

Data File : VN050911.D
Acq On : 28 Aug 2018 13:39
Operator : MD\SY
Sample : VSTDICC150
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Quant Time: Aug 29 01:22:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 29 01:19:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	123194	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	706037	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	639213	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	243876	31.02	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.40%
60) 4-Bromofluorobenzene	12.40	95	291852	30.70	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.33%
63) Toluene-d8	10.09	98	869497	29.17	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.23%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1222474	159.788	ug/l	100
3) Chloromethane	2.06	50	1379692	152.722	ug/l	99
4) Vinyl Chloride	2.18	62	1372232	153.732	ug/l	100
5) Bromomethane	2.54	94	834479	153.372	ug/l	100
6) Chloroethane	2.69	64	794468	150.897	ug/l	97
7) Trichlorofluoromethane	3.01	101	1826921	154.386	ug/l	99
8) Diethyl Ether	3.41	74	684111	163.972	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1121787	153.082	ug/l	99
10) 1,1-Dichloroethene	3.73	96	1059503	159.164	ug/l	98
11) Methyl Iodide	3.95	142	1214724	195.581	ug/l	99
12) Methyl Acetate	4.33	43	1280604	166.368	ug/l	99
13) Acrolein	3.61	56	122829	720.638	ug/l	98
14) Acrylonitrile	4.99	53	2168831	833.353	ug/l	98
15) Acetone	3.82	58	499053	749.366	ug/l	100
16) Carbon Disulfide	4.05	76	3139095	156.835	ug/l	100
17) Allyl chloride	4.32	41	1723790	164.578	ug/l	98
18) Methylene Chloride	4.55	84	1187704	152.009	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	1114828	157.186	ug/l	100
20) Diisopropyl ether	5.96	45	3492143	160.621	ug/l	95
21) 1,1-Dichloroethane	5.85	63	2061572	154.654	ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	1280484	159.831	ug/l	99
23) tert-Butyl Alcohol	4.80	59	487912	881.538	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	3050524	167.550	ug/l	100
25) Chloroform	7.37	83	2031771	152.709	ug/l	98
26) Cyclohexane	7.65	56	1830530	165.746	ug/l #	100
29) 1,1-Dichloropropene	7.80	75	1612806	152.582	ug/l	99
30) 2-Butanone	6.84	43	2441938	750.976	ug/l	100
31) 2,2-Dichloropropane	6.83	77	1591823	154.770	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	1766992	147.418	ug/l	99
33) Carbon Tetrachloride	7.78	117	1593451	147.620	ug/l	97
34) Benzene	8.04	78	4833556	147.819	ug/l #	91
35) Methacrylonitrile	7.18	41	537733	150.942	ug/l	97
36) 1,2-Dichloroethane	8.13	62	1437823	145.392	ug/l	100
37) Trichloroethene	8.84	130	1283917	150.225	ug/l	99
38) Methylcyclohexane	9.08	83	1817815	160.125	ug/l	97
39) 1,2-Dichloropropane	9.12	63	1267728	148.443	ug/l	98
40) Dibromomethane	9.21	93	760249	147.780	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	1613885	148.819	ug/l	99
42) Vinyl Acetate	5.90	43	11739155	783.783	ug/l	98
43) Ethyl Acetate	6.93	43	1040815	156.248	ug/l	94
44) Isopropyl Acetate	8.17	43	1874789	159.497	ug/l	97
45) 1,4-Dioxane	9.20	88	279306	3198.791	ug/l	98
46) Methyl methacrylate	9.20	41	964142	163.777	ug/l	98
47) n-amyl Acetate	12.07	43	1625372	171.993	ug/l	94
48) t-1,3-Dichloropropene	10.38	75	1735667	163.276	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	1920276	157.254	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	1106107	147.978	ug/l	99
51) Ethyl methacrylate	10.43	69	1526997	166.966	ug/l	98
52) 1,3-Dichloropropane	10.71	76	1870859	151.103	ug/l	99
53) Dibromochloromethane	10.90	129	1307736	153.859	ug/l	99
54) 1,2-Dibromoethane	11.01	107	1134833	153.540	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	3230962	849.064	ug/l	99
56) Bromoform	12.13	173	954841	157.955	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	5378747	735.443	ug/l	98
59) 2-Hexanone	10.75	43	3652096	763.961	ug/l	98
61) Tetrachloroethene	10.63	164	1154806	144.979	ug/l	99
62) Toluene	10.16	91	5251747	147.268	ug/l	100
64) Chlorobenzene	11.44	112	3321838	150.299	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	1252544	150.099	ug/l	99
66) Ethyl Benzene	11.51	91	5749871	155.659	ug/l	98
67) m/p-Xylenes	11.62	106	4376875	307.960	ug/l	100
68) o-Xylene	11.95	106	2120002	156.110	ug/l	99
69) Styrene	11.97	104	3433048	159.000	ug/l	99
70) Isopropylbenzene	12.25	105	5593791	155.014	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	1422729	145.617	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	1761506	209.631	ug/l	97
73) Bromobenzene	12.53	156	1456674	153.425	ug/l	99
74) n-propylbenzene	12.59	91	6385475	156.516	ug/l	99
75) 2-Chlorotoluene	12.68	91	3751841	151.375	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	4537068	153.854	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	414554	172.628	ug/l	92
78) 4-Chlorotoluene	12.77	91	3829025	156.898	ug/l	100
79) tert-butylbenzene	12.99	119	3973371	155.147	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	4614828	156.960	ug/l	99
81) sec-Butylbenzene	13.17	105	5218885	155.746	ug/l	99
82) p-Isopropyltoluene	13.29	119	4620356	159.744	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	2545517	158.580	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	2501677	164.483	ug/l	99
85) n-Butylbenzene	13.62	91	3846515	174.293	ug/l	98
86) Hexachloroethane	13.88	117	843454	151.929	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	2442489	154.589	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	222472	162.761	ug/l	90
89) 1,2,4-Trichlorobenzene	14.91	180	1400430	199.098	ug/l	100
90) Hexachlorobutadiene	15.01	225	715503	149.721	ug/l	99
91) Naphthalene	15.14	128	3211372	213.014	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	1340100	189.866	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082818\
Quantitation Report (Not Reviewed)

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 29 01:19:11 2018
Response via : Initial Calibration

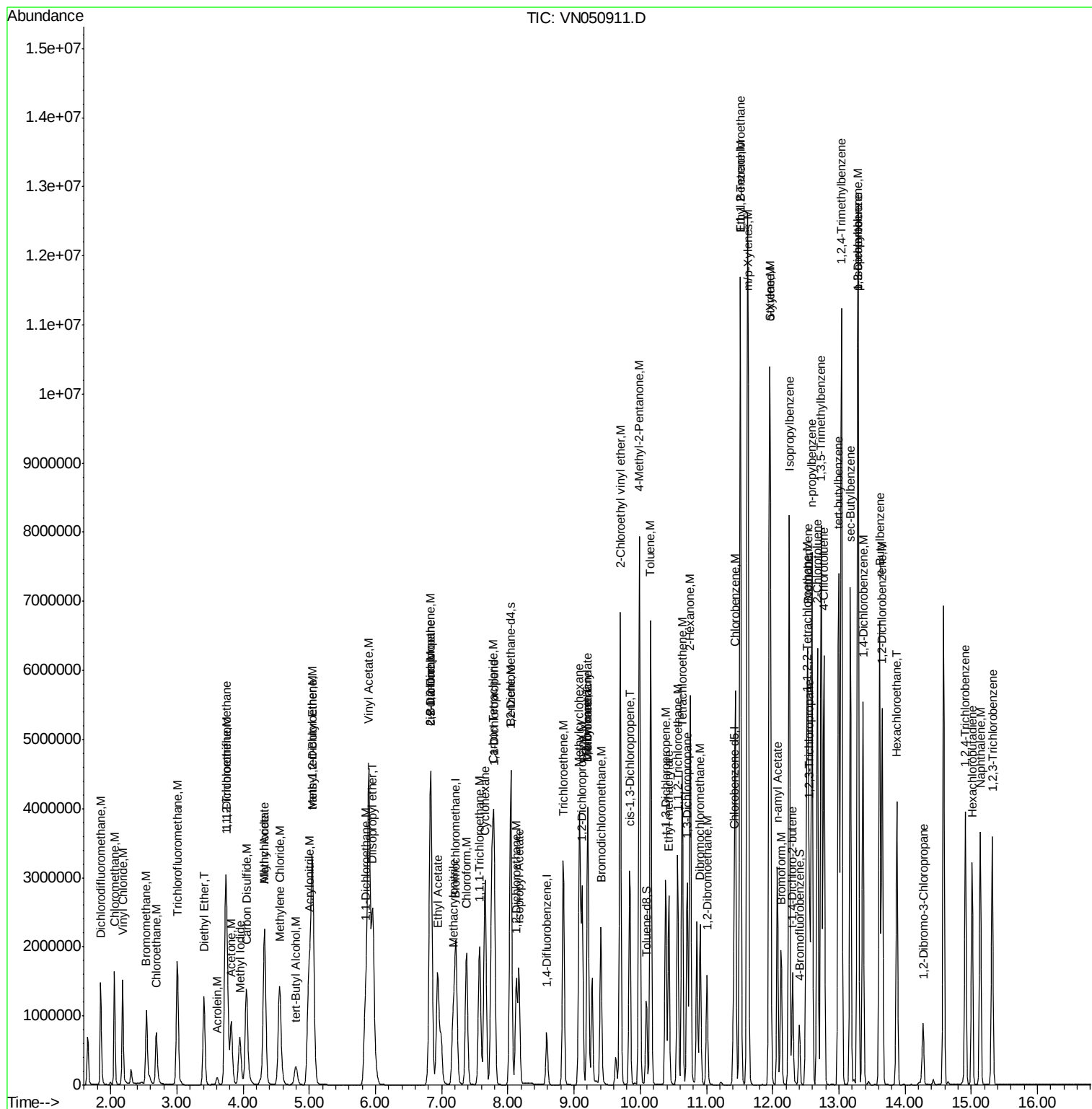
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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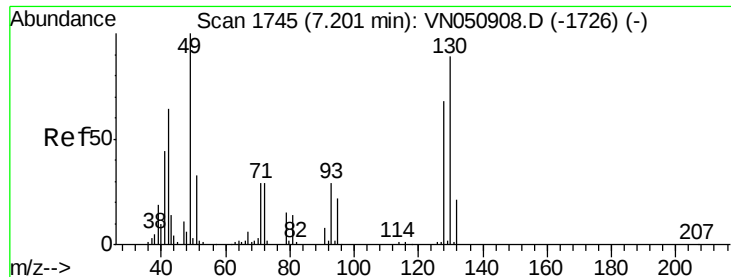
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 29 01:22:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050911.D

Acq: 28 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

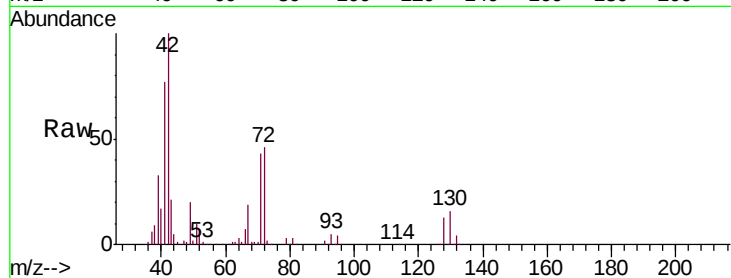
Tgt Ion:128 Resp: 123194

Ion Ratio Lower Upper

128 100

49 159.4 0.0 380.3

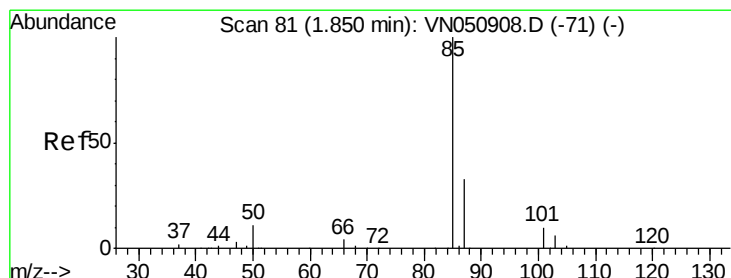
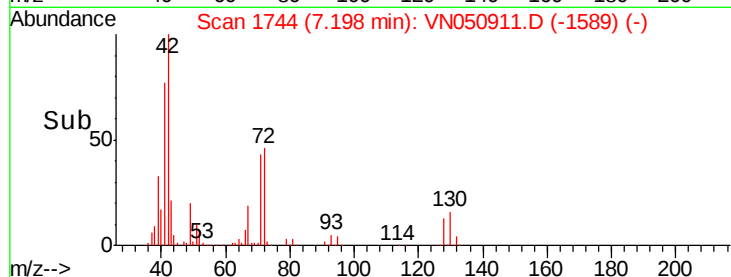
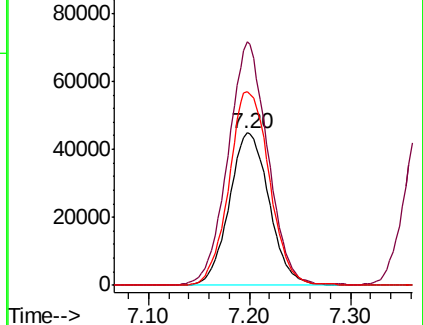
130 128.5 0.0 325.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 159.788 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050911.D

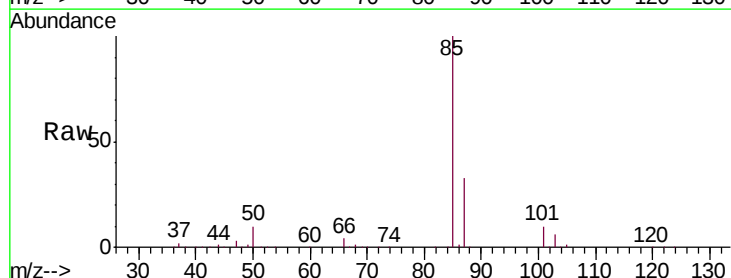
Acq: 28 Aug 2018 13:39

Tgt Ion: 85 Resp: 1222474

Ion Ratio Lower Upper

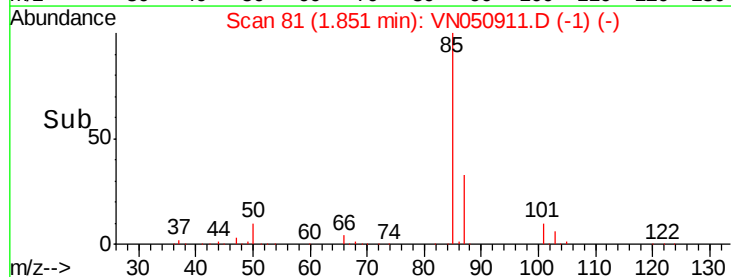
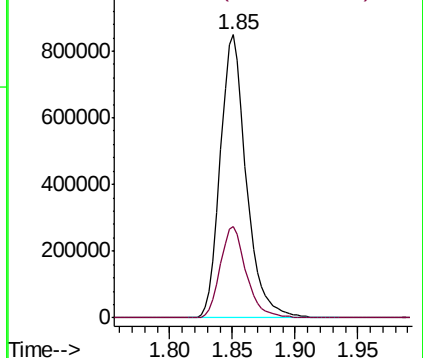
85 100

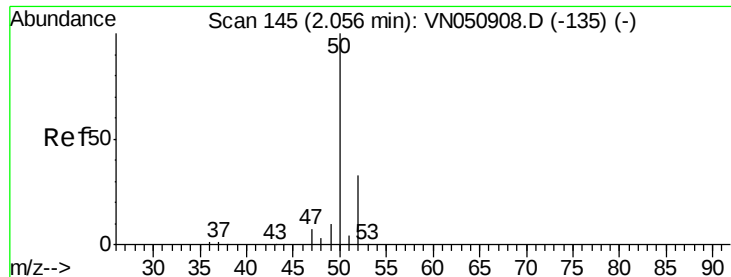
87 32.5 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): V

Ion 87.00 (86.70 to 87.70): V





#3

Chloromethane

Concen: 152.722 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050911.D

Acq: 28 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

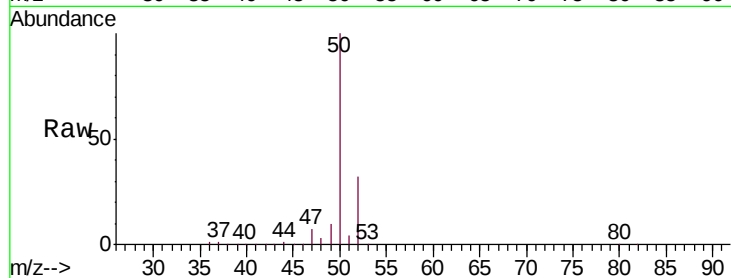
VSTDIC150

Tgt Ion: 50 Resp: 1379692

Ion Ratio Lower Upper

50 100

52 32.4 26.2 39.4



Abundance Ion 50.00 (49.70 to 50.70): VN050911.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VN050911.D (-1) (-)

1200000

1000000

800000

600000

400000

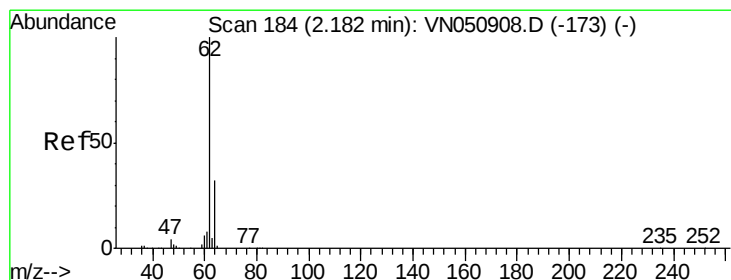
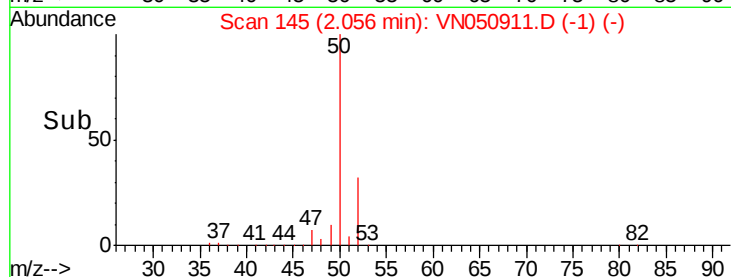
200000

0

2.06

2.00 2.05 2.10 2.15

Time-->



#4

Vinyl Chloride

Concen: 153.732 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050911.D

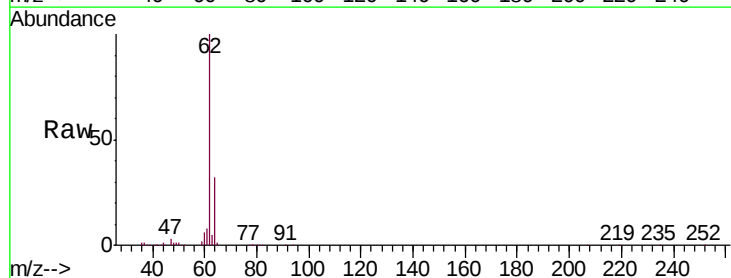
Acq: 28 Aug 2018 13:39

Tgt Ion: 62 Resp: 1372232

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VN050911.D (-28) (-)

Ion 64.00 (63.70 to 64.70): VN050911.D (-28) (-)

1000000

800000

600000

400000

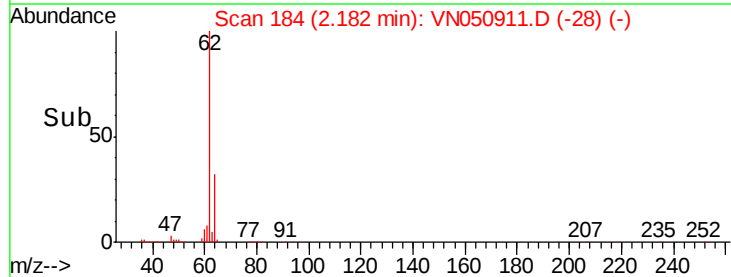
200000

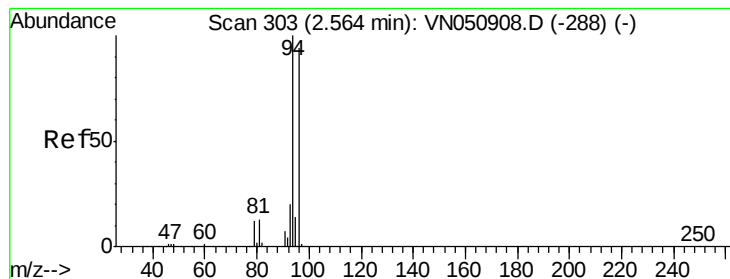
0

2.18

2.10 2.15 2.20 2.25 2.30

Time-->





#5

Bromomethane

Concen: 153.372 ug/l

RT: 2.54 min Scan# 296

Delta R.T. -0.02 min

Lab File: VN050911.D

Acq: 28 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

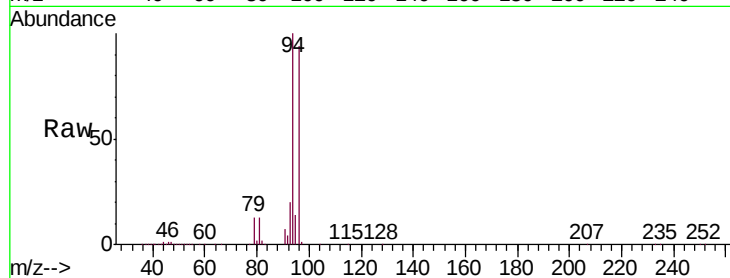
VSTDIC150

Tgt Ion: 94 Resp: 834479

Ion Ratio Lower Upper

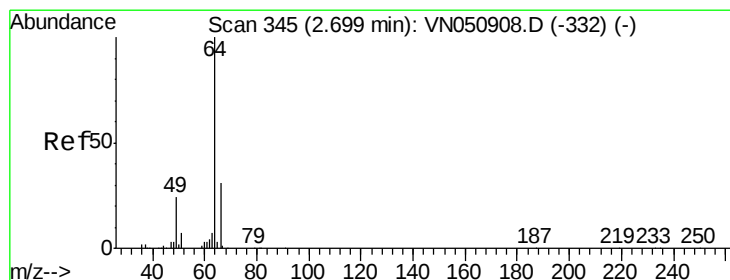
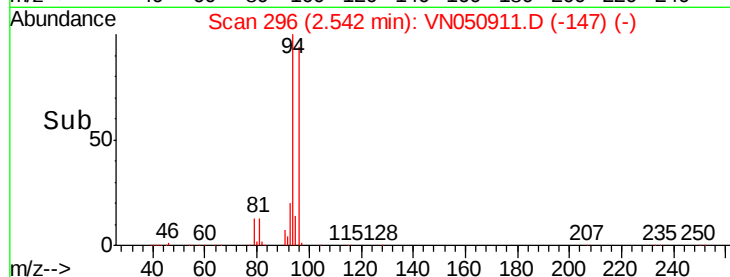
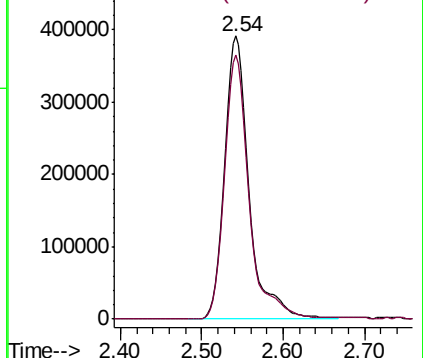
94 100

96 93.5 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 150.897 ug/l

RT: 2.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VN050911.D

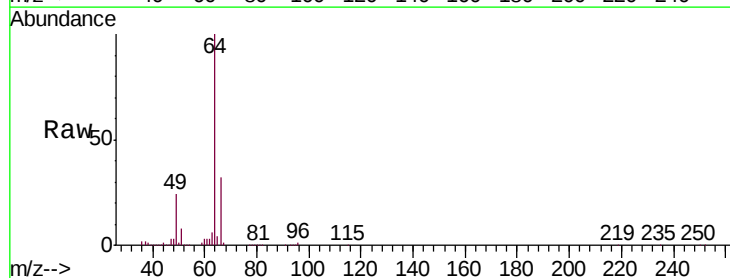
Acq: 28 Aug 2018 13:39

Tgt Ion: 64 Resp: 794468

Ion Ratio Lower Upper

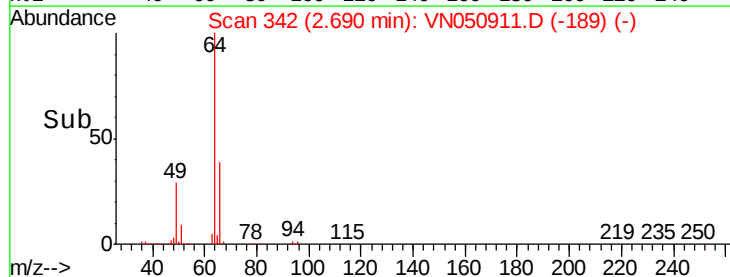
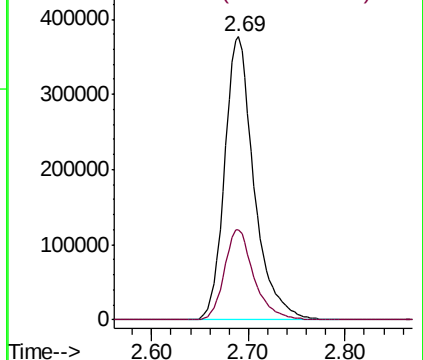
64 100

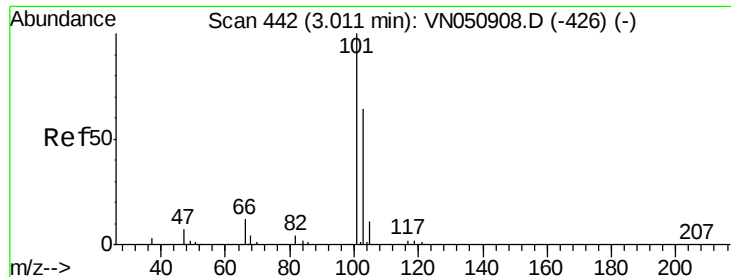
66 32.0 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



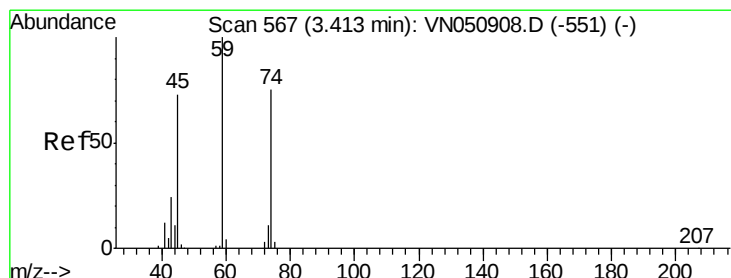
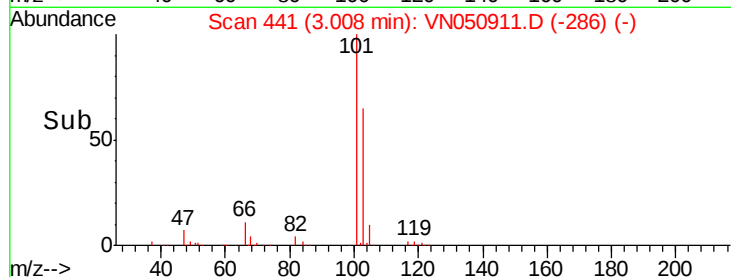
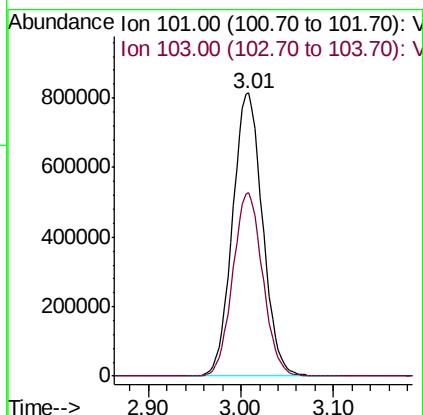
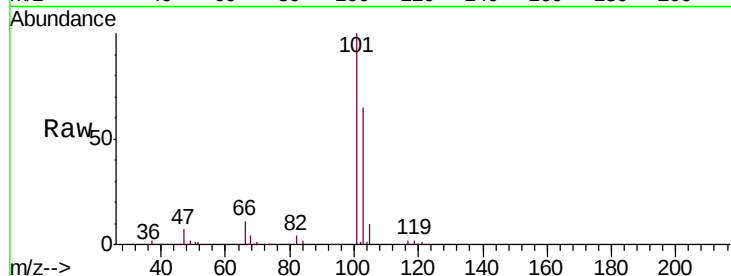


#7

Trichlorofluoromethane
 Concen: 154.386 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VN050911.D
 Acq: 28 Aug 2018 13:39

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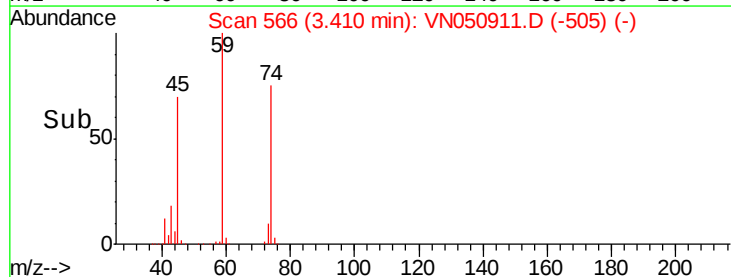
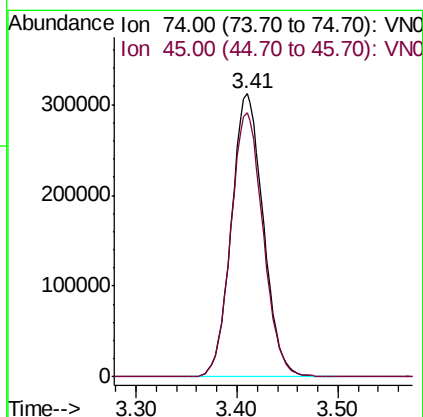
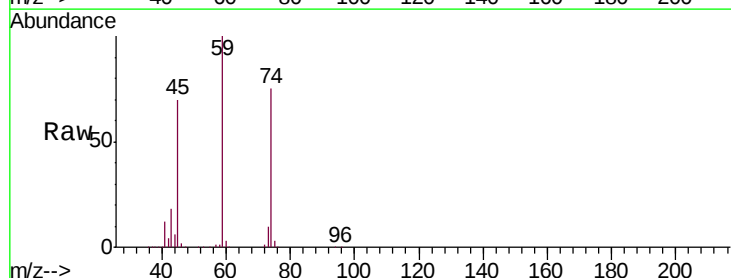
Tgt Ion:101 Resp: 1826921
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.3 76.9

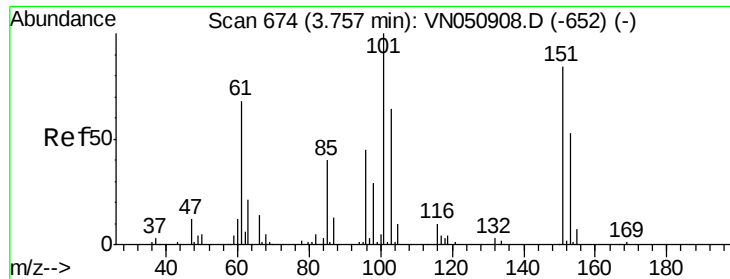


#8

Diethyl Ether
 Concen: 163.972 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050911.D
 Acq: 28 Aug 2018 13:39

Tgt Ion: 74 Resp: 684111
 Ion Ratio Lower Upper
 74 100
 45 94.5 19.7 177.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 153.082 ug/l

RT: 3.75 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN050911.D

Acq: 28 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

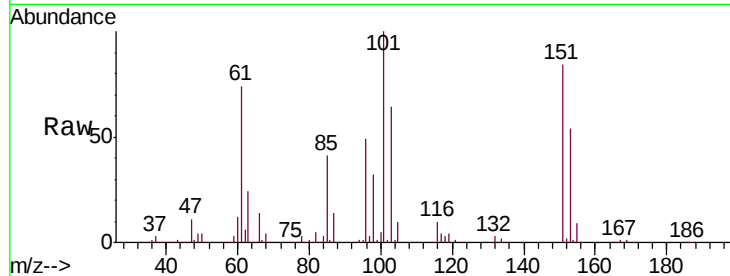
Tgt Ion: 101 Resp: 1121787

Ion Ratio Lower Upper

101 100

85 41.4 0.0 83.6

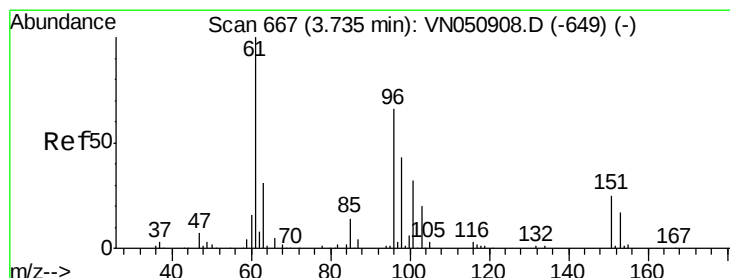
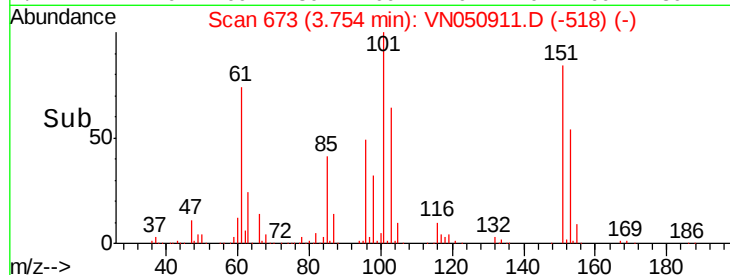
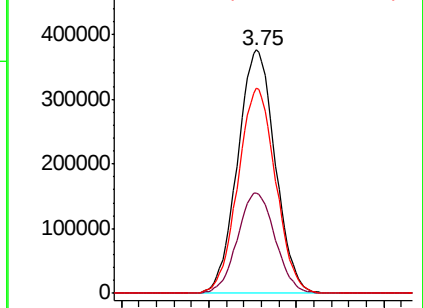
151 84.3 0.0 167.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 159.164 ug/l

RT: 3.73 min Scan# 666

Delta R.T. -0.00 min

Lab File: VN050911.D

Acq: 28 Aug 2018 13:39

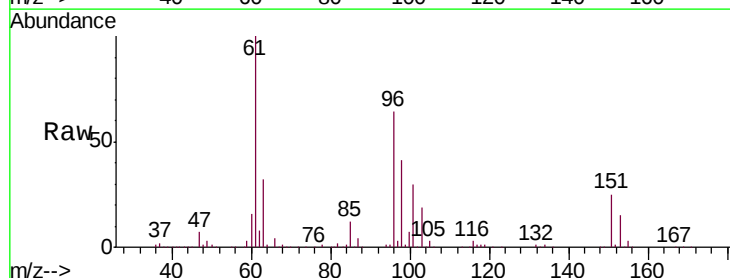
Tgt Ion: 96 Resp: 1059503

Ion Ratio Lower Upper

96 100

61 155.5 121.8 182.8

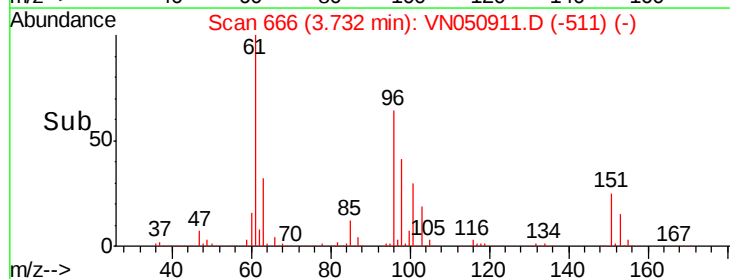
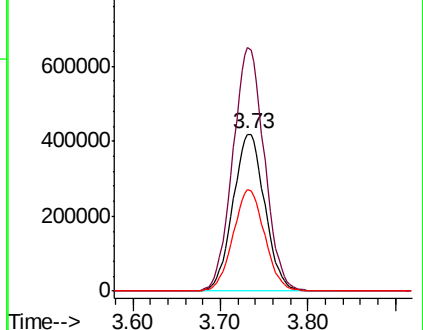
98 64.4 52.3 78.5

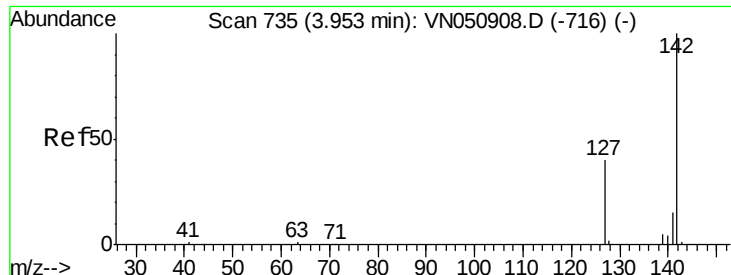


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

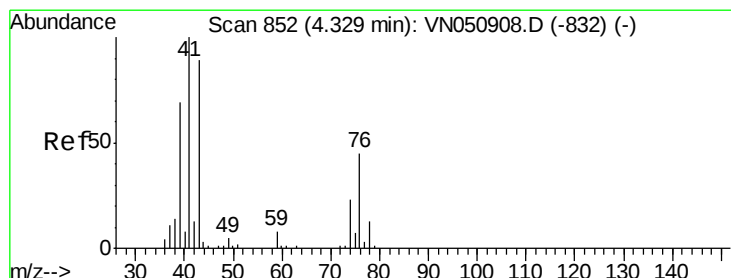
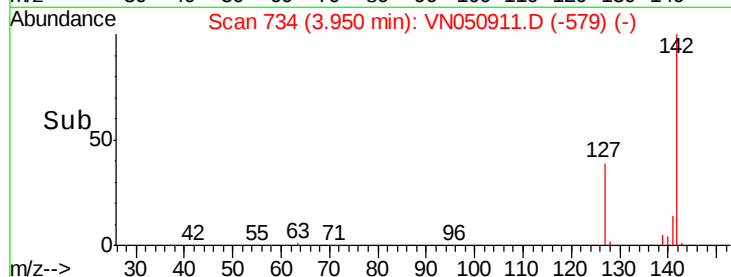
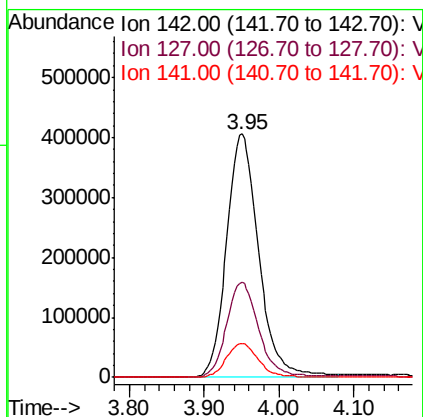
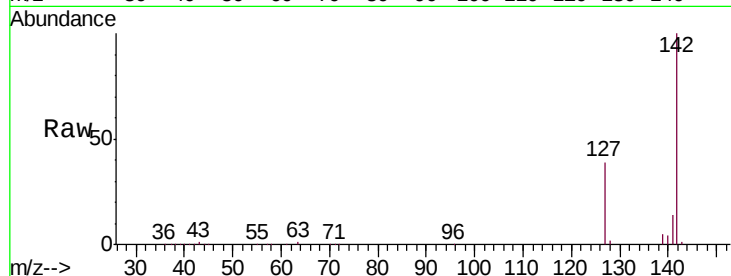




#11
Methyl Iodide
Concen: 195.581 ug/l
RT: 3.95 min Scan# 734
Delta R.T. -0.00 min
Lab File: VN050911.D
Acq: 28 Aug 2018 13:39

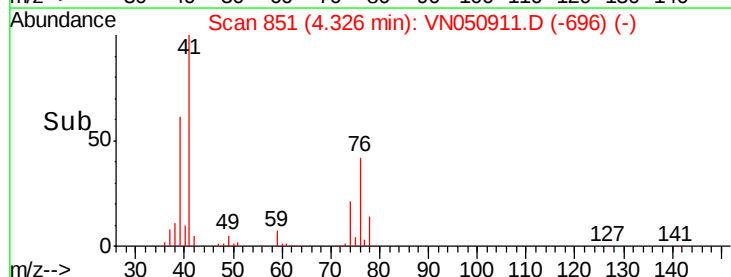
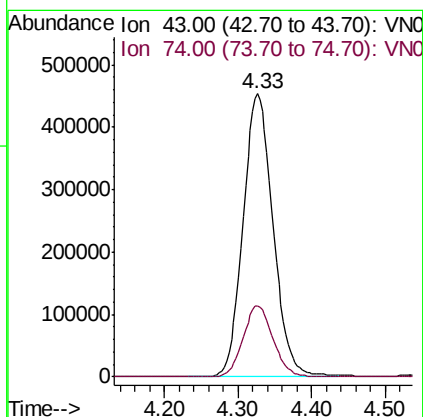
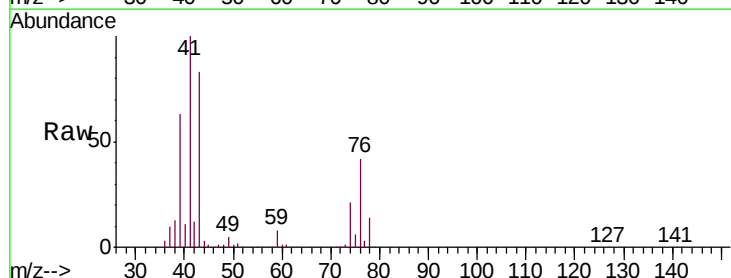
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

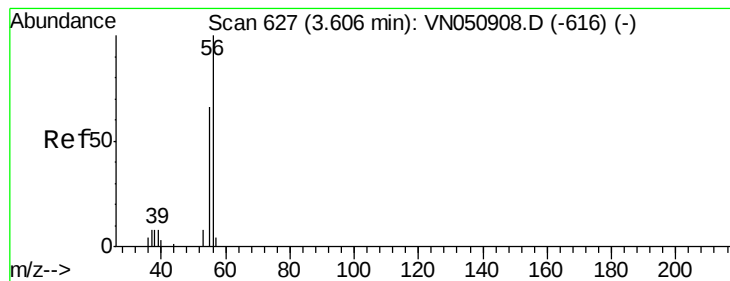
Tgt Ion:142 Resp: 1214724
Ion Ratio Lower Upper
142 100
127 39.1 19.7 59.1
141 14.1 7.3 22.0



#12
Methyl Acetate
Concen: 166.368 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN050911.D
Acq: 28 Aug 2018 13:39

Tgt Ion: 43 Resp: 1280604
Ion Ratio Lower Upper
43 100
74 25.1 20.6 31.0





#13

Acrolein

Concen: 720.638 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN050911.D

Acq: 28 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

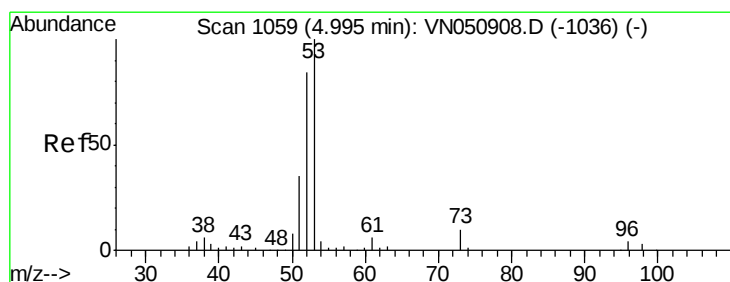
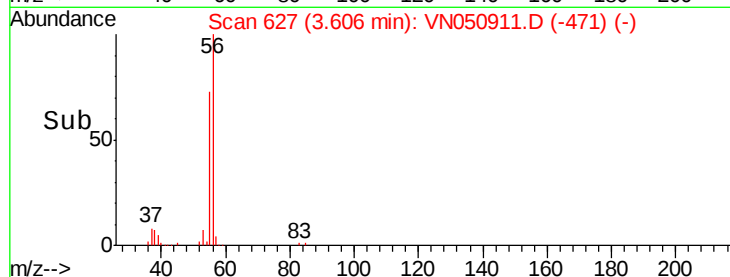
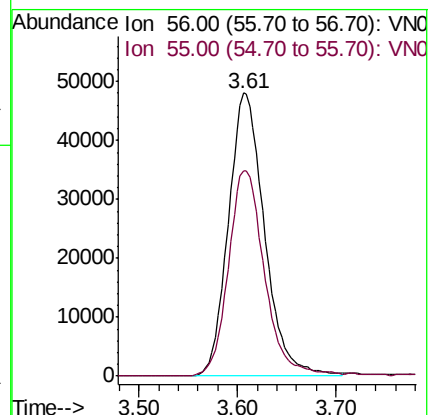
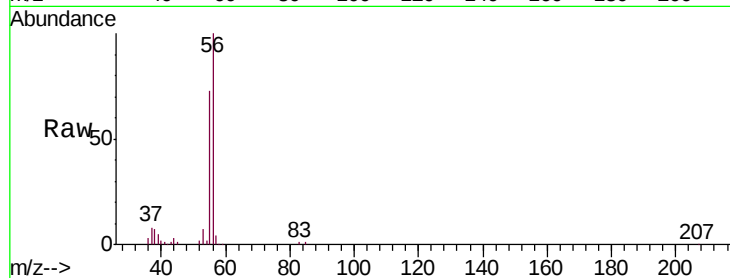
VSTDIC150

Tgt Ion: 56 Resp: 122829

Ion Ratio Lower Upper

56 100

55 72.2 59.1 88.7



#14

Acrylonitrile

Concen: 833.353 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050911.D

Acq: 28 Aug 2018 13:39

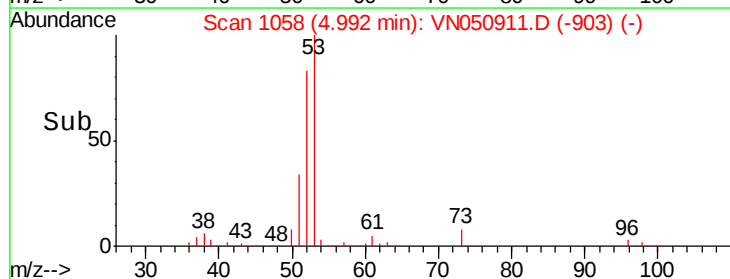
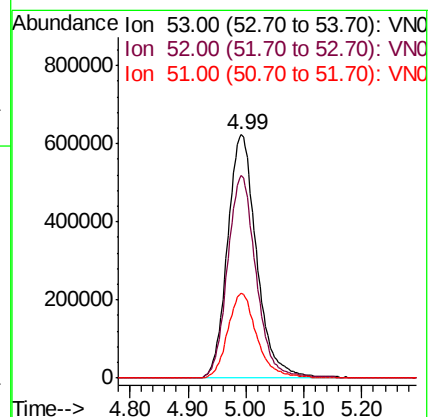
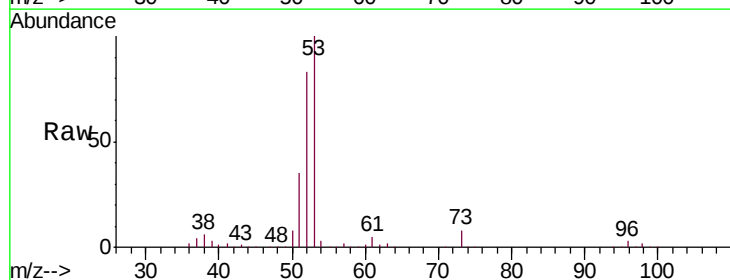
Tgt Ion: 53 Resp: 2168831

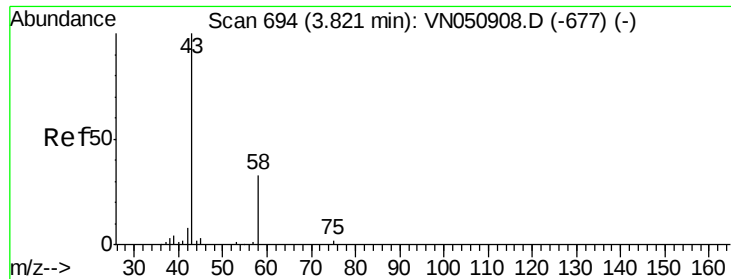
Ion Ratio Lower Upper

53 100

52 81.4 42.2 126.6

51 35.1 17.7 53.1





#15

Acetone

Concen: 749.366 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050911.D

Acq: 28 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

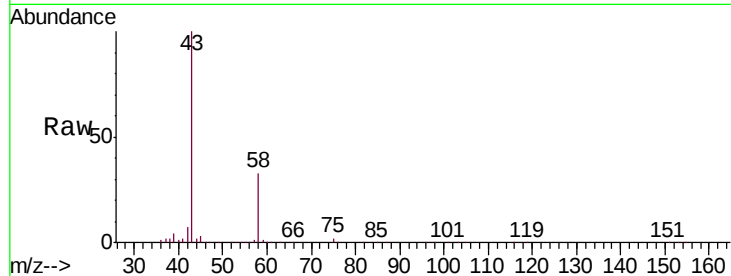
VSTDIC150

Tgt Ion: 58 Resp: 499053

Ion Ratio Lower Upper

58 100

43 298.4 239.4 359.0



Abundance Ion 58.00 (57.70 to 58.70): VN050908.D (-677) (-)

Ion 43.00 (42.70 to 43.70): VN050908.D (-677) (-)

600000

500000

400000

300000

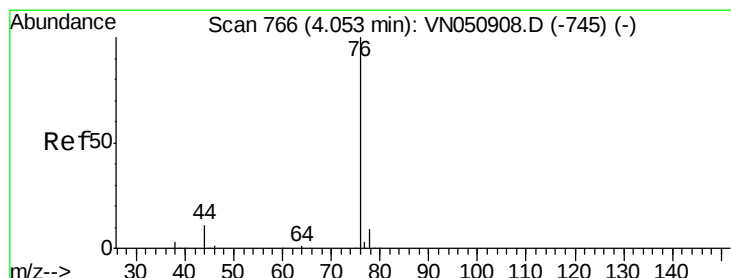
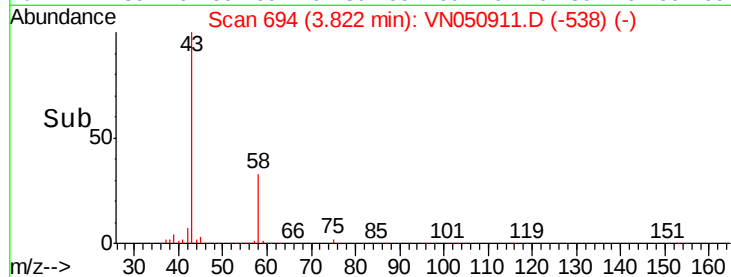
200000

100000

0

3.70 3.80 3.90

Time-->



#16

Carbon Disulfide

Concen: 156.835 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050911.D

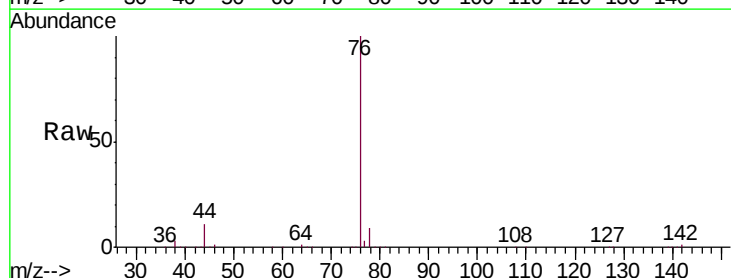
Acq: 28 Aug 2018 13:39

Tgt Ion: 76 Resp: 3139095

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN050908.D (-745) (-)

Ion 78.00 (77.70 to 78.70): VN050908.D (-745) (-)

1200000

1000000

800000

600000

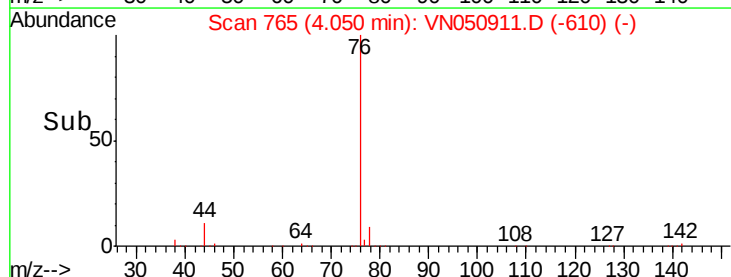
400000

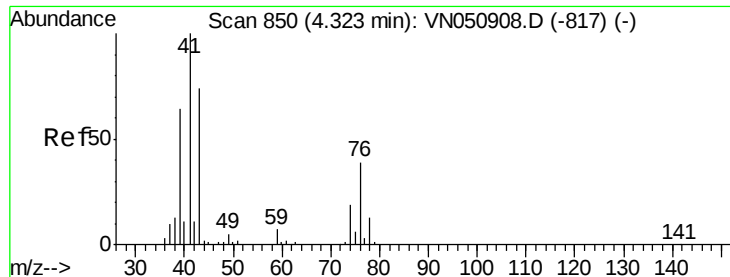
200000

0

3.90 4.00 4.10 4.20 4.30

Time-->

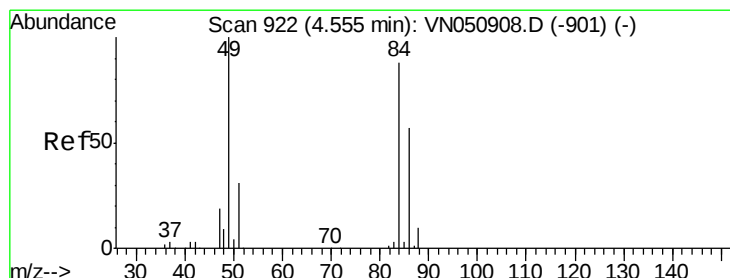
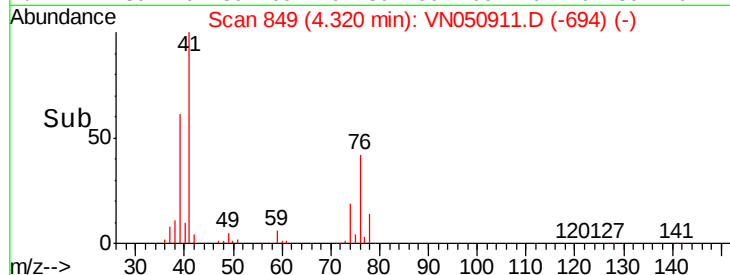
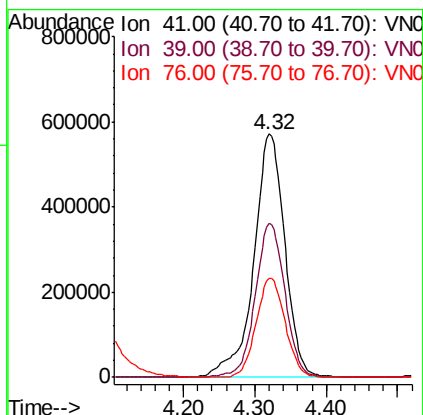
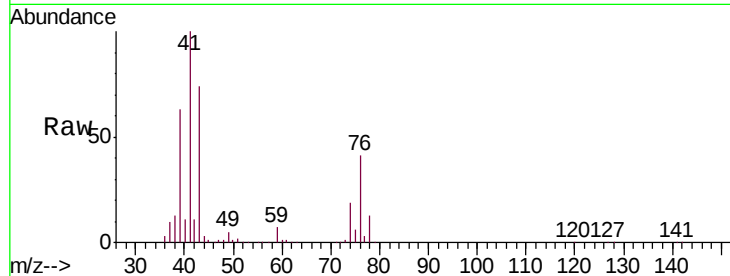




#17
 Allyl chloride
 Concen: 164.578 ug/l
 RT: 4.32 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: VN050911.D
 Acq: 28 Aug 2018 13:39

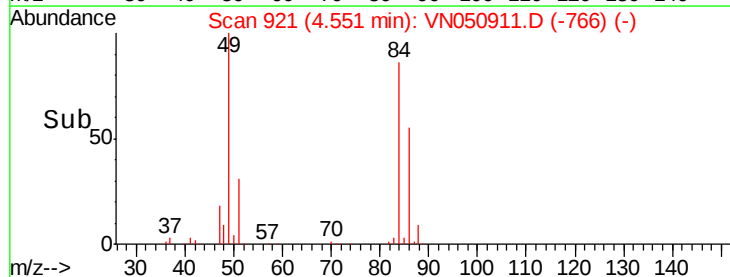
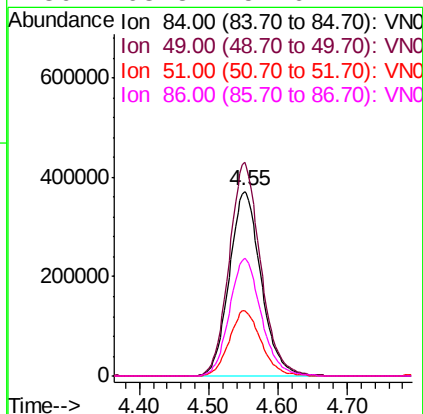
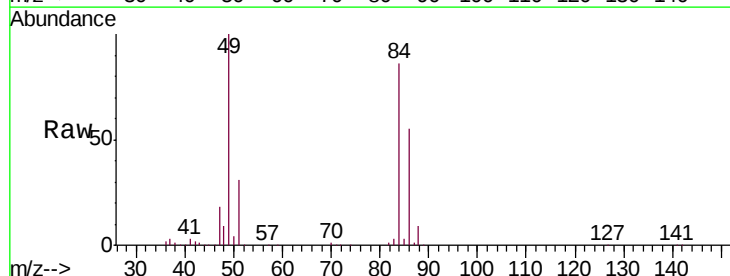
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

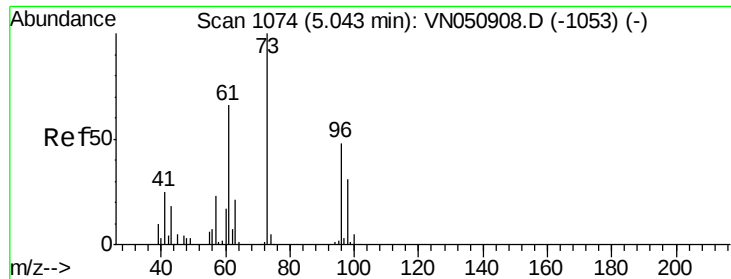
Tgt Ion: 41 Resp: 1723790
 Ion Ratio Lower Upper
 41 100
 39 63.2 32.2 96.6
 76 40.8 19.6 58.7



#18
 Methylene Chloride
 Concen: 152.009 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VN050911.D
 Acq: 28 Aug 2018 13:39

Tgt Ion: 84 Resp: 1187704
 Ion Ratio Lower Upper
 84 100
 49 115.8 90.6 135.8
 51 35.7 28.4 42.6
 86 63.8 51.6 77.4

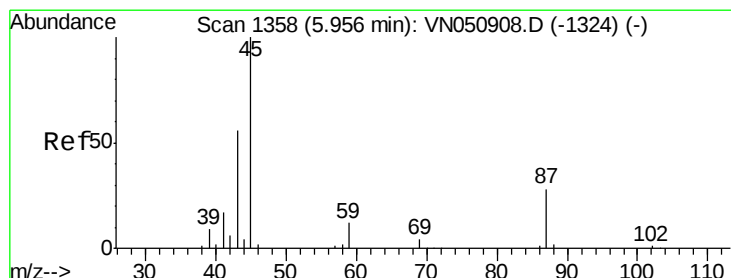
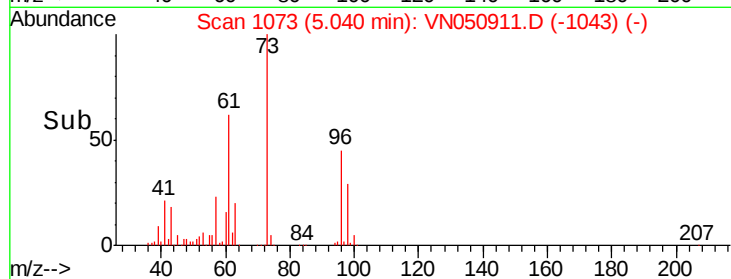
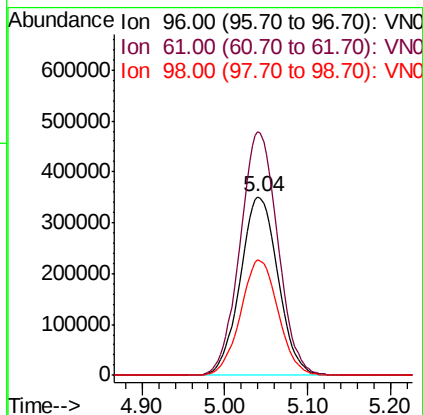
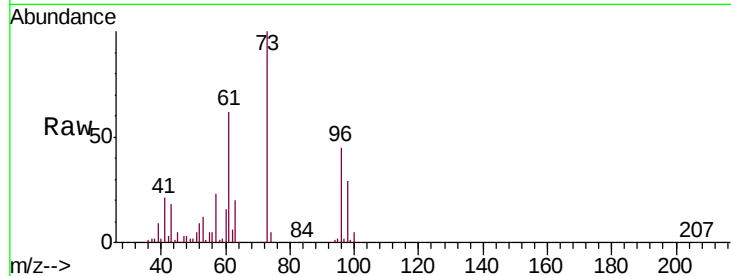




#19
trans-1,2-Dichloroethene
Concen: 157.186 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN050911.D
Acq: 28 Aug 2018 13:39

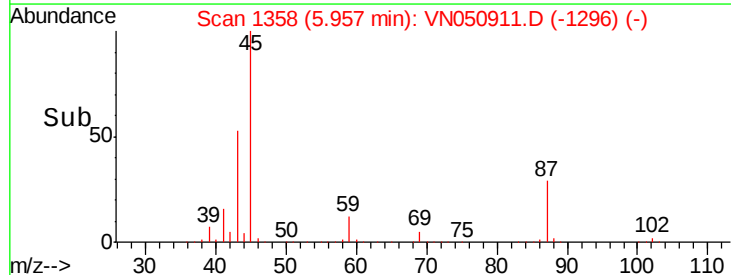
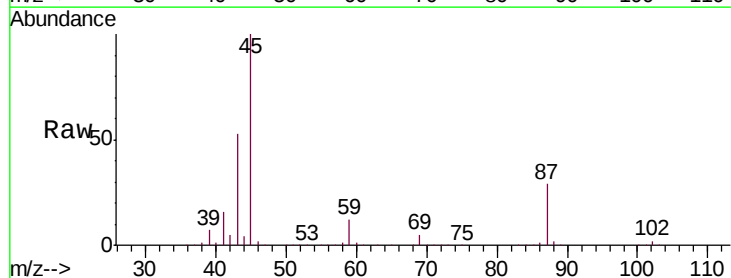
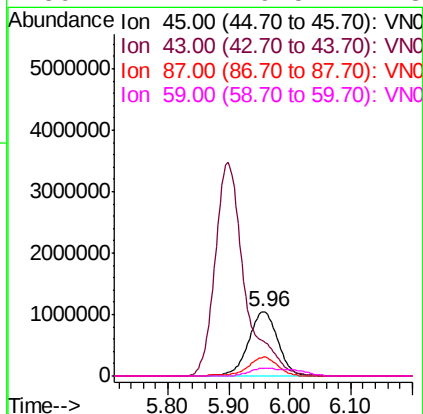
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

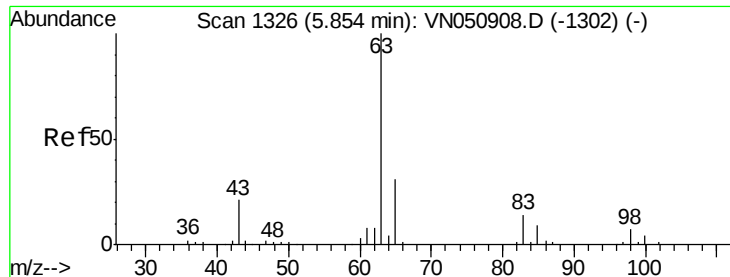
Tgt Ion: 96 Resp: 1114828
Ion Ratio Lower Upper
96 100
61 136.4 109.5 164.3
98 64.6 51.9 77.9



#20
Diisopropyl ether
Concen: 160.621 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050911.D
Acq: 28 Aug 2018 13:39

Tgt Ion: 45 Resp: 3492143
Ion Ratio Lower Upper
45 100
43 53.0 47.0 70.6
87 29.2 22.8 34.2
59 12.2 9.5 14.3

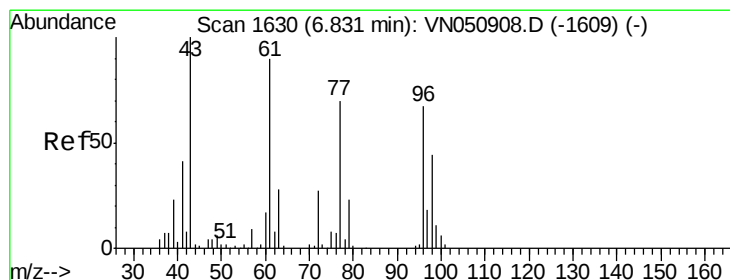
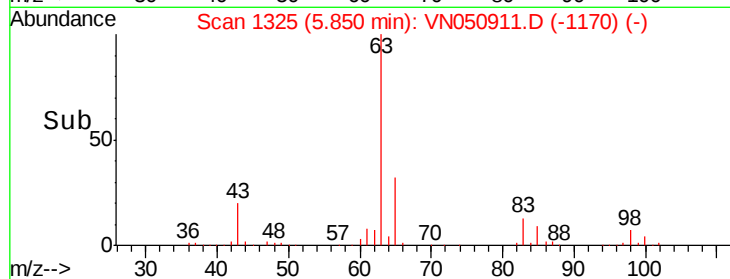
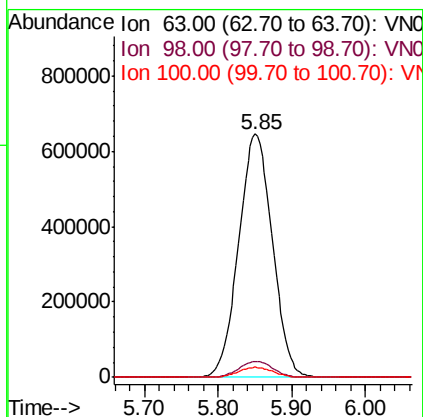
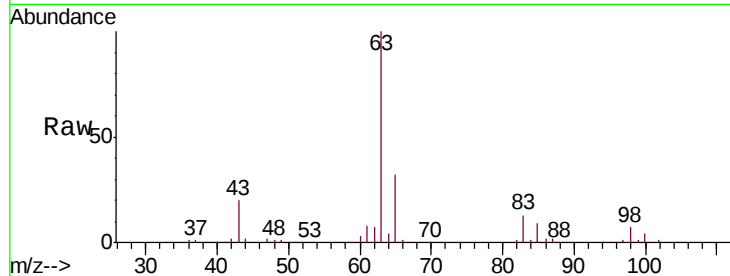




#21
 1,1-Dichloroethane
 Concen: 154.654 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN050911.D
 Acq: 28 Aug 2018 13:39

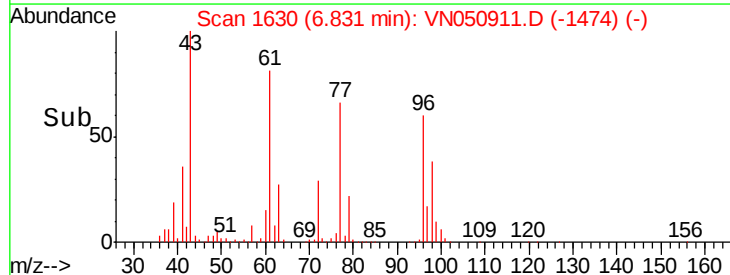
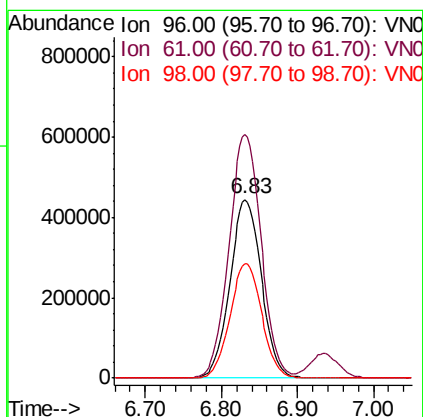
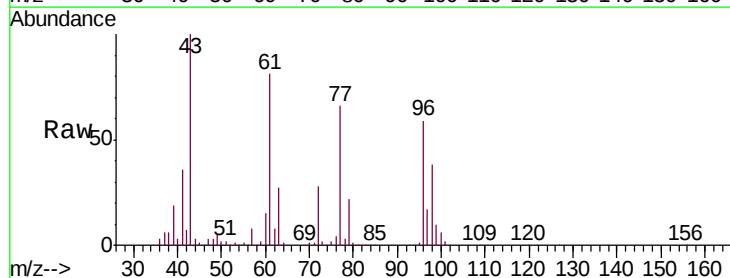
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

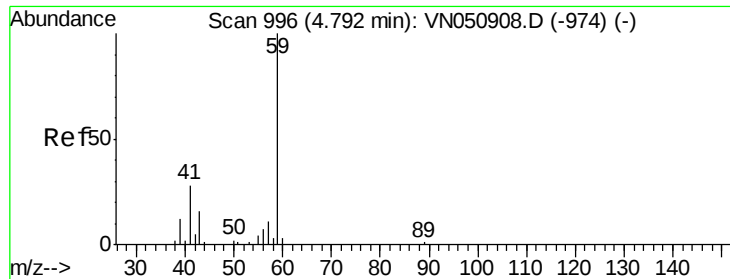
Tgt Ion: 63 Resp: 2061572
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.3 9.9
 100 4.1 2.0 6.0



#22
 cis-1,2-Dichloroethene
 Concen: 159.831 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050911.D
 Acq: 28 Aug 2018 13:39

Tgt Ion: 96 Resp: 1280484
 Ion Ratio Lower Upper
 96 100
 61 139.2 110.0 165.0
 98 64.8 51.7 77.5

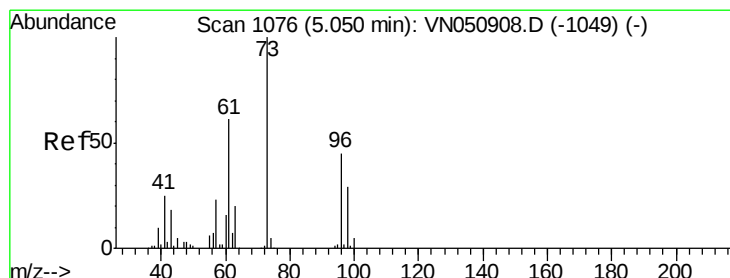
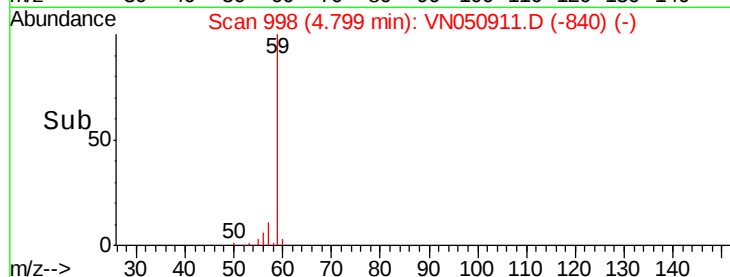
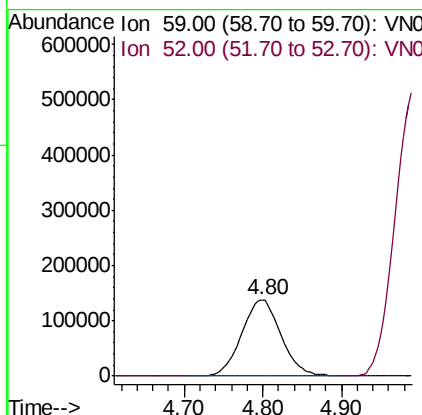
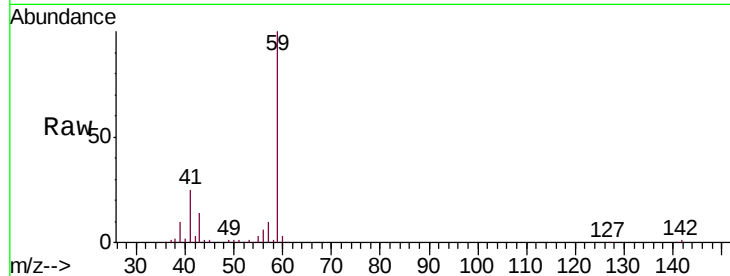




#23
 tert-Butyl Alcohol
 Concen: 881.538 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. 0.01 min
 Lab File: VN050911.D
 Acq: 28 Aug 2018 13:39

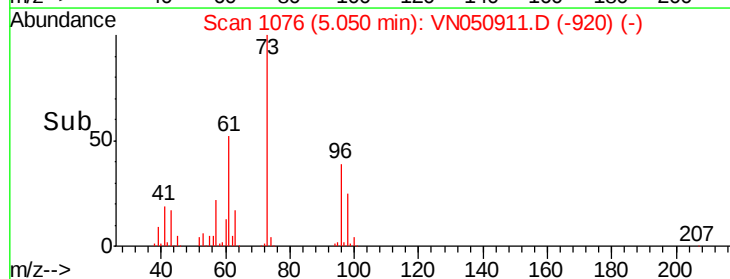
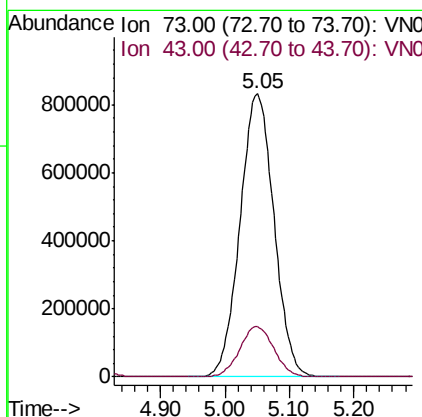
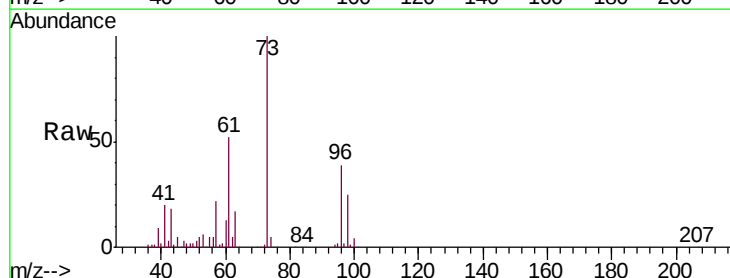
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

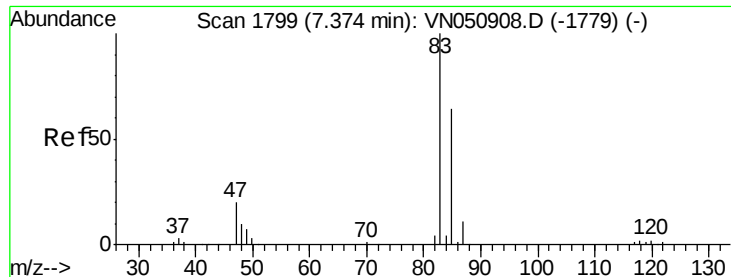
Tgt Ion: 59 Resp: 487912
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.1 0.1#



#24
 Methyl tert-Butyl Ether
 Concen: 167.550 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VN050911.D
 Acq: 28 Aug 2018 13:39

Tgt Ion: 73 Resp: 3050524
 Ion Ratio Lower Upper
 73 100
 43 17.9 14.4 21.6

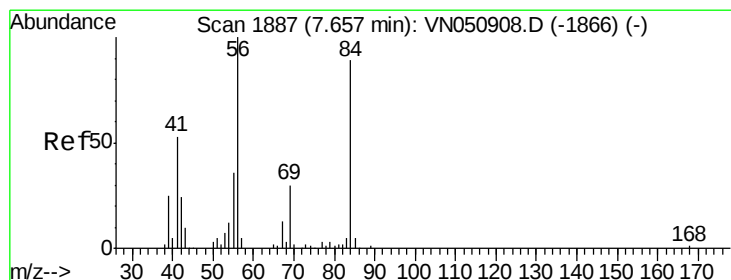
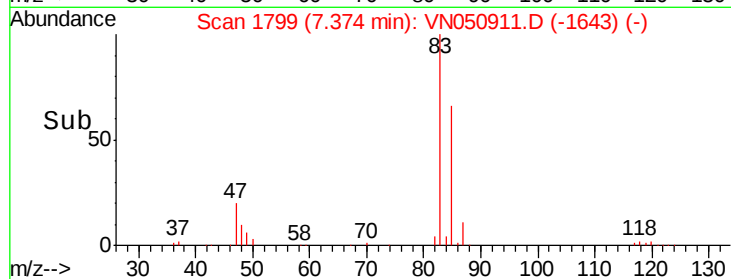
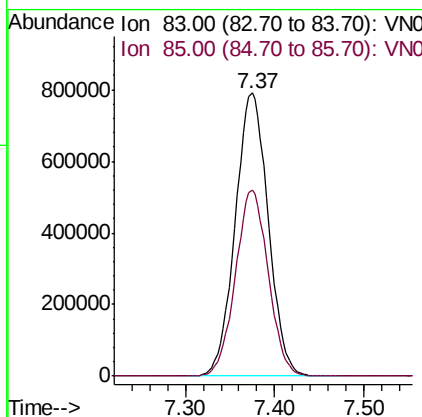
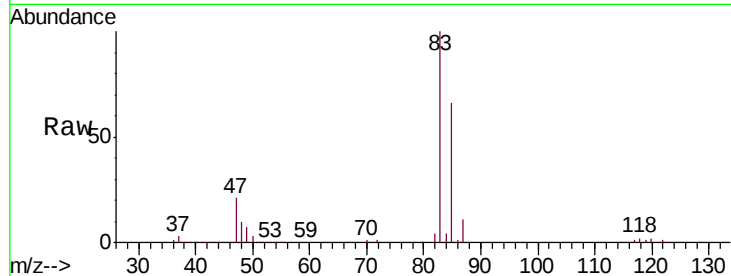




#25
Chloroform
Concen: 152.709 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050911.D
Acq: 28 Aug 2018 13:39

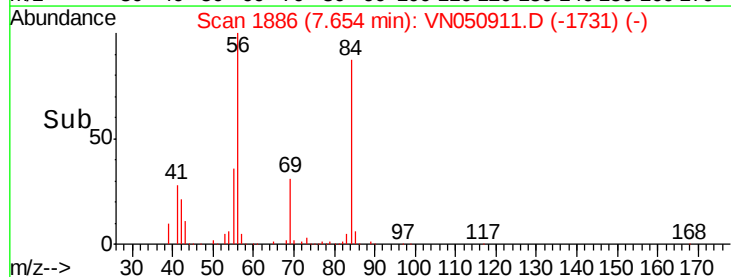
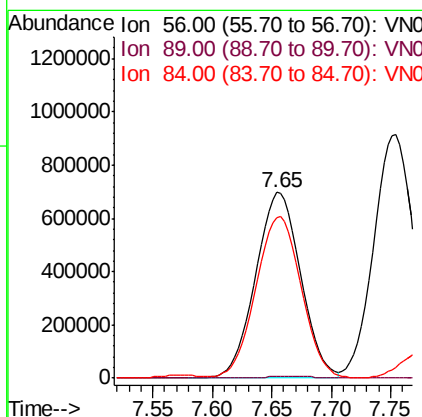
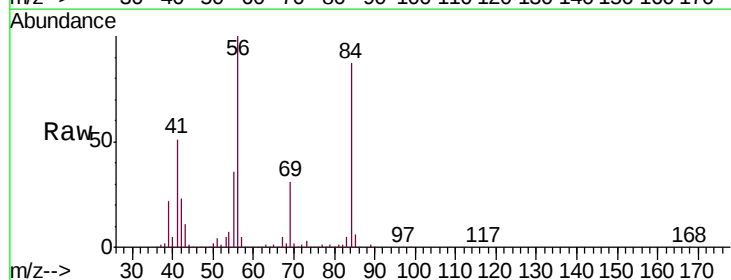
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

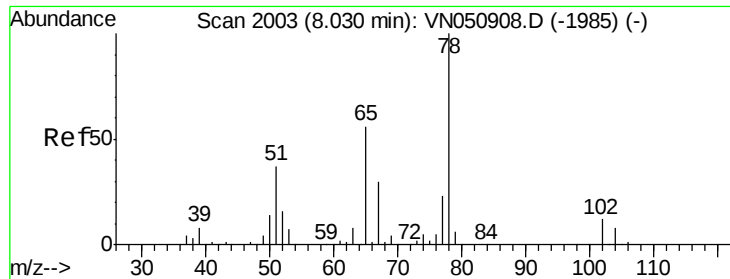
Tgt Ion: 83 Resp: 2031771
Ion Ratio Lower Upper
83 100
85 65.8 51.4 77.0



#26
Cyclohexane
Concen: 165.746 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050911.D
Acq: 28 Aug 2018 13:39

Tgt Ion: 56 Resp: 1830530
Ion Ratio Lower Upper
56 100
89 1.0 0.4 0.6#
84 87.7 70.4 105.6





#27

1,2-Dichloroethane-d4

Concen: 31.021 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050911.D

Acq: 28 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

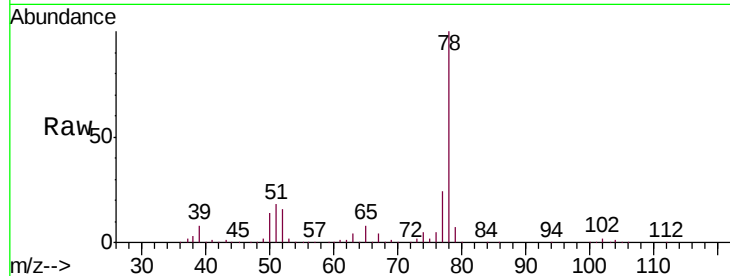
VSTDIC150

Tgt Ion: 65 Resp: 243876

Ion Ratio Lower Upper

65 100

67 53.8 43.7 65.5



Abundance Ion 65.00 (64.70 to 65.70): VN050911.D (-2003) (-)

Ion 67.00 (66.70 to 67.70): VN050911.D (-2003) (-)

8.03

120000

100000

80000

60000

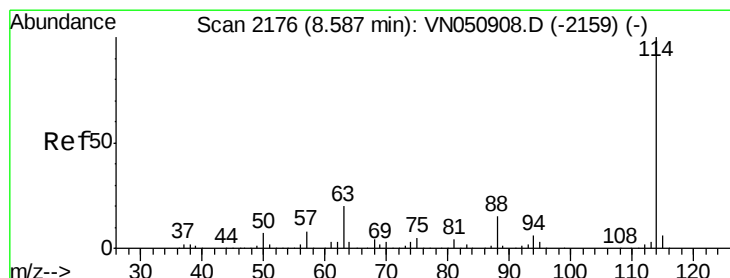
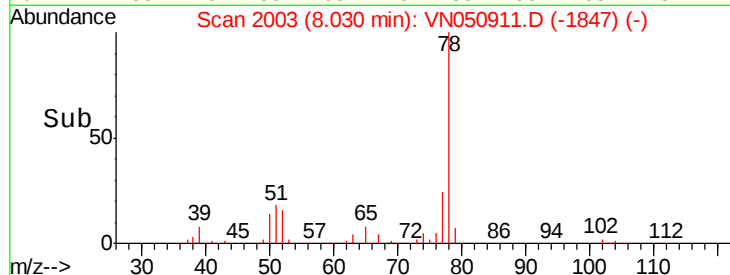
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN050911.D

Acq: 28 Aug 2018 13:39

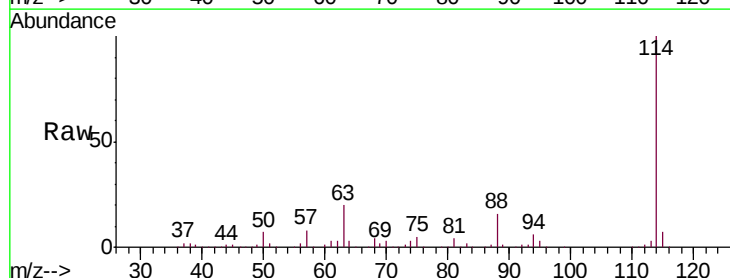
Tgt Ion: 114 Resp: 706037

Ion Ratio Lower Upper

114 100

63 19.5 15.6 23.4

88 15.4 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): VN050911.D (-2176) (-)

Ion 63.00 (62.70 to 63.70): VN050911.D (-2176) (-)

Ion 88.00 (87.70 to 88.70): VN050911.D (-2176) (-)

8.59

400000

300000

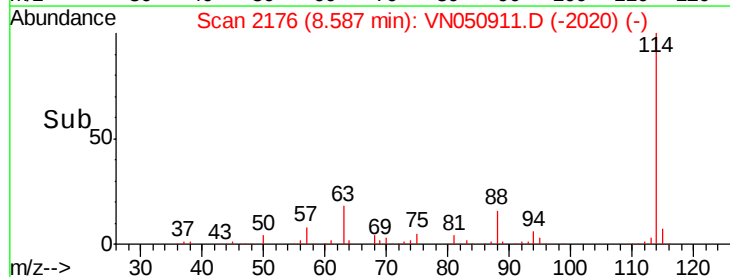
200000

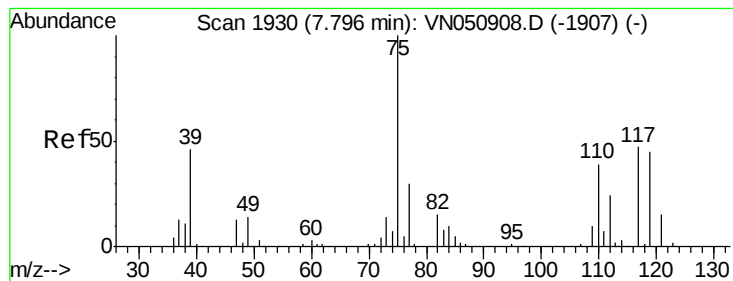
100000

0

8.50 8.60 8.70

Time-->





#29

1,1-Dichloropropene

Concen: 152.582 ug/l

RT: 7.80 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VN050911.D

Acq: 28 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

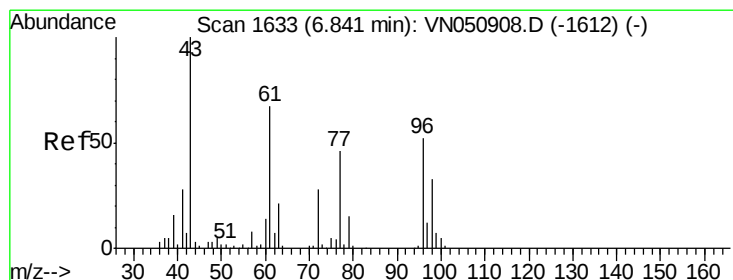
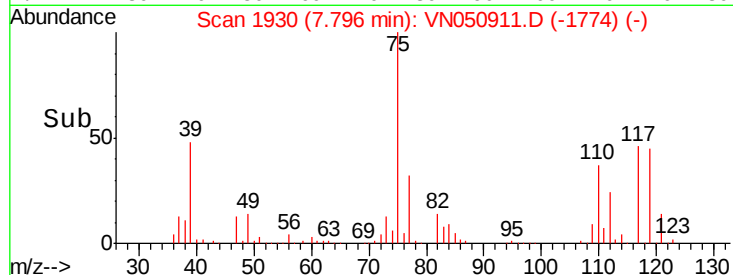
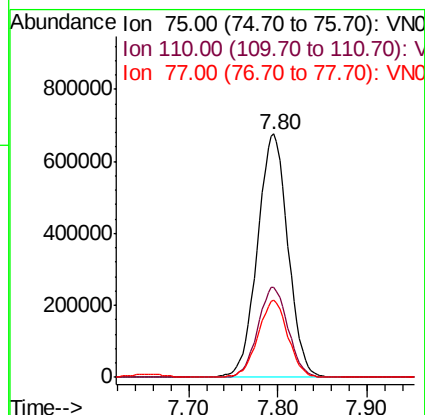
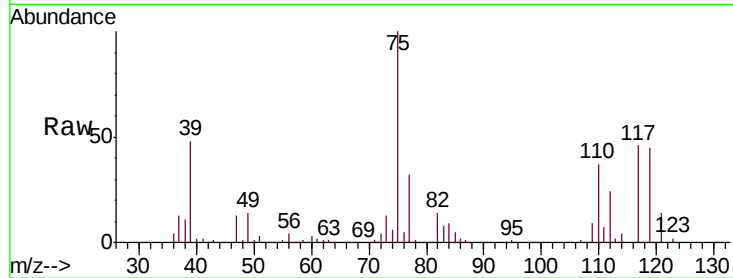
Tgt Ion: 75 Resp: 1612806

Ion Ratio Lower Upper

75 100

110 36.7 0.0 75.0

77 31.1 0.0 60.6



#30

2-Butanone

Concen: 750.976 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050911.D

Acq: 28 Aug 2018 13:39

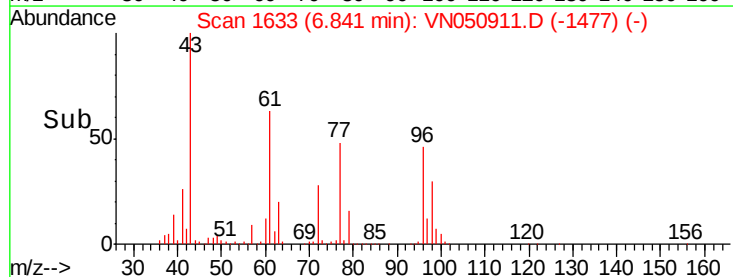
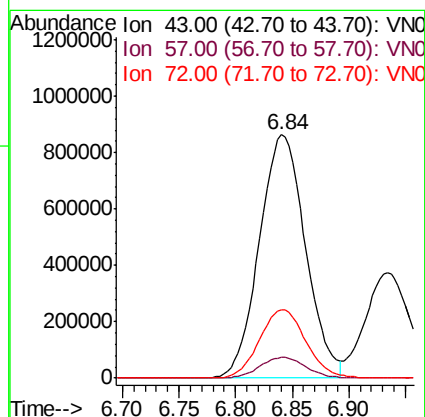
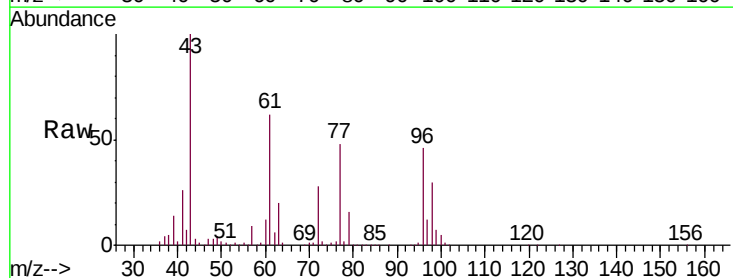
Tgt Ion: 43 Resp: 2441938

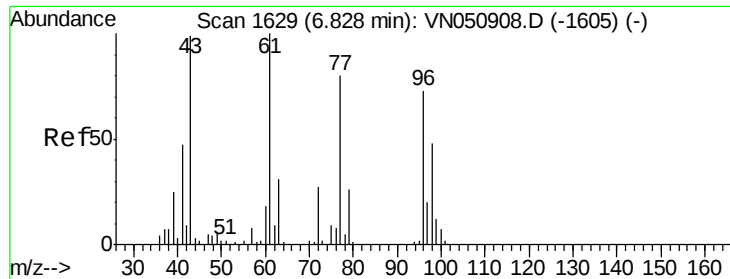
Ion Ratio Lower Upper

43 100

57 8.5 6.9 10.3

72 28.5 22.8 34.2

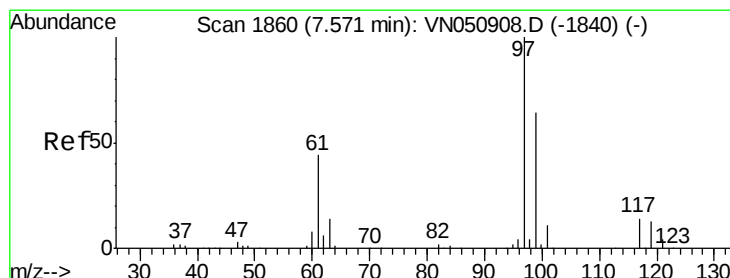
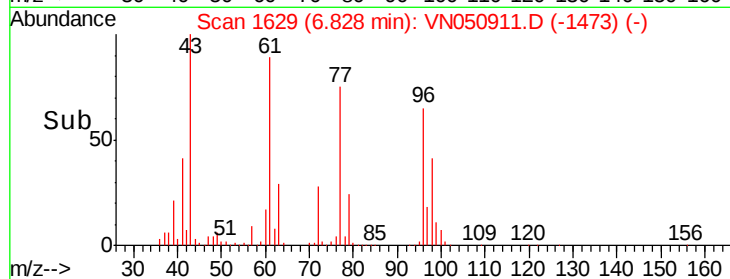
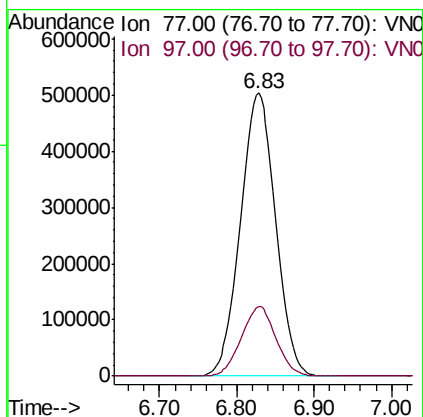
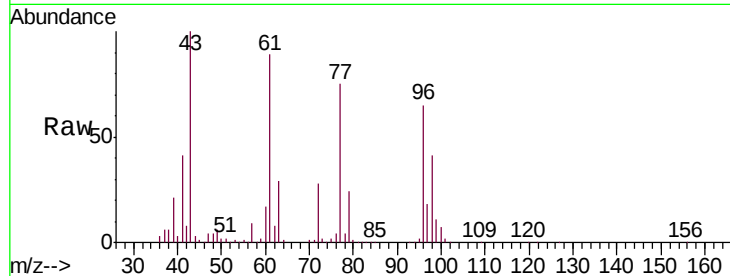




#31
 2,2-Dichloropropane
 Concen: 154.770 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050911.D
 Acq: 28 Aug 2018 13:39

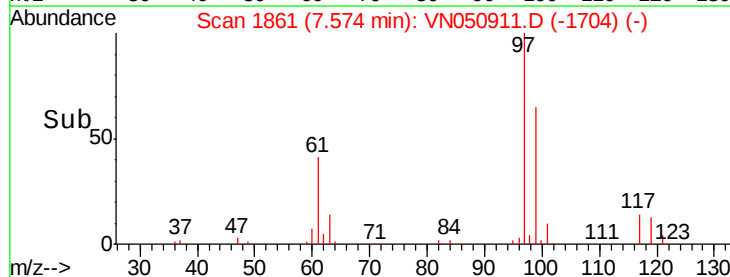
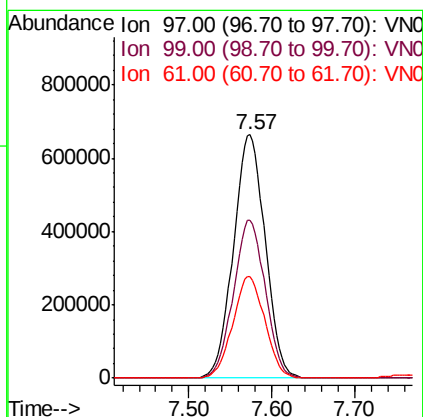
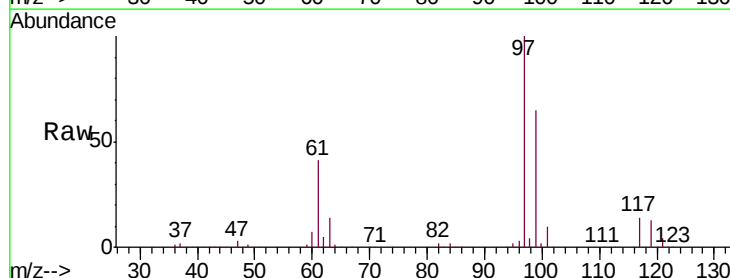
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

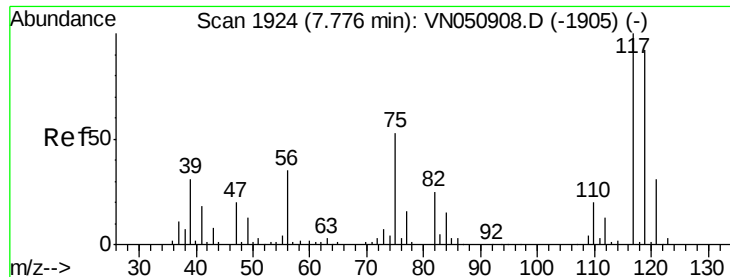
Tgt Ion: 77 Resp: 1591823
 Ion Ratio Lower Upper
 77 100
 97 24.3 20.2 30.2



#32
 1,1,1-Trichloroethane
 Concen: 147.418 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050911.D
 Acq: 28 Aug 2018 13:39

Tgt Ion: 97 Resp: 1766992
 Ion Ratio Lower Upper
 97 100
 99 65.0 52.0 78.0
 61 42.1 35.0 52.6





#33

Carbon Tetrachloride

Concen: 147.620 ug/l

RT: 7.78 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VN050911.D

Acq: 28 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

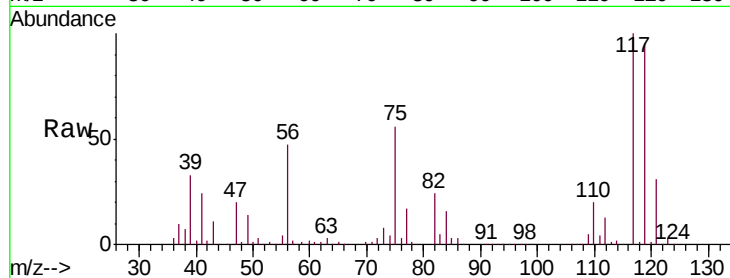
Tgt Ion:117 Resp: 1593451

Ion Ratio Lower Upper

117 100

119 95.4 73.5 110.3

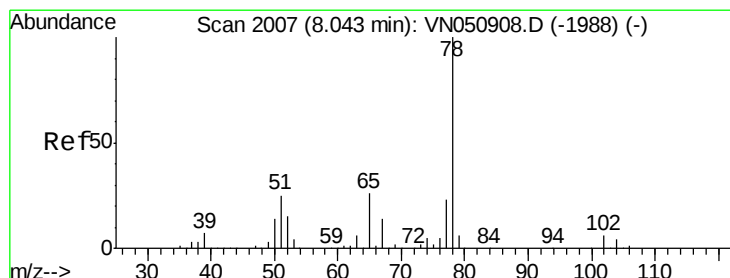
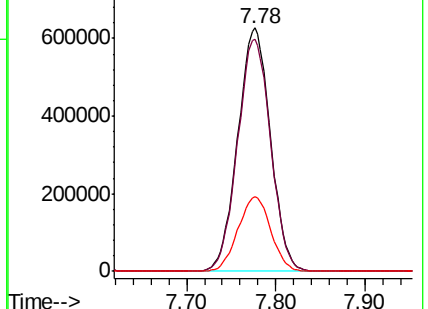
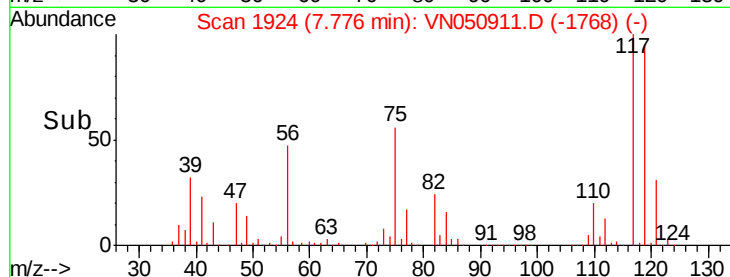
121 30.8 24.6 37.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 147.819 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN050911.D

Acq: 28 Aug 2018 13:39

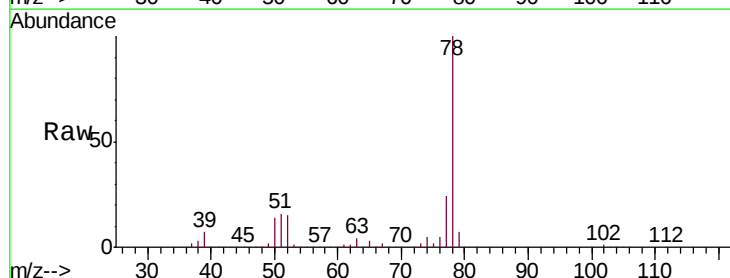
Tgt Ion: 78 Resp: 4833556

Ion Ratio Lower Upper

78 100

77 23.6 18.6 28.0

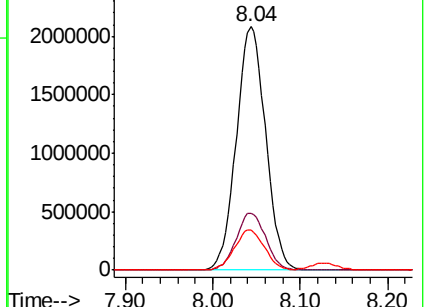
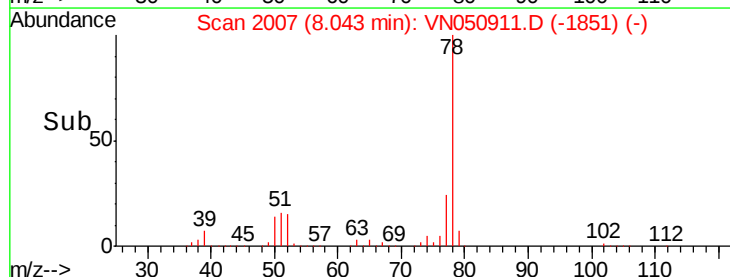
51 16.2 20.0 30.0#

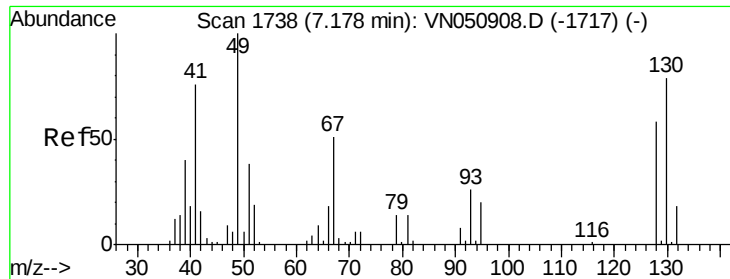


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

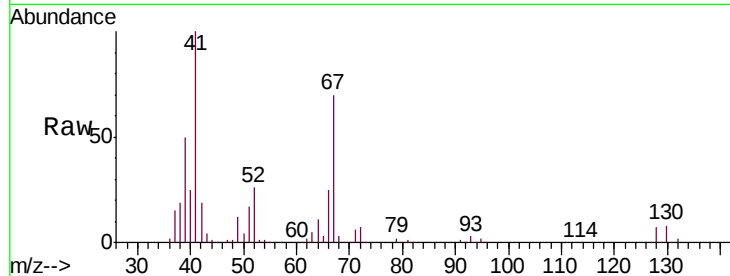




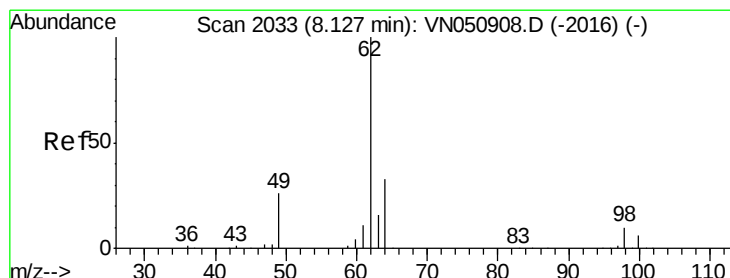
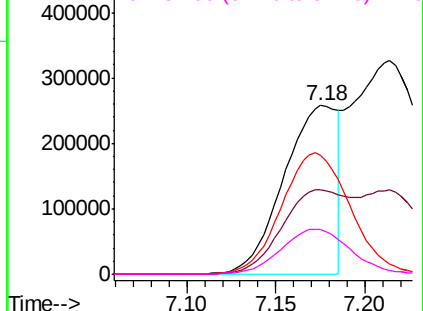
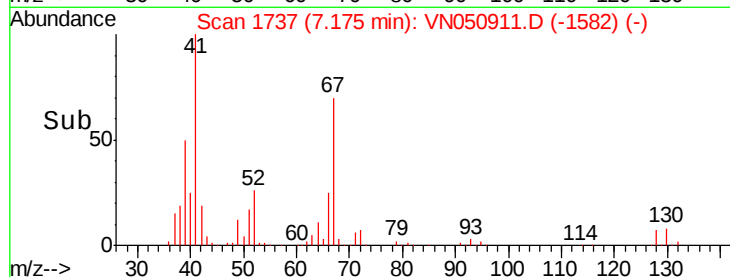
#35
Methacrylonitrile
Concen: 150.942 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN050911.D
Acq: 28 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:	41	Resp:	537733
Ion	Ratio	Lower	Upper
41	100		
39	50.2	26.2	78.5
67	70.6	33.9	101.6
52	26.1	12.5	37.5

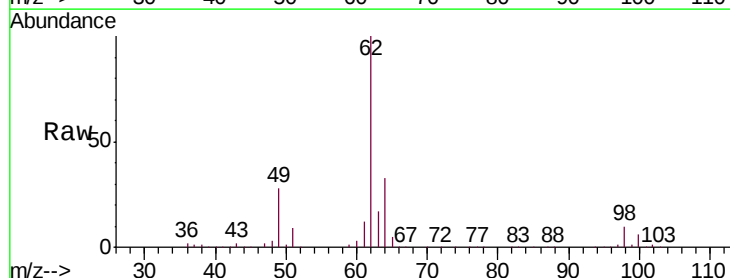


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

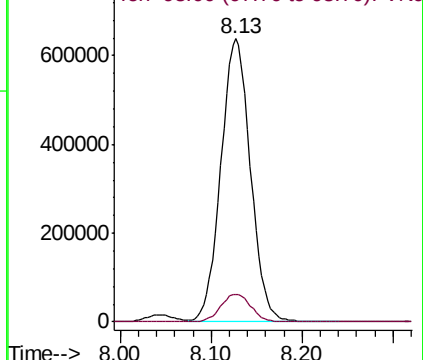
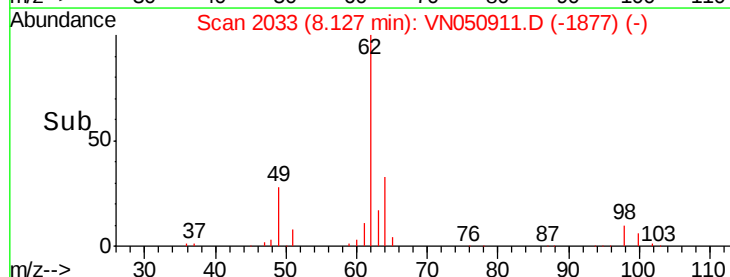


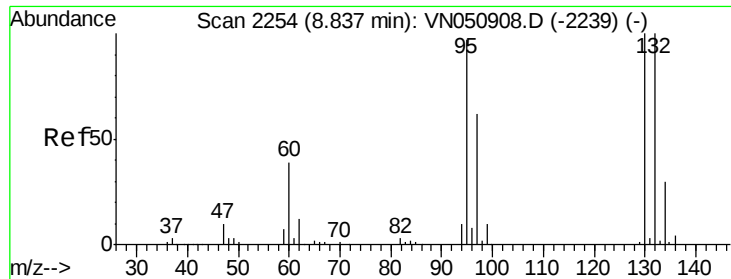
#36
1,2-Dichloroethane
Concen: 145.392 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050911.D
Acq: 28 Aug 2018 13:39

Tgt Ion:	62	Resp:	1437823
Ion	Ratio	Lower	Upper
62	100		
98	10.0	8.0	12.0



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

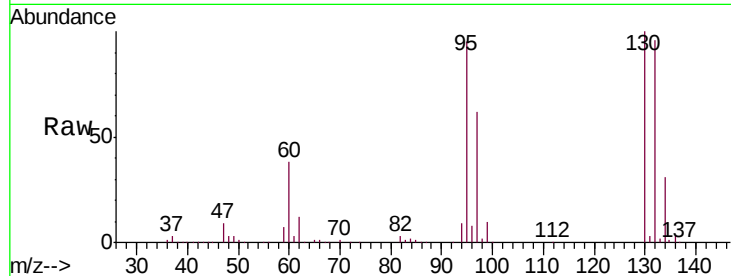




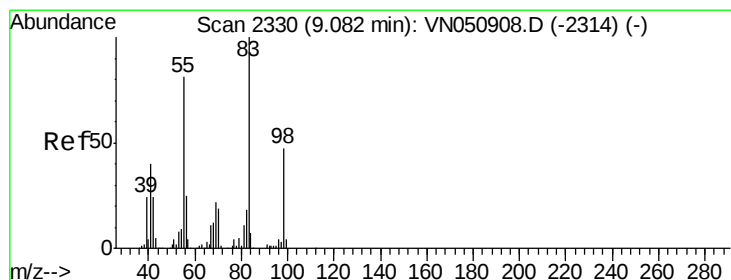
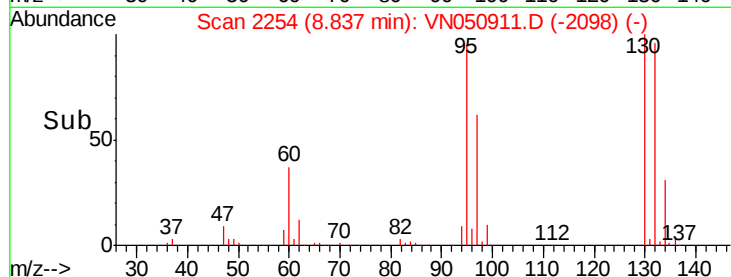
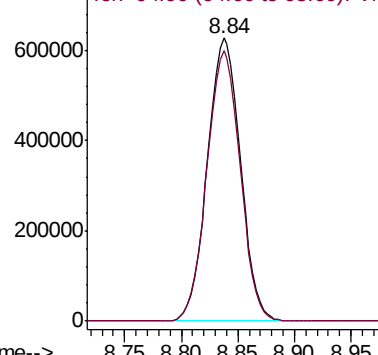
#37
 Trichloroethene
 Concen: 150.225 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050911.D
 Acq: 28 Aug 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion:130 Resp: 1283917
 Ion Ratio Lower Upper
 130 100
 95 95.4 77.4 116.0

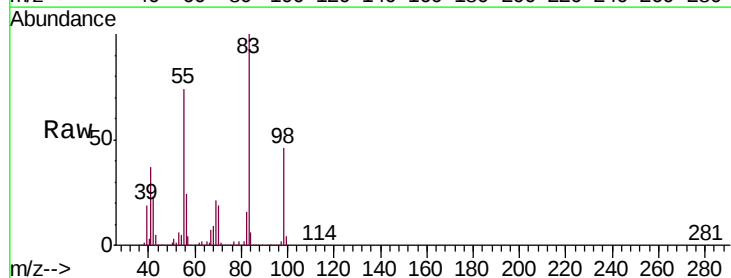


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

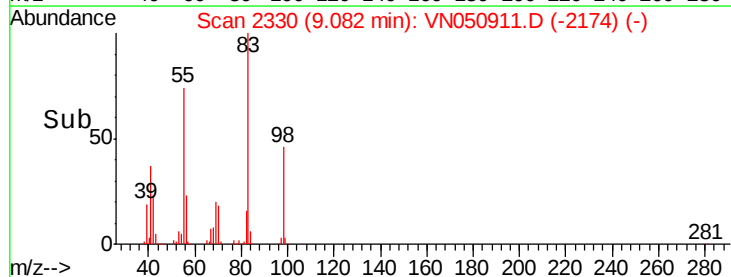
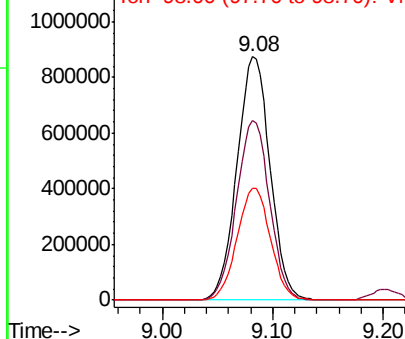


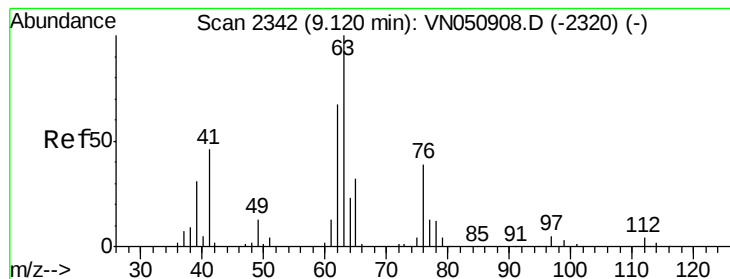
#38
 Methylcyclohexane
 Concen: 160.125 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050911.D
 Acq: 28 Aug 2018 13:39

Tgt Ion: 83 Resp: 1817815
 Ion Ratio Lower Upper
 83 100
 55 73.8 38.9 116.7
 98 46.3 22.9 68.7



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





#39

1,2-Dichloropropane

Concen: 148.443 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050911.D

Acq: 28 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

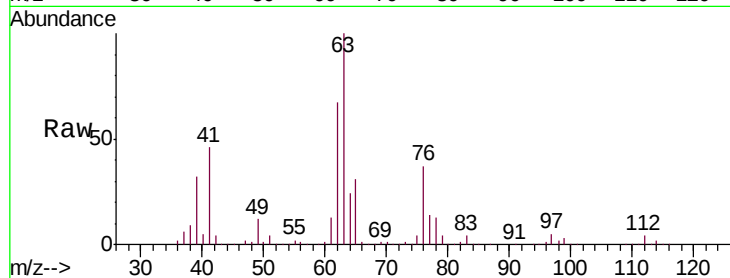
VSTDIC150

Tgt Ion: 63 Resp: 1267728

Ion Ratio Lower Upper

63 100

65 30.8 25.6 38.4



Abundance Ion 63.00 (62.70 to 63.70): VN050911.D (-2186) (-)

Ion 65.00 (64.70 to 65.70): VN050911.D (-2186) (-)

600000

400000

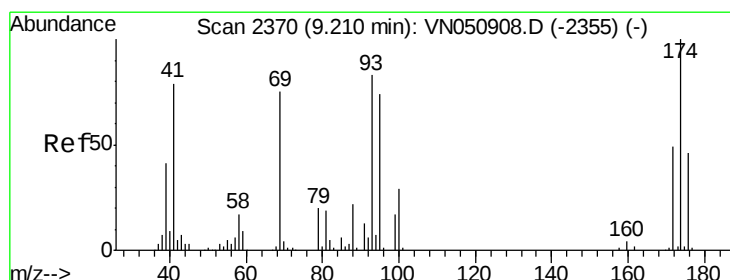
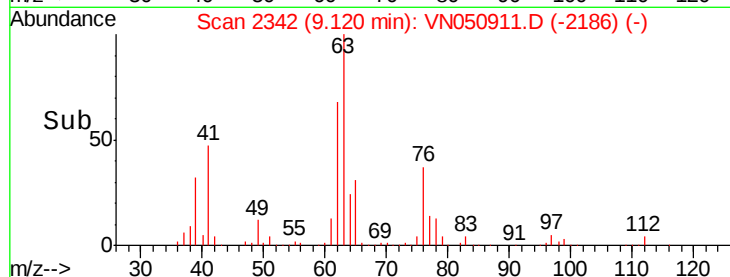
200000

0

9.12

9.10 9.20

Time-->



#40

Dibromomethane

Concen: 147.780 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050911.D

Acq: 28 Aug 2018 13:39

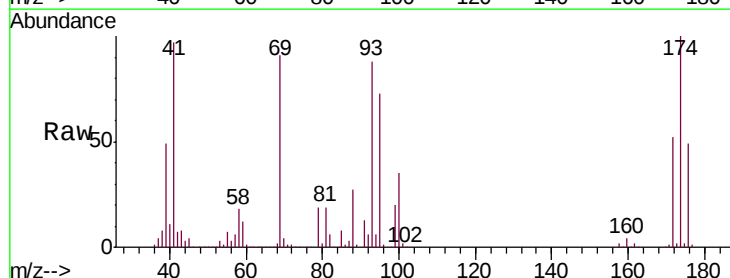
Tgt Ion: 93 Resp: 760249

Ion Ratio Lower Upper

93 100

95 82.9 0.0 173.4

174 114.4 0.0 234.8



Abundance Ion 93.00 (92.70 to 93.70): VN050911.D (-2214) (-)

Ion 95.00 (94.70 to 95.70): VN050911.D (-2214) (-)

Ion 174.00 (173.70 to 174.70): VN050911.D (-2214) (-)

600000

500000

400000

300000

200000

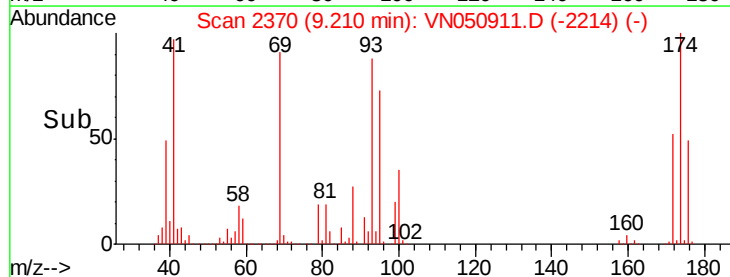
100000

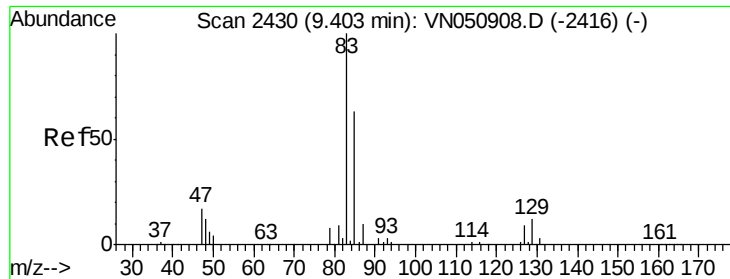
0

9.21

9.10 9.20 9.30

Time-->





#41

Bromodichloromethane

Concen: 148.819 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050911.D

Acq: 28 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

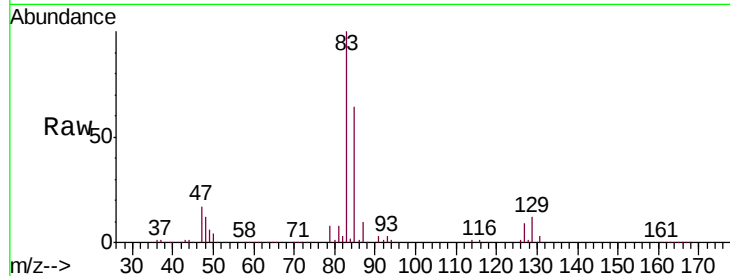
Tgt Ion: 83 Resp: 1613885

Ion Ratio Lower Upper

83 100

85 64.1 50.6 76.0

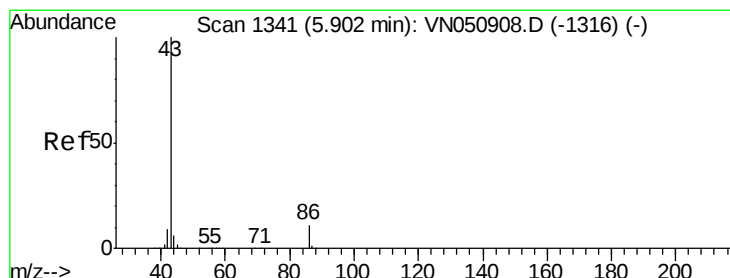
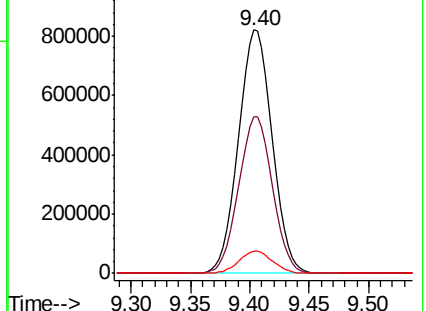
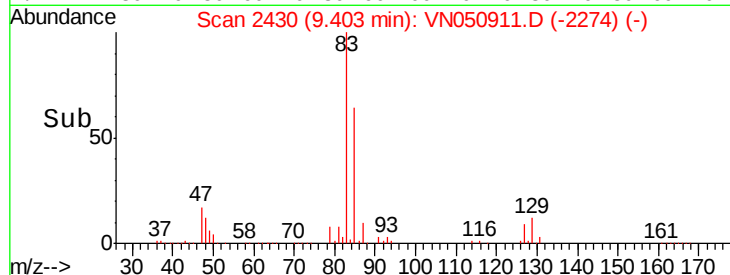
127 9.0 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VN050911.D (-2274) (-)

Ion 85.00 (84.70 to 85.70): VN050911.D (-2274) (-)

Ion 127.00 (126.70 to 127.70): VN050911.D (-2274) (-)



#42

Vinyl Acetate

Concen: 783.783 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050911.D

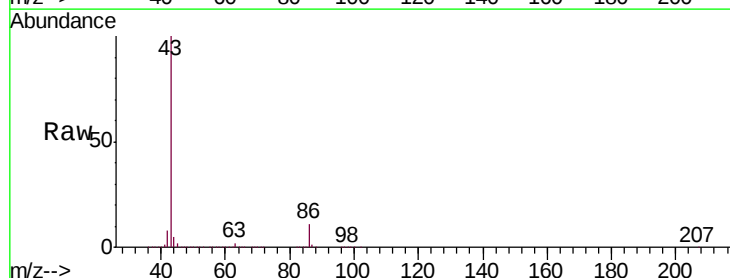
Acq: 28 Aug 2018 13:39

Tgt Ion: 43 Resp: 11739155

Ion Ratio Lower Upper

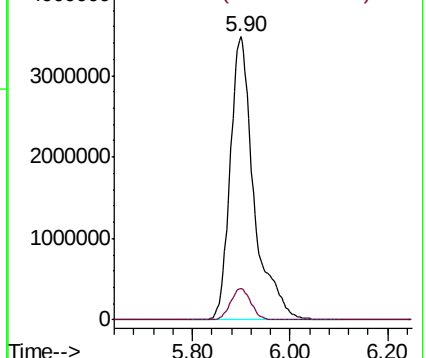
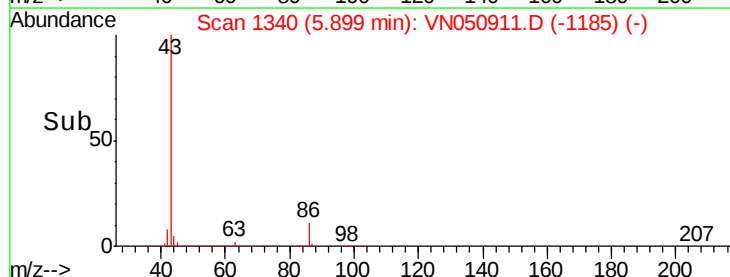
43 100

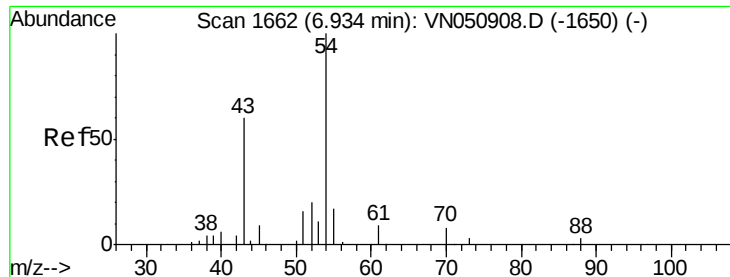
86 9.6 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN050911.D (-1185) (-)

Ion 86.00 (85.70 to 86.70): VN050911.D (-1185) (-)

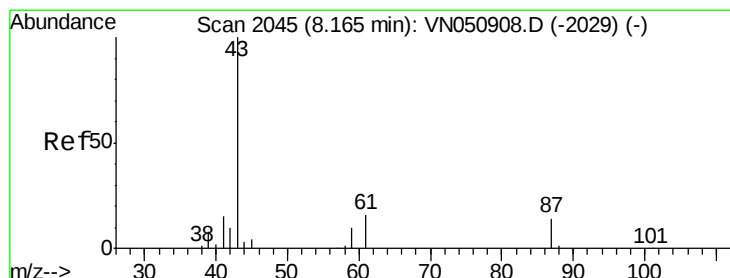
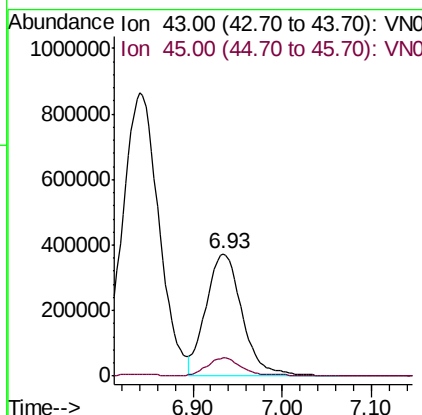
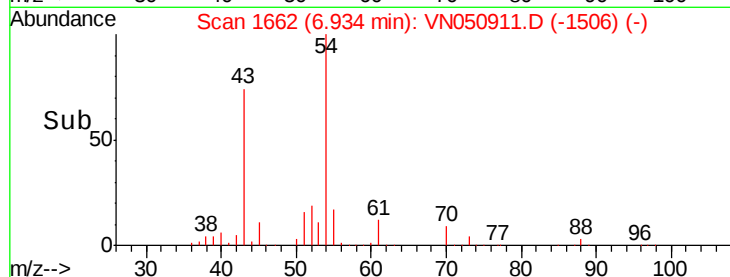
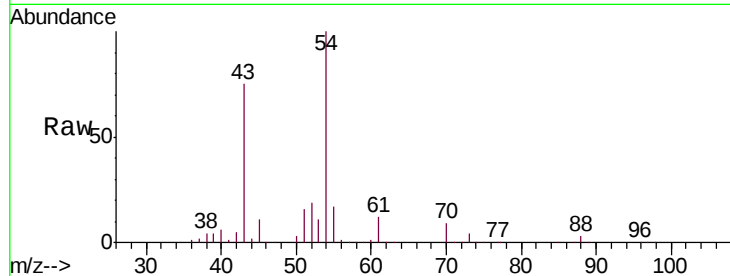




#43
 Ethyl Acetate
 Concen: 156.248 ug/l
 RT: 6.93 min Scan# 1662
 Delta R.T. 0.00 min
 Lab File: VN050911.D
 Acq: 28 Aug 2018 13:39

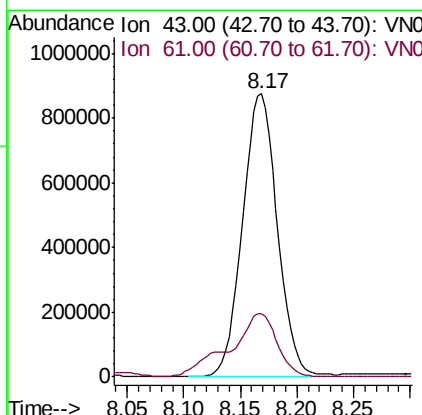
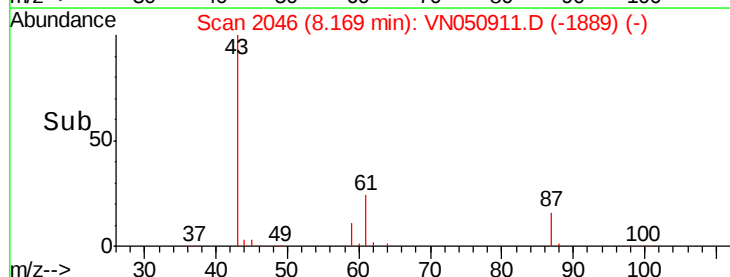
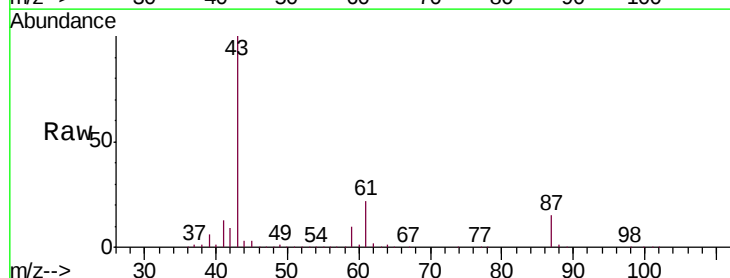
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

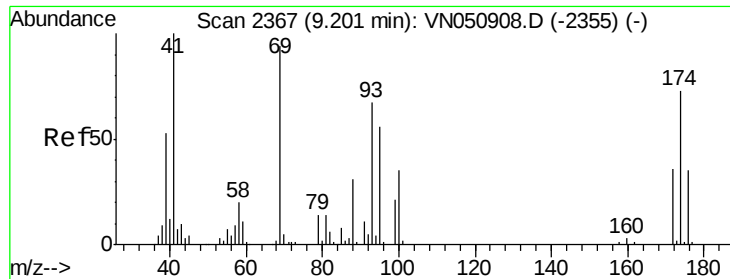
Tgt Ion: 43 Resp: 1040815
 Ion Ratio Lower Upper
 43 100
 45 15.1 10.2 15.2



#44
 Isopropyl Acetate
 Concen: 159.497 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN050911.D
 Acq: 28 Aug 2018 13:39

Tgt Ion: 43 Resp: 1874789
 Ion Ratio Lower Upper
 43 100
 61 21.8 16.3 24.5





#45

1,4-Dioxane

Concen: 3198.791 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050911.D

Acq: 28 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

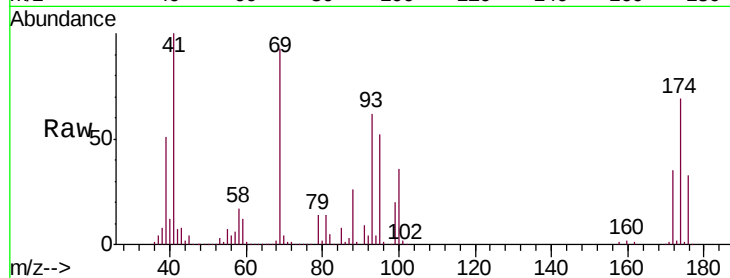
Tgt Ion: 88 Resp: 279306

Ion Ratio Lower Upper

88 100

43 30.5 23.5 35.3

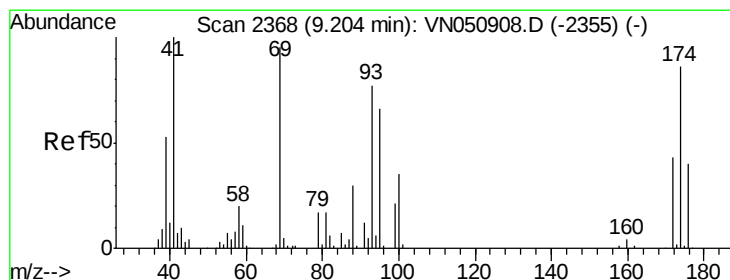
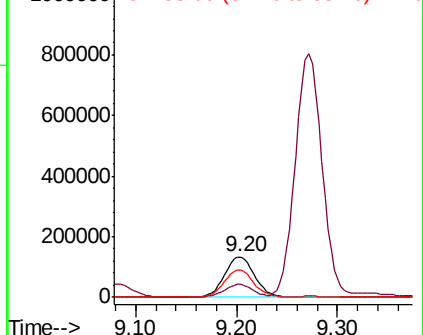
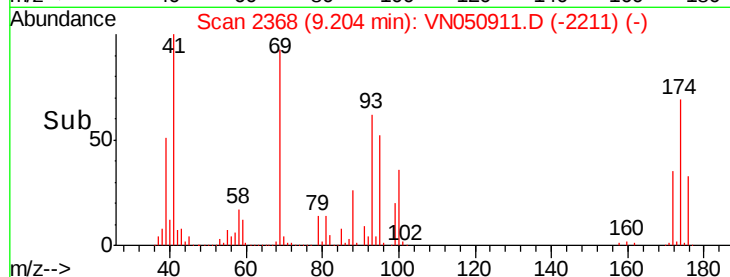
58 67.0 55.2 82.8



Abundance Ion 88.00 (87.70 to 88.70): VN050911.D (-2211) (-)

Ion 43.00 (42.70 to 43.70): VN050911.D (-2211) (-)

Ion 58.00 (57.70 to 58.70): VN050911.D (-2211) (-)



#46

Methyl methacrylate

Concen: 163.777 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050911.D

Acq: 28 Aug 2018 13:39

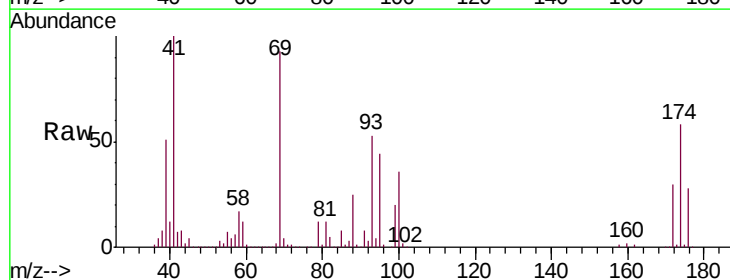
Tgt Ion: 41 Resp: 964142

Ion Ratio Lower Upper

41 100

69 94.1 47.4 142.2

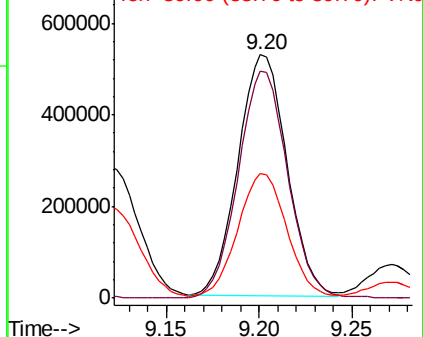
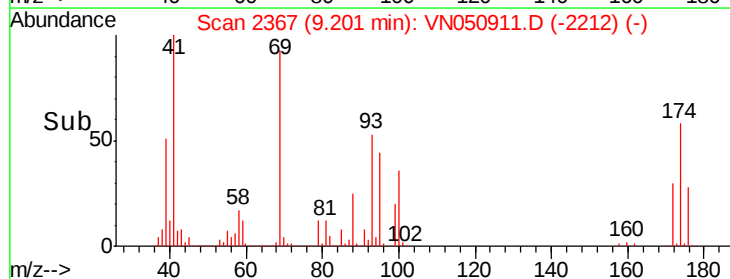
39 50.9 26.6 79.7

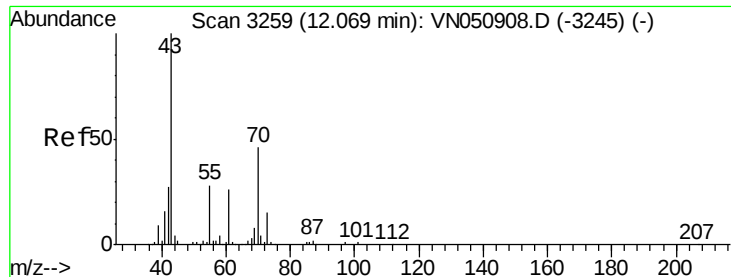


Abundance Ion 41.00 (40.70 to 41.70): VN050911.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN050911.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN050911.D (-2212) (-)

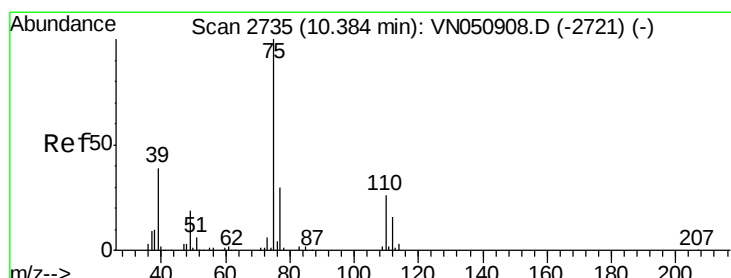
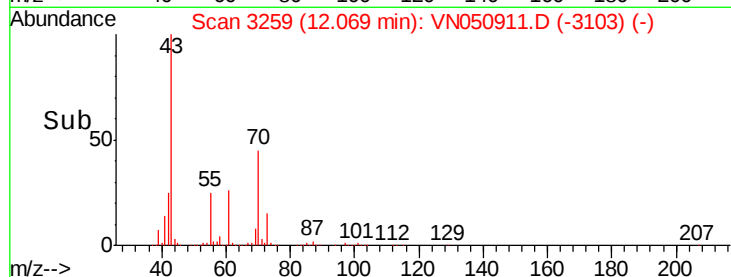
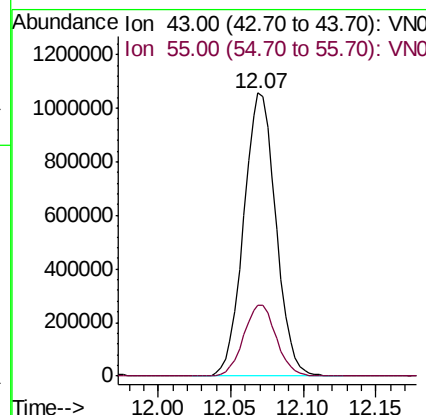
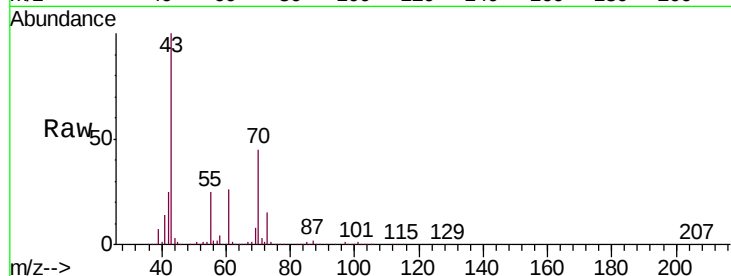




#47
n-amyl Acetate
Concen: 171.993 ug/l
RT: 12.07 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN050911.D
Acq: 28 Aug 2018 13:39

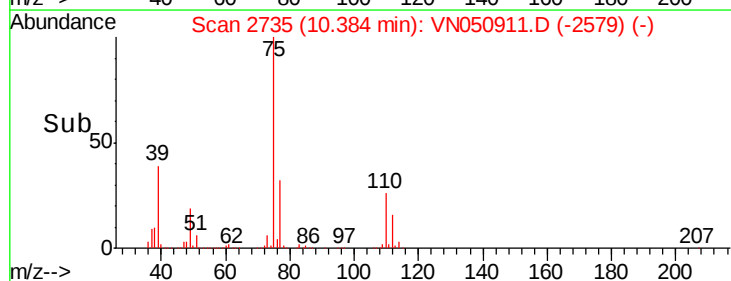
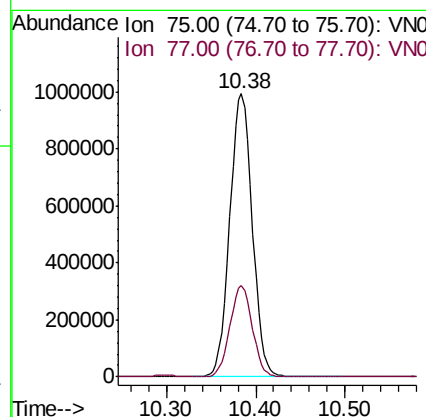
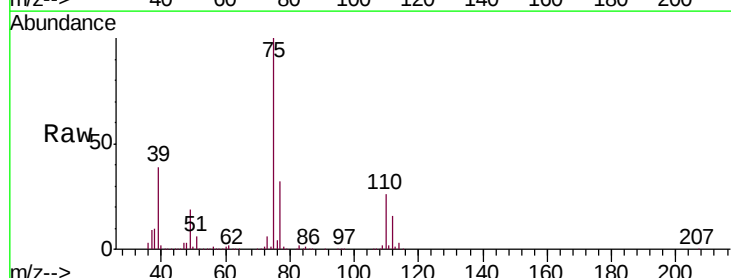
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

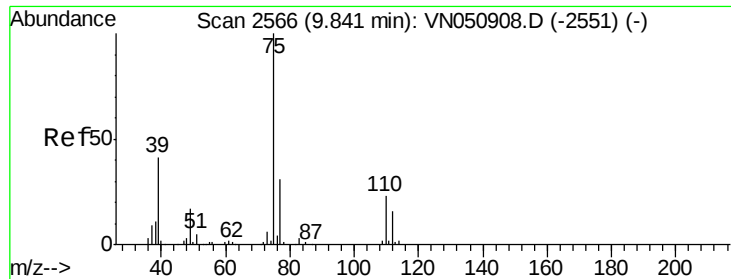
Tgt Ion: 43 Resp: 1625372
Ion Ratio Lower Upper
43 100
55 25.6 23.0 34.4



#48
t-1,3-Dichloropropene
Concen: 163.276 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050911.D
Acq: 28 Aug 2018 13:39

Tgt Ion: 75 Resp: 1735667
Ion Ratio Lower Upper
75 100
77 32.2 24.8 37.2



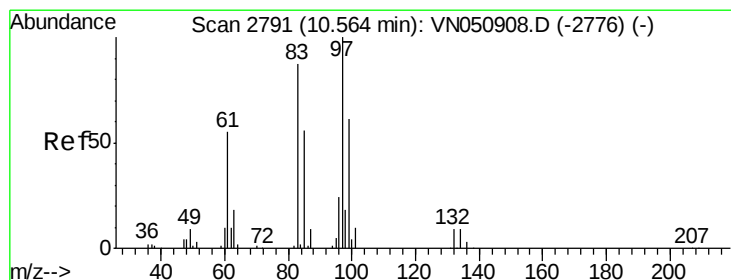
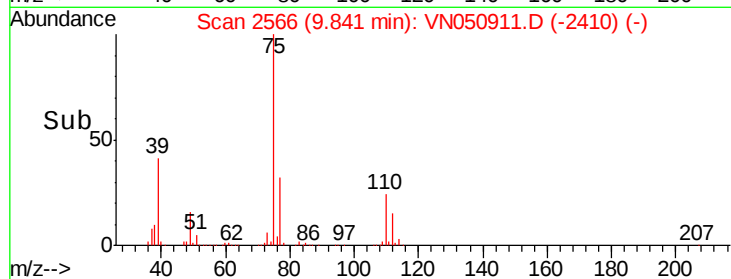
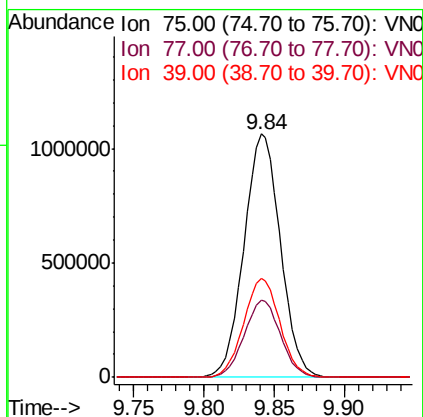
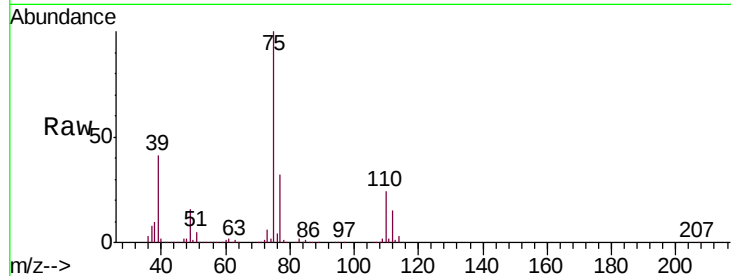


#49

cis-1,3-Dichloropropene
 Concen: 157.254 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050911.D
 Acq: 28 Aug 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

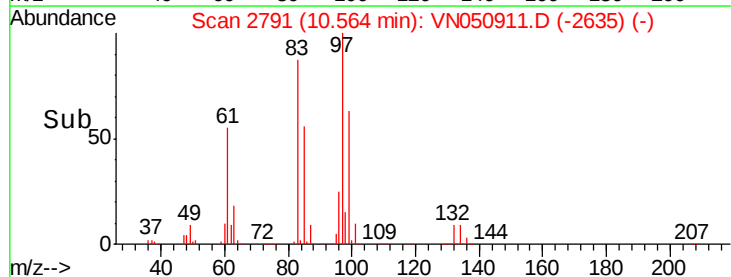
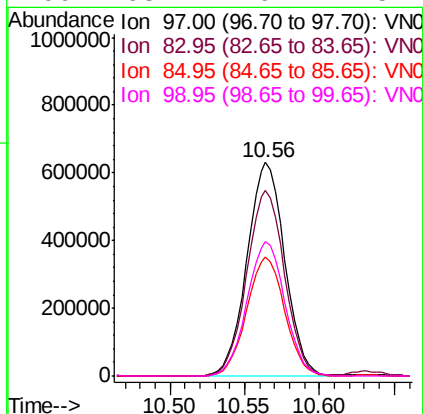
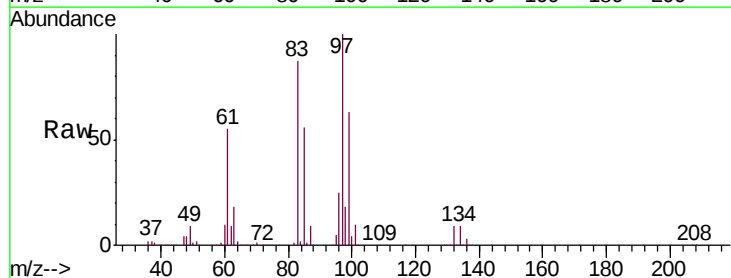
Tgt Ion: 75 Resp: 1920276
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.0 37.4
 39 40.6 32.9 49.3

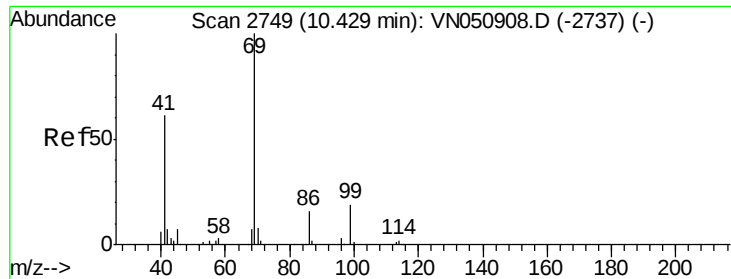


#50

1,1,2-Trichloroethane
 Concen: 147.978 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050911.D
 Acq: 28 Aug 2018 13:39

Tgt Ion: 97 Resp: 1106107
 Ion Ratio Lower Upper
 97 100
 83 86.8 69.8 104.6
 85 55.7 45.0 67.6
 99 63.1 49.1 73.7





#51

Ethyl methacrylate

Concen: 166.966 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050911.D

Acq: 28 Aug 2018 13:39

Instrument :

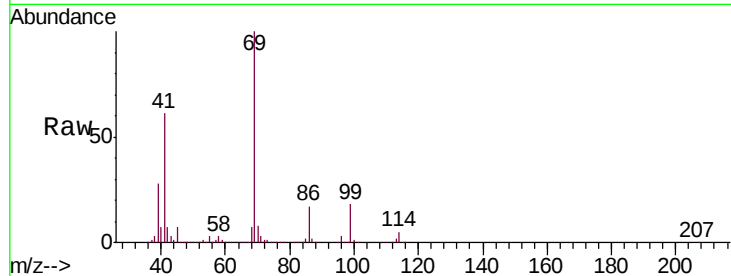
MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 69 Resp: 1526997

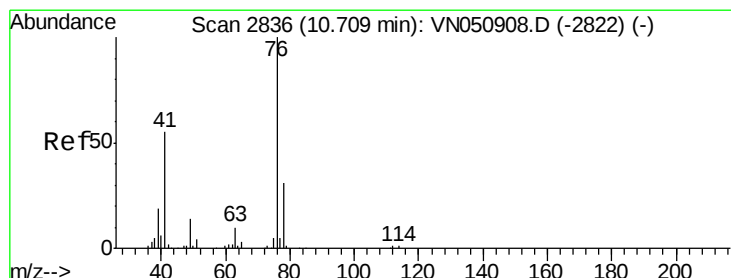
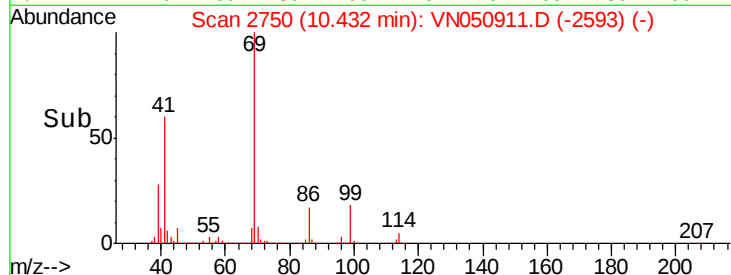
Ion	Ratio	Lower	Upper
69	100		
41	60.6	30.5	91.5
39	28.3	15.3	45.8



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



#52

1,3-Dichloropropane

Concen: 151.103 ug/l

RT: 10.71 min Scan# 2836

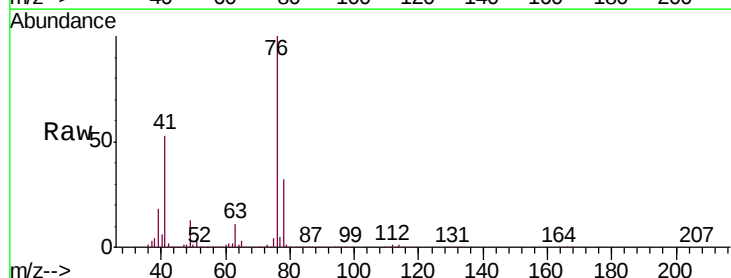
Delta R.T. 0.00 min

Lab File: VN050911.D

Acq: 28 Aug 2018 13:39

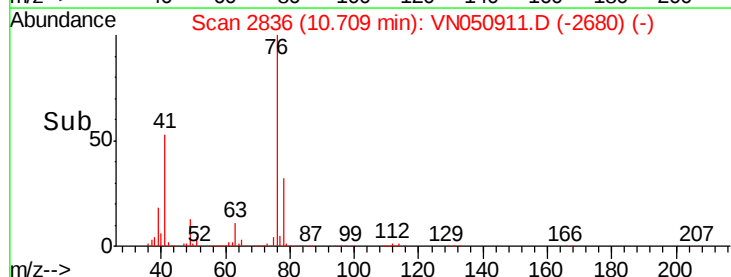
Tgt Ion: 76 Resp: 1870859

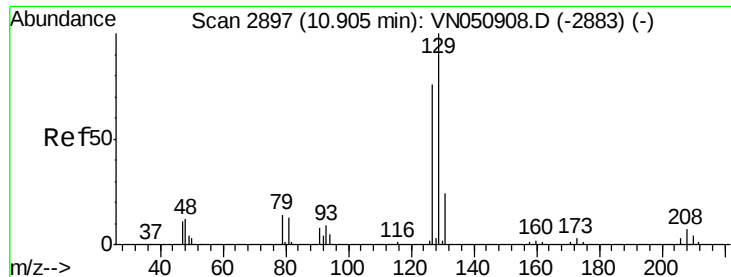
Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	63.4



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

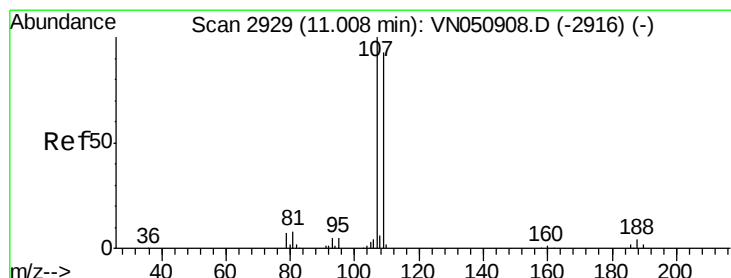
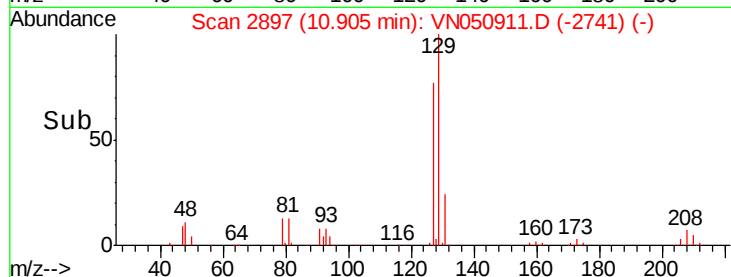
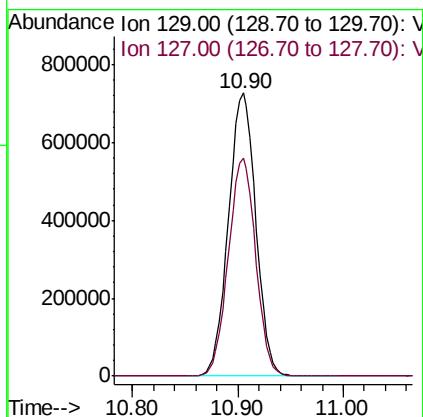
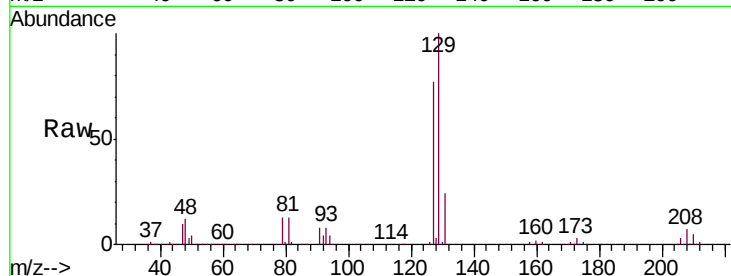




#53
 Dibromochloromethane
 Concen: 153.859 ug/l
 RT: 10.90 min Scan# 2897
 Delta R.T. 0.00 min
 Lab File: VN050911.D
 Acq: 28 Aug 2018 13:39

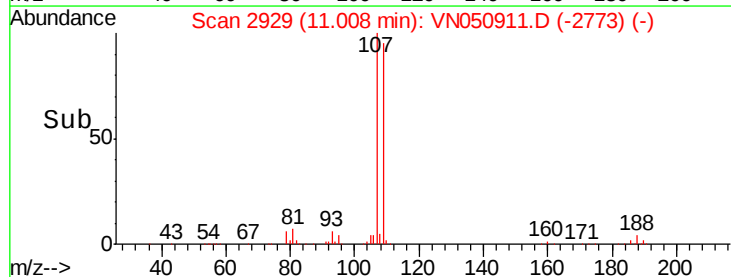
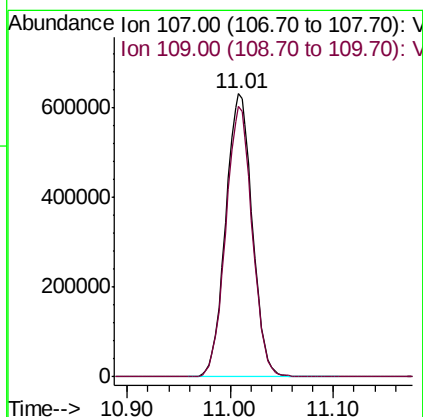
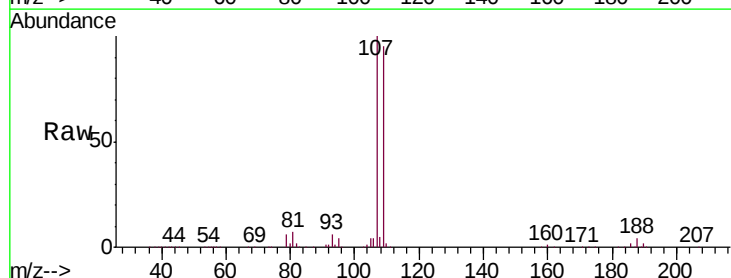
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

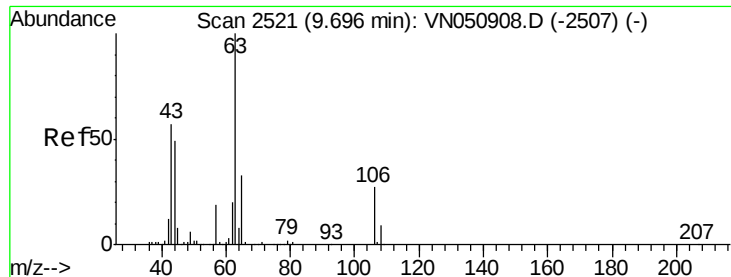
Tgt Ion:129 Resp: 1307736
 Ion Ratio Lower Upper
 129 100
 127 76.8 39.0 116.9



#54
 1,2-Dibromoethane
 Concen: 153.540 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050911.D
 Acq: 28 Aug 2018 13:39

Tgt Ion:107 Resp: 1134833
 Ion Ratio Lower Upper
 107 100
 109 94.9 74.4 111.6



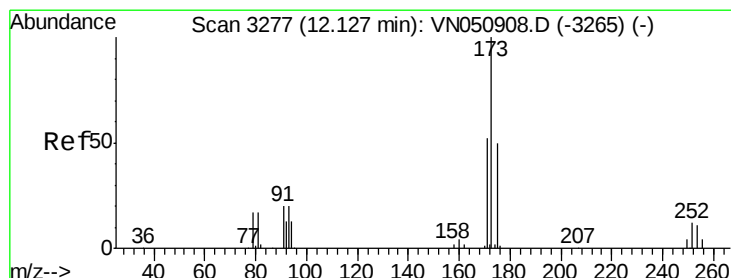
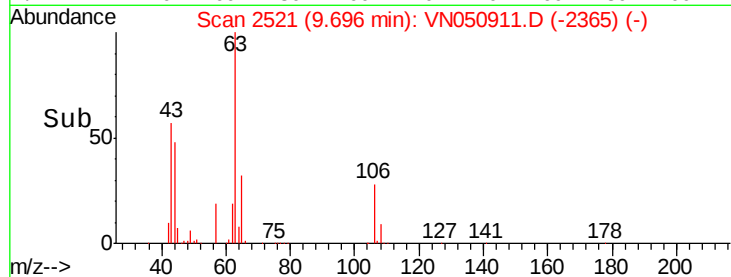
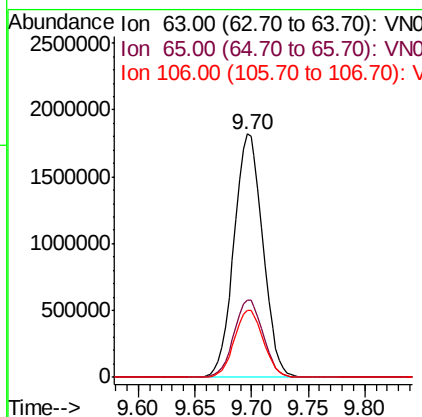
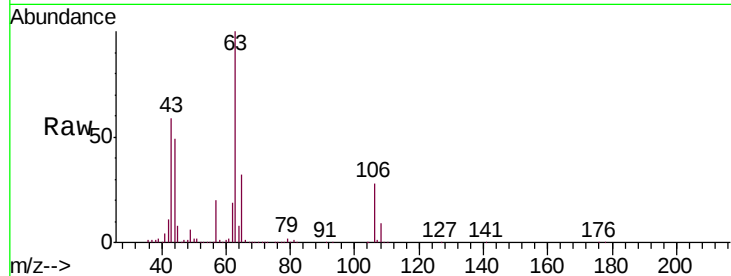


#55
 2-Chloroethyl vinyl ether
 Concen: 849.064 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050911.D
 Acq: 28 Aug 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 63 Resp: 3230962

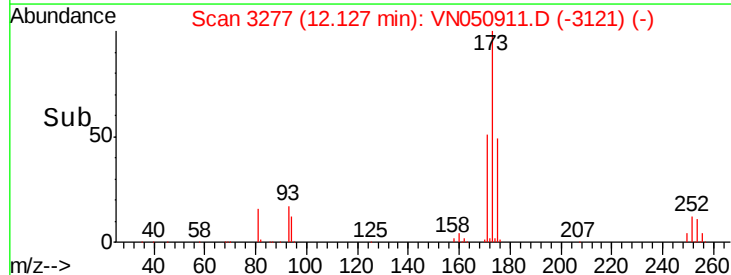
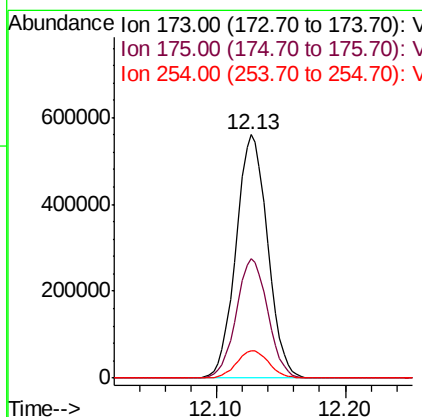
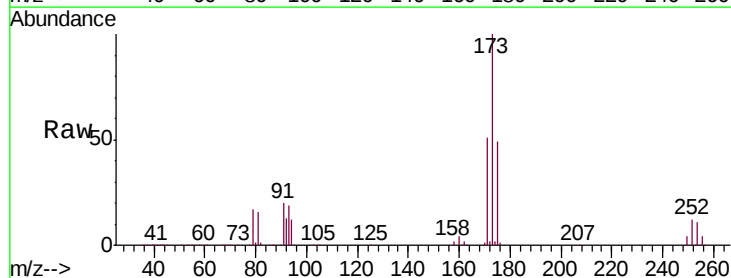
Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.4	38.2
106	27.7	22.0	33.0

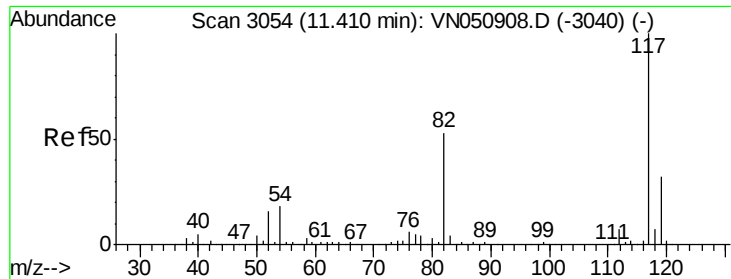


#56
 Bromoform
 Concen: 157.955 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. 0.00 min
 Lab File: VN050911.D
 Acq: 28 Aug 2018 13:39

Tgt Ion: 173 Resp: 954841

Ion	Ratio	Lower	Upper
173	100		
175	48.9	39.2	58.8
254	11.6	9.0	13.6

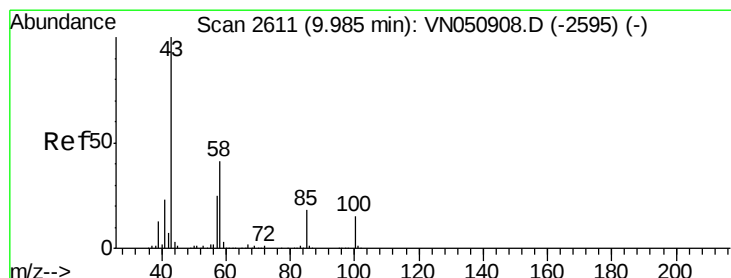
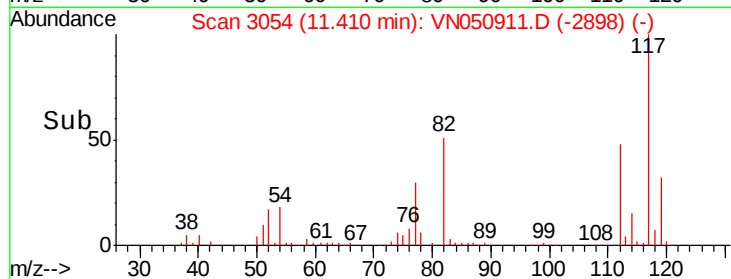
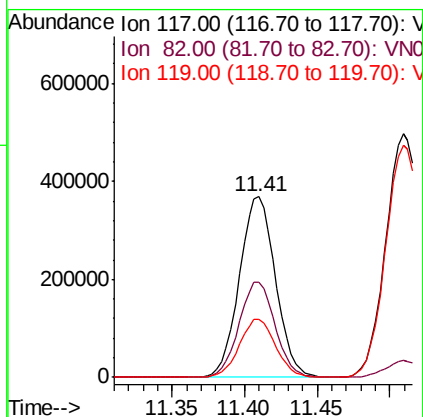
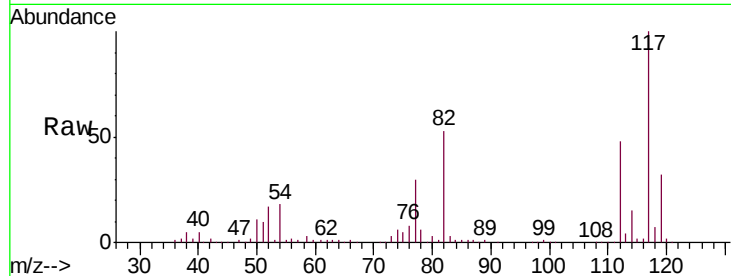




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050911.D
Acq: 28 Aug 2018 13:39

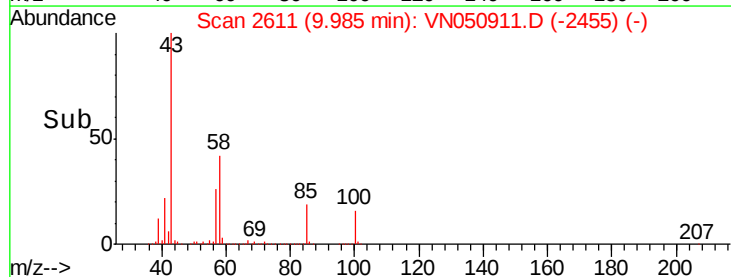
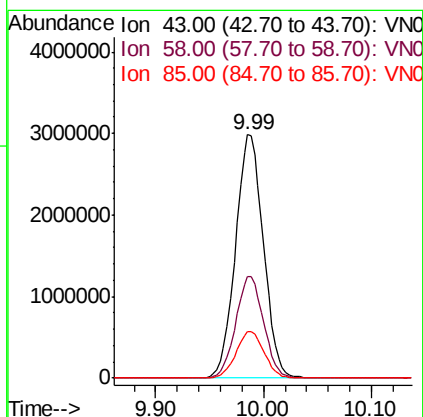
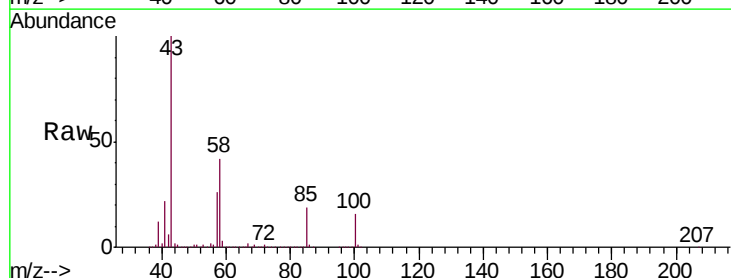
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

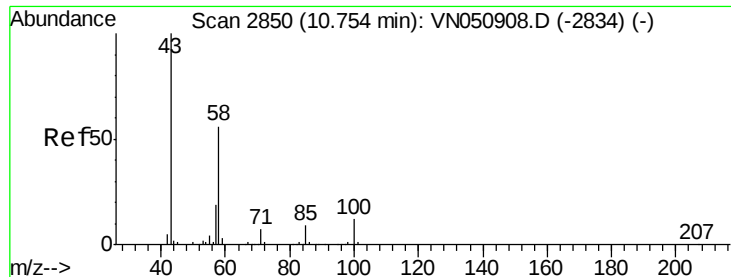
Tgt Ion: 117 Resp: 639213
Ion Ratio Lower Upper
117 100
82 52.7 42.6 64.0
119 32.2 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 735.443 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN050911.D
Acq: 28 Aug 2018 13:39

Tgt Ion: 43 Resp: 5378747
Ion Ratio Lower Upper
43 100
58 41.7 32.3 48.5
85 19.2 14.9 22.3

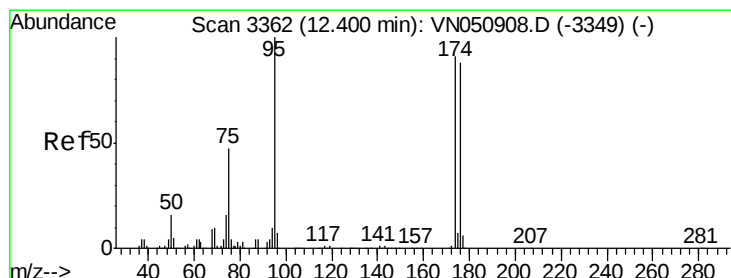
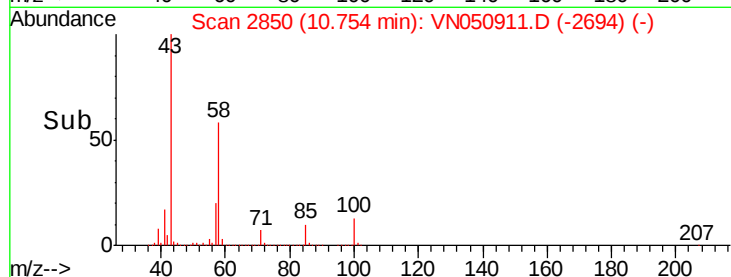
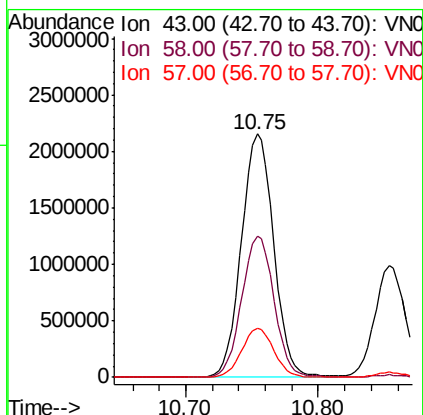
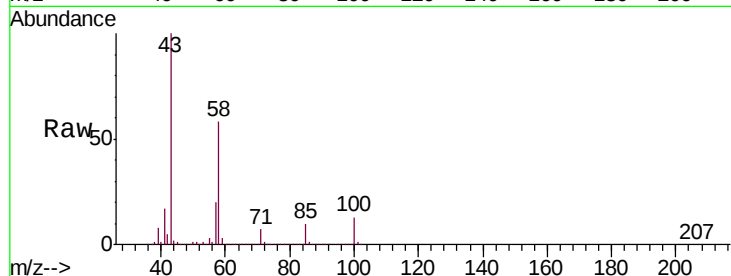




#59
2-Hexanone
Concen: 763.961 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050911.D
Acq: 28 Aug 2018 13:39

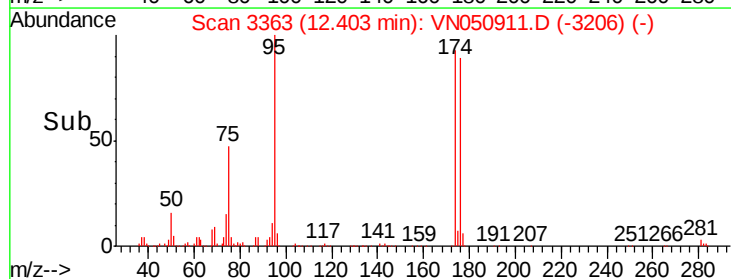
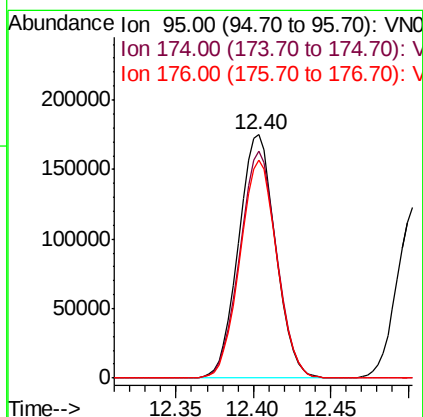
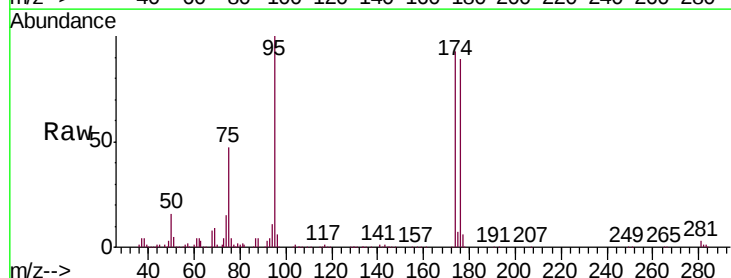
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

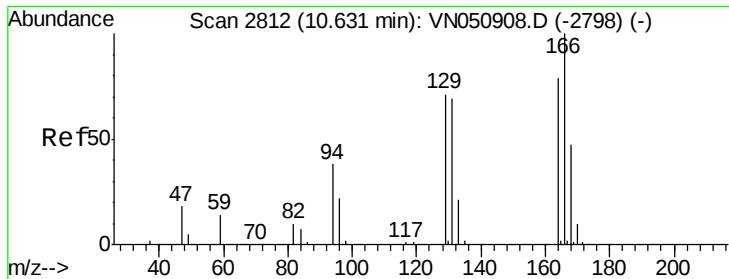
Tgt Ion: 43 Resp: 3652096
Ion Ratio Lower Upper
43 100
58 58.2 45.5 68.3
57 20.1 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 30.704 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050911.D
Acq: 28 Aug 2018 13:39

Tgt Ion: 95 Resp: 291852
Ion Ratio Lower Upper
95 100
174 92.9 74.6 112.0
176 89.4 71.5 107.3





#61

Tetrachloroethene

Concen: 144.979 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

Lab File: VN050911.D

Acq: 28 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:164 Resp: 1154806

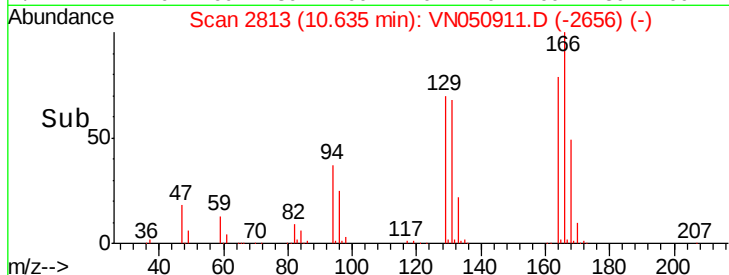
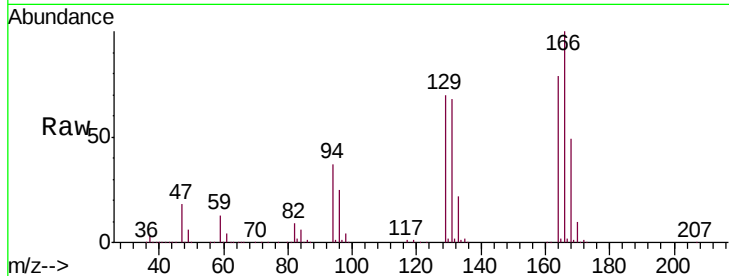
Ion Ratio Lower Upper

164 100

166 127.3 100.6 151.0

129 89.1 71.0 106.6

131 86.7 69.3 103.9

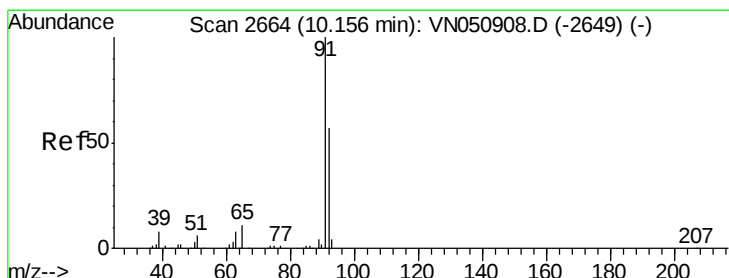
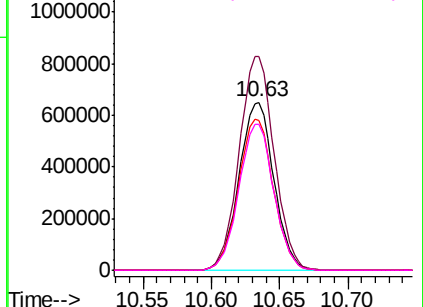


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 147.268 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN050911.D

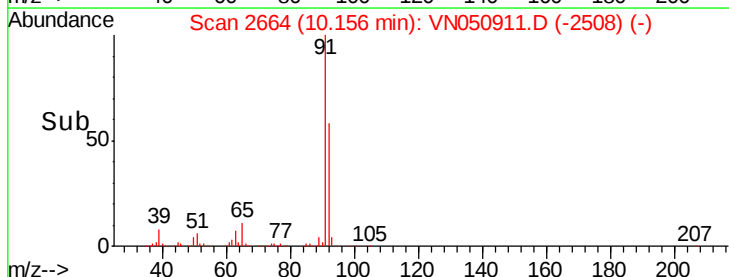
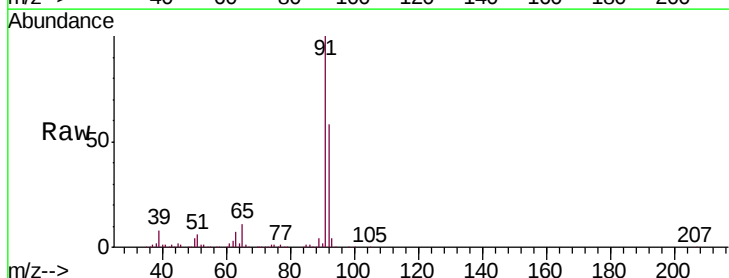
Acq: 28 Aug 2018 13:39

Tgt Ion: 91 Resp: 5251747

Ion Ratio Lower Upper

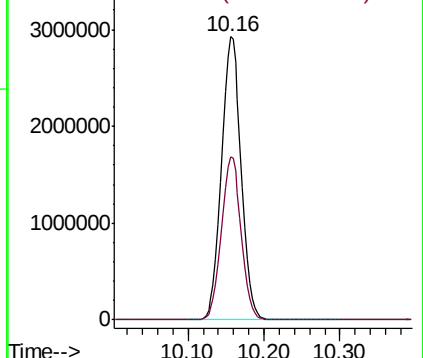
91 100

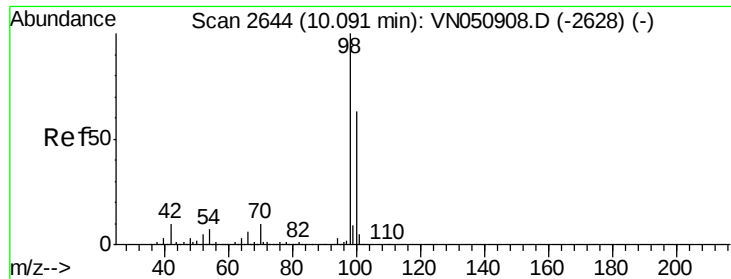
92 57.6 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 29.169 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050911.D

Acq: 28 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampled :

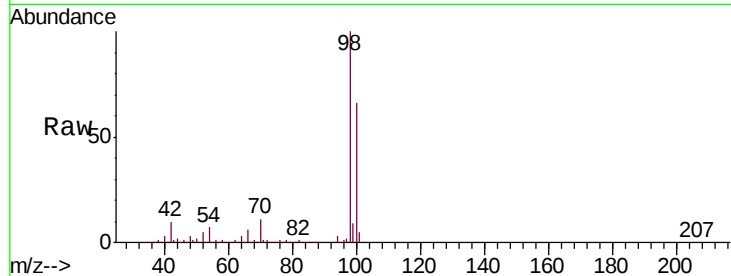
VSTDIC150

Tgt Ion: 98 Resp: 869497

Ion Ratio Lower Upper

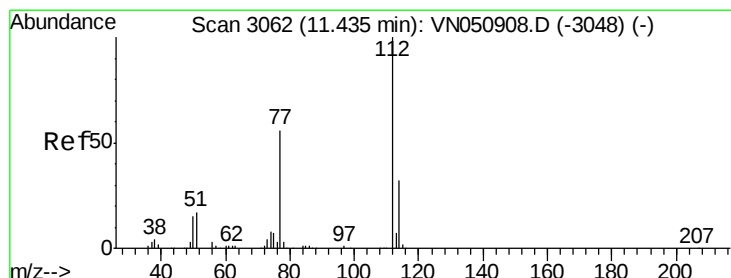
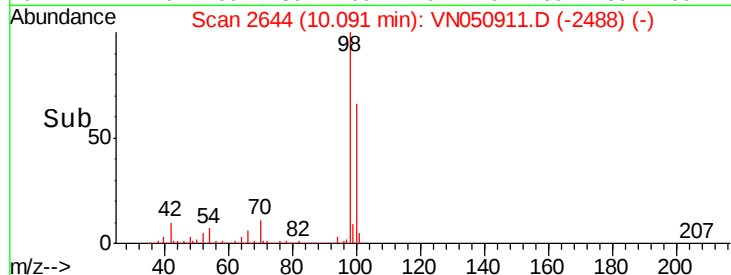
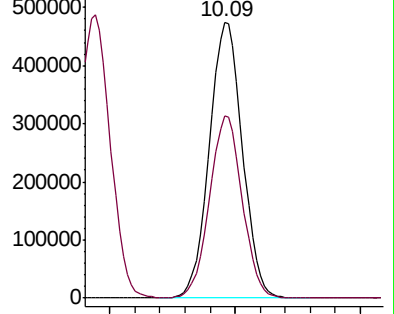
98 100

100 65.2 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN050911.D (-2488) (-)

Ion 100.00 (99.70 to 100.70): VN050911.D (-2488) (-)



#64

Chlorobenzene

Concen: 150.299 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050911.D

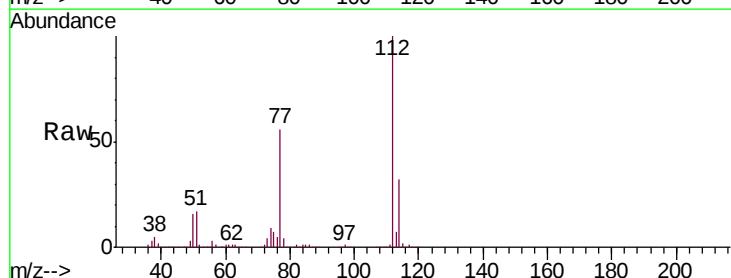
Acq: 28 Aug 2018 13:39

Tgt Ion: 112 Resp: 3321838

Ion Ratio Lower Upper

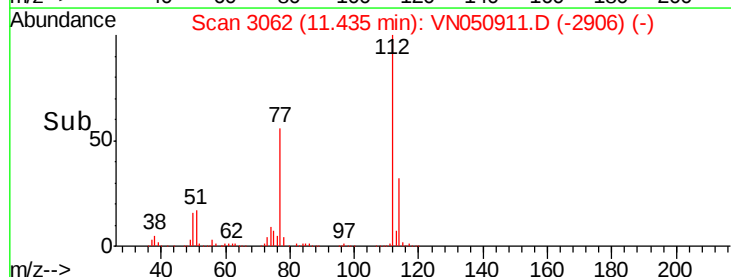
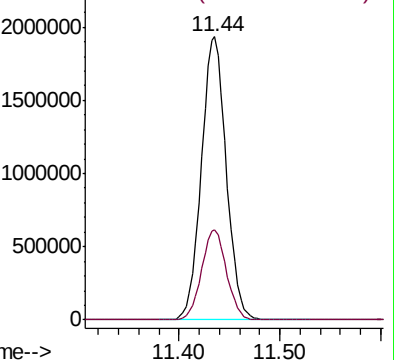
112 100

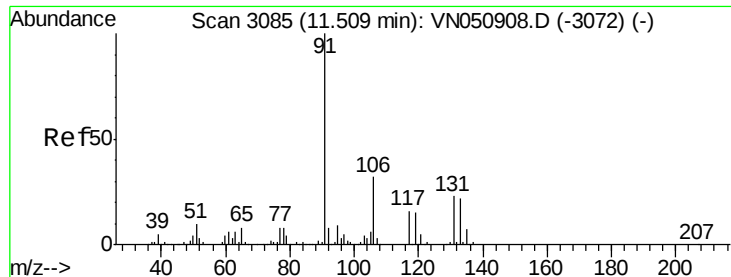
114 32.1 25.5 38.3



Abundance Ion 112.00 (111.70 to 112.70): VN050911.D (-2906) (-)

Ion 114.00 (113.70 to 114.70): VN050911.D (-2906) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 150.099 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050911.D

Acq: 28 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

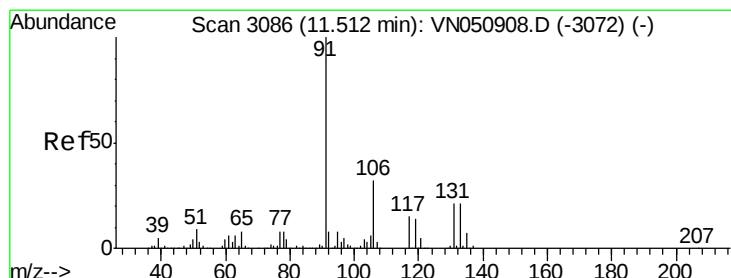
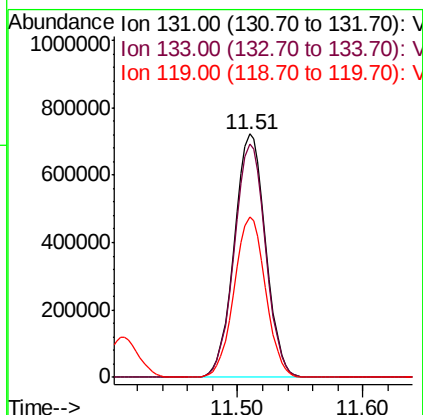
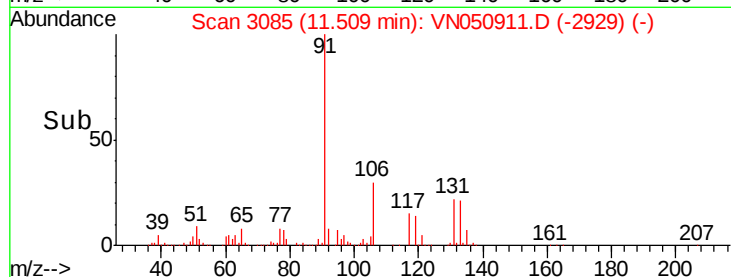
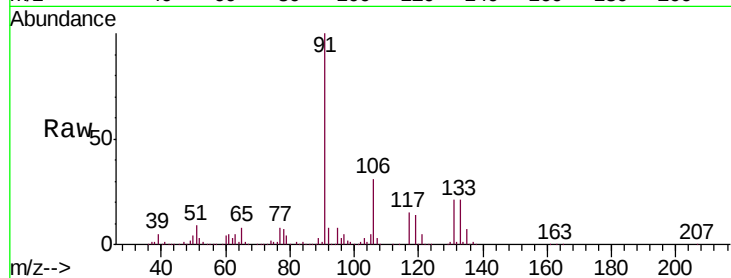
Tgt Ion:131 Resp: 1252544

Ion Ratio Lower Upper

131 100

133 95.8 0.0 189.4

119 66.0 0.0 132.2



#66

Ethyl Benzene

Concen: 155.659 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050911.D

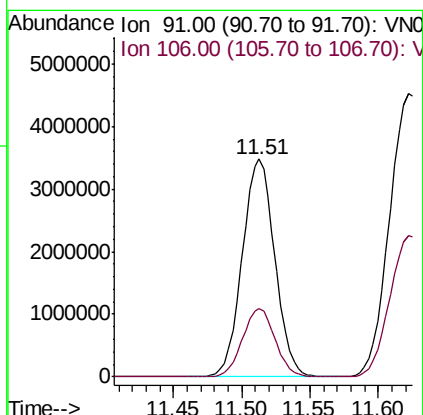
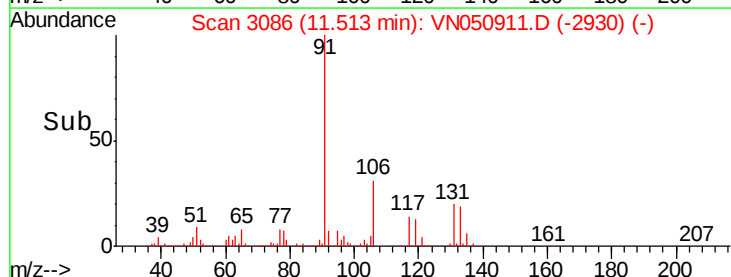
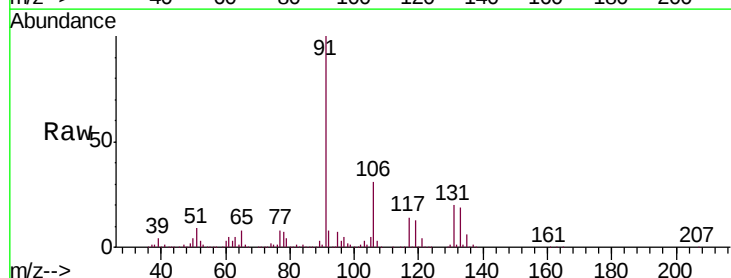
Acq: 28 Aug 2018 13:39

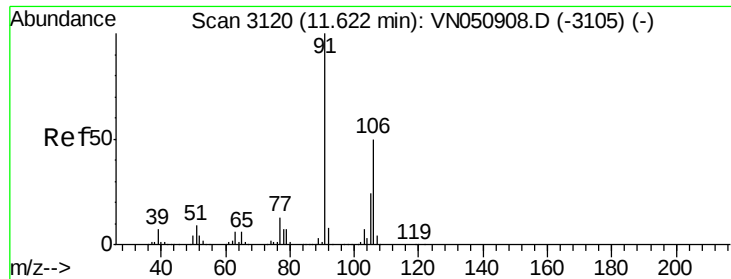
Tgt Ion: 91 Resp: 5749871

Ion Ratio Lower Upper

91 100

106 31.2 25.7 38.5





#67

m/p-Xylenes

Concen: 307.960 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050911.D

Acq: 28 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampled :

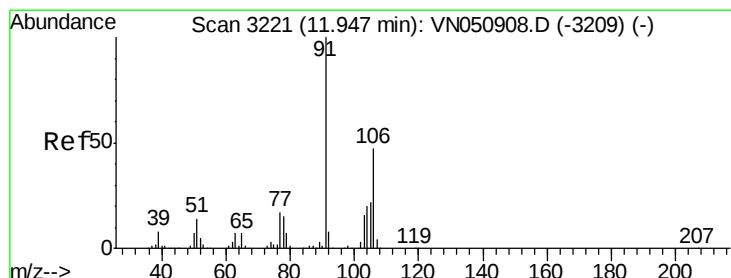
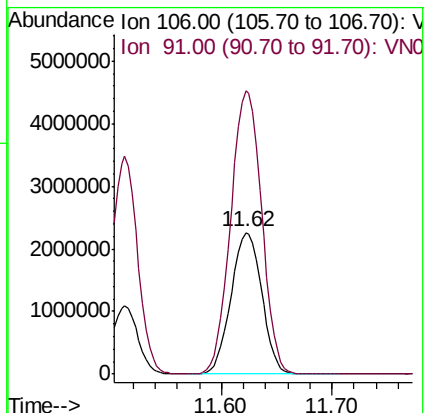
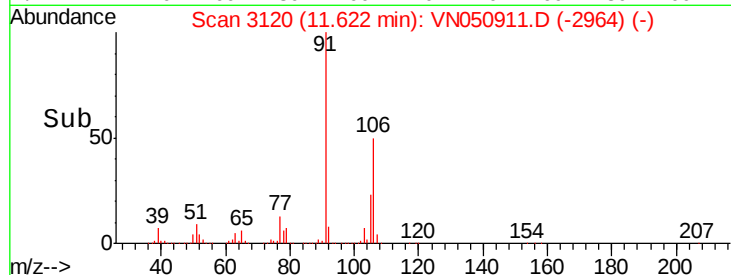
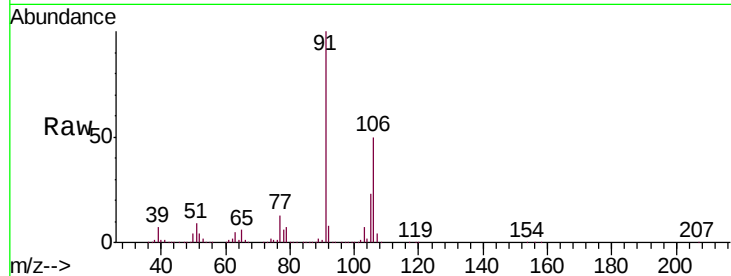
VSTDIC150

Tgt Ion:106 Resp: 4376875

Ion Ratio Lower Upper

106 100

91 201.2 160.6 241.0



#68

o-Xylene

Concen: 156.110 ug/l

RT: 11.95 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN050911.D

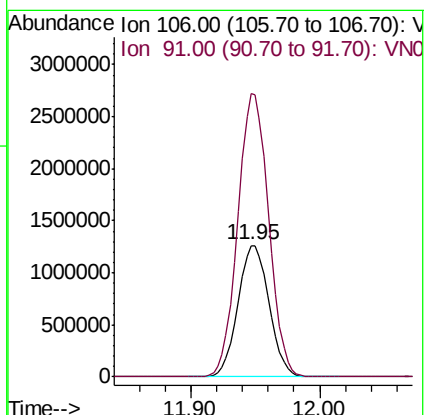
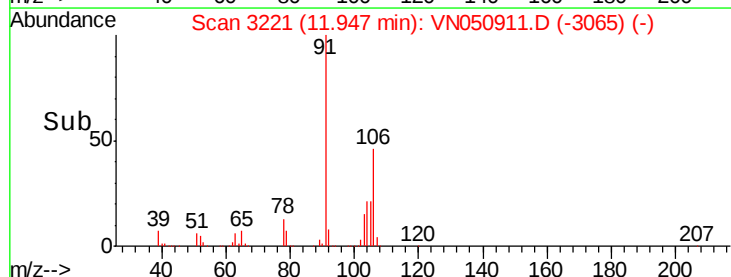
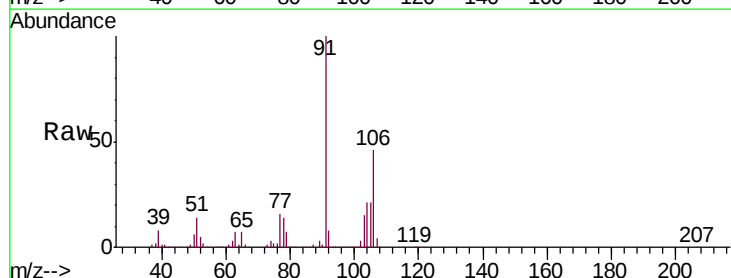
Acq: 28 Aug 2018 13:39

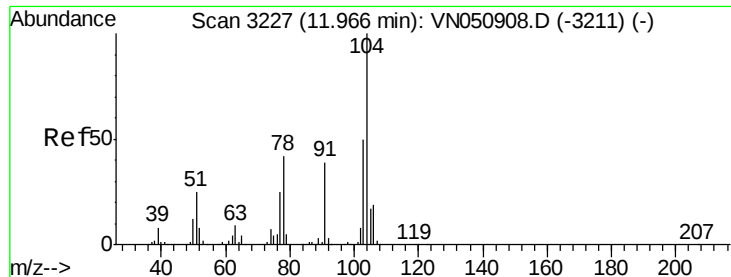
Tgt Ion:106 Resp: 2120002

Ion Ratio Lower Upper

106 100

91 213.7 106.4 319.2

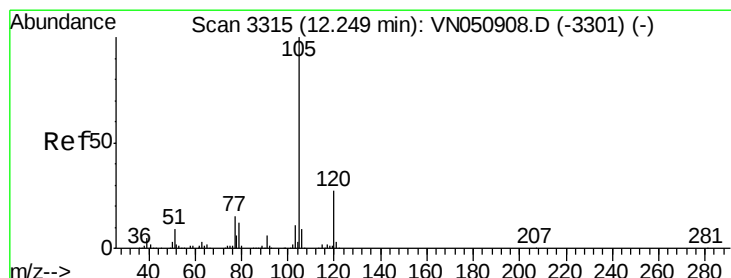
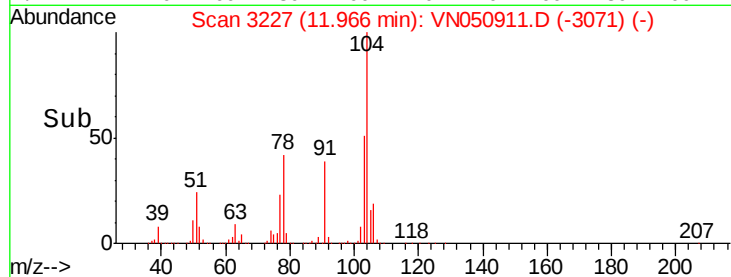
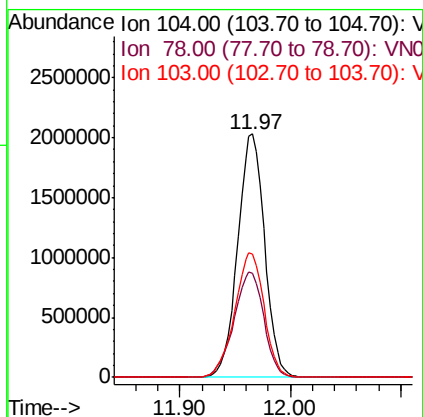
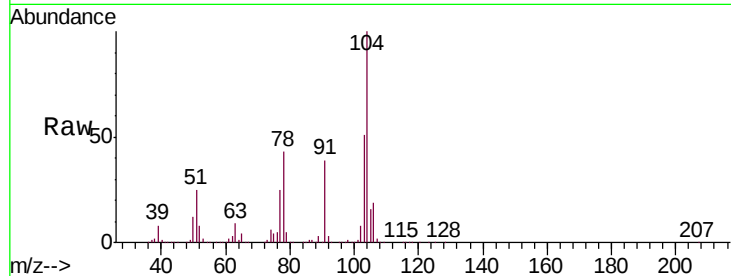




#69
Styrene
Concen: 159.000 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050911.D
Acq: 28 Aug 2018 13:39

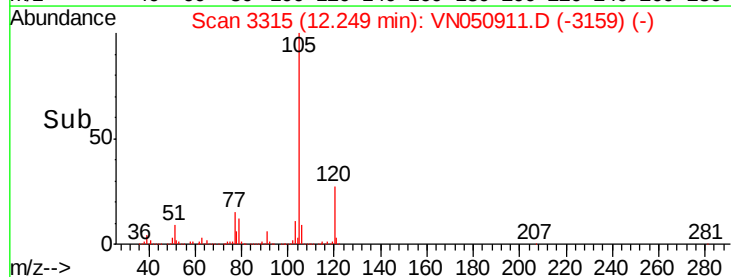
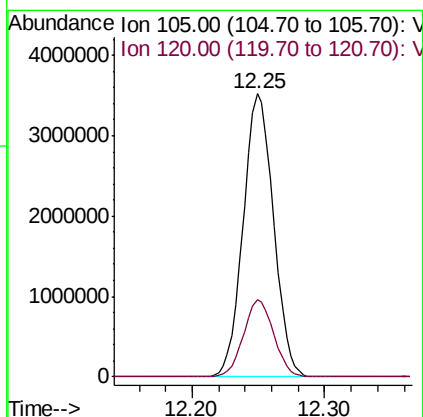
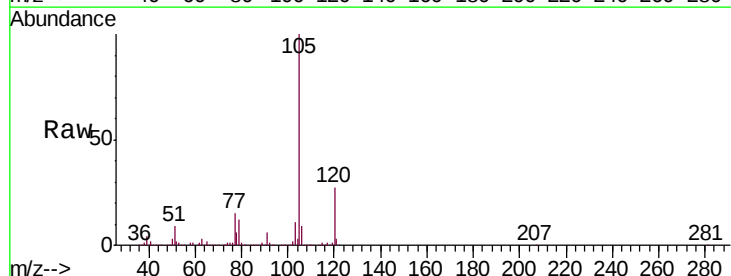
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

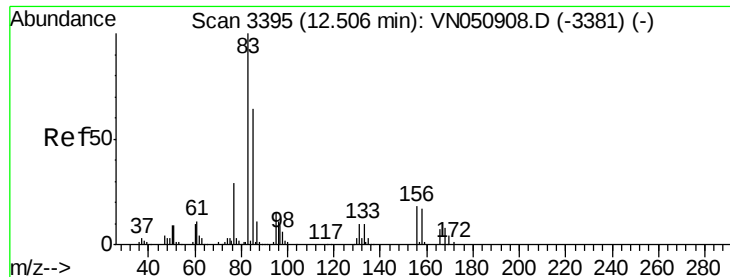
Tgt Ion:104 Resp: 3433048
Ion Ratio Lower Upper
104 100
78 48.1 38.6 58.0
103 55.7 45.4 68.2



#70
Isopropylbenzene
Concen: 155.014 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. 0.00 min
Lab File: VN050911.D
Acq: 28 Aug 2018 13:39

Tgt Ion:105 Resp: 5593791
Ion Ratio Lower Upper
105 100
120 27.2 18.6 34.6

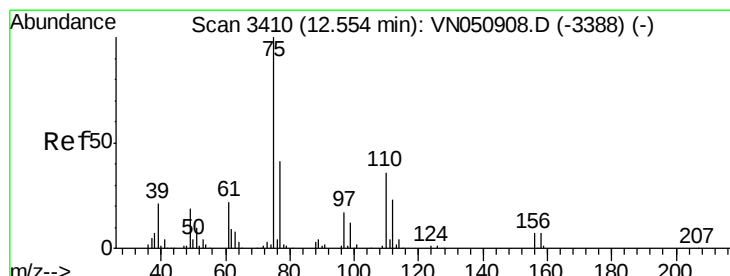
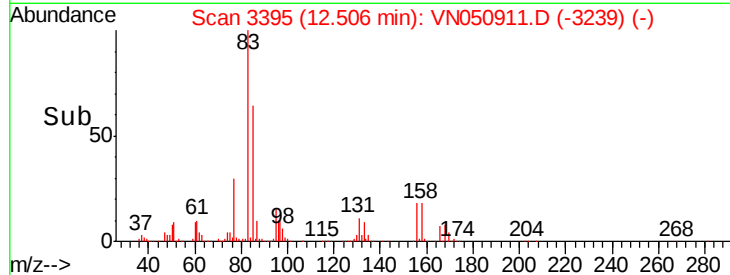
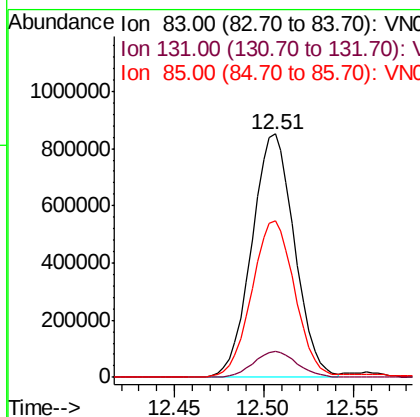
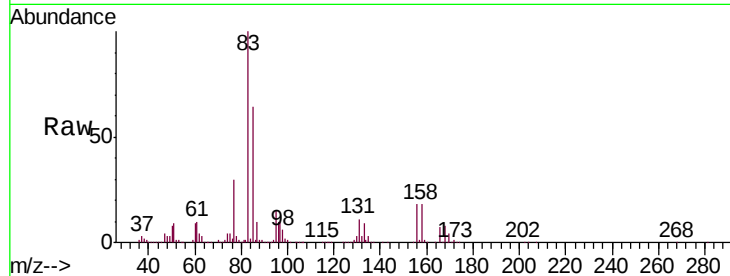




#71
 1,1,2,2-Tetrachloroethane
 Concen: 145.617 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. 0.00 min
 Lab File: VN050911.D
 Acq: 28 Aug 2018 13:39

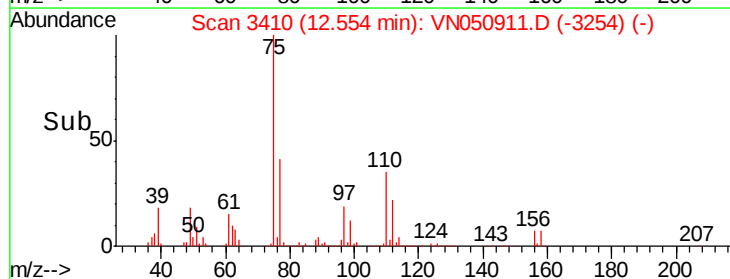
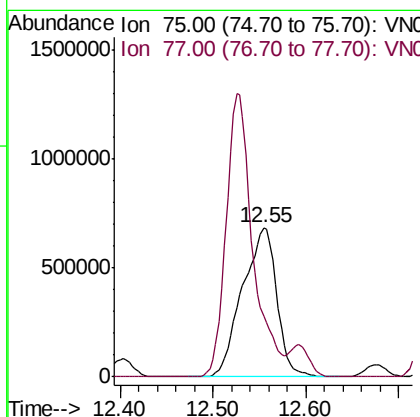
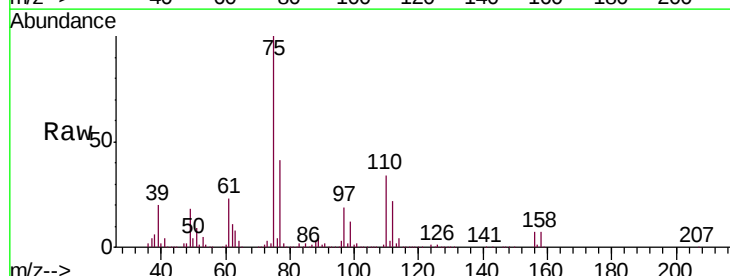
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

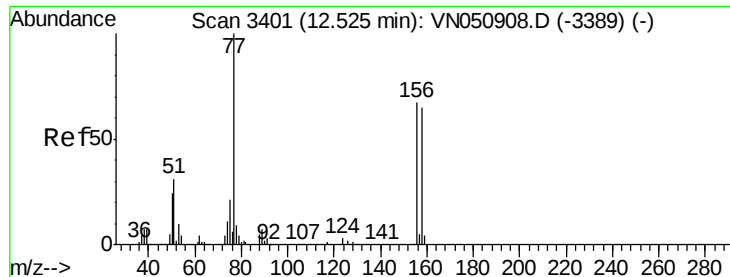
Tgt Ion: 83 Resp: 1422729
 Ion Ratio Lower Upper
 83 100
 131 10.9 5.3 15.9
 85 64.5 32.3 96.9



#72
 1,2,3-Trichloropropane
 Concen: 209.631 ug/l
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN050911.D
 Acq: 28 Aug 2018 13:39

Tgt Ion: 75 Resp: 1761506
 Ion Ratio Lower Upper
 75 100
 77 147.5 0.0 301.6





#73

Bromobenzene

Concen: 153.425 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050911.D

Acq: 28 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

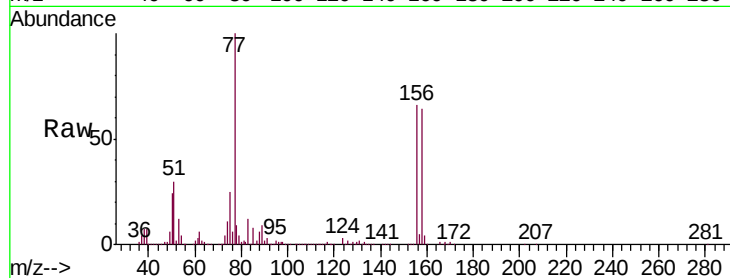
Tgt Ion:156 Resp: 1456674

Ion Ratio Lower Upper

156 100

77 178.3 0.0 359.4

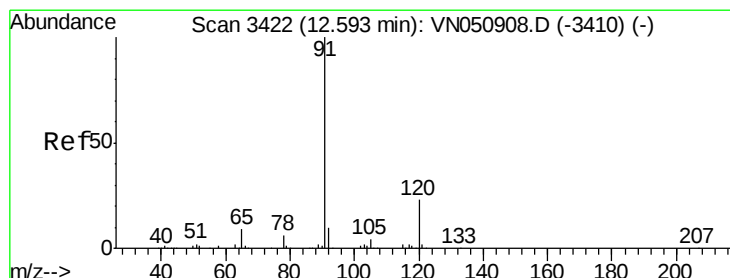
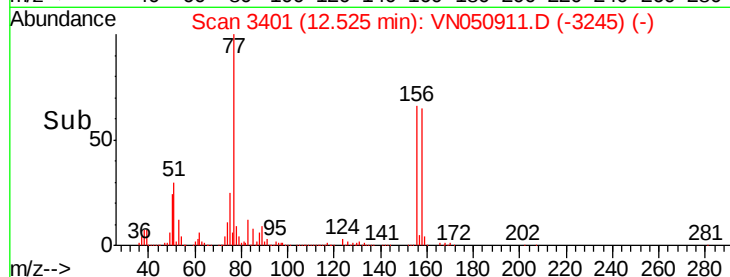
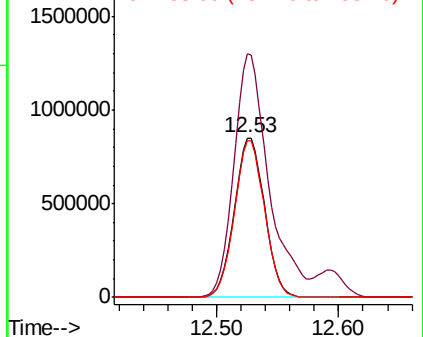
158 97.8 0.0 194.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 156.516 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050911.D

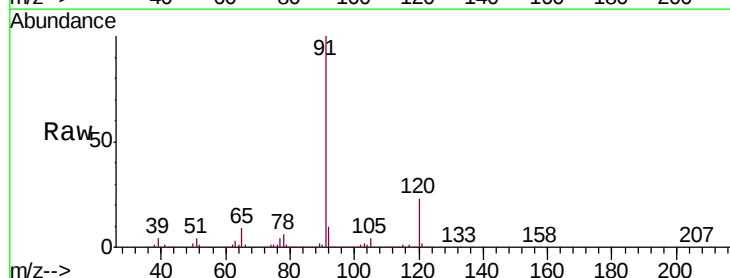
Acq: 28 Aug 2018 13:39

Tgt Ion: 91 Resp: 6385475

Ion Ratio Lower Upper

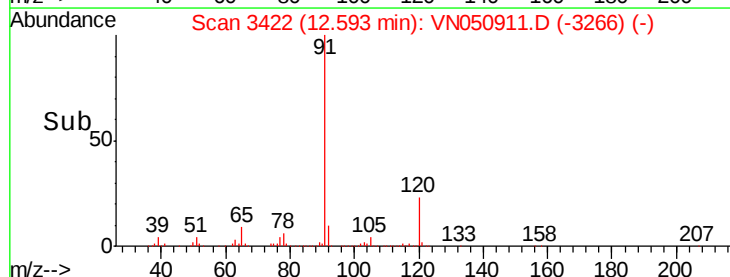
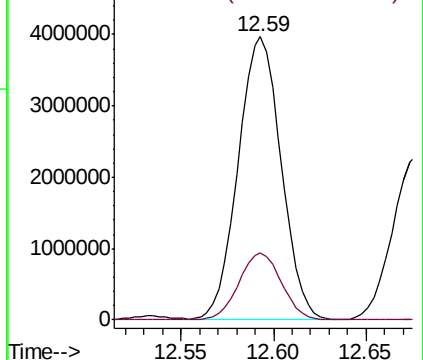
91 100

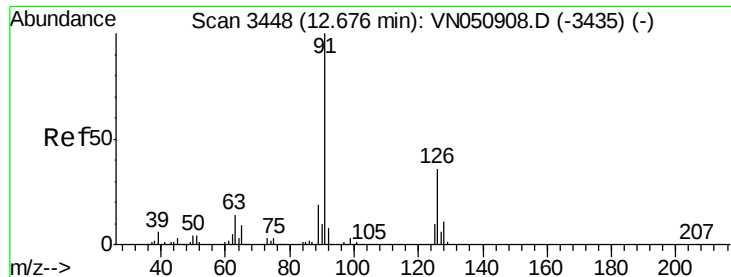
120 23.4 0.0 46.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 151.375 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050911.D

Acq: 28 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

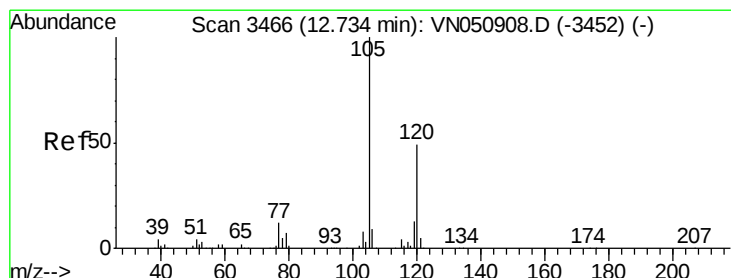
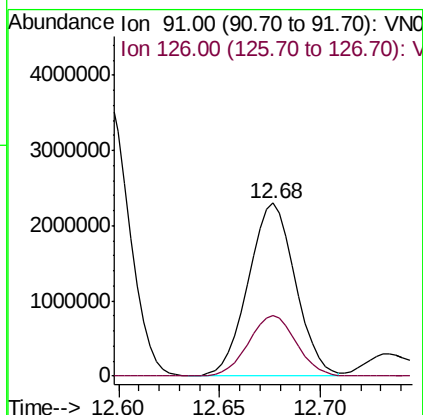
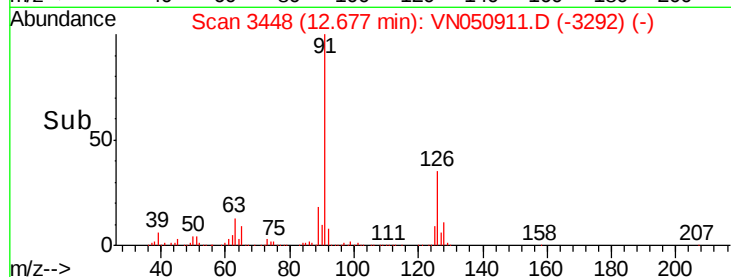
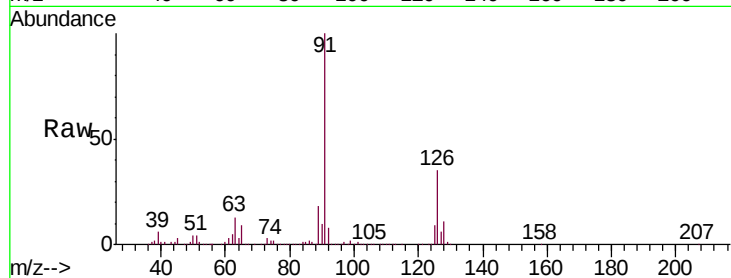
VSTDIC150

Tgt Ion: 91 Resp: 3751841

Ion Ratio Lower Upper

91 100

126 35.6 0.0 71.8



#76

1,3,5-Trimethylbenzene

Concen: 153.854 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050911.D

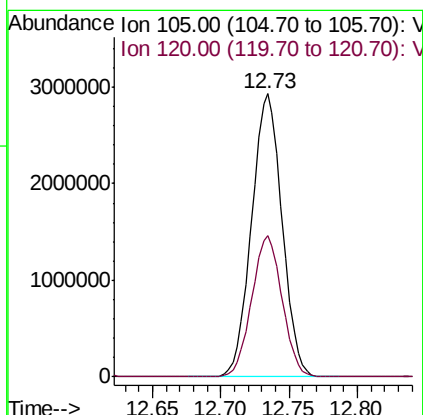
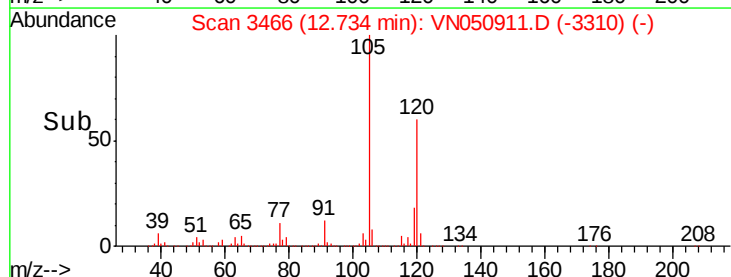
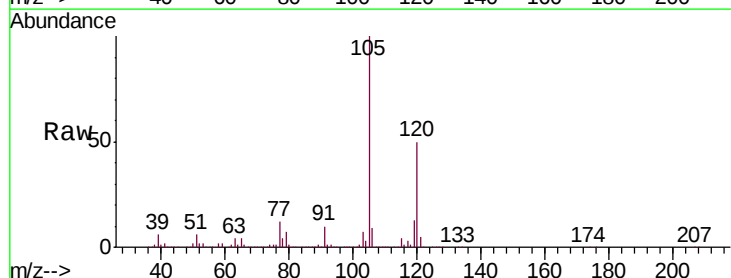
Acq: 28 Aug 2018 13:39

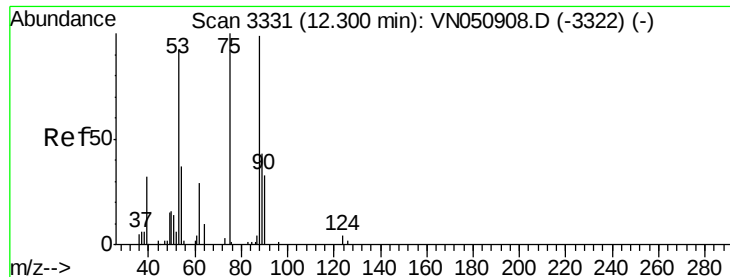
Tgt Ion: 105 Resp: 4537068

Ion Ratio Lower Upper

105 100

120 49.7 0.0 99.6

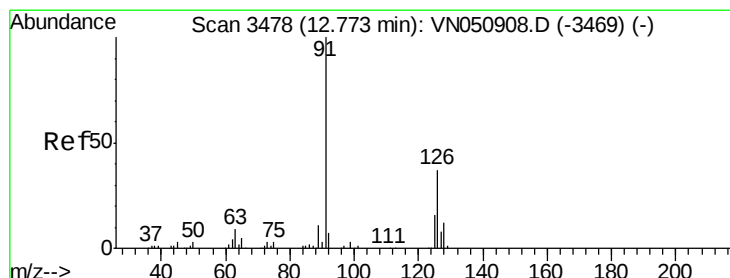
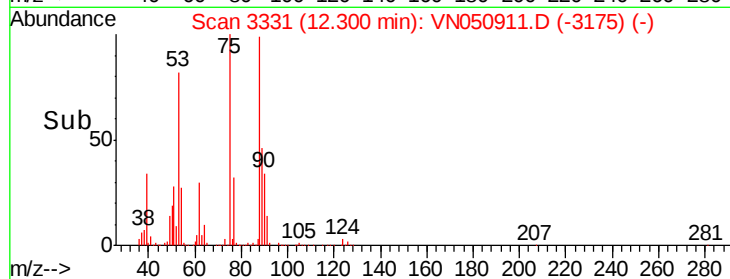
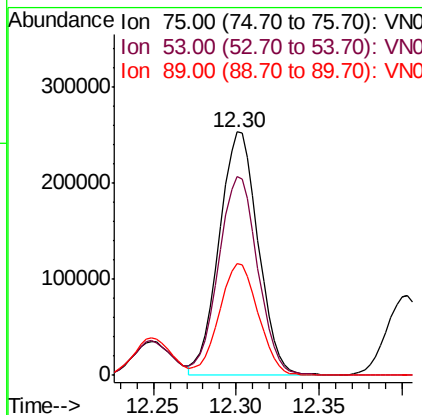
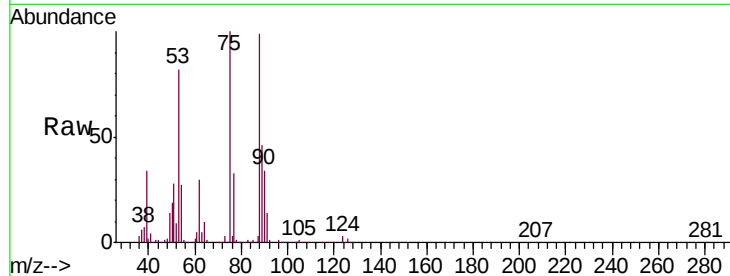




#77
t-1,4-Dichloro-2-butene
Concen: 172.628 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. 0.00 min
Lab File: VN050911.D
Acq: 28 Aug 2018 13:39

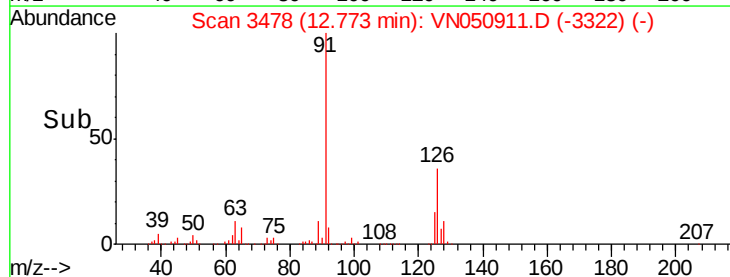
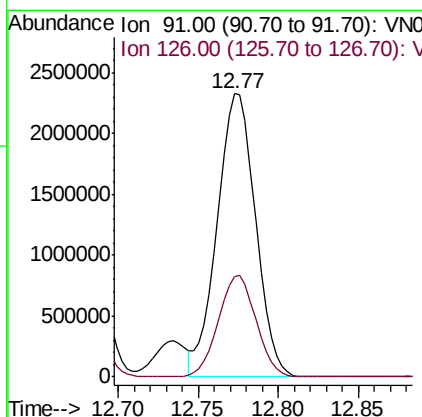
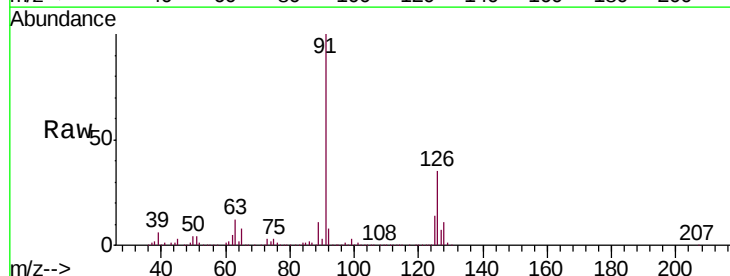
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

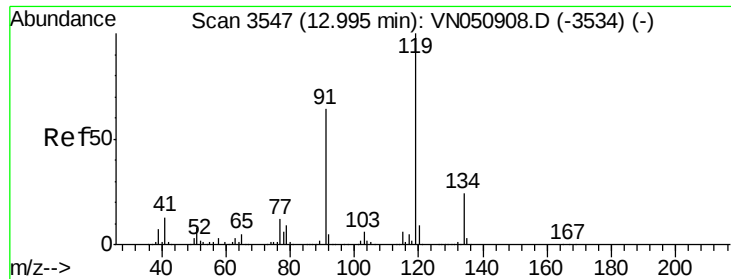
Tgt Ion: 75 Resp: 414554
Ion Ratio Lower Upper
75 100
53 81.8 45.5 136.4
89 46.1 21.9 65.8



#78
4-Chlorotoluene
Concen: 156.898 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. 0.00 min
Lab File: VN050911.D
Acq: 28 Aug 2018 13:39

Tgt Ion: 91 Resp: 3829025
Ion Ratio Lower Upper
91 100
126 35.1 0.0 69.8

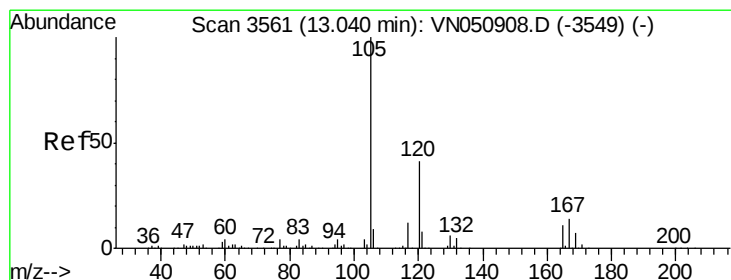
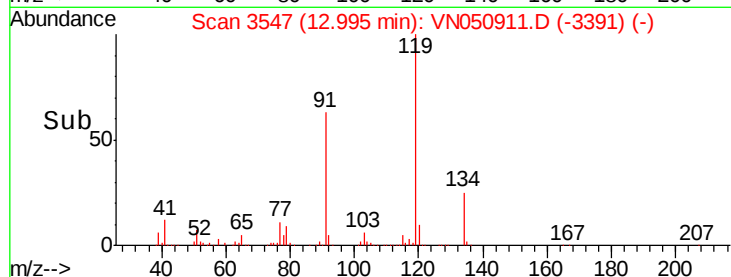
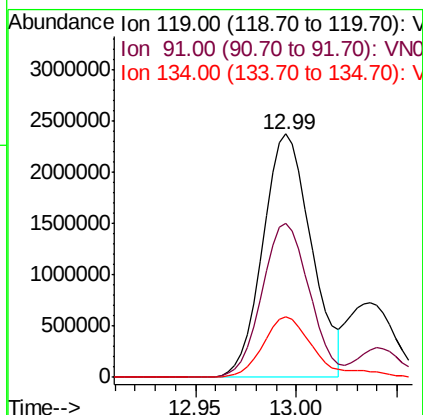
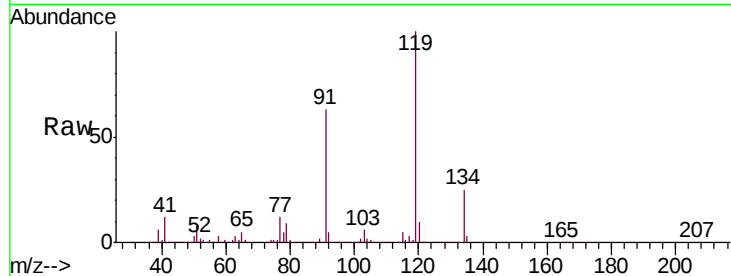




#79
tert-butylbenzene
Concen: 155.147 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050911.D
Acq: 28 Aug 2018 13:39

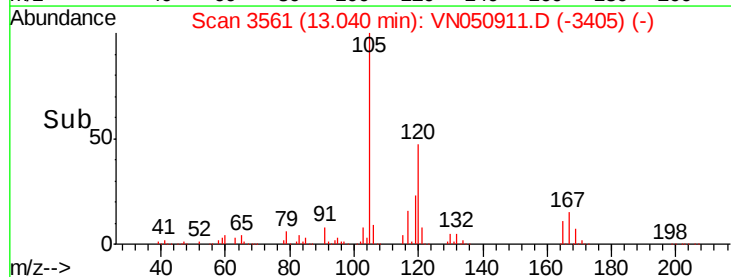
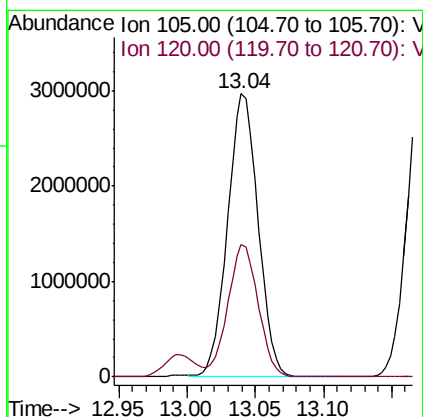
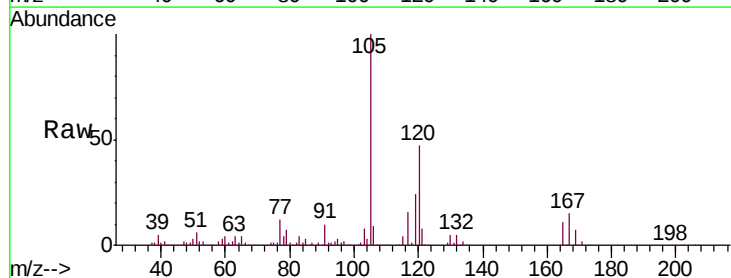
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

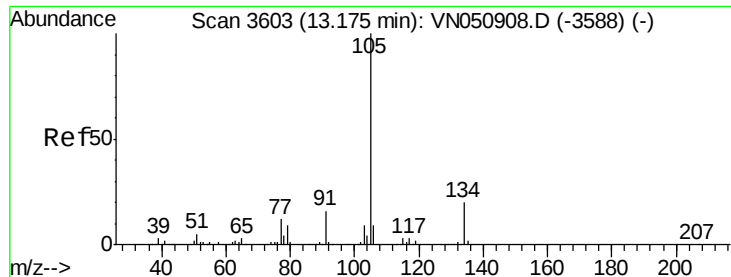
Tgt Ion:119 Resp: 3973371
Ion Ratio Lower Upper
119 100
91 62.0 0.0 125.6
134 24.7 0.0 48.4



#80
1,2,4-Trimethylbenzene
Concen: 156.960 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. 0.00 min
Lab File: VN050911.D
Acq: 28 Aug 2018 13:39

Tgt Ion:105 Resp: 4614828
Ion Ratio Lower Upper
105 100
120 46.4 0.0 93.6

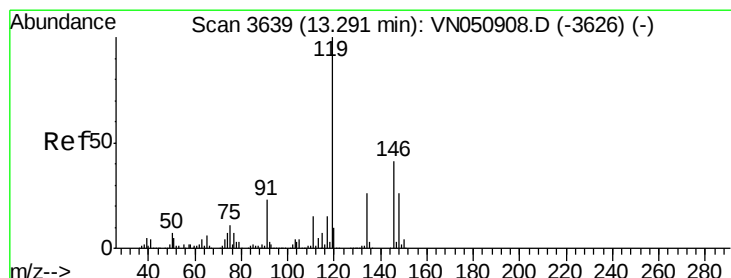
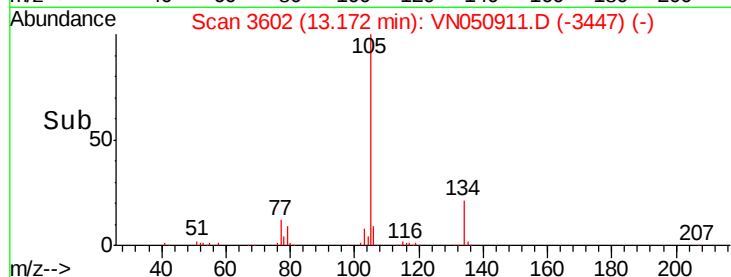
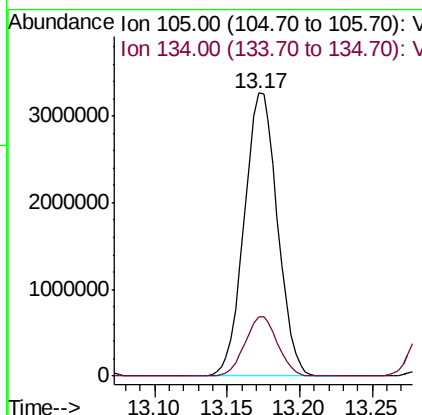
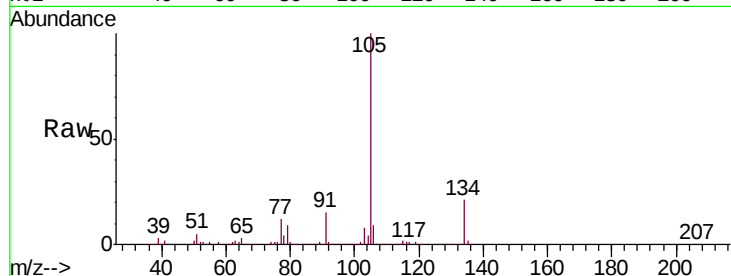




#81
 sec-Butylbenzene
 Concen: 155.746 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN050911.D
 Acq: 28 Aug 2018 13:39

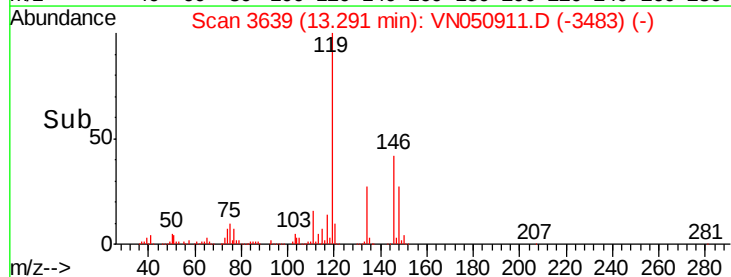
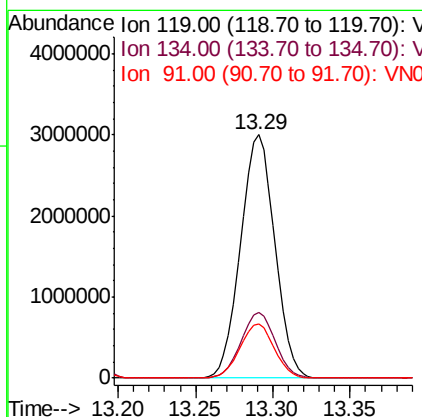
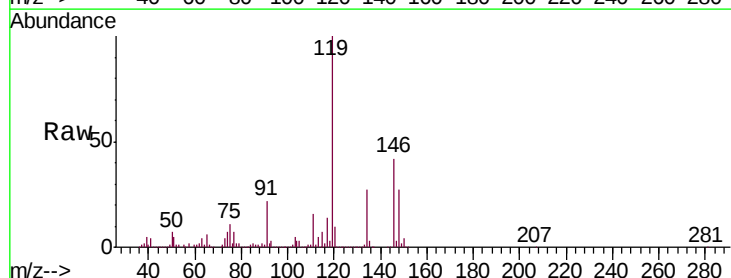
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

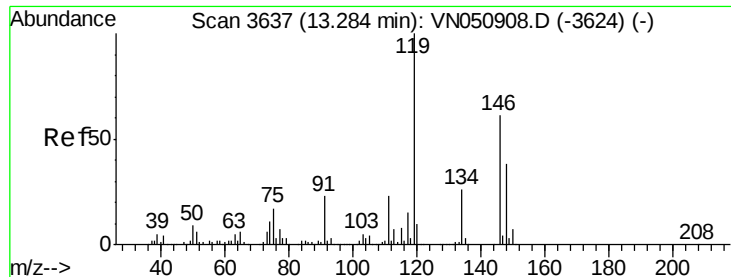
Tgt Ion:105 Resp: 5218885
 Ion Ratio Lower Upper
 105 100
 134 20.6 0.0 40.8



#82
 p-Isopropyltoluene
 Concen: 159.744 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050911.D
 Acq: 28 Aug 2018 13:39

Tgt Ion:119 Resp: 4620356
 Ion Ratio Lower Upper
 119 100
 134 27.0 0.0 53.2
 91 22.2 0.0 46.0

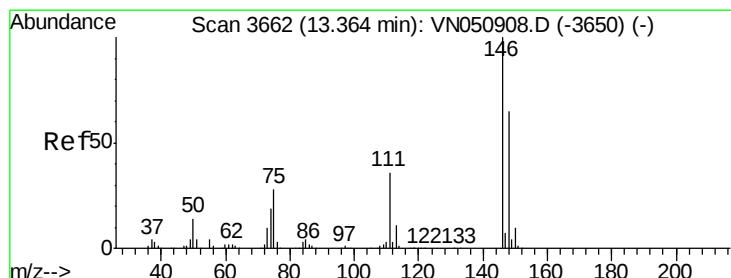
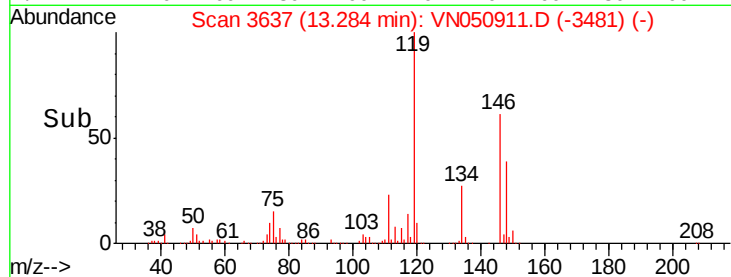
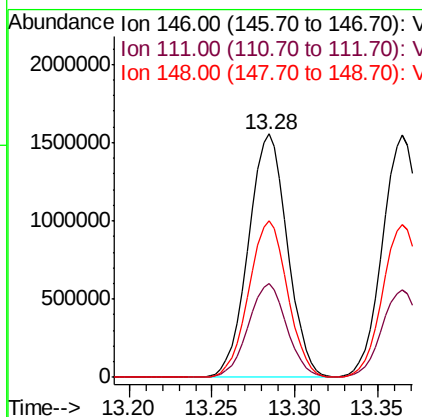
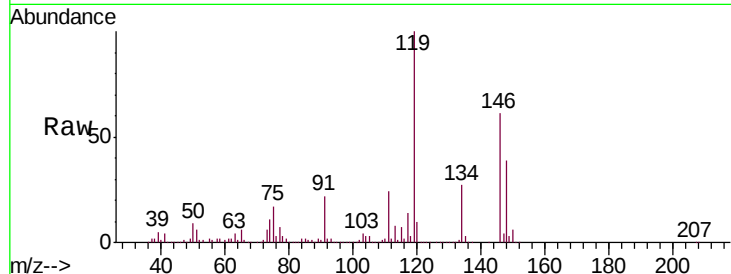




#83
 1,3-Dichlorobenzene
 Concen: 158.580 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050911.D
 Acq: 28 Aug 2018 13:39

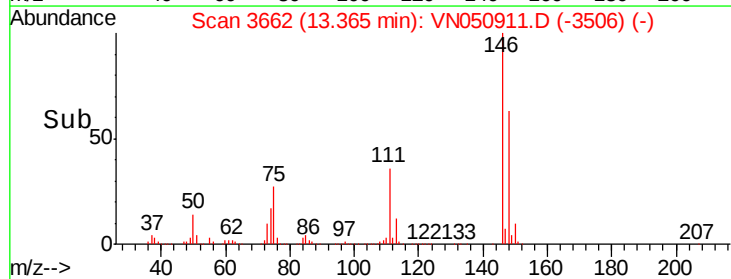
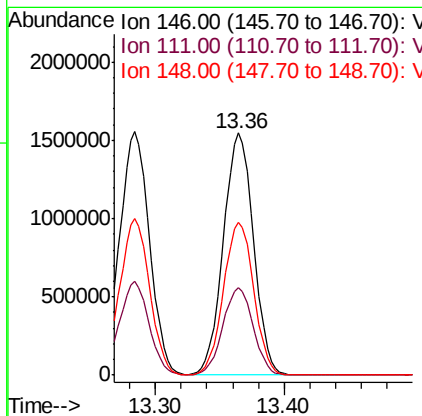
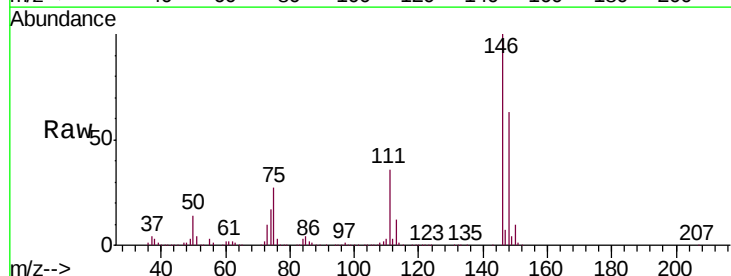
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

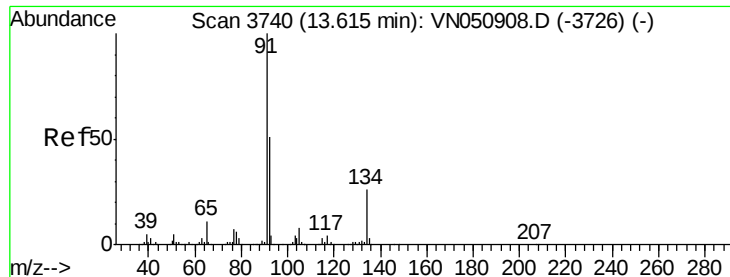
Tgt Ion:146 Resp: 2545517
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.6 55.6
 148 64.0 31.8 95.3



#84
 1,4-Dichlorobenzene
 Concen: 164.483 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050911.D
 Acq: 28 Aug 2018 13:39

Tgt Ion:146 Resp: 2501677
 Ion Ratio Lower Upper
 146 100
 111 36.4 17.7 53.1
 148 63.6 31.6 94.8

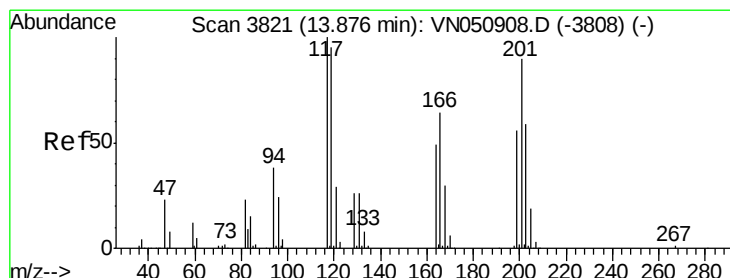
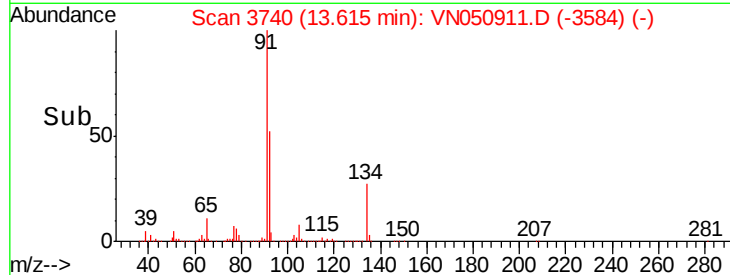
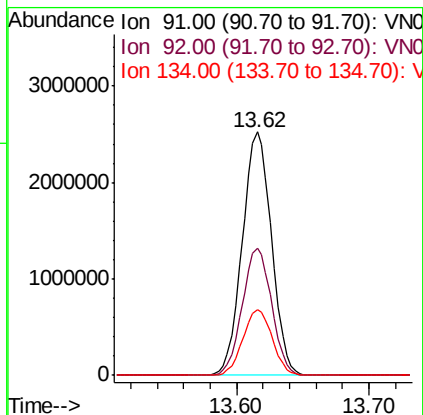
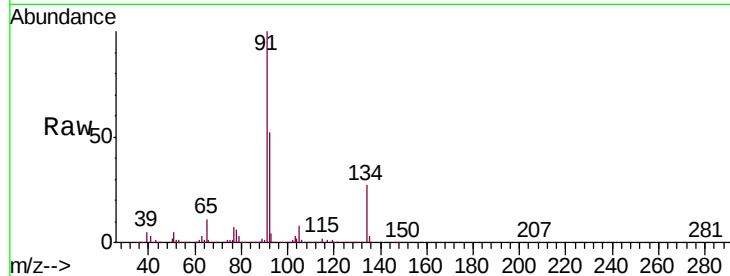




#85
n-Butylbenzene
Concen: 174.293 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050911.D
Acq: 28 Aug 2018 13:39

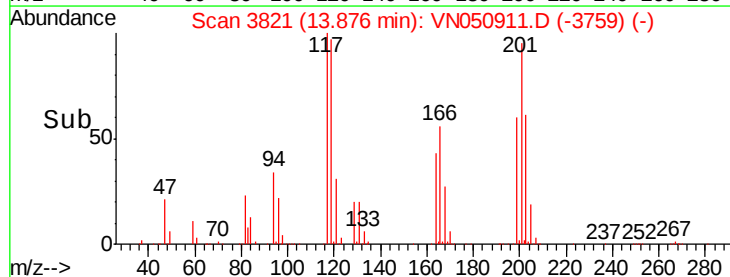
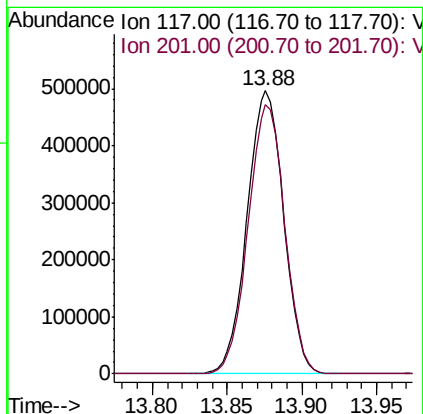
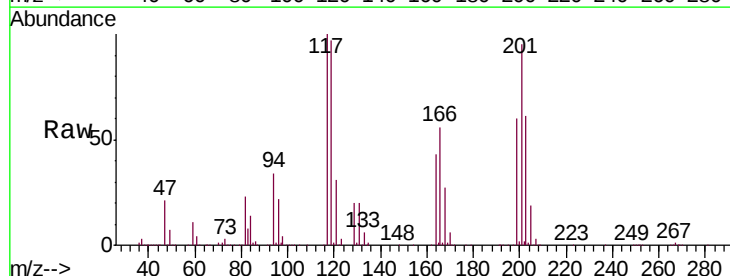
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

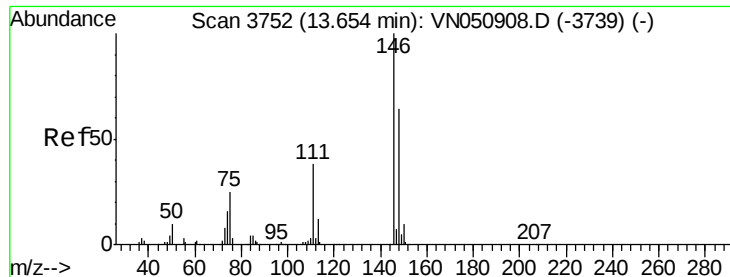
Tgt Ion: 91 Resp: 3846515
Ion Ratio Lower Upper
91 100
92 52.5 0.0 101.8
134 27.1 0.0 52.2



#86
Hexachloroethane
Concen: 151.929 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050911.D
Acq: 28 Aug 2018 13:39

Tgt Ion: 117 Resp: 843454
Ion Ratio Lower Upper
117 100
201 95.2 45.8 137.4





#87

1,2-Dichlorobenzene

Concen: 154.589 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050911.D

Acq: 28 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

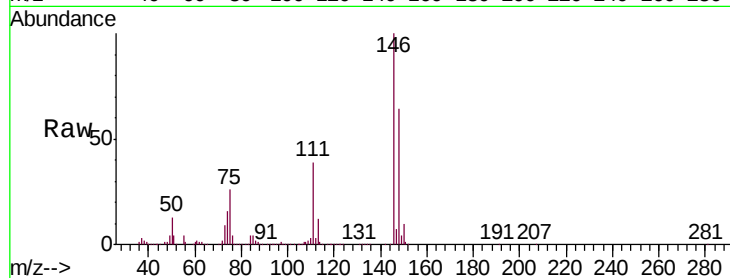
Tgt Ion:146 Resp: 2442489

Ion Ratio Lower Upper

146 100

111 39.0 19.1 57.1

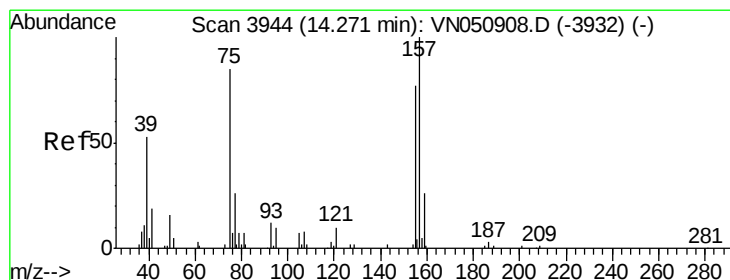
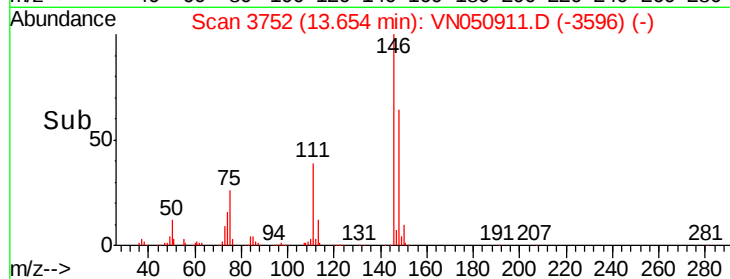
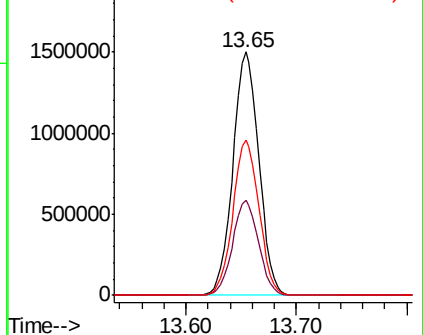
148 63.9 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 162.761 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050911.D

Acq: 28 Aug 2018 13:39

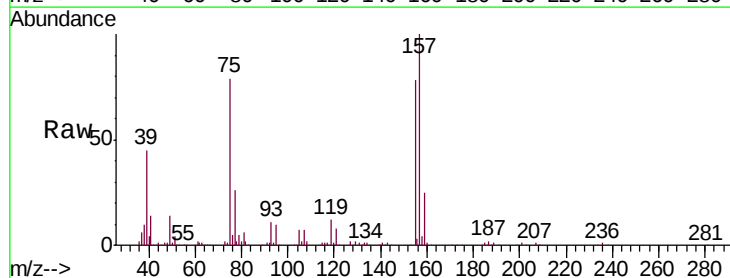
Tgt Ion: 75 Resp: 222472

Ion Ratio Lower Upper

75 100

155 98.0 71.8 107.6

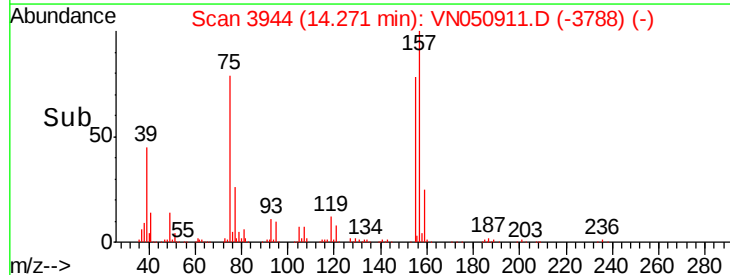
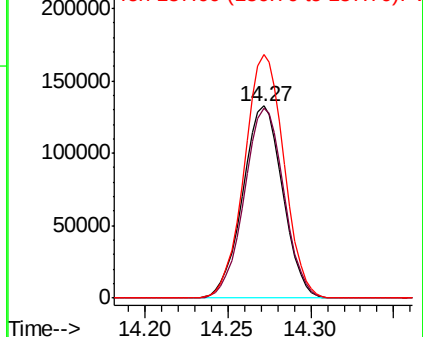
157 125.6 91.1 136.7

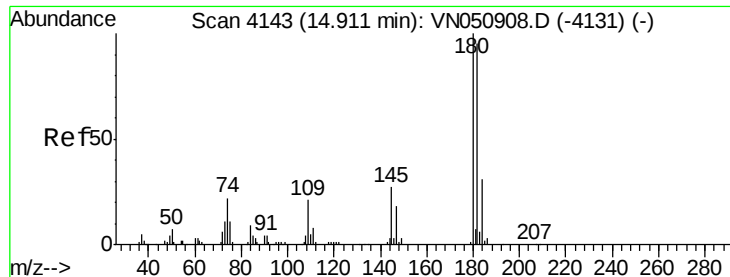


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

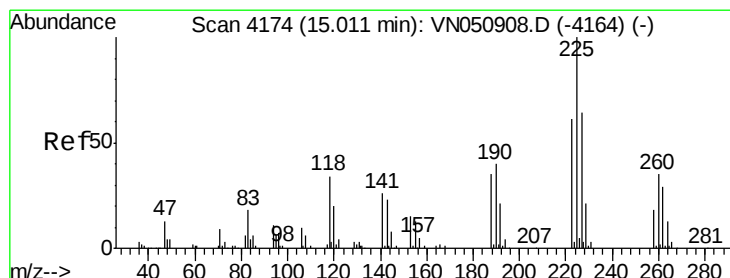
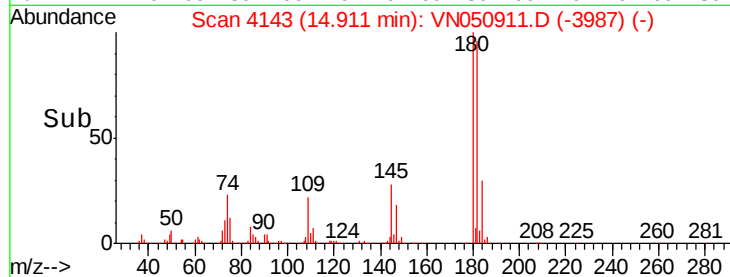
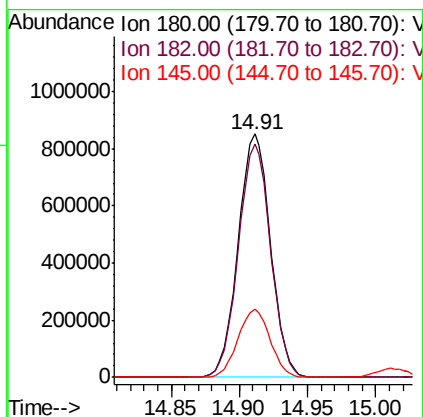
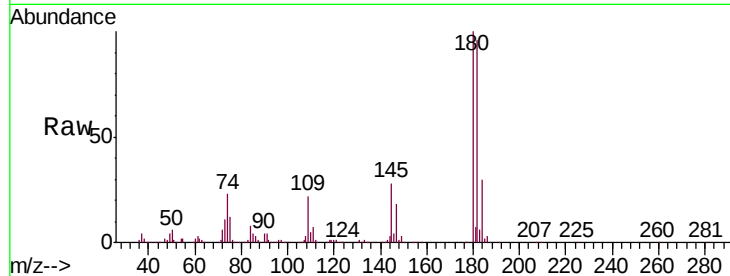




#89
 1,2,4-Trichlorobenzene
 Concen: 199.098 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050911.D
 Acq: 28 Aug 2018 13:39

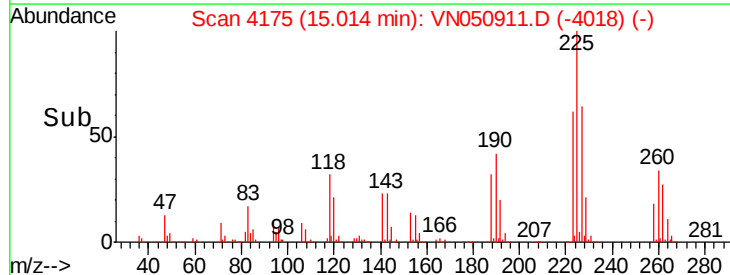
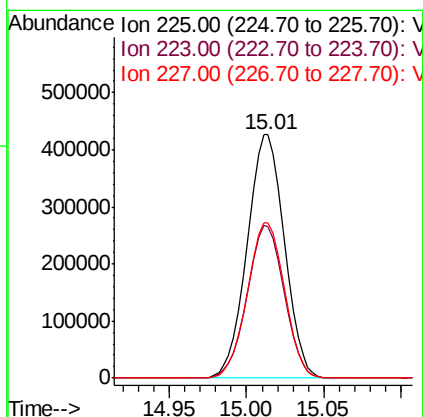
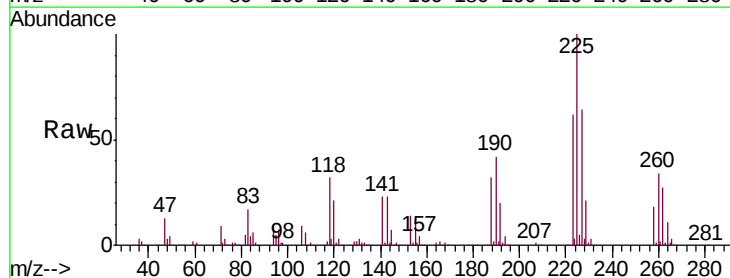
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

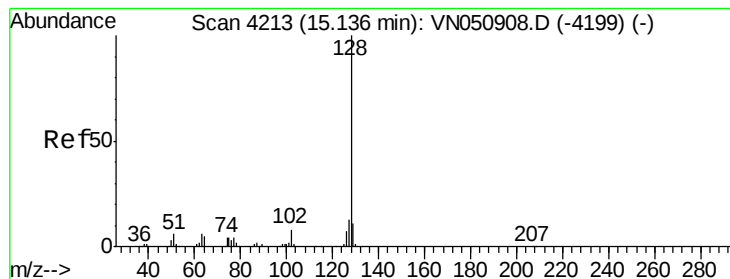
Tgt Ion:180 Resp: 1400430
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.2 114.4
 145 28.0 22.2 33.4



#90
 Hexachlorobutadiene
 Concen: 149.721 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050911.D
 Acq: 28 Aug 2018 13:39

Tgt Ion:225 Resp: 715503
 Ion Ratio Lower Upper
 225 100
 223 62.4 0.0 127.8
 227 64.1 0.0 128.4





#91

Naphthalene

Concen: 213.014 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050911.D

Acq: 28 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

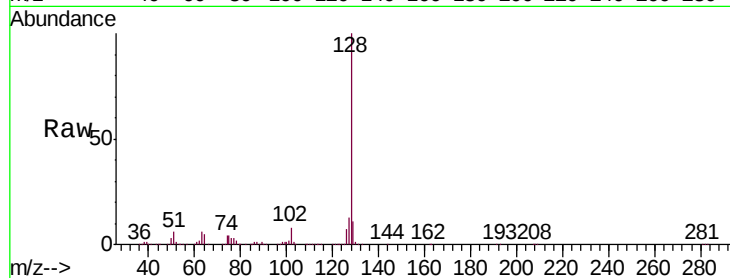
Tgt Ion:128 Resp: 3211372

Ion Ratio Lower Upper

128 100

127 12.9 10.6 16.0

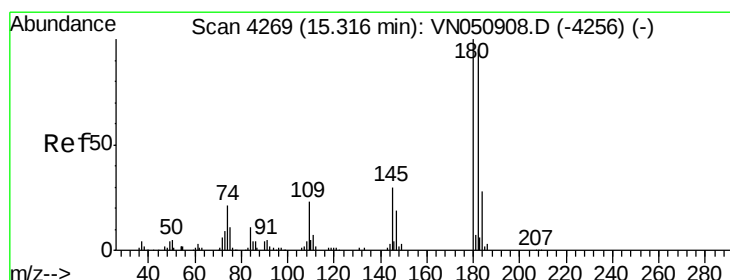
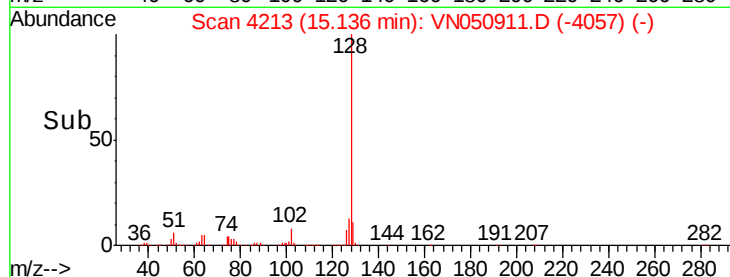
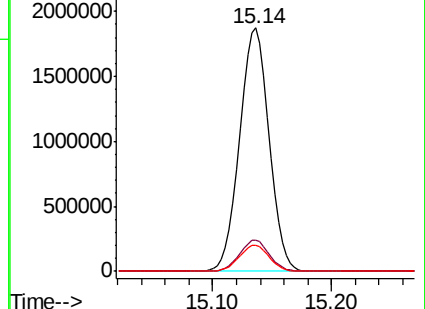
129 10.8 8.7 13.1



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



#92

1,2,3-Trichlorobenzene

Concen: 189.866 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050911.D

Acq: 28 Aug 2018 13:39

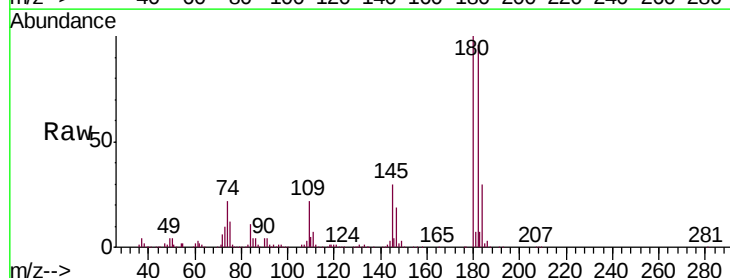
Tgt Ion:180 Resp: 1340100

Ion Ratio Lower Upper

180 100

182 96.9 0.0 192.8

145 30.0 0.0 60.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

