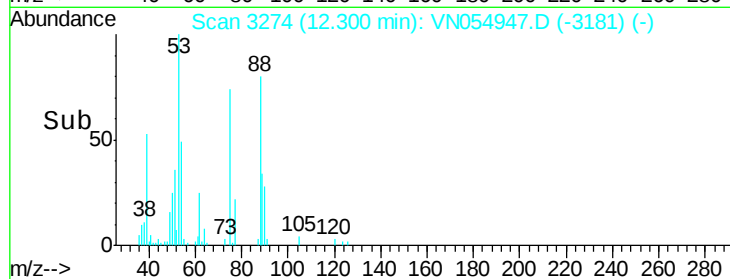
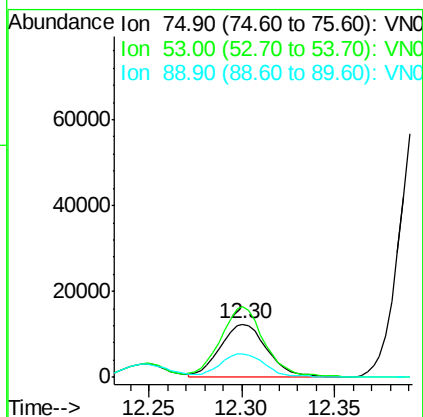
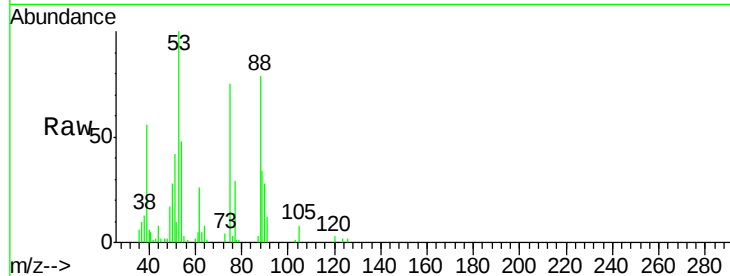
Tgt Ion: 75 Resp: 21851

Ion Ratio Lower Upper

75 100

53 125.5 92.8 139.2

89 42.9 36.7 55.1



#82

4-Chlorotoluene

Concen: 20.270 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054947.D

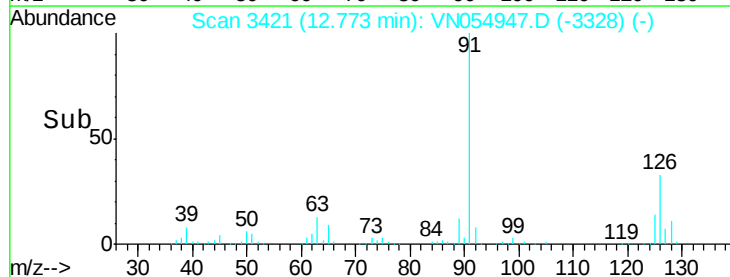
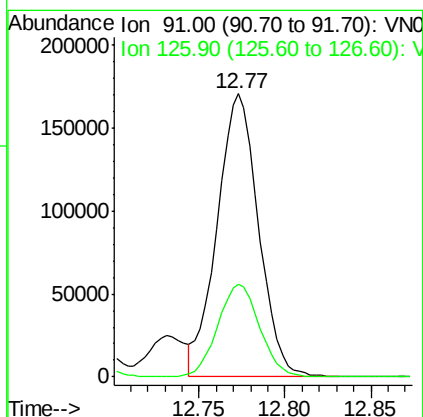
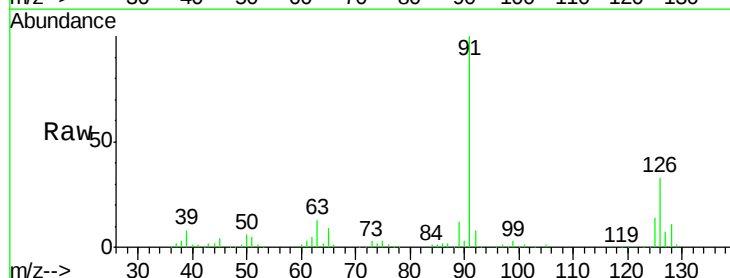
Acq: 4 Apr 2019 15:07

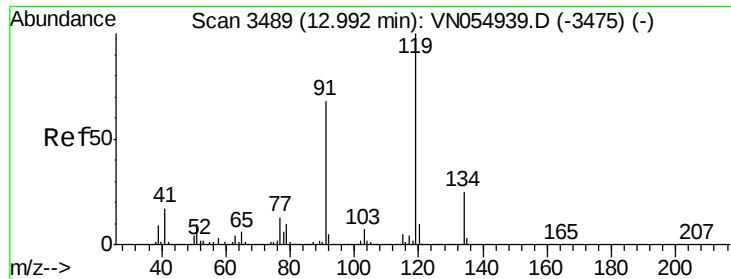
Tgt Ion: 91 Resp: 285781

Ion Ratio Lower Upper

91 100

126 33.4 16.9 50.7

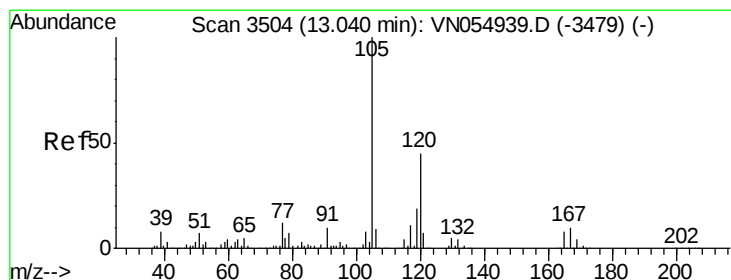
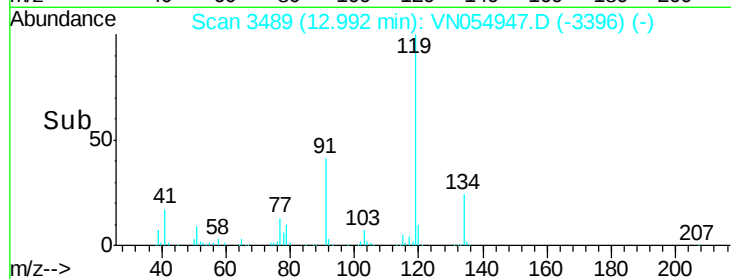
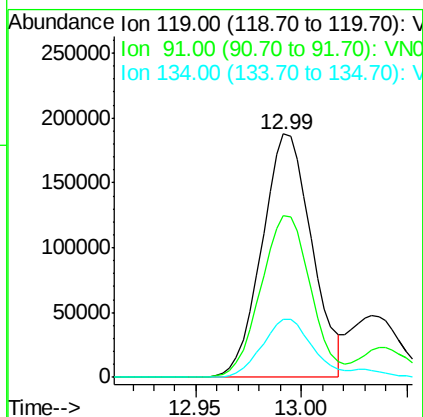
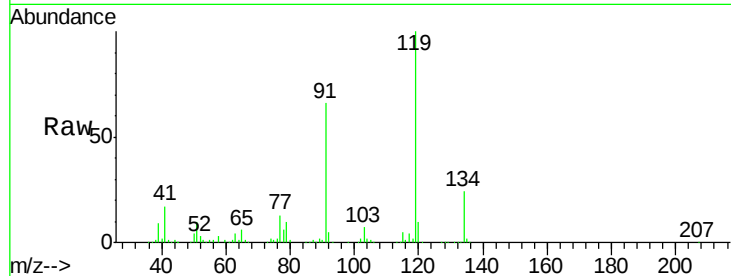




#83
 tert-Butylbenzene
 Concen: 20.250 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

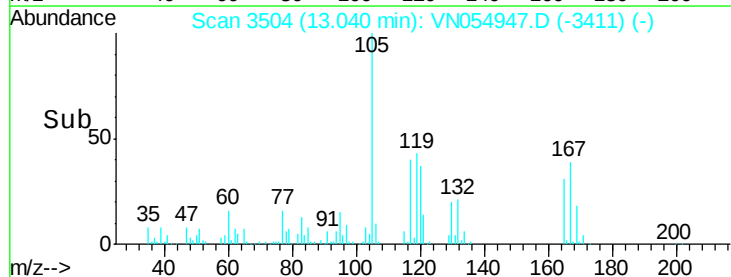
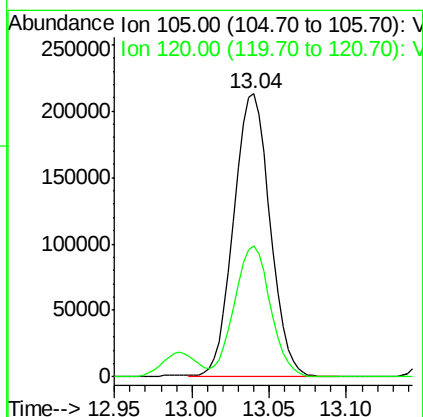
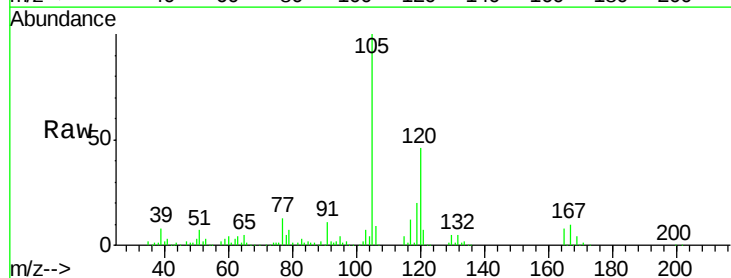
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBS01

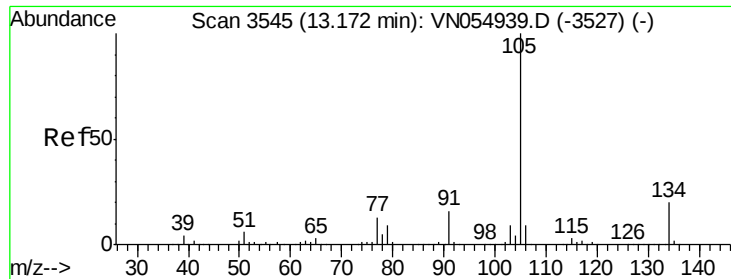
Tgt Ion:119 Resp: 308825
 Ion Ratio Lower Upper
 119 100
 91 66.4 33.5 100.5
 134 24.4 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.021 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Tgt Ion:105 Resp: 347284
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.4 67.3

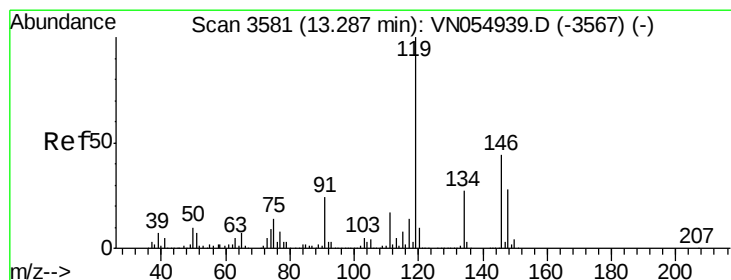
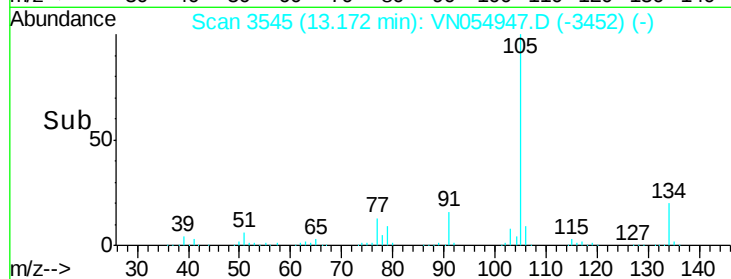
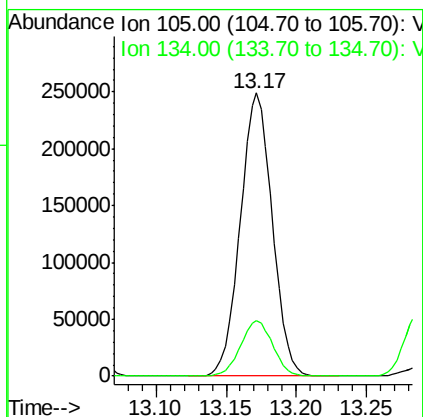
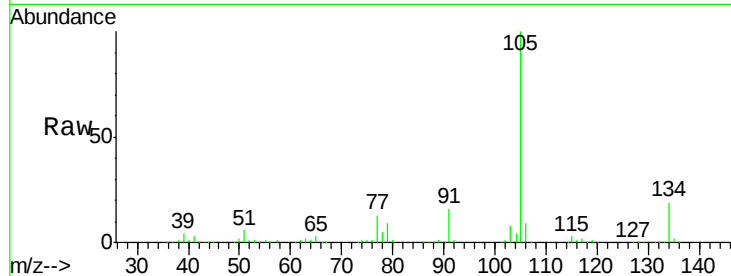




#85
 sec-Butylbenzene
 Concen: 20.037 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

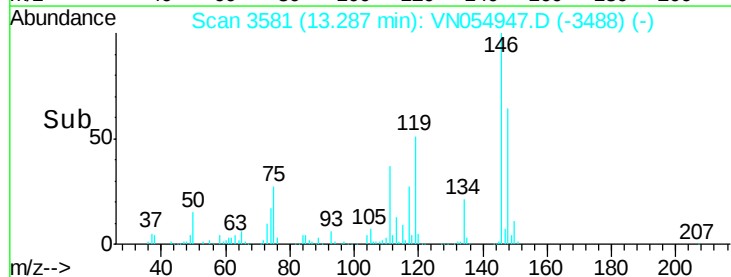
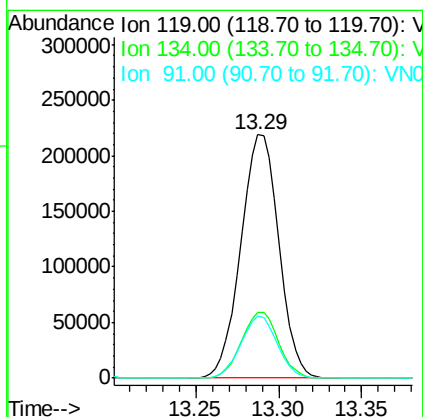
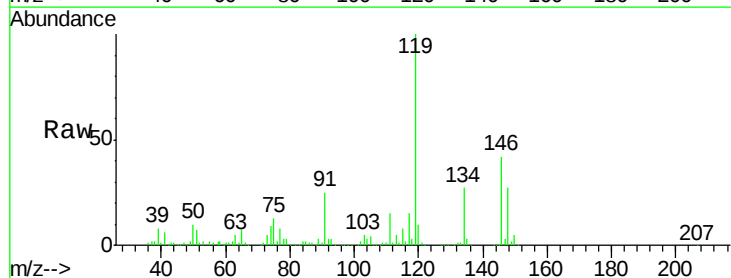
Instrument :
 MSVOA_N
 ClientSampled :
 VN0404WBS01

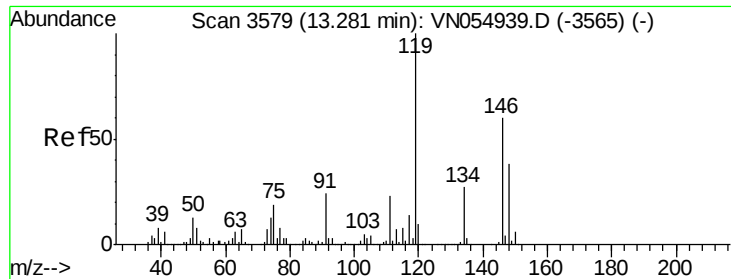
Tgt Ion:105 Resp: 395258
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 20.464 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Tgt Ion:119 Resp: 347821
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.5 40.5
 91 24.5 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 19.691 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampled :

VN0404WBS01

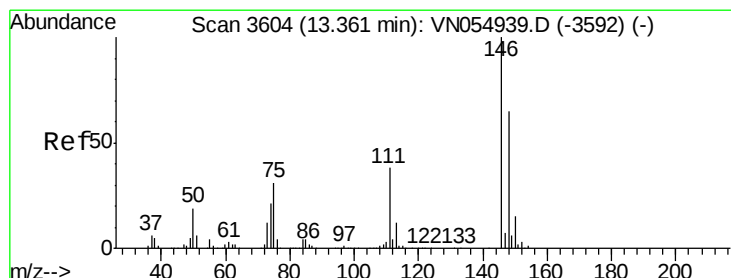
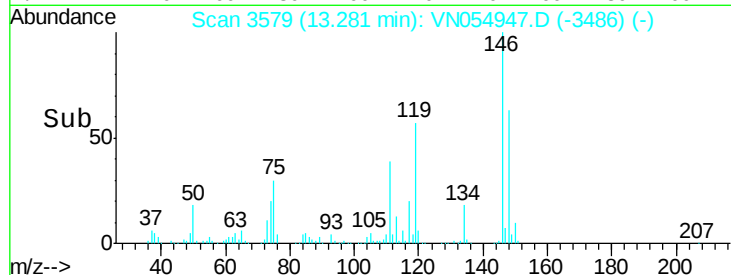
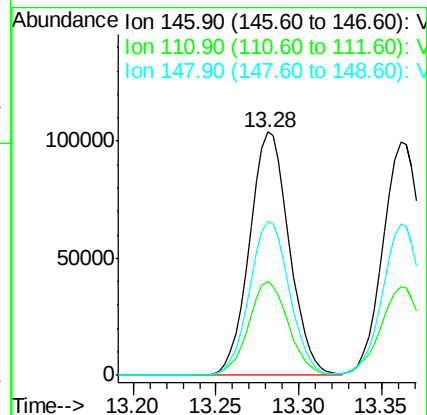
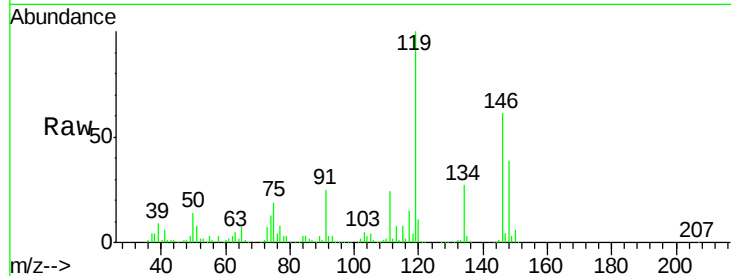
Tgt Ion:146 Resp: 173167

Ion Ratio Lower Upper

146 100

111 38.7 19.6 58.7

148 63.9 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 20.013 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

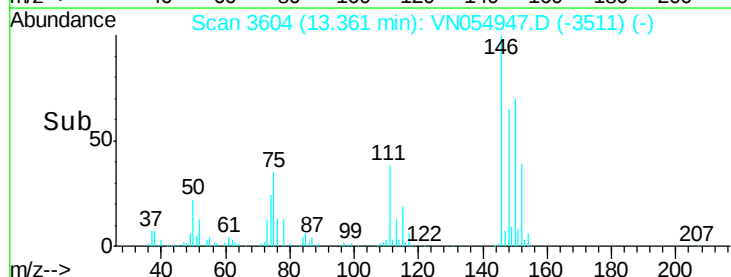
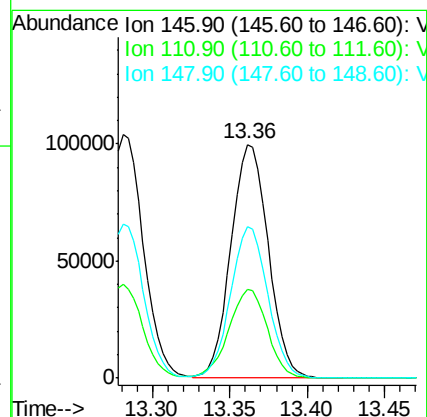
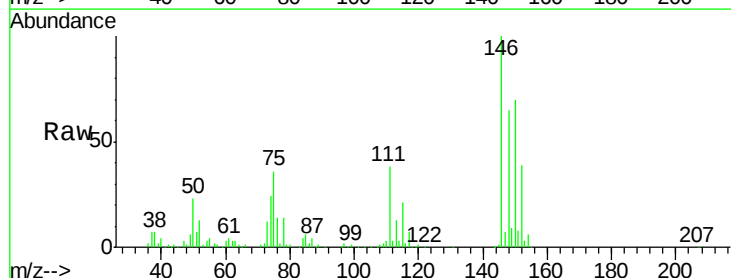
Tgt Ion:146 Resp: 167546

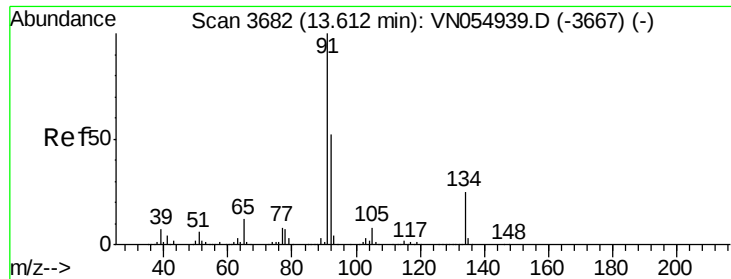
Ion Ratio Lower Upper

146 100

111 39.0 19.2 57.6

148 64.6 31.9 95.7

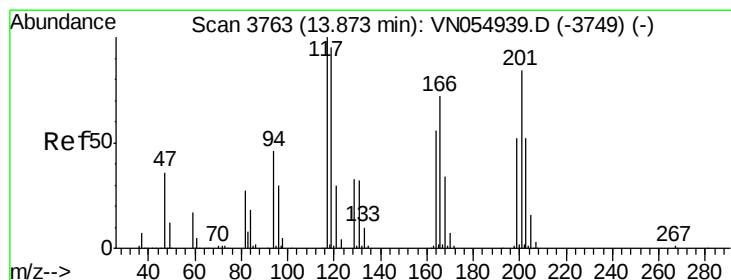
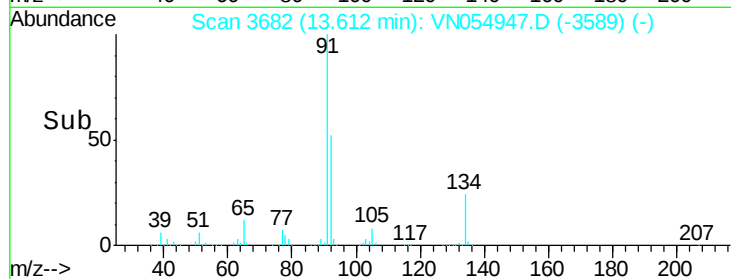
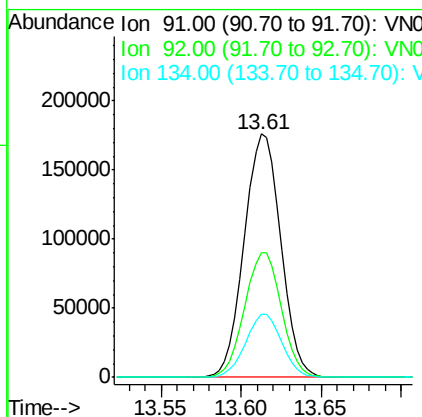
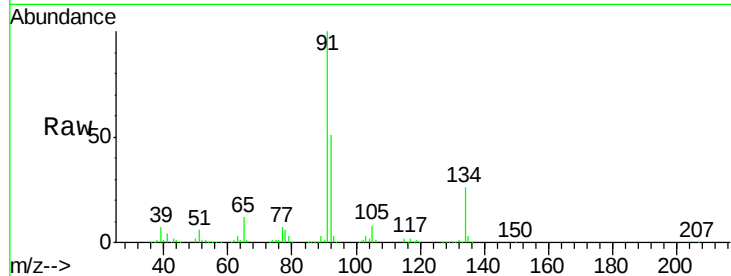




#89
n-Butylbenzene
Concen: 20.221 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

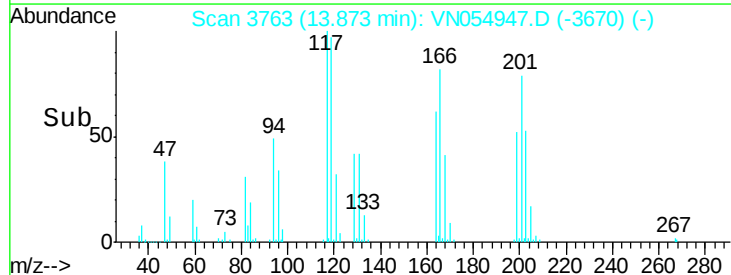
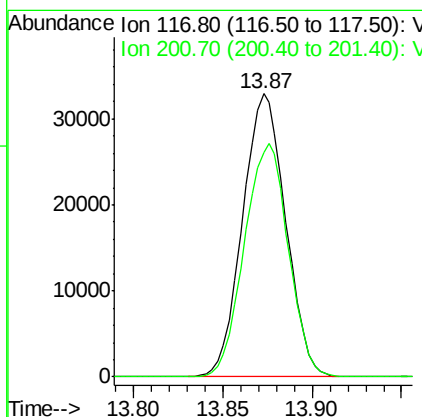
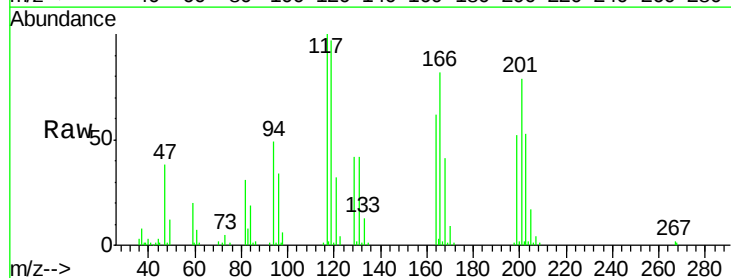
Instrument :
MSVOA_N
ClientSampled :
VN0404WBS01

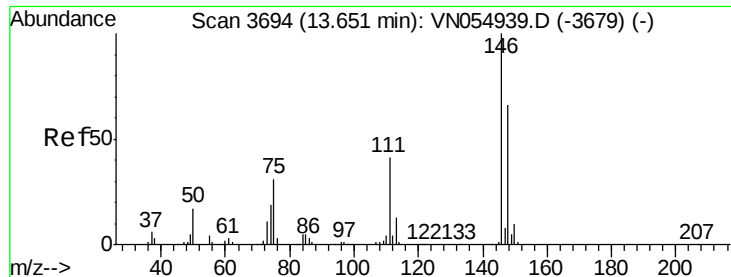
Tgt Ion: 91 Resp: 274672
Ion Ratio Lower Upper
91 100
92 51.6 26.1 78.2
134 25.7 12.6 37.8



#90
Hexachloroethane
Concen: 19.444 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Tgt Ion: 117 Resp: 55515
Ion Ratio Lower Upper
117 100
201 84.1 42.5 127.6





#91

1,2-Dichlorobenzene

Concen: 20.146 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampled :

VN0404WBS01

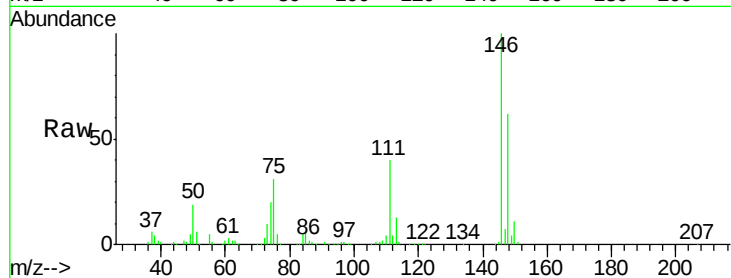
Tgt Ion:146 Resp: 173946

Ion Ratio Lower Upper

146 100

111 40.3 20.2 60.5

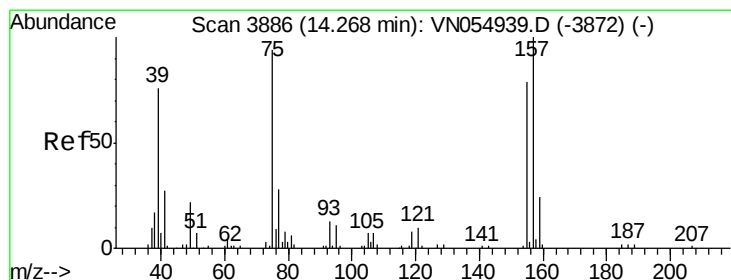
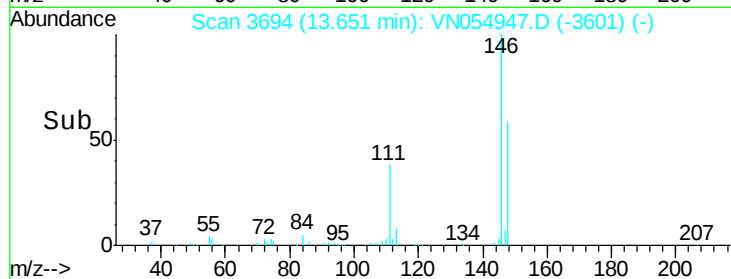
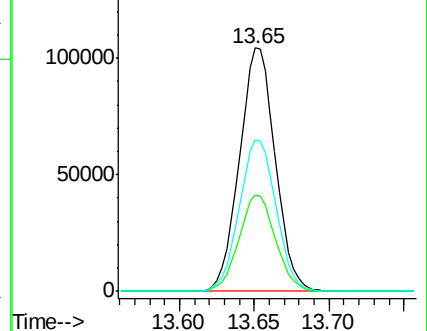
148 63.9 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.703 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

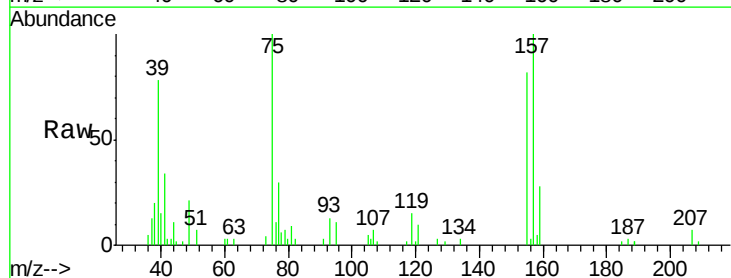
Tgt Ion: 75 Resp: 15470

Ion Ratio Lower Upper

75 100

155 81.9 41.5 124.6

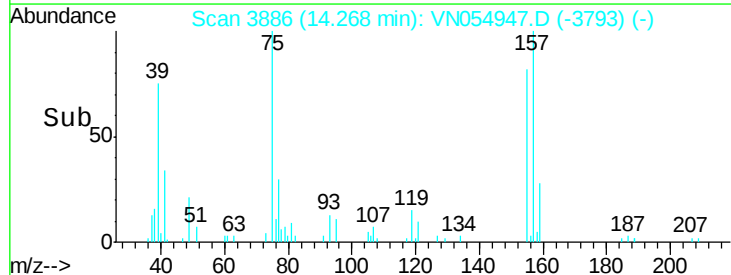
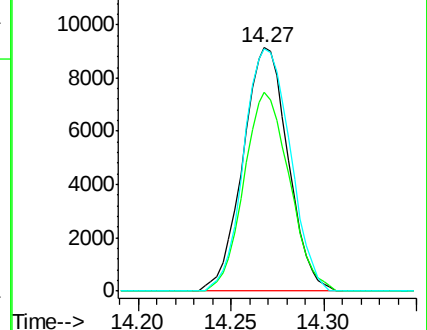
157 101.8 54.4 163.2

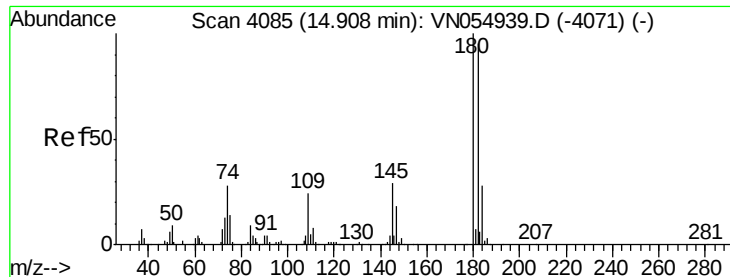


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 18.672 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBS01

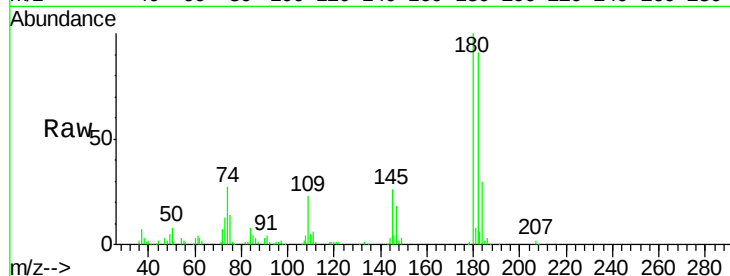
Tgt Ion:180 Resp: 76917

Ion Ratio Lower Upper

180 100

182 94.7 47.5 142.6

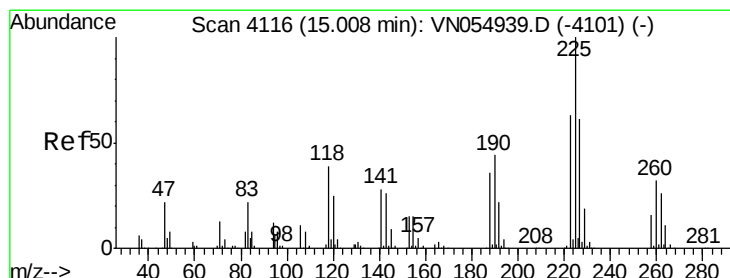
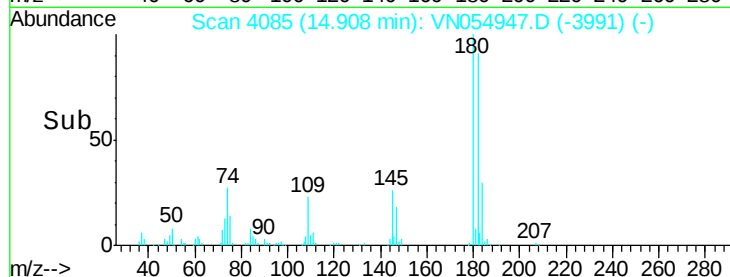
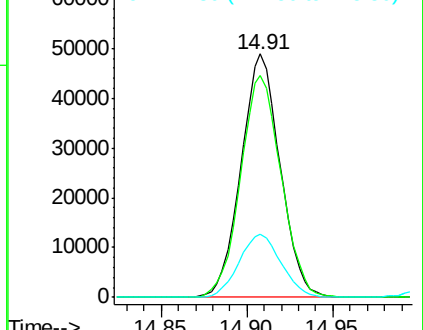
145 28.0 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 19.438 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

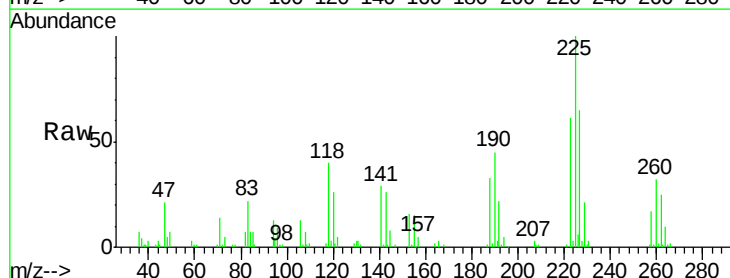
Tgt Ion:225 Resp: 56148

Ion Ratio Lower Upper

225 100

223 62.6 31.1 93.5

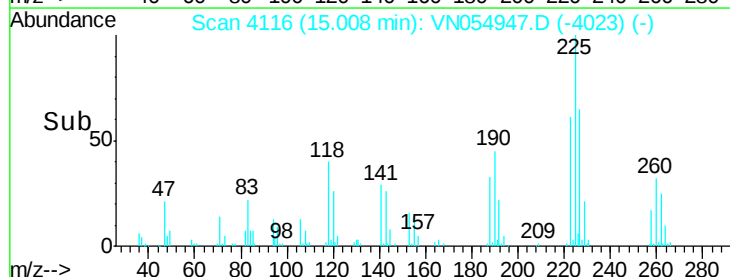
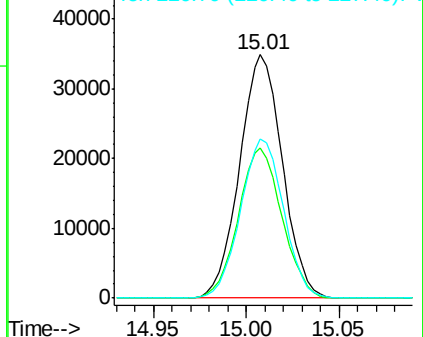
227 65.6 30.9 92.5

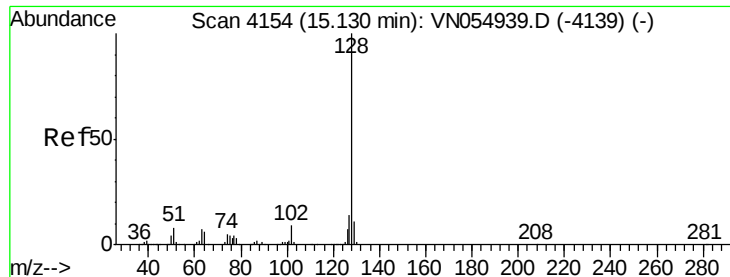


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.367 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBS01

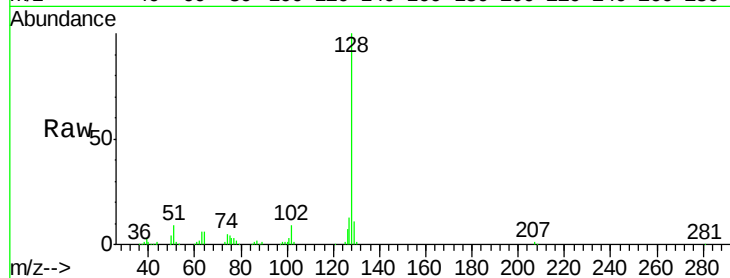
Tgt Ion:128 Resp: 160828

Ion Ratio Lower Upper

128 100

127 13.7 10.6 16.0

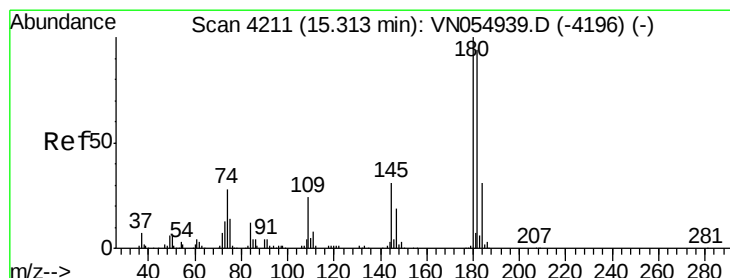
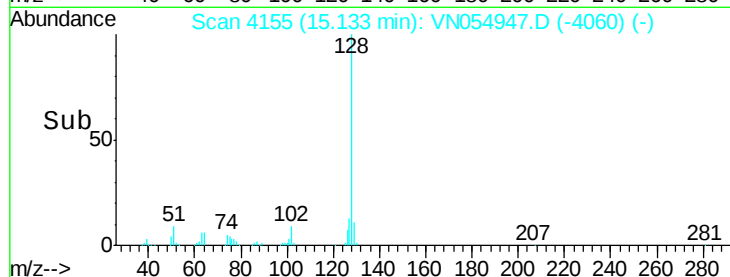
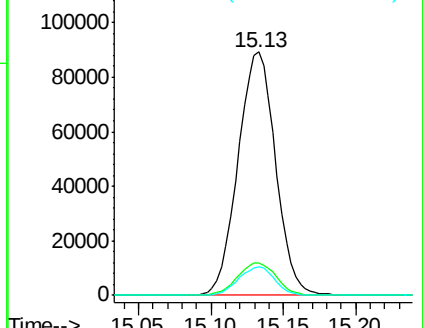
129 11.3 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.965 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

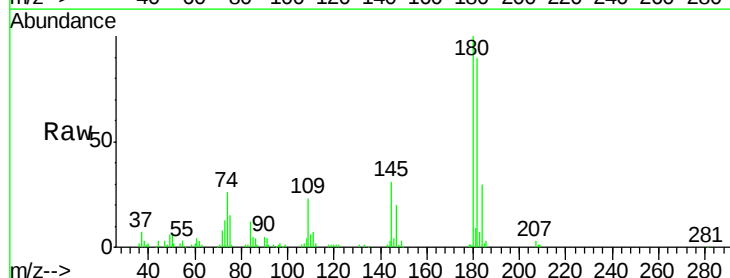
Tgt Ion:180 Resp: 79158

Ion Ratio Lower Upper

180 100

182 92.8 47.5 142.5

145 32.4 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

