

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083018\
 Data File : VN050975.D
 Acq On : 30 Aug 2018 20:48
 Operator : MD\SY
 Sample : VN0830WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBSD02

Quant Time: Aug 31 01:42:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	114883	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	615222	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	527750	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	222738	30.38	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.27%
60) 4-Bromofluorobenzene	12.40	95	228613	29.13	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.10%
63) Toluene-d8	10.09	98	767652	31.19	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.97%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	138033	19.35	ug/l	100
3) Chloromethane	2.06	50	155896	18.50	ug/l	99
4) Vinyl Chloride	2.18	62	155512	18.68	ug/l	100
5) Bromomethane	2.56	94	92125	18.16	ug/l	98
6) Chloroethane	2.70	64	91697	18.68	ug/l	97
7) Trichlorofluoromethane	3.01	101	213932	19.39	ug/l	99
8) Diethyl Ether	3.41	74	71932	18.49	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	131814	19.29	ug/l	99
10) 1,1-Dichloroethene	3.74	96	115595	18.62	ug/l	95
11) Methyl Iodide	3.95	142	91946	15.88	ug/l	99
12) Methyl Acetate	4.33	43	151136	21.06	ug/l	97
13) Acrolein	3.62	56	8801	55.37	ug/l	94
14) Acrylonitrile	4.99	53	225281	92.82	ug/l	97
15) Acetone	3.82	58	55416	89.23	ug/l	87
16) Carbon Disulfide	4.05	76	335111	17.95	ug/l	100
17) Allyl chloride	4.32	41	171156	17.52	ug/l	98
18) Methylene Chloride	4.55	84	137268	18.84	ug/l	97
19) trans-1,2-Dichloroethene	5.04	96	123386	18.66	ug/l	99
20) Diisopropyl ether	5.96	45	392968	19.38	ug/l	98
21) 1,1-Dichloroethane	5.85	63	239289	19.25	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	139594	18.68	ug/l	98
23) tert-Butyl Alcohol	4.79	59	45620	88.39	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	314420	18.52	ug/l	99
25) Chloroform	7.37	83	242853	19.57	ug/l	96
26) Cyclohexane	7.66	56	183170	17.79	ug/l	# 98
29) 1,1-Dichloropropene	7.80	75	170608	18.52	ug/l	99
30) 2-Butanone	6.84	43	241843	85.35	ug/l	99
31) 2,2-Dichloropropane	6.83	77	164633	18.37	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	203992	19.53	ug/l	98
33) Carbon Tetrachloride	7.78	117	181744	19.32	ug/l	98
34) Benzene	8.04	78	542790	19.05	ug/l	98
35) Methacrylonitrile	7.17	41	50351	16.22	ug/l	96
36) 1,2-Dichloroethane	8.13	62	167305	19.42	ug/l	100
37) Trichloroethene	8.84	130	142426	19.12	ug/l	98
38) Methylcyclohexane	9.08	83	173642	17.55	ug/l	100
39) 1,2-Dichloropropane	9.12	63	145349	19.53	ug/l	100
40) Dibromomethane	9.21	93	87086	19.43	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083018\
 Data File : VN050975.D
 Acq On : 30 Aug 2018 20:48
 Operator : MD\SY
 Sample : VN0830WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBSD02

Quant Time: Aug 31 01:42:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	180675	19.12	ug/l	98
42) Vinyl Acetate	5.90	43	1175045	90.03	ug/l	100
43) Ethyl Acetate	6.94	43	105253	18.13	ug/l	99
44) Isopropyl Acetate	8.17	43	199282	19.46	ug/l	100
45) 1,4-Dioxane	9.20	88	27252	358.18	ug/l	99
46) Methyl methacrylate	9.20	41	95877	18.69	ug/l	96
47) n-amyl Acetate	12.07	43	134968	16.39	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	166906	18.02	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	199352	18.74	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	125678	19.30	ug/l	97
51) Ethyl methacrylate	10.43	69	139073	17.45	ug/l	98
52) 1,3-Dichloropropane	10.71	76	206714	19.16	ug/l	99
53) Dibromochloromethane	10.90	129	139308	18.81	ug/l	97
54) 1,2-Dibromoethane	11.01	107	119123	18.50	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	300626	90.66	ug/l	100
56) Bromoform	12.13	173	95224	18.08	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	560593	92.84	ug/l	99
59) 2-Hexanone	10.75	43	350521	88.81	ug/l	99
61) Tetrachloroethene	10.63	164	128322	19.51	ug/l	97
62) Toluene	10.16	91	573682	19.48	ug/l	100
64) Chlorobenzene	11.44	112	350427	19.20	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	136523	19.82	ug/l	99
66) Ethyl Benzene	11.51	91	558127	18.30	ug/l	100
67) m/p-Xylenes	11.62	106	447564	38.14	ug/l	99
68) o-Xylene	11.95	106	211362	18.85	ug/l	99
69) Styrene	11.97	104	336143	18.86	ug/l	98
70) Isopropylbenzene	12.25	105	556076	18.66	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	157039	19.47	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	176493	25.36	ug/l	98
73) Bromobenzene	12.53	156	144628	18.45	ug/l	99
74) n-propylbenzene	12.59	91	615992	18.29	ug/l	99
75) 2-Chlorotoluene	12.68	91	388817	19.00	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	464586	19.08	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	33322	16.81	ug/l	98
78) 4-Chlorotoluene	12.77	91	373653	18.54	ug/l	100
79) tert-butylbenzene	12.99	119	384180	18.17	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	460343	18.96	ug/l	100
81) sec-Butylbenzene	13.17	105	513424	18.56	ug/l	99
82) p-Isopropyltoluene	13.29	119	433366	18.15	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	242520	18.30	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	229290	18.26	ug/l	99
85) n-Butylbenzene	13.62	91	305567	16.77	ug/l	99
86) Hexachloroethane	13.88	117	86850	18.95	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	248059	19.02	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	21083	18.68	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	85599	14.74	ug/l	99
90) Hexachlorobutadiene	15.01	225	78521	19.90	ug/l	99
91) Naphthalene	15.13	128	166599	17.75	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	95534	16.39	ug/l	99

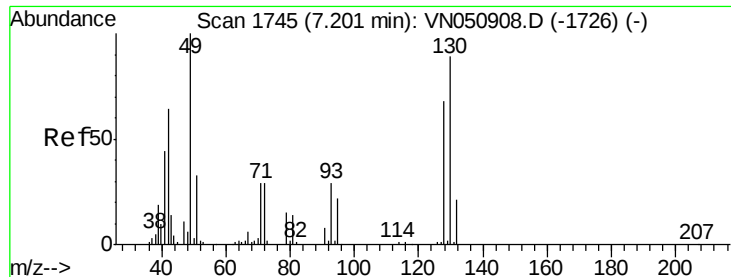
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083018\
Data File : VN050975.D
Acq On : 30 Aug 2018 20:48
Operator : MD\SY
Sample : VN0830WBSD02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD02

Quant Time: Aug 31 01:42:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 29 01:38:44 2018
Response via : Initial Calibration

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

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



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD02

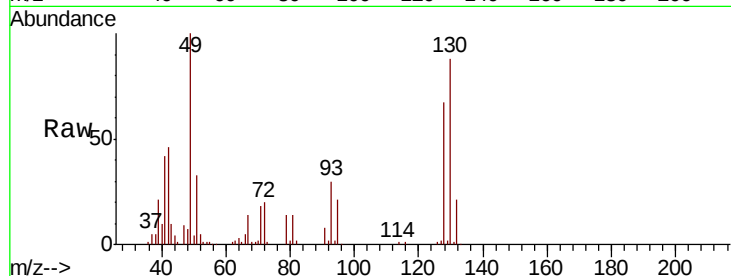
Tot Ion:128 Resp: 114883

Ion Ratio Lower Upper

128 100

49 151.6 0.0 380.3

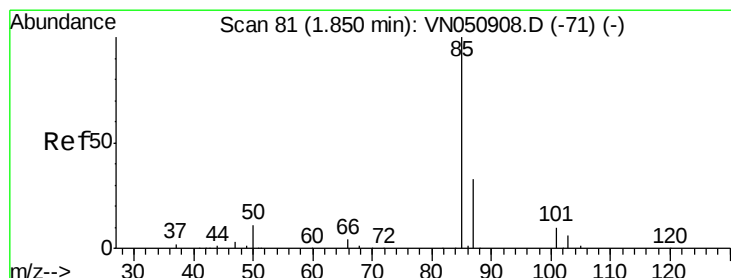
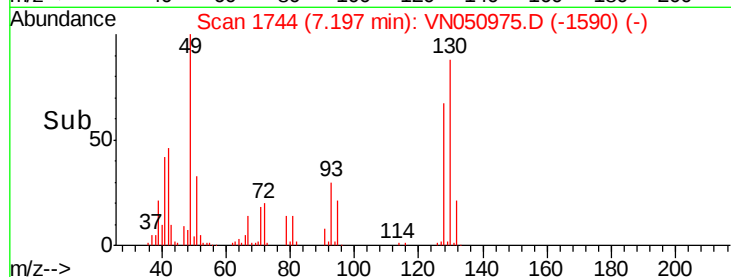
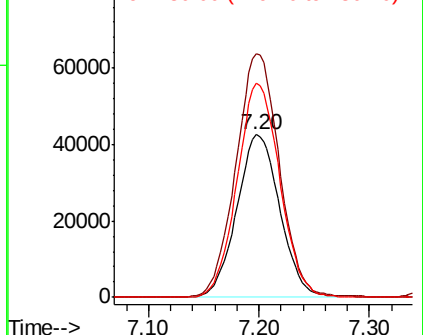
130 130.9 0.0 325.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.35 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050975.D

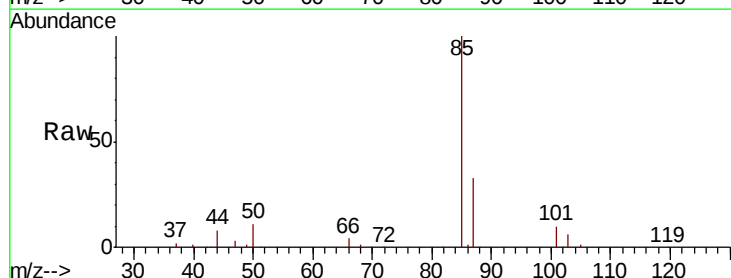
Acq: 30 Aug 2018 20:48

Tgt Ion: 85 Resp: 138033

Ion Ratio Lower Upper

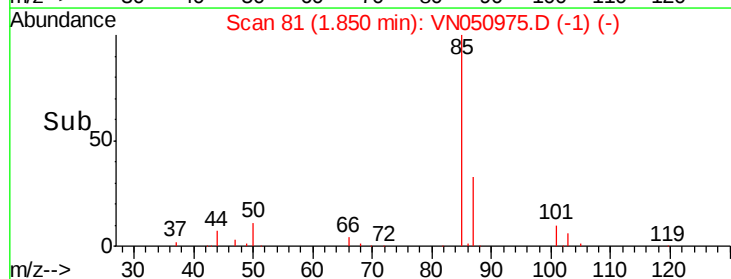
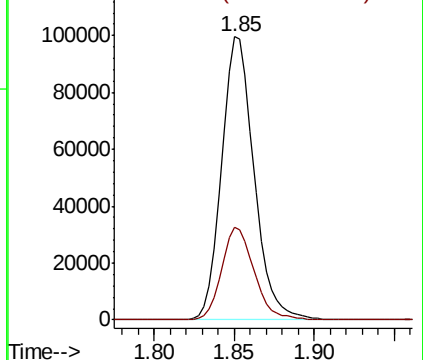
85 100

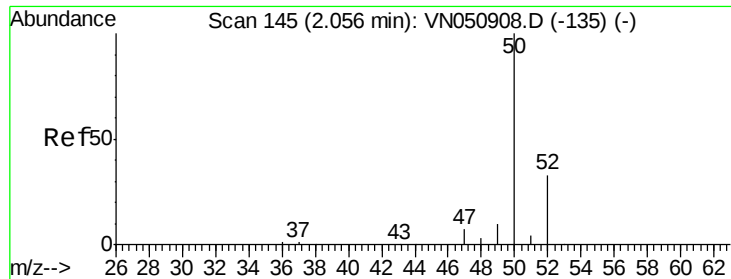
87 32.6 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN

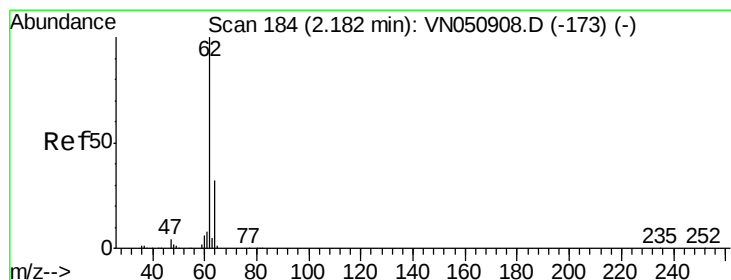
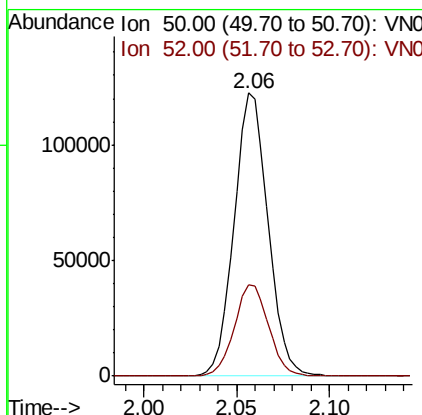
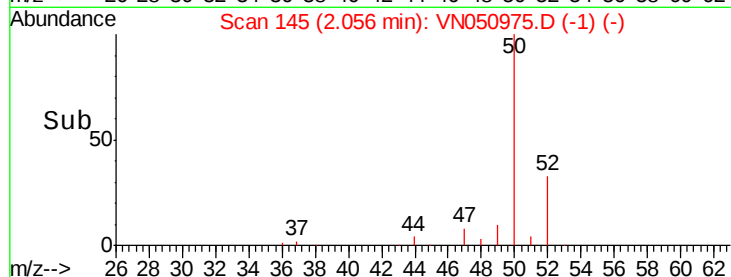
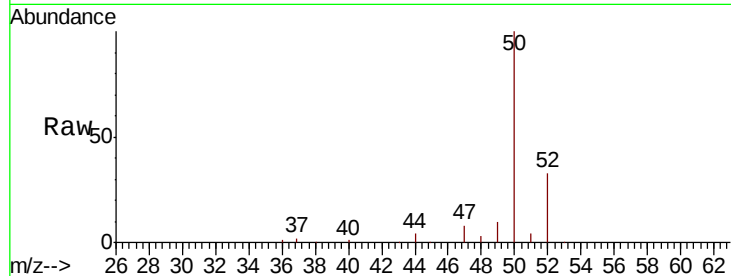




#3
 Chloromethane
 Concen: 18.50 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. -0.00 min
 Lab File: VN050975.D
 Acq: 30 Aug 2018 20:48

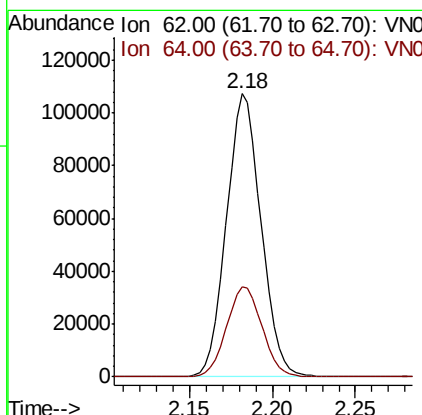
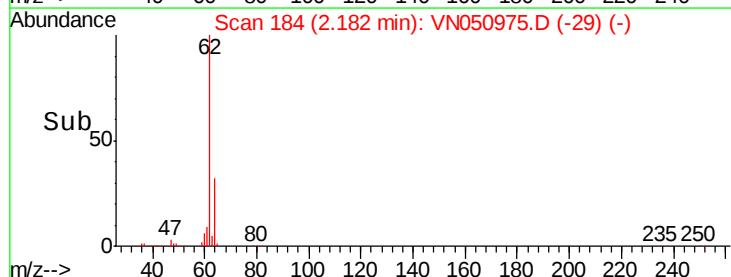
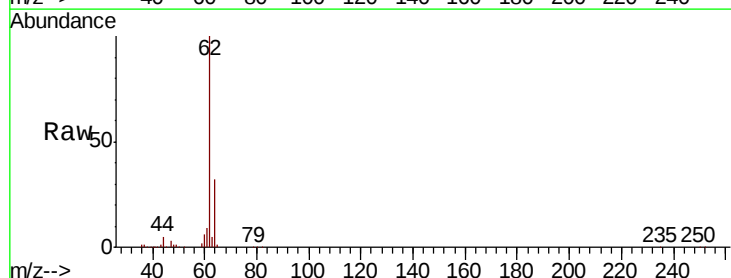
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBSD02

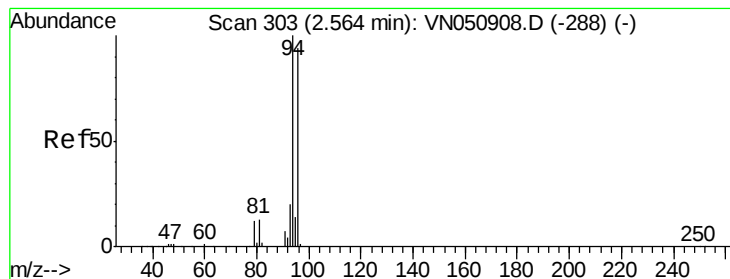
Tot Ion: 50 Resp: 155896
 Ion Ratio Lower Upper
 50 100
 52 32.5 26.2 39.4



#4
 Vinyl Chloride
 Concen: 18.68 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. -0.00 min
 Lab File: VN050975.D
 Acq: 30 Aug 2018 20:48

Tgt Ion: 62 Resp: 155512
 Ion Ratio Lower Upper
 62 100
 64 32.0 25.4 38.0





#5

Bromomethane

Concen: 18.16 ug/l

RT: 2.56 min Scan# 303

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

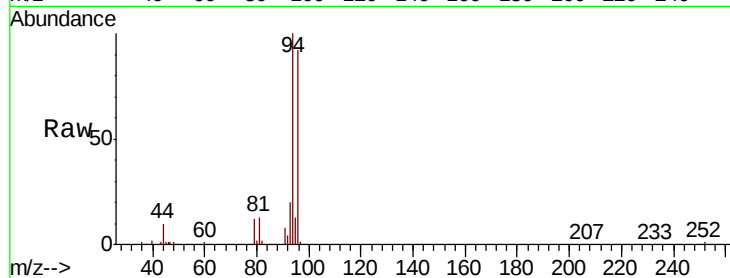
VN0830WBSD02

Tot Ion: 94 Resp: 92125

Ion Ratio Lower Upper

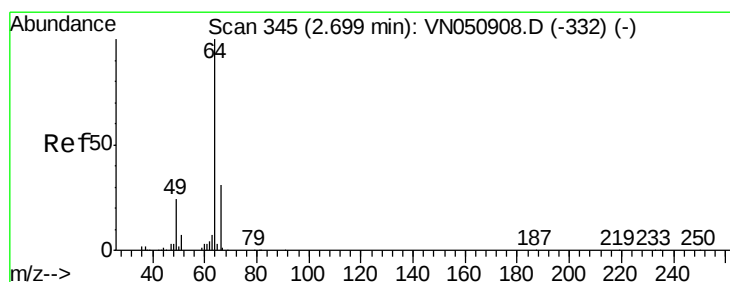
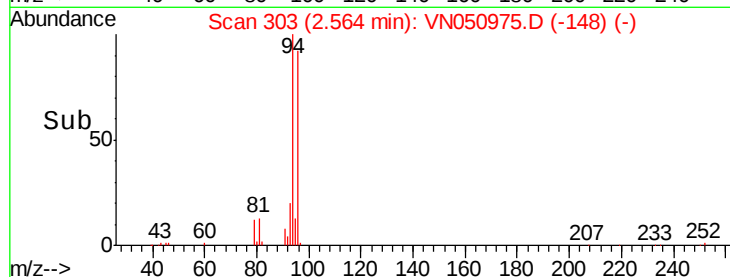
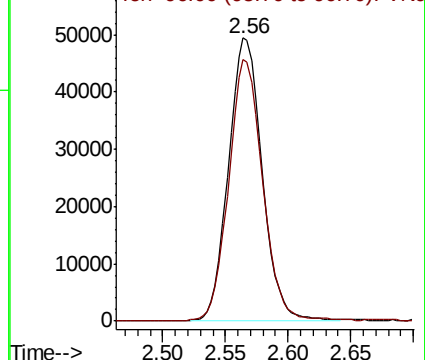
94 100

96 91.8 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: 18.68 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050975.D

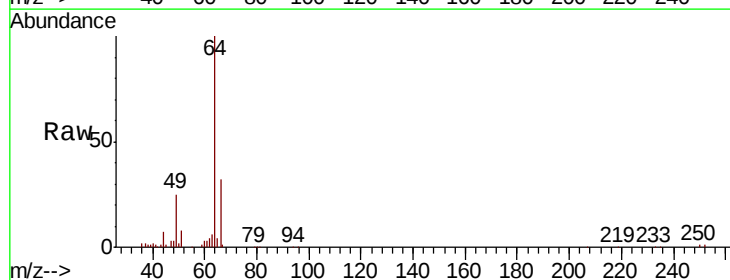
Acq: 30 Aug 2018 20:48

Tgt Ion: 64 Resp: 91697

Ion Ratio Lower Upper

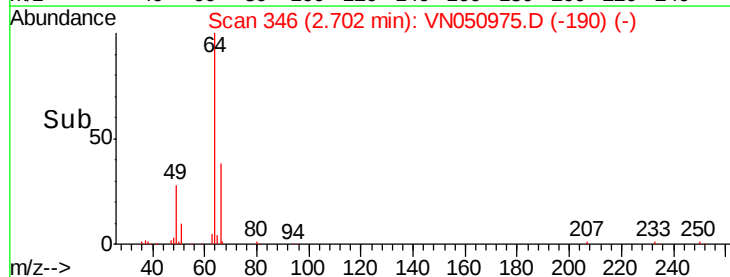
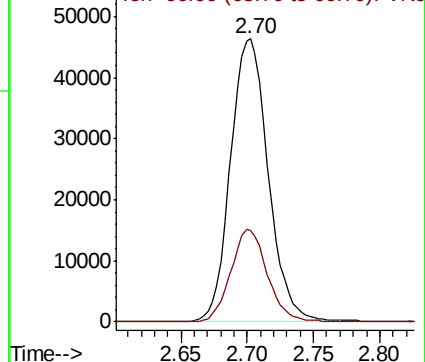
64 100

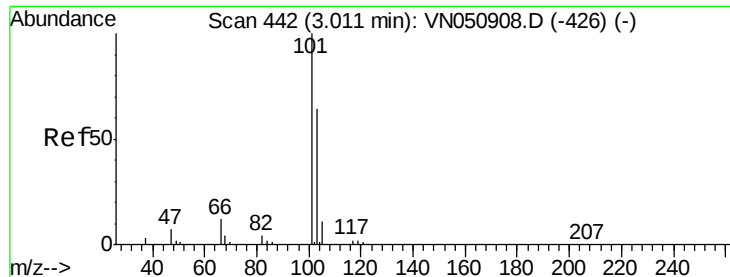
66 32.5 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



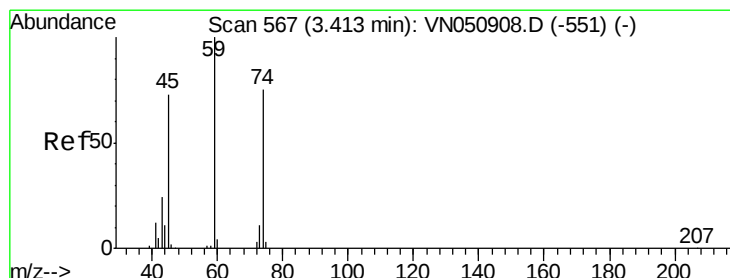
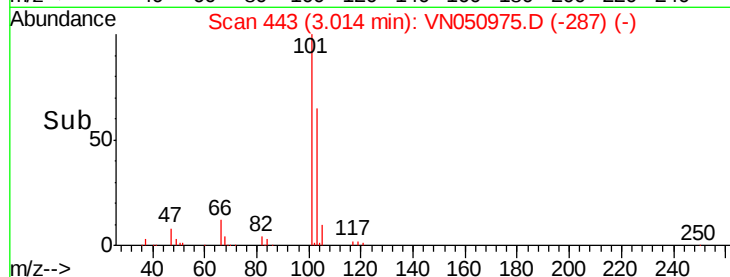
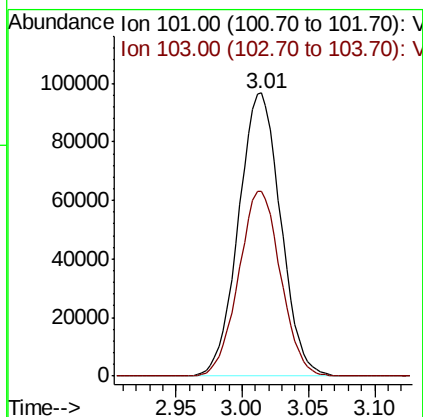
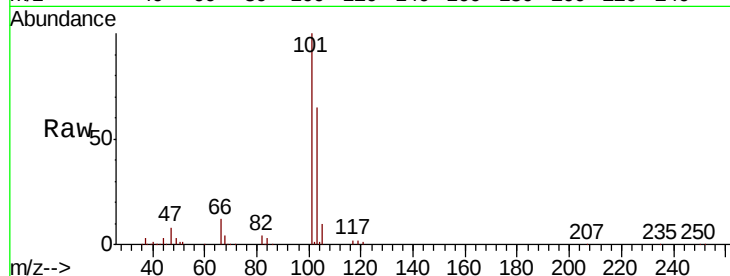


#7

Trichlorofluoromethane
 Concen: 19.39 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050975.D
 Acq: 30 Aug 2018 20:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBSD02

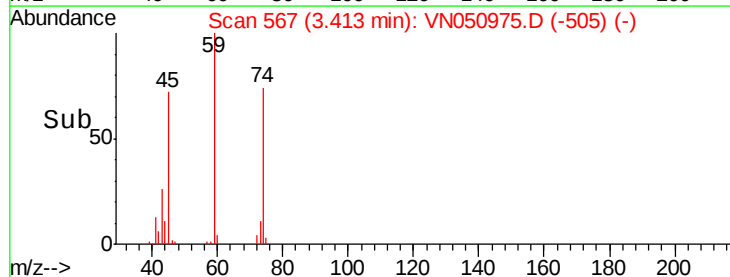
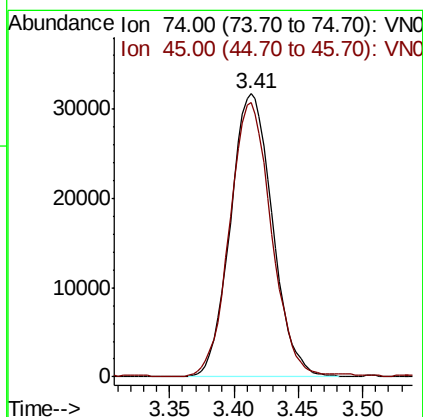
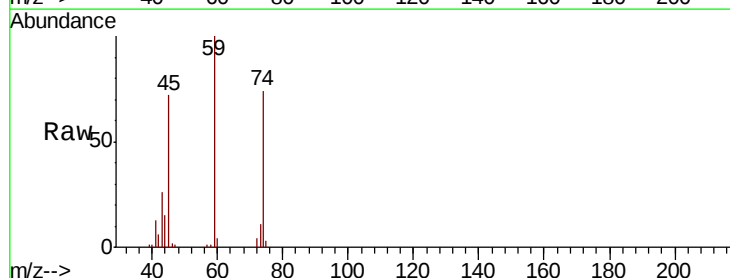
Tot Ion:101 Resp: 213932
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.3 76.9

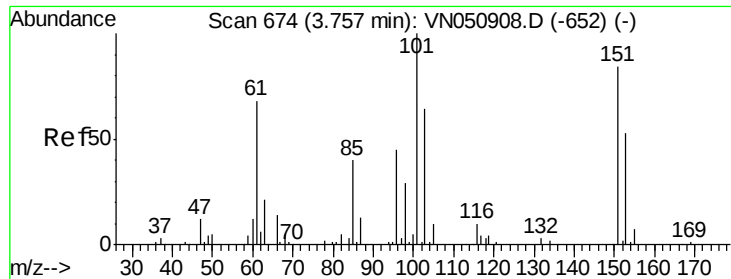


#8

Diethyl Ether
 Concen: 18.49 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050975.D
 Acq: 30 Aug 2018 20:48

Tgt Ion: 74 Resp: 71932
 Ion Ratio Lower Upper
 74 100
 45 96.2 19.7 177.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.29 ug/l

RT: 3.76 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD02

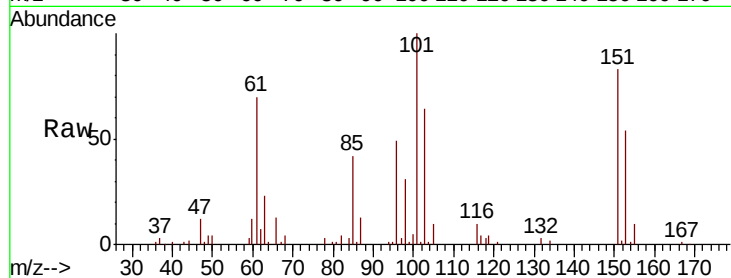
Tot Ion:101 Resp: 131814

Ion Ratio Lower Upper

101 100

85 42.4 0.0 83.6

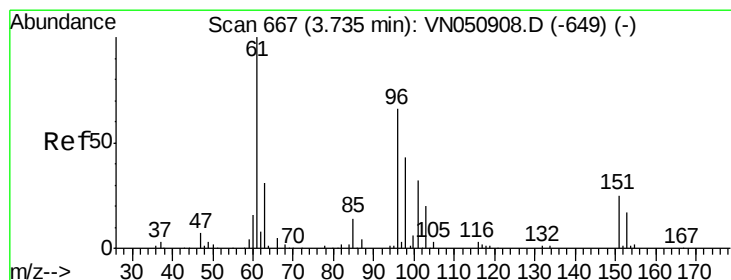
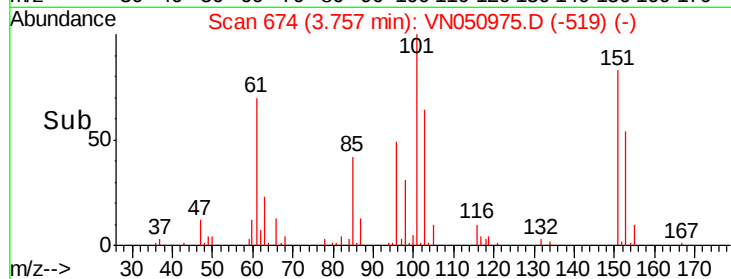
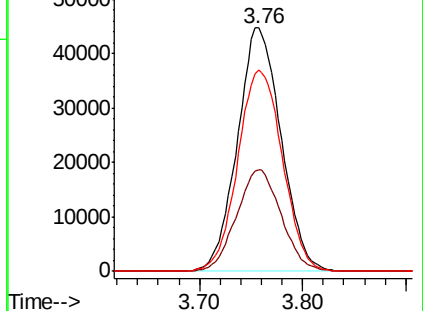
151 84.3 0.0 167.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 18.62 ug/l

RT: 3.74 min Scan# 668

Delta R.T. 0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

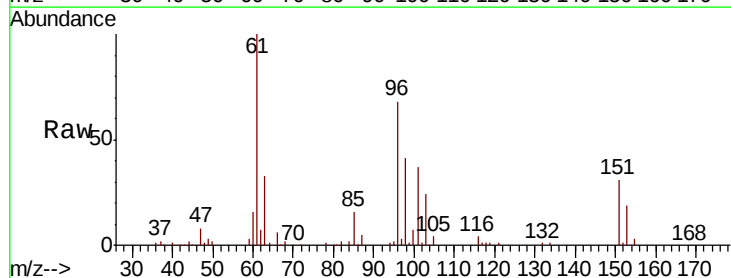
Tgt Ion: 96 Resp: 115595

Ion Ratio Lower Upper

96 100

61 147.0 121.8 182.8

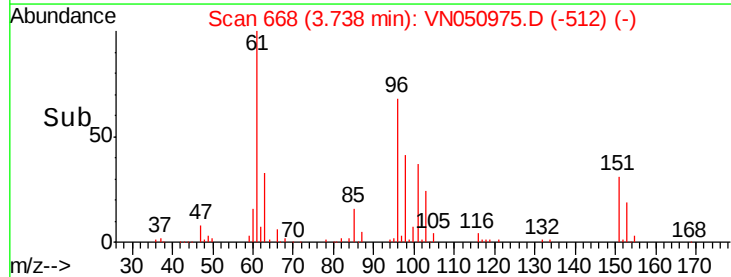
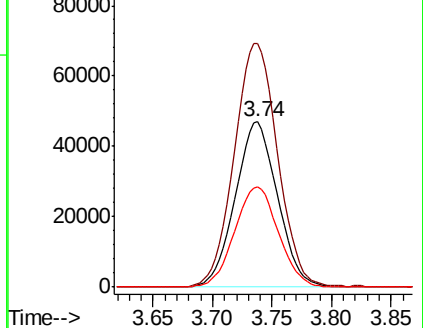
98 60.9 52.3 78.5

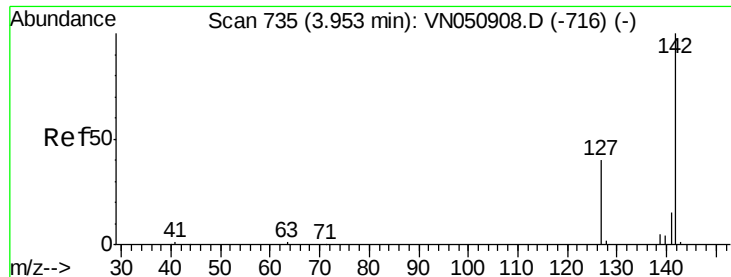


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

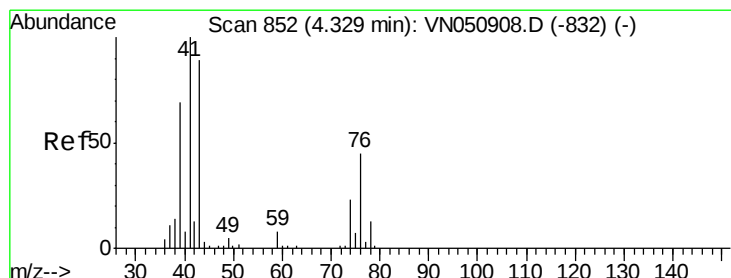
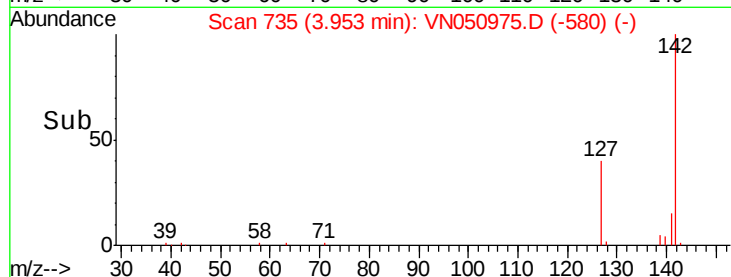
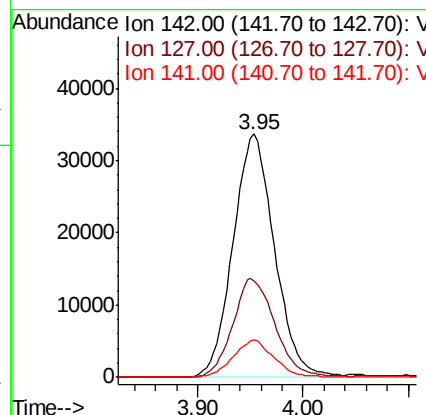
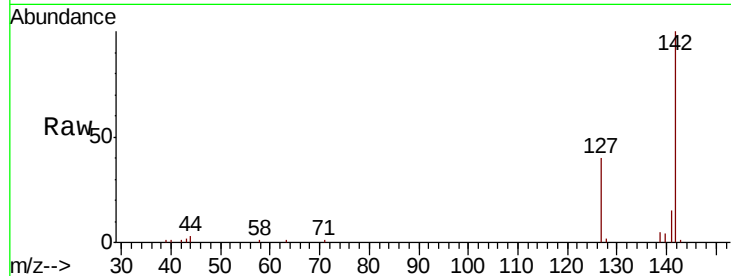




#11
Methvl Iodide
Concen: 15.88 ug/l
RT: 3.95 min Scan# 735
Delta R.T. -0.00 min
Lab File: VN050975.D
Acq: 30 Aug 2018 20:48

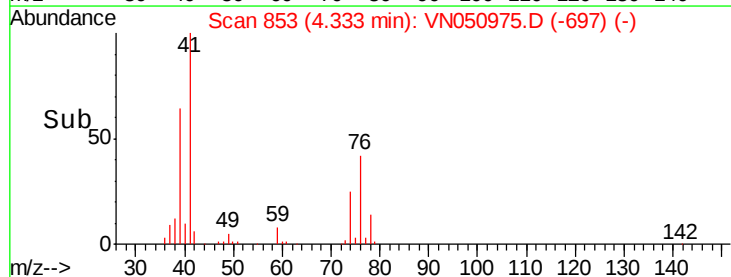
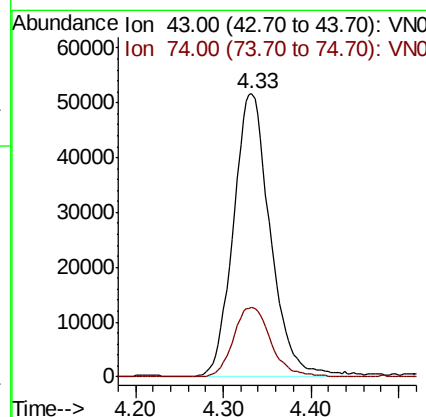
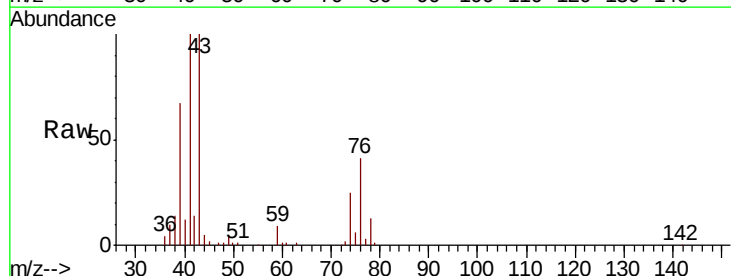
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD02

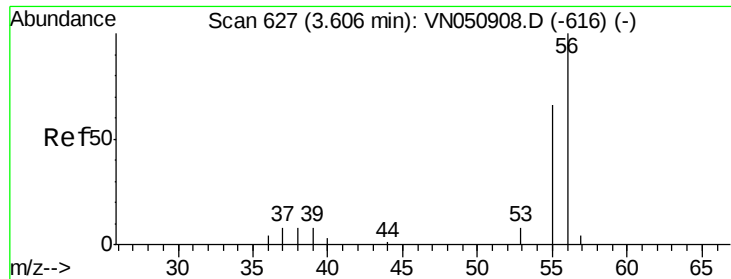
Tot Ion:142 Resp: 91946
Ion Ratio Lower Upper
142 100
127 39.5 19.7 59.1
141 15.4 7.3 22.0



#12
Methyl Acetate
Concen: 21.06 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050975.D
Acq: 30 Aug 2018 20:48

Tgt Ion: 43 Resp: 151136
Ion Ratio Lower Upper
43 100
74 24.5 20.6 31.0





#13

Acrolein

Concen: 55.37 ug/l

RT: 3.62 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

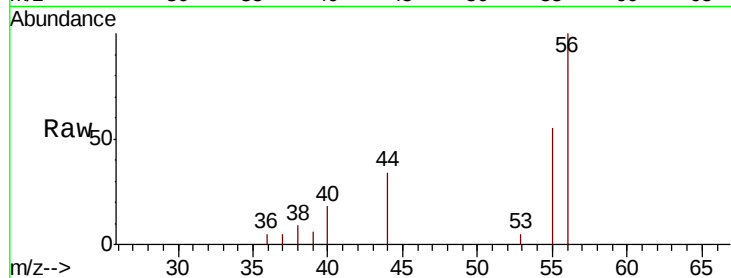
VN0830WBSD02

Tot Ion: 56 Resp: 8801

Ion Ratio Lower Upper

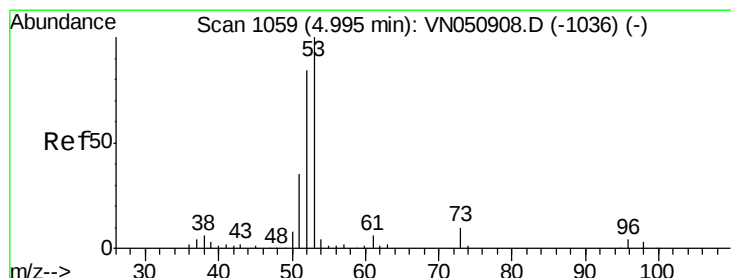
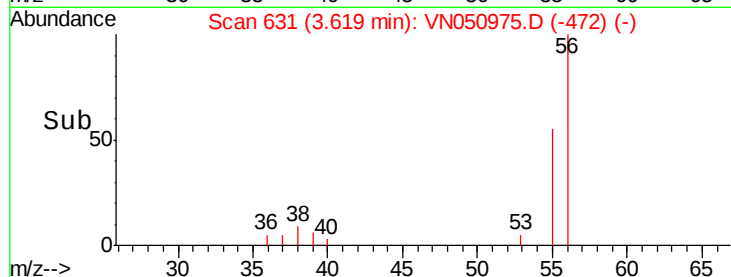
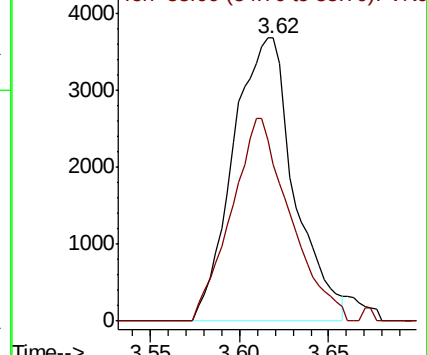
56 100

55 68.9 59.1 88.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 92.82 ug/l

RT: 4.99 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

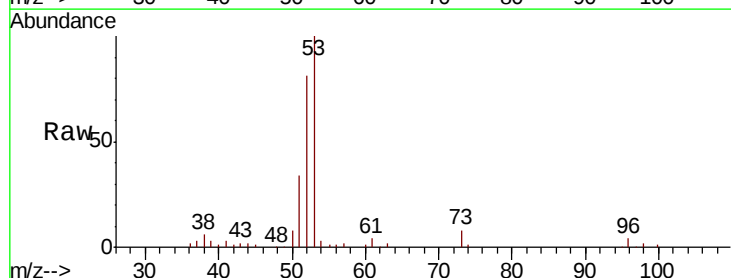
Tgt Ion: 53 Resp: 225281

Ion Ratio Lower Upper

53 100

52 80.5 42.2 126.6

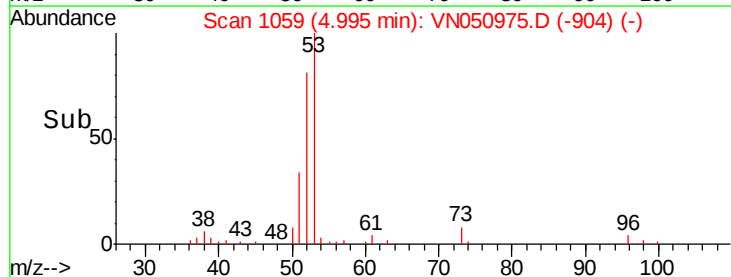
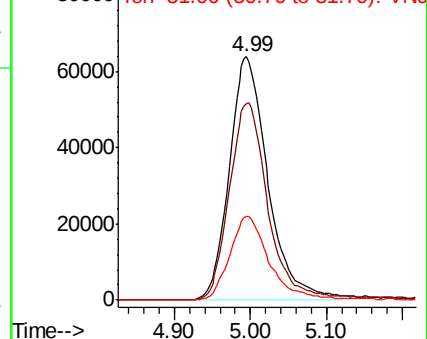
51 35.1 17.7 53.1

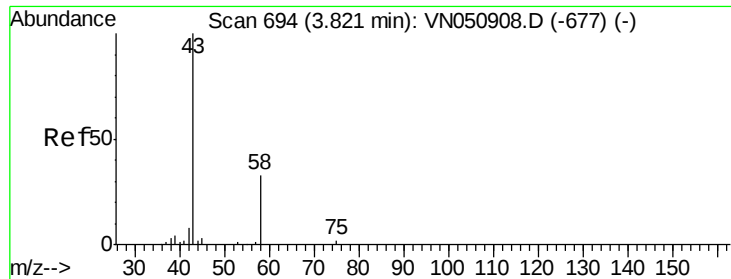


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 89.23 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

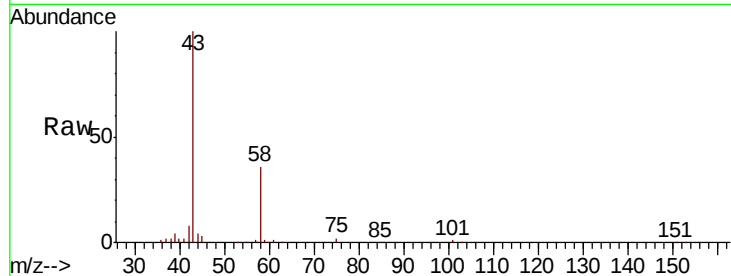
VN0830WBSD02

Tot Ion: 58 Resp: 55416

Ion Ratio Lower Upper

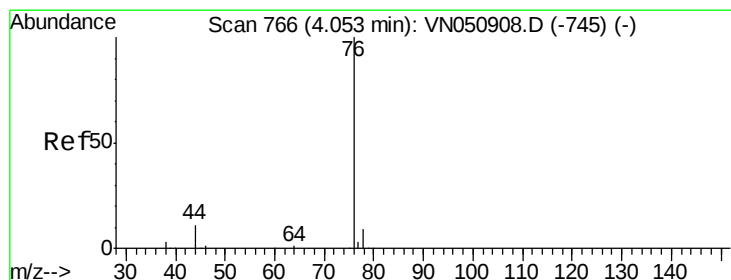
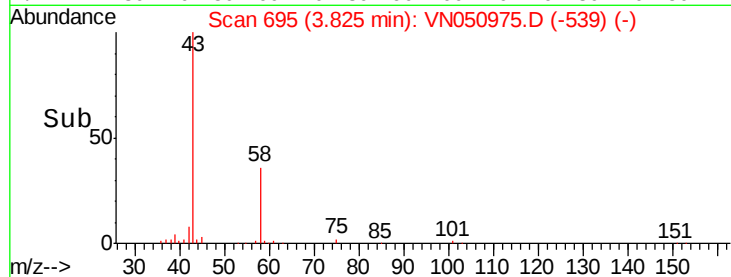
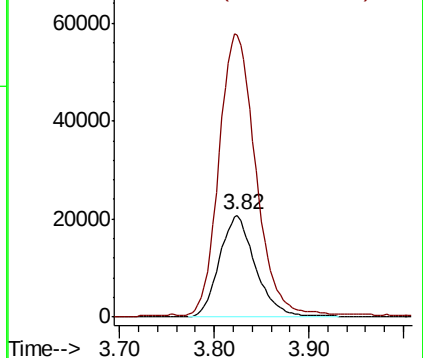
58 100

43 273.3 239.4 359.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 17.95 ug/l

RT: 4.05 min Scan# 766

Delta R.T. -0.00 min

Lab File: VN050975.D

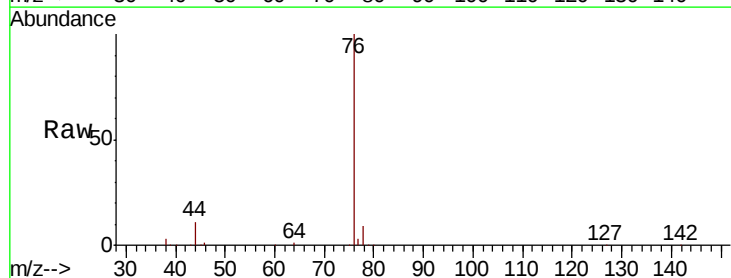
Acq: 30 Aug 2018 20:48

Tgt Ion: 76 Resp: 335111

Ion Ratio Lower Upper

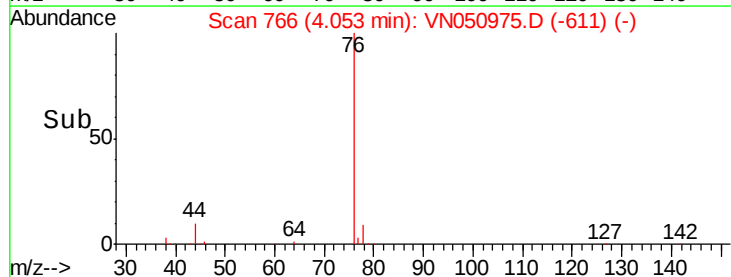
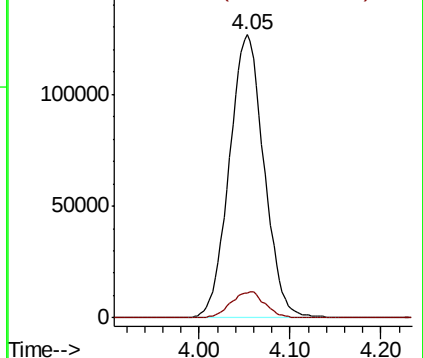
76 100

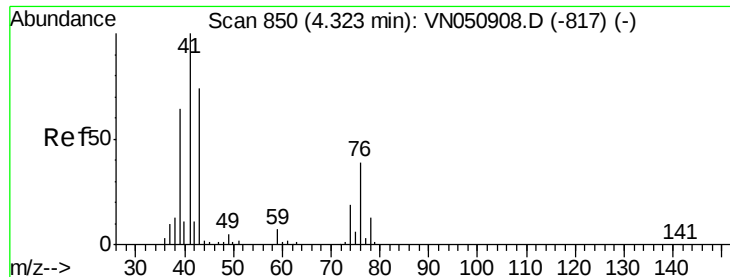
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 17.52 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD02

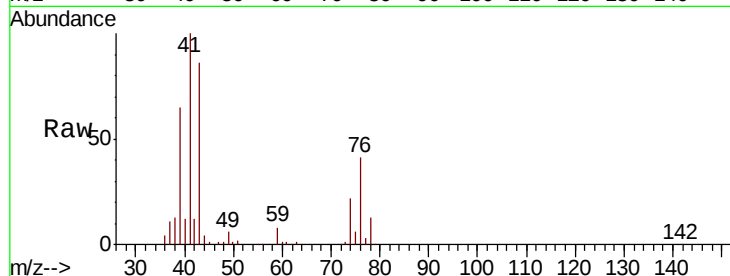
Tot Ion: 41 Resp: 171156

Ion Ratio Lower Upper

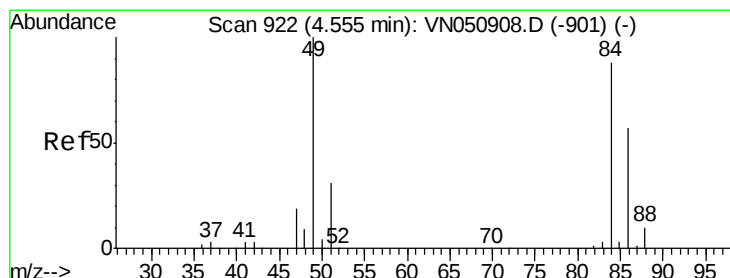
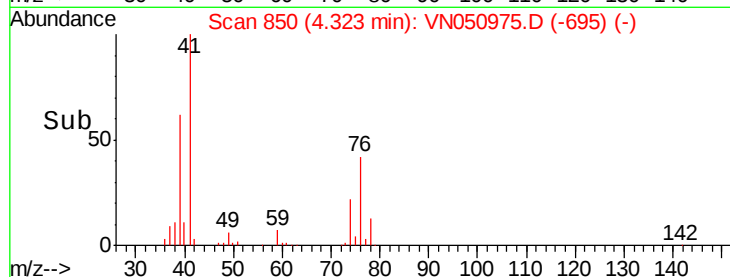
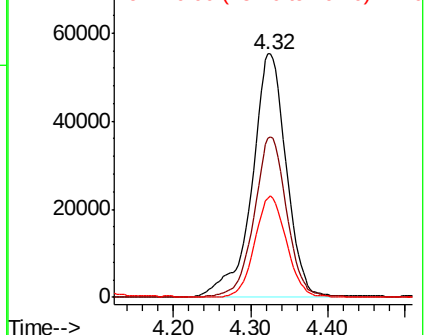
41 100

39 65.1 32.2 96.6

76 40.6 19.6 58.7



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 76.00 (75.70 to 76.70): VN0



#18

Methylene Chloride

Concen: 18.84 ug/l

RT: 4.55 min Scan# 922

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Tgt Ion: 84 Resp: 137268

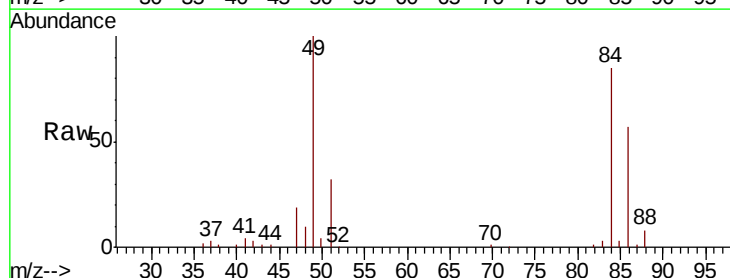
Ion Ratio Lower Upper

84 100

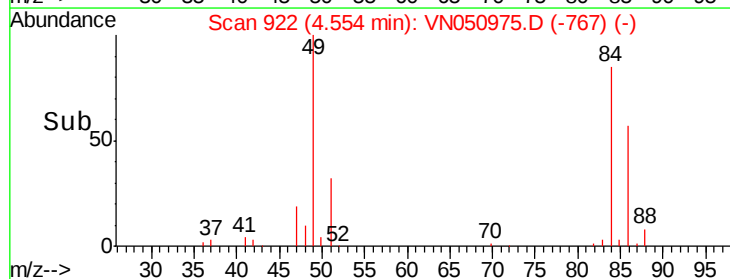
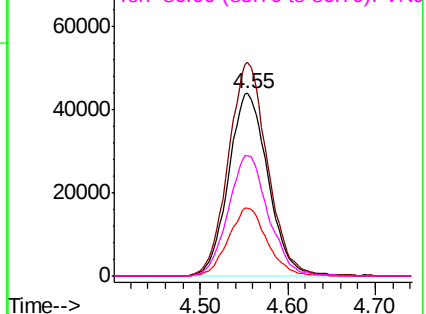
49 116.7 90.6 135.8

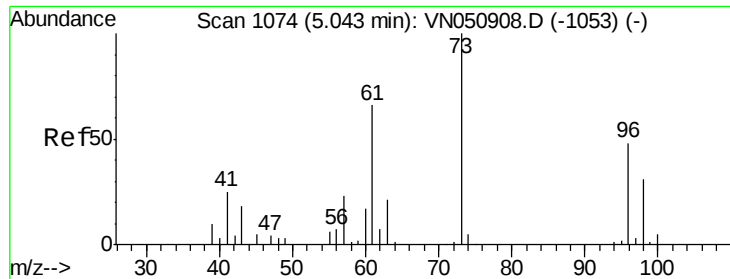
51 37.5 28.4 42.6

86 66.2 51.6 77.4



Abundance Ion 84.00 (83.70 to 84.70): VN0
Ion 49.00 (48.70 to 49.70): VN0
Ion 51.00 (50.70 to 51.70): VN0
Ion 86.00 (85.70 to 86.70): VN0

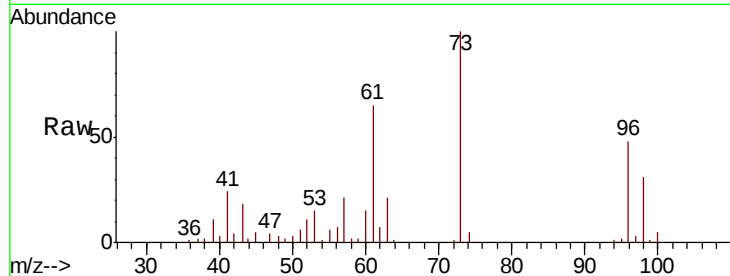




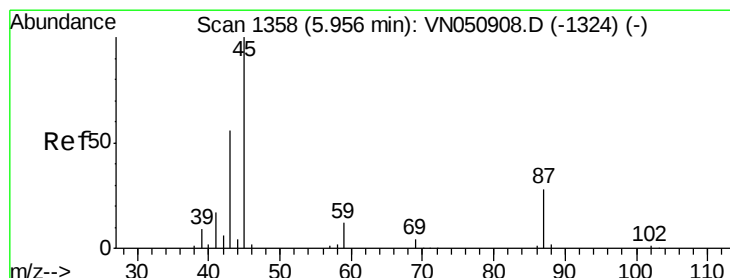
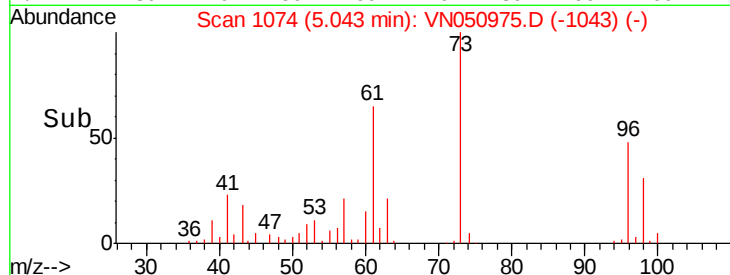
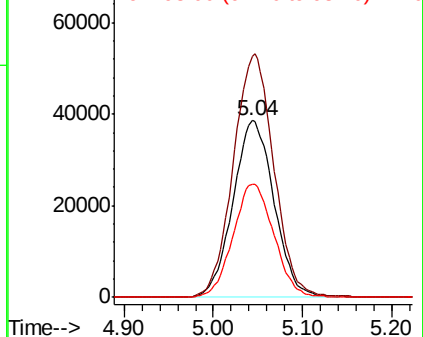
#19
trans-1,2-Dichloroethene
Concen: 18.66 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VN050975.D
Acq: 30 Aug 2018 20:48

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD02

Tot Ion: 96 Resp: 123386
Ion Ratio Lower Upper
96 100
61 136.3 109.5 164.3
98 64.0 51.9 77.9

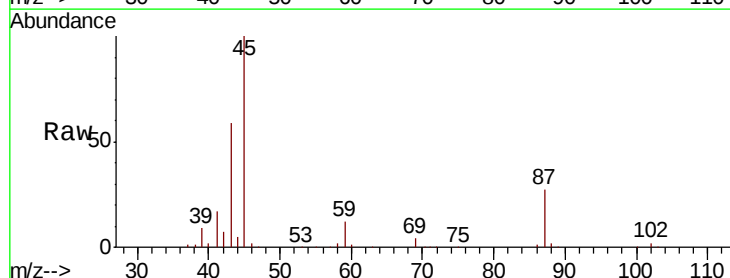


Abundance Ion 96.00 (95.70 to 96.70): VNC
Ion 61.00 (60.70 to 61.70): VNC
Ion 98.00 (97.70 to 98.70): VNC

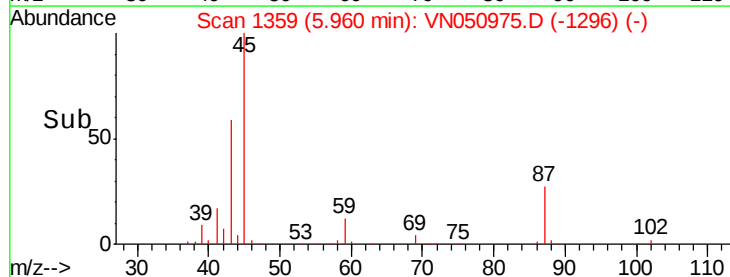
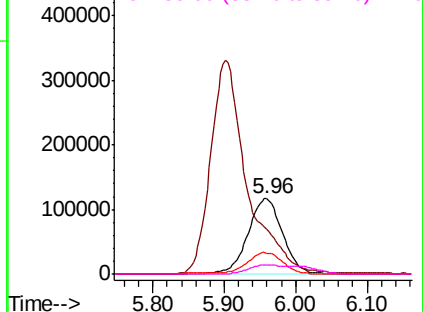


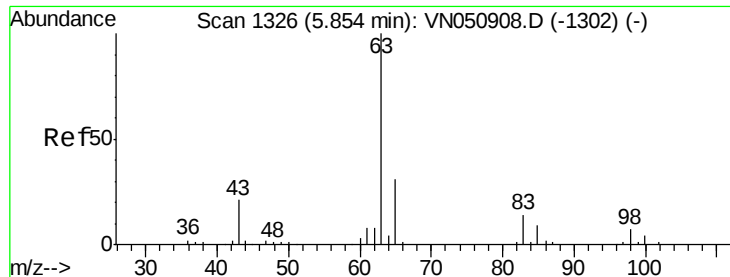
#20
Diisopropyl ether
Concen: 19.38 ug/l
RT: 5.96 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VN050975.D
Acq: 30 Aug 2018 20:48

Tgt Ion: 45 Resp: 392968
Ion Ratio Lower Upper
45 100
43 57.5 47.0 70.6
87 27.3 22.8 34.2
59 12.1 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#21

1,1-Dichloroethane

Concen: 19.25 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD02

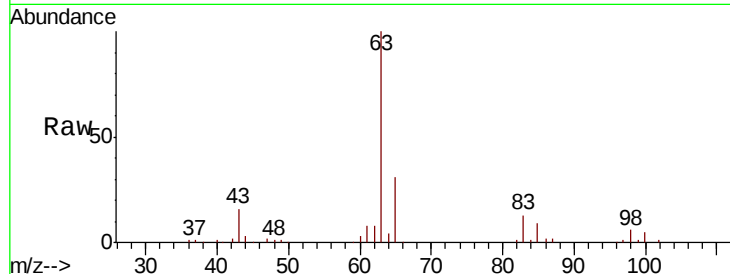
Tot Ion: 63 Resp: 239289

Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.9

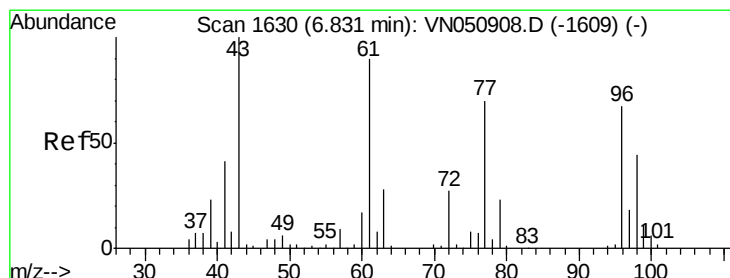
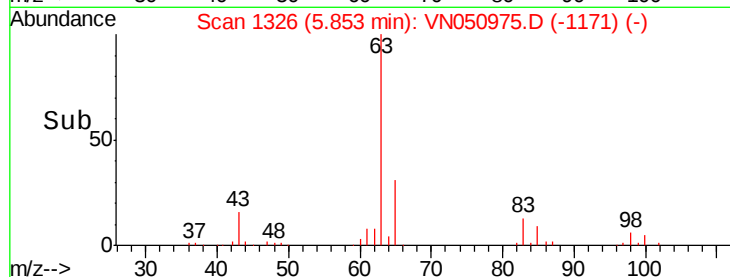
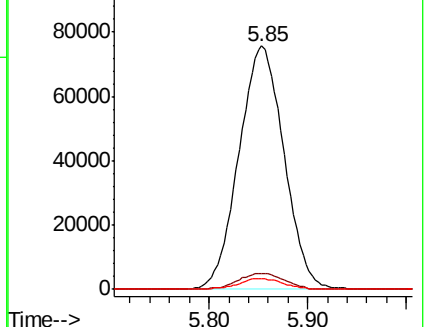
100 4.6 2.0 6.0



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0



#22

cis-1,2-Dichloroethene

Concen: 18.68 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

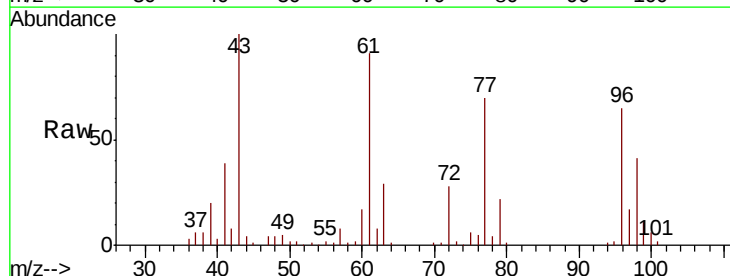
Tgt Ion: 96 Resp: 139594

Ion Ratio Lower Upper

96 100

61 139.7 110.0 165.0

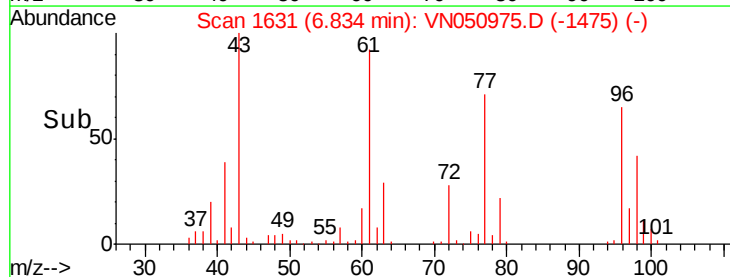
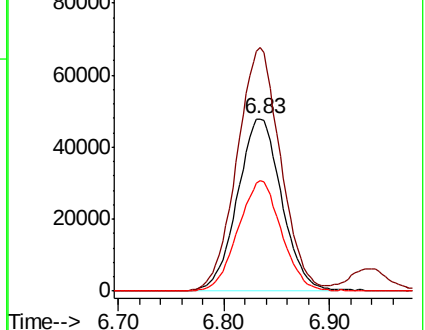
98 62.8 51.7 77.5

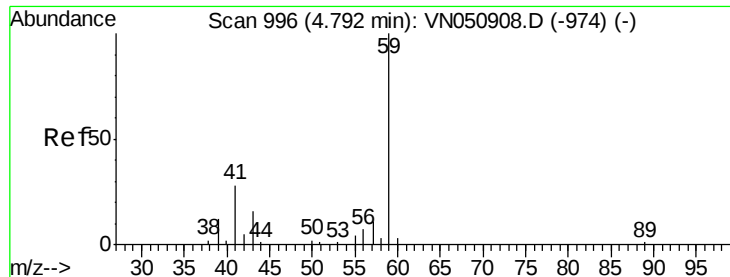


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#23

tert-Butyl Alcohol

Concen: 88.39 ug/l

RT: 4.79 min Scan# 996

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

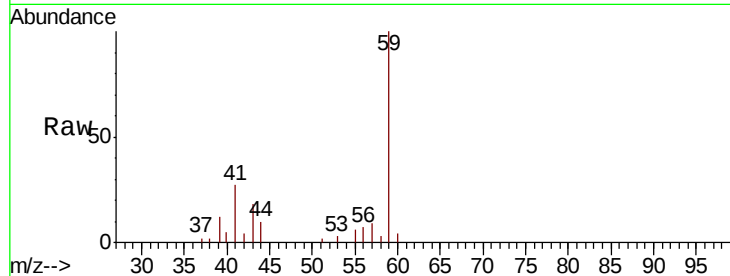
VN0830WBSD02

Tot Ion: 59 Resp: 45620

Ion Ratio Lower Upper

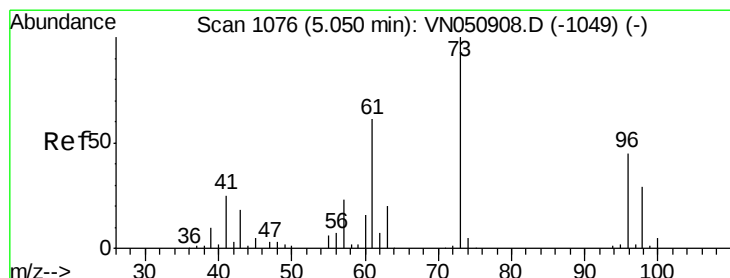
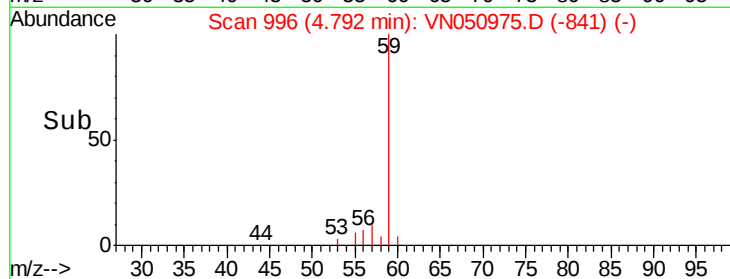
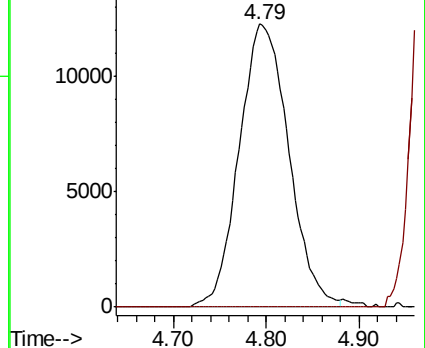
59 100

52 0.0 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 18.52 ug/l

RT: 5.05 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VN050975.D

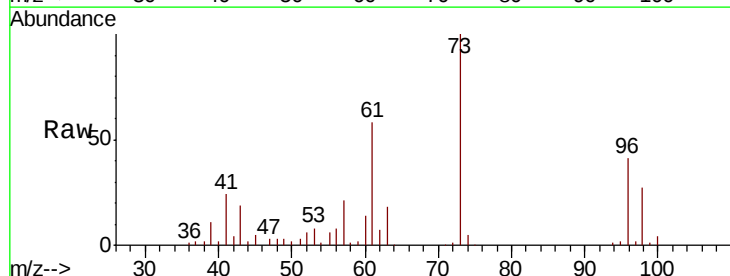
Acq: 30 Aug 2018 20:48

Tgt Ion: 73 Resp: 314420

Ion Ratio Lower Upper

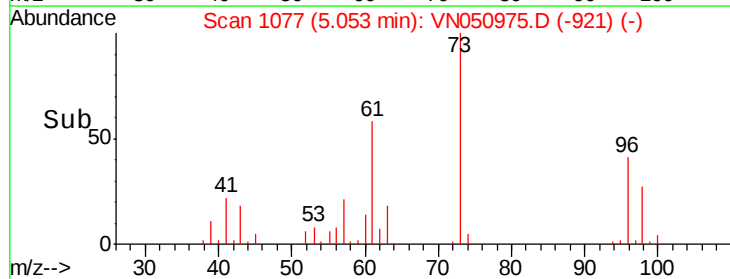
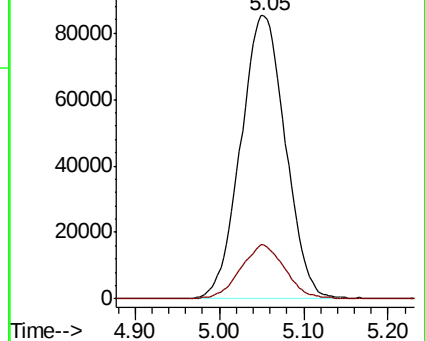
73 100

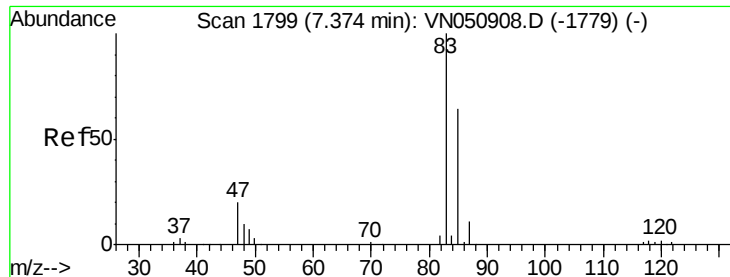
43 18.6 14.4 21.6



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

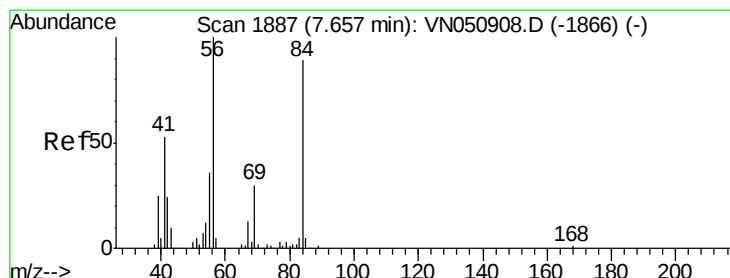
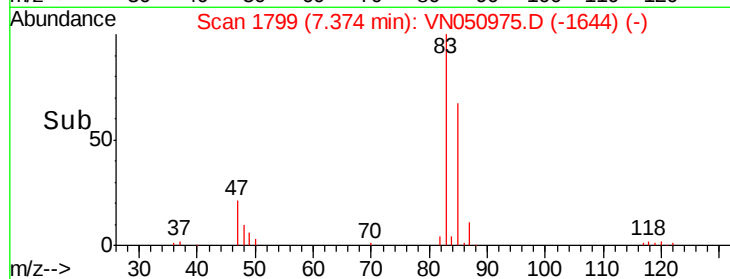
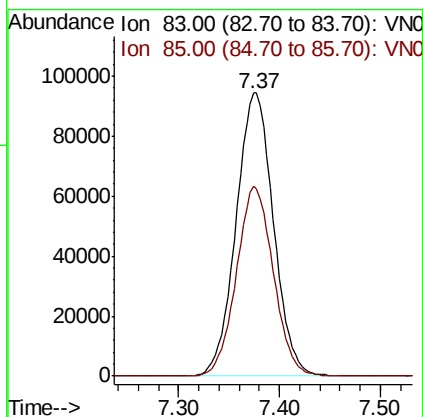
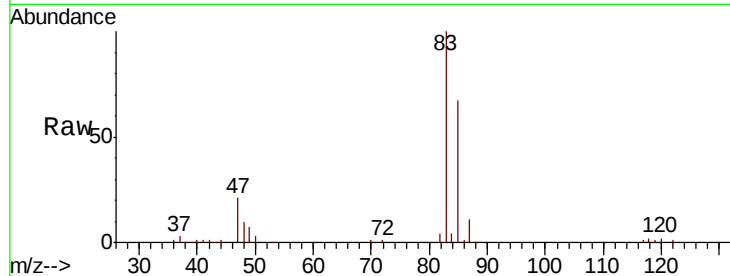




#25
Chloroform
Concen: 19.57 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050975.D
Acq: 30 Aug 2018 20:48

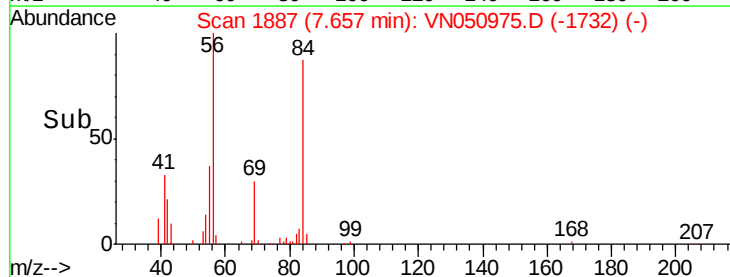
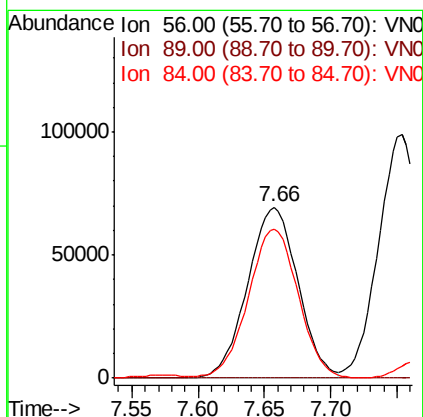
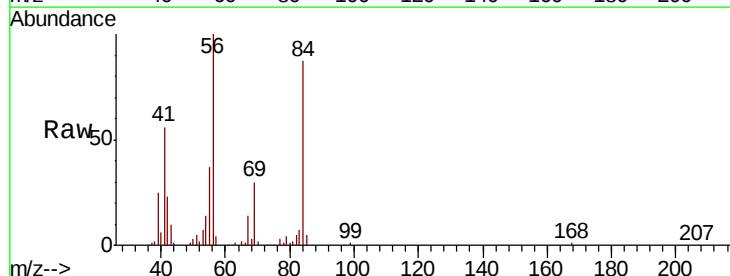
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD02

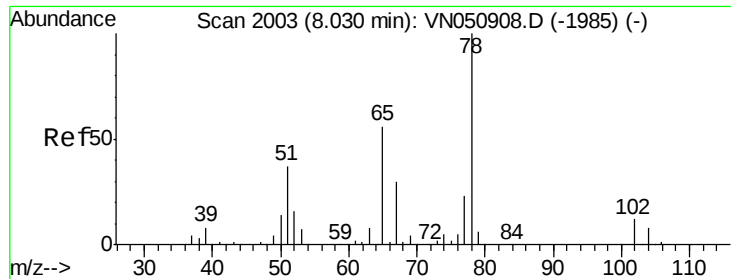
Tot Ion: 83 Resp: 242853
Ion Ratio Lower Upper
83 100
85 67.0 51.4 77.0



#26
Cyclohexane
Concen: 17.79 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. -0.00 min
Lab File: VN050975.D
Acq: 30 Aug 2018 20:48

Tgt Ion: 56 Resp: 183170
Ion Ratio Lower Upper
56 100
89 0.0 0.4 0.6#
84 86.0 70.4 105.6





#27

1,2-Dichloroethane-d4

Concen: 30.38 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

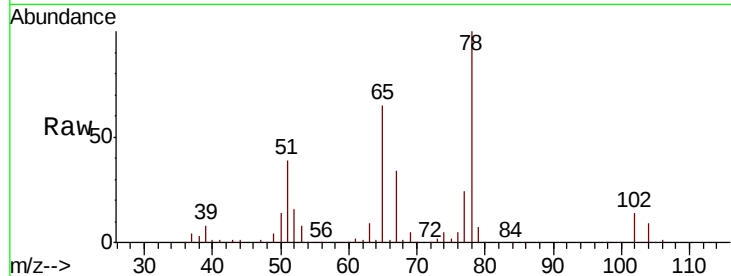
VN0830WBSD02

Tot Ion: 65 Resp: 222738

Ion Ratio Lower Upper

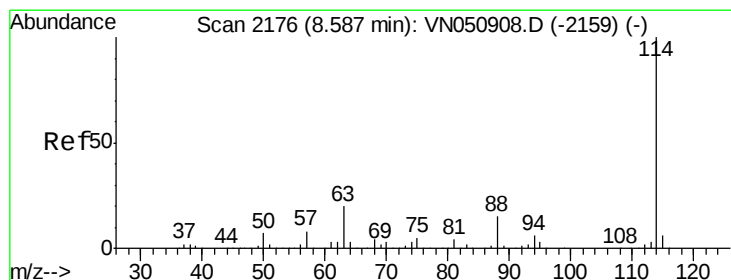
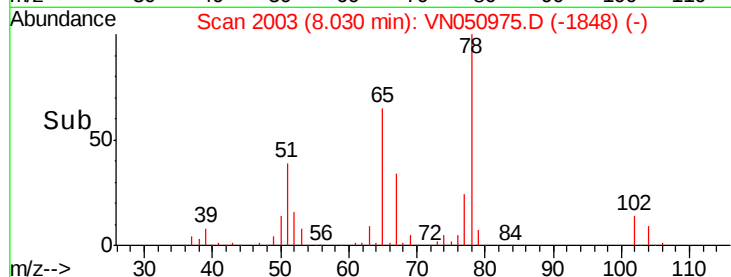
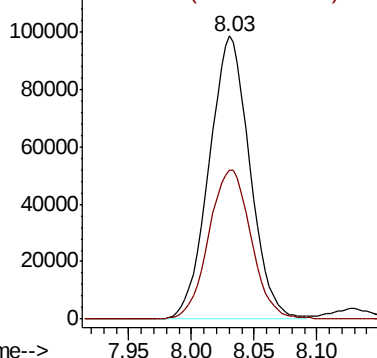
65 100

67 54.9 43.7 65.5



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

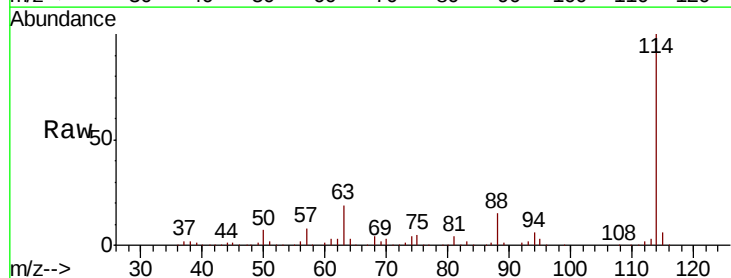
Tgt Ion: 114 Resp: 615222

Ion Ratio Lower Upper

114 100

63 19.1 15.6 23.4

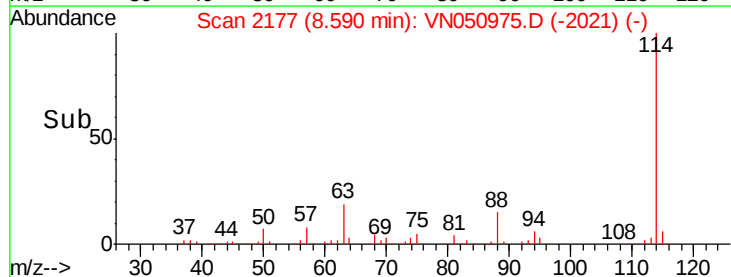
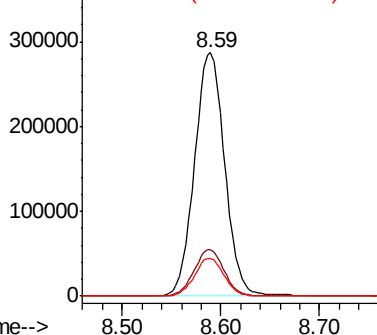
88 15.2 12.2 18.4

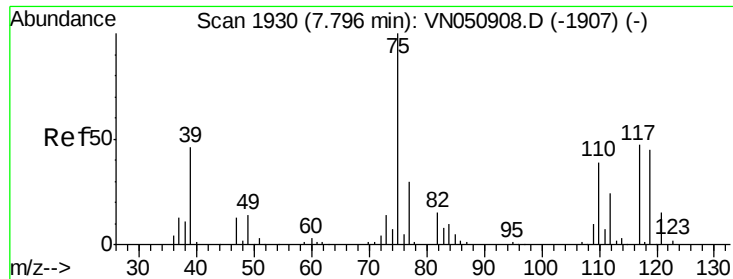


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

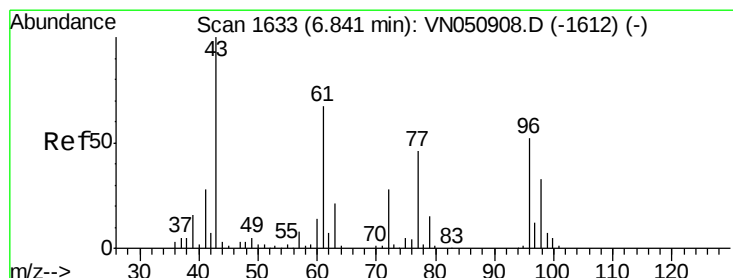
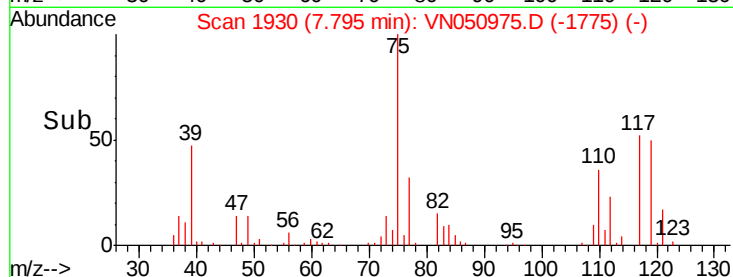
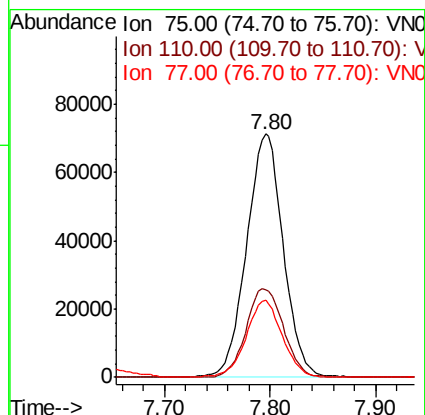
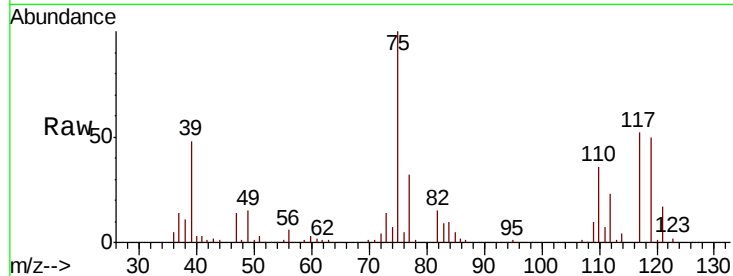




#29
 1,1-Dichloropropene
 Concen: 18.52 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VN050975.D
 Acq: 30 Aug 2018 20:48

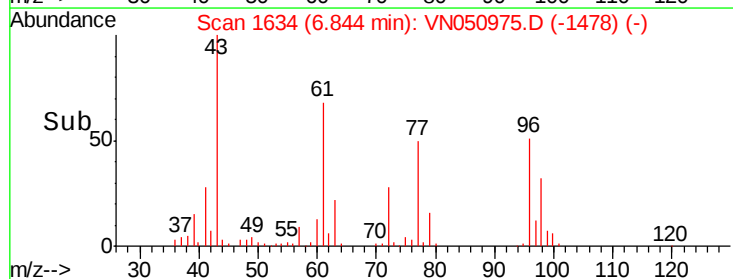
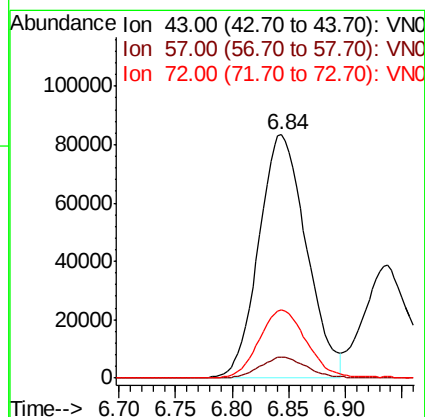
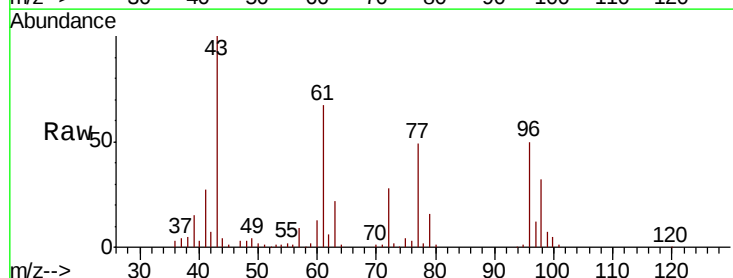
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBSD02

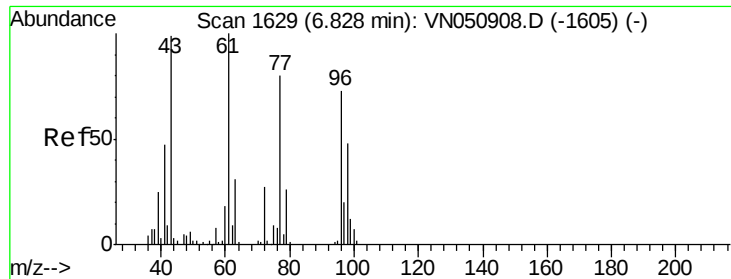
Tot Ion: 75 Resp: 170608
 Ion Ratio Lower Upper
 75 100
 110 37.6 0.0 75.0
 77 31.6 0.0 60.6



#30
 2-Butanone
 Concen: 85.35 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: VN050975.D
 Acq: 30 Aug 2018 20:48

Tgt Ion: 43 Resp: 241843
 Ion Ratio Lower Upper
 43 100
 57 8.5 6.9 10.3
 72 28.1 22.8 34.2

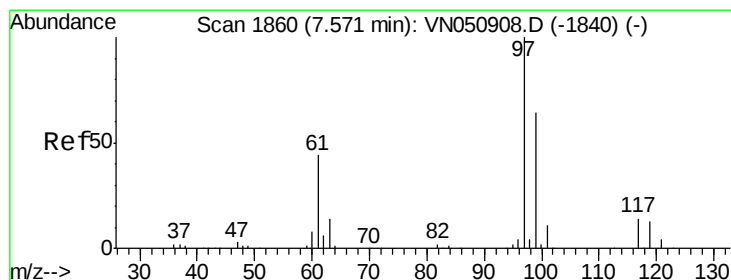
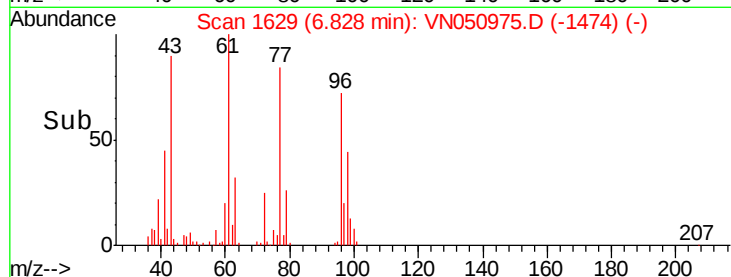
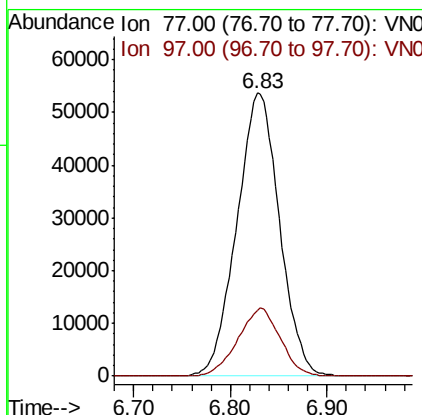
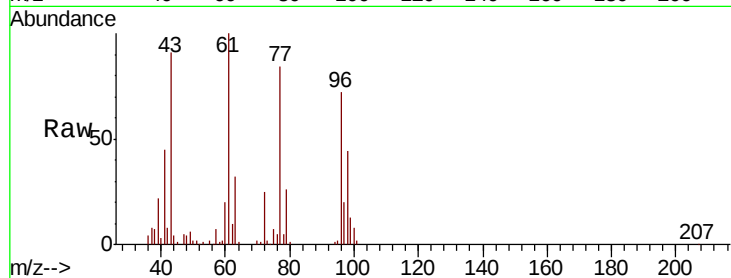




#31
 2,2-Dichloropropane
 Concen: 18.37 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050975.D
 Acq: 30 Aug 2018 20:48

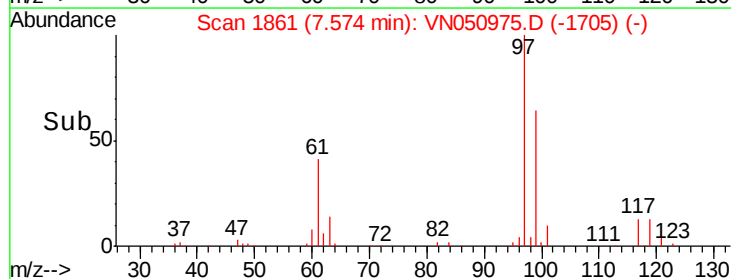
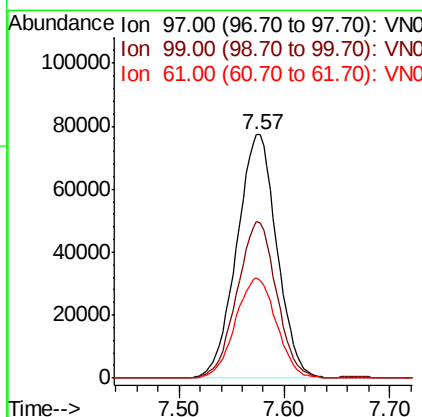
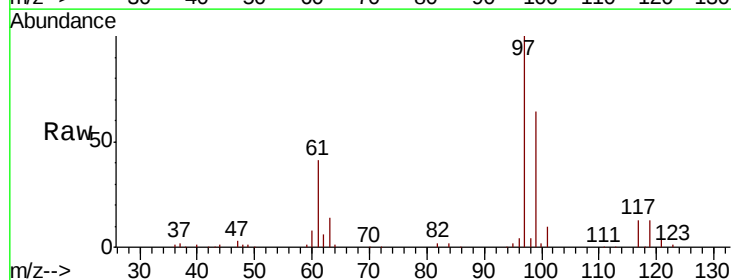
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBSD02

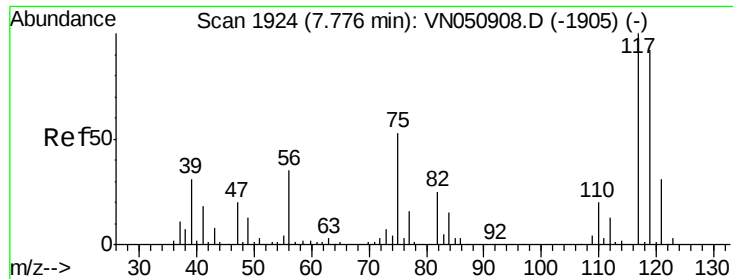
Tot Ion: 77 Resp: 164633
 Ion Ratio Lower Upper
 77 100
 97 23.8 20.2 30.2



#32
 1,1,1-Trichloroethane
 Concen: 19.53 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050975.D
 Acq: 30 Aug 2018 20:48

Tgt Ion: 97 Resp: 203992
 Ion Ratio Lower Upper
 97 100
 99 63.4 52.0 78.0
 61 42.0 35.0 52.6

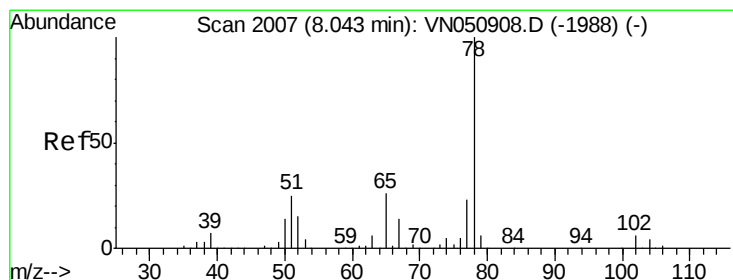
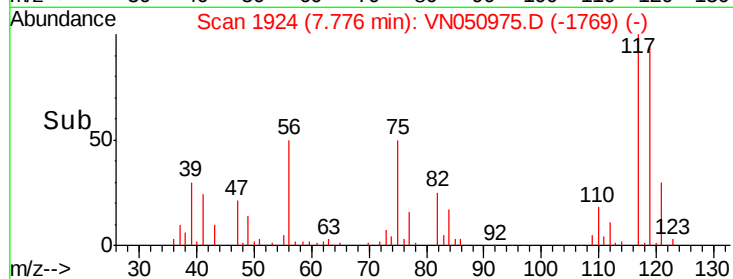
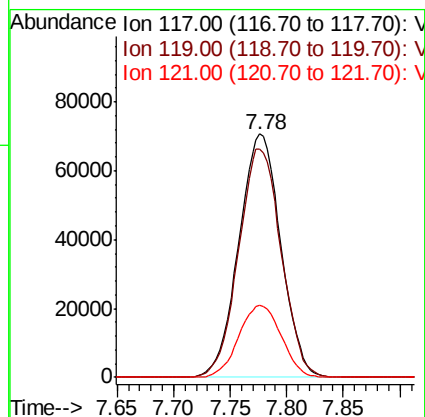
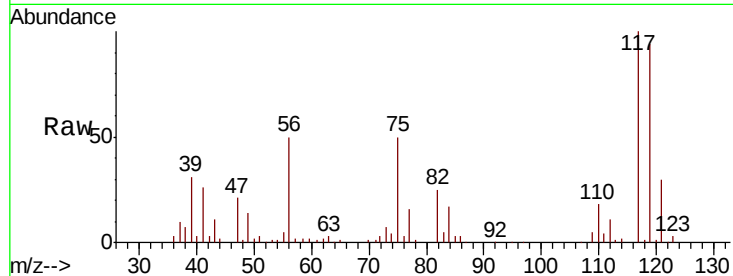




#33
Carbon Tetrachloride
Concen: 19.32 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050975.D
Acq: 30 Aug 2018 20:48

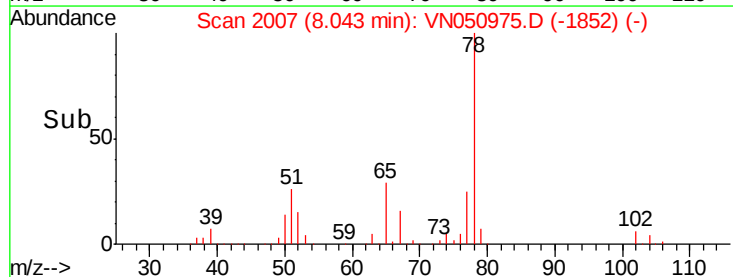
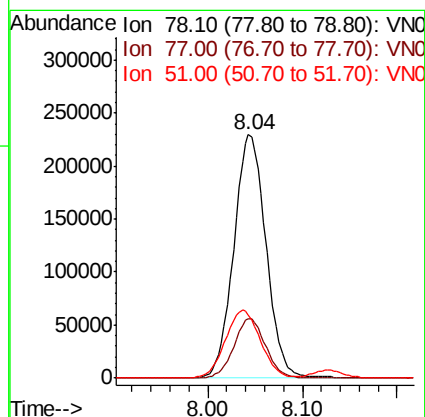
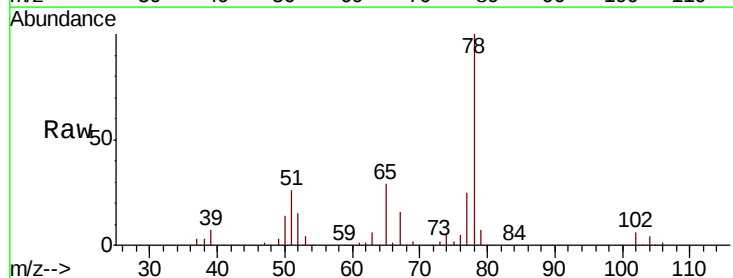
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD02

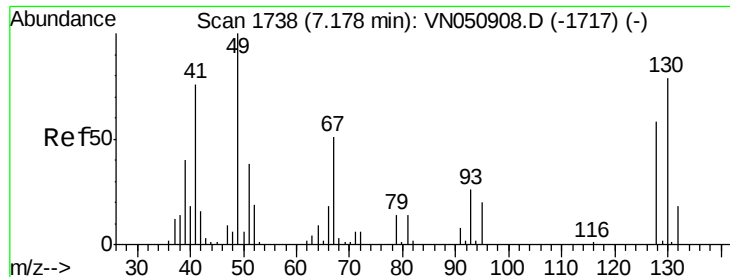
Tot Ion:117 Resp: 181744
Ion Ratio Lower Upper
117 100
119 94.0 73.5 110.3
121 29.5 24.6 37.0



#34
Benzene
Concen: 19.05 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050975.D
Acq: 30 Aug 2018 20:48

Tgt Ion: 78 Resp: 542790
Ion Ratio Lower Upper
78 100
77 24.6 18.6 28.0
51 26.0 20.0 30.0

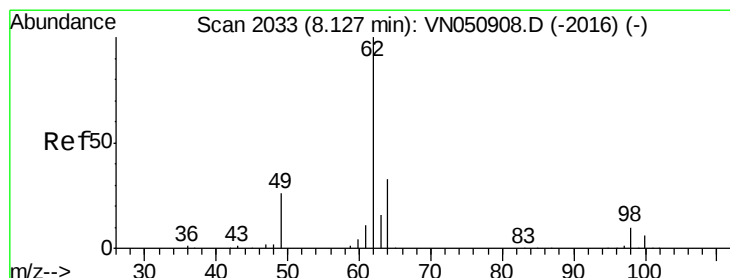
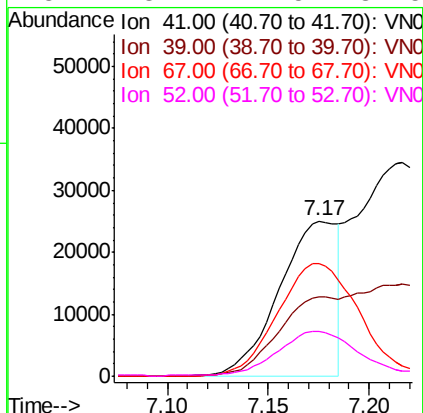
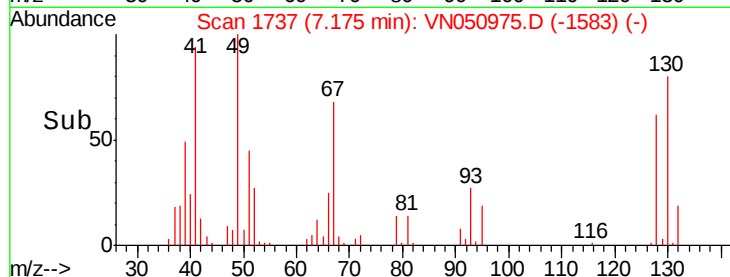
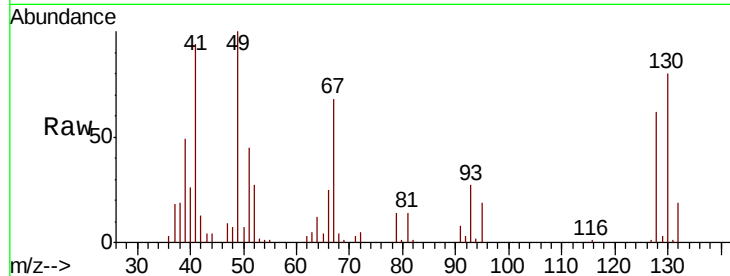




#35
Methacrylonitrile
Concen: 16.22 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN050975.D
Acq: 30 Aug 2018 20:48

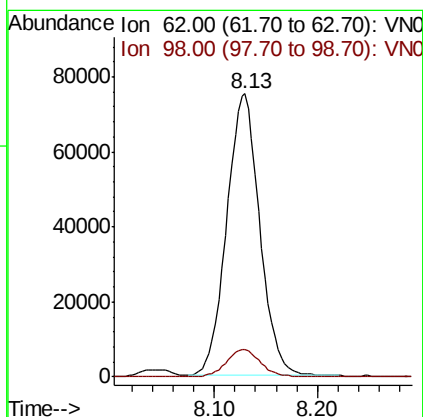
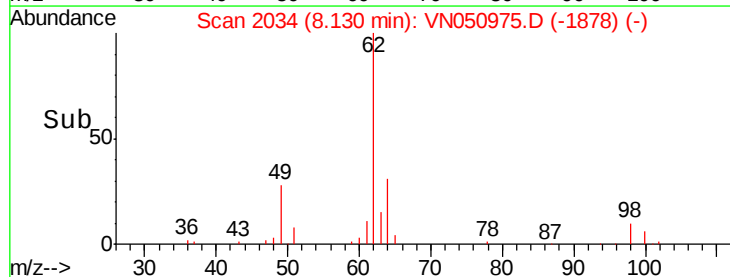
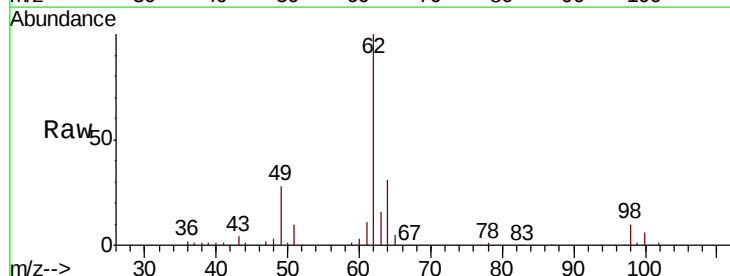
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD02

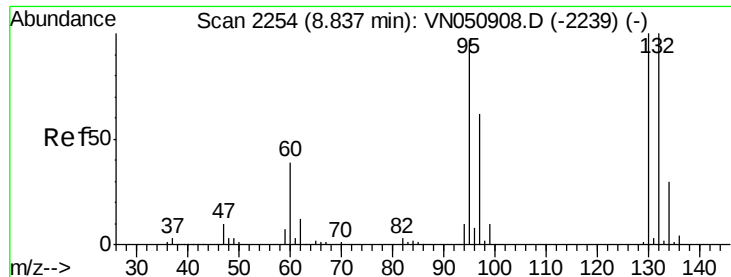
Tot Ion: 41 Resp: 50351
Ion Ratio Lower Upper
41 100
39 51.5 26.2 78.5
67 72.6 33.9 101.6
52 28.1 12.5 37.5



#36
1,2-Dichloroethane
Concen: 19.42 ug/l
RT: 8.13 min Scan# 2034
Delta R.T. 0.00 min
Lab File: VN050975.D
Acq: 30 Aug 2018 20:48

Tgt Ion: 62 Resp: 167305
Ion Ratio Lower Upper
62 100
98 10.0 8.0 12.0





#37

Trichloroethene

Concen: 19.12 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

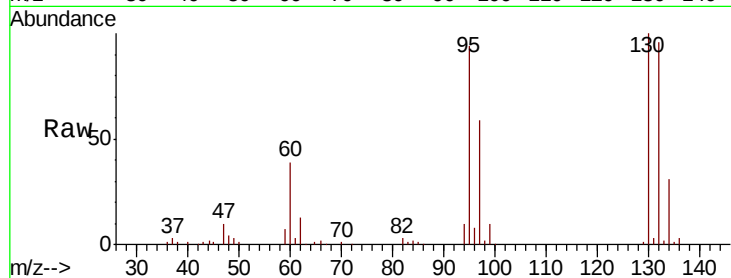
VN0830WBSD02

Tot Ion:130 Resp: 142426

Ion Ratio Lower Upper

130 100

95 94.4 77.4 116.0



Abundance Ion 129.90 (129.60 to 130.60): VN050908.D (-2239) (-)

Ion 94.90 (94.60 to 95.60): VN050908.D (-2239) (-)

8.84

60000

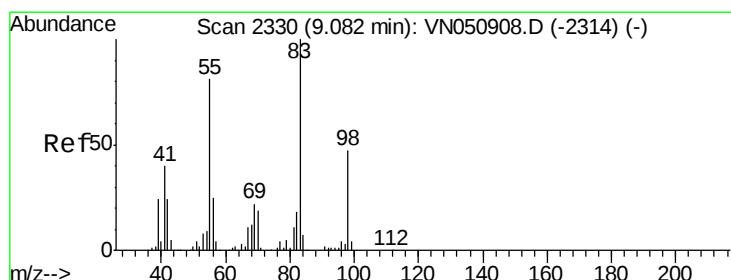
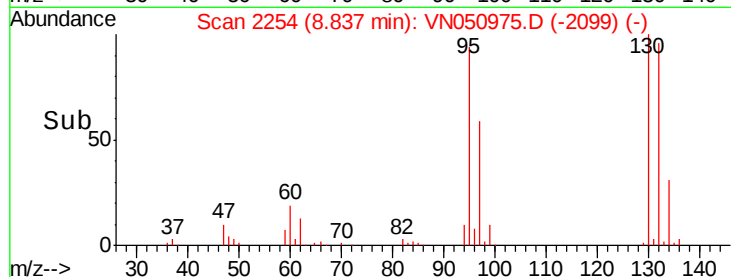
40000

20000

0

8.80 8.90

Time-->



#38

Methylcyclohexane

Concen: 17.55 ug/l

RT: 9.08 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

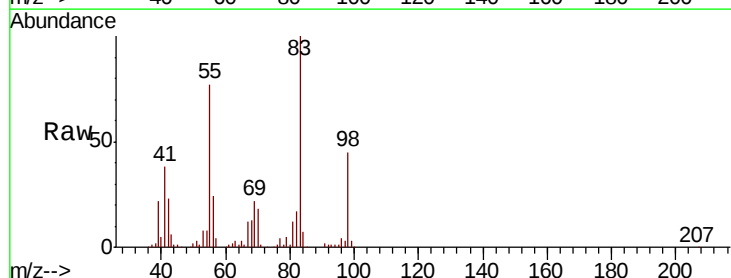
Tgt Ion: 83 Resp: 173642

Ion Ratio Lower Upper

83 100

55 78.2 38.9 116.7

98 46.1 22.9 68.7



Abundance Ion 83.00 (82.70 to 83.70): VN050908.D (-2314) (-)

Ion 55.00 (54.70 to 55.70): VN050908.D (-2314) (-)

Ion 98.00 (97.70 to 98.70): VN050908.D (-2314) (-)

9.08

100000

80000

60000

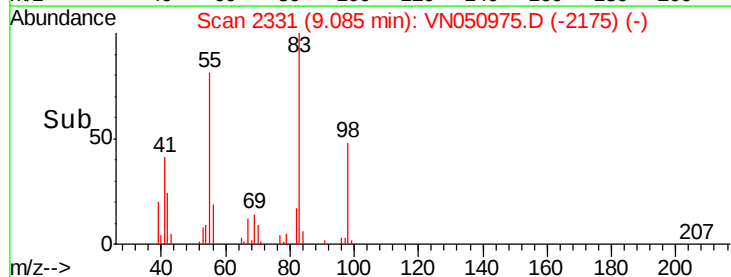
40000

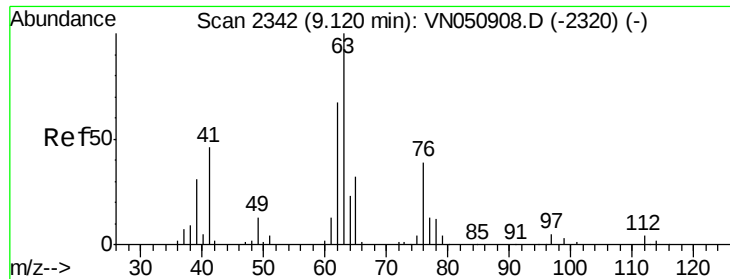
20000

0

9.00 9.05 9.10 9.15

Time-->

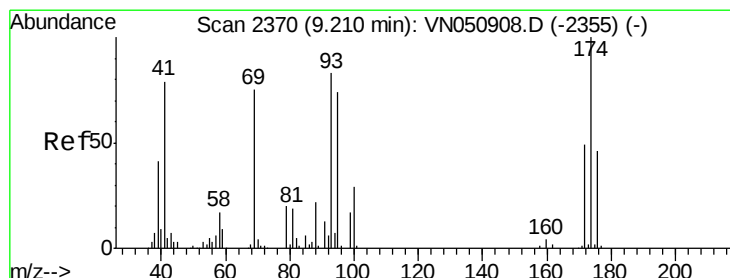
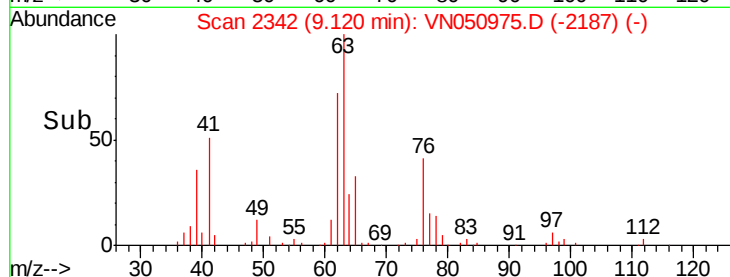
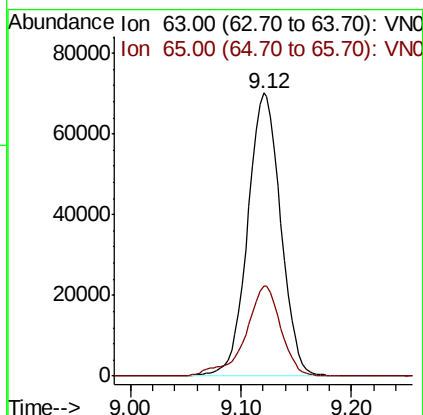
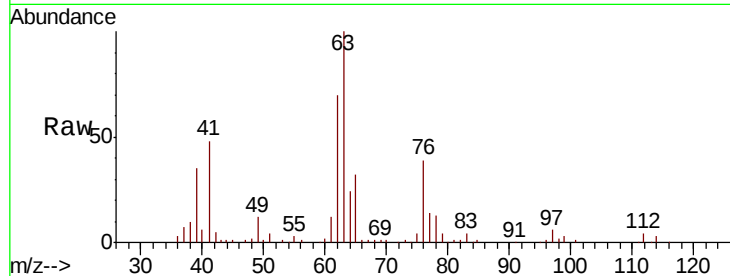




#39
 1,2-Dichloropropane
 Concen: 19.53 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050975.D
 Acq: 30 Aug 2018 20:48

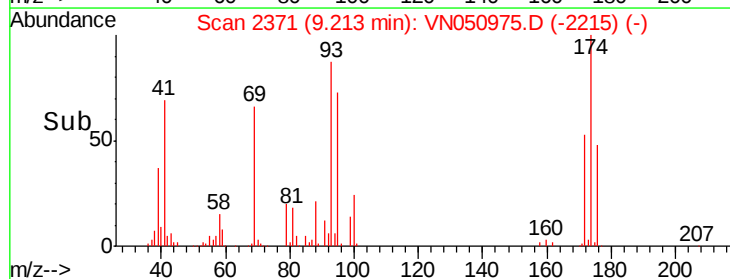
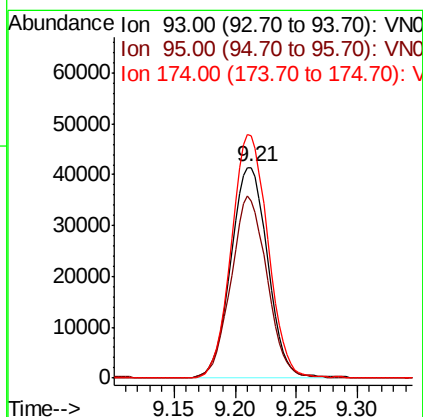
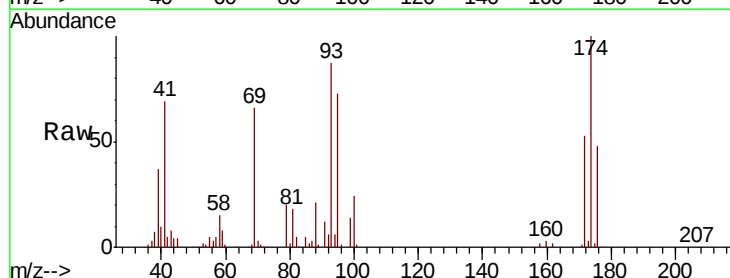
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBSD02

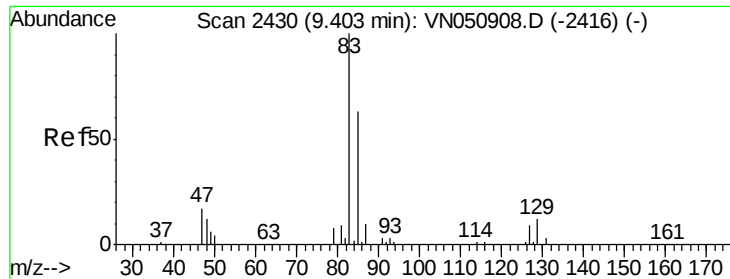
Tot Ion: 63 Resp: 145349
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.6 38.4



#40
 Dibromomethane
 Concen: 19.43 ug/l
 RT: 9.21 min Scan# 2371
 Delta R.T. 0.00 min
 Lab File: VN050975.D
 Acq: 30 Aug 2018 20:48

Tgt Ion: 93 Resp: 87086
 Ion Ratio Lower Upper
 93 100
 95 84.2 0.0 173.4
 174 114.2 0.0 234.8





#41

Bromodichloromethane

Concen: 19.12 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD02

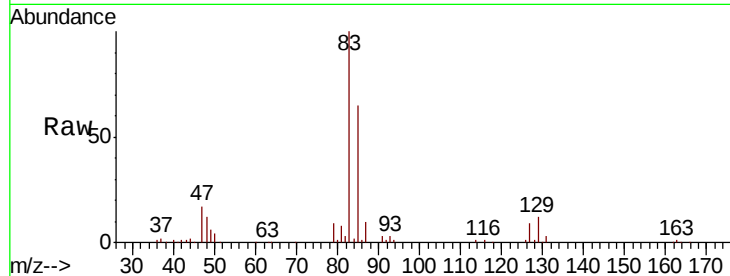
Tot Ion: 83 Resp: 180675

Ion Ratio Lower Upper

83 100

85 64.9 50.6 76.0

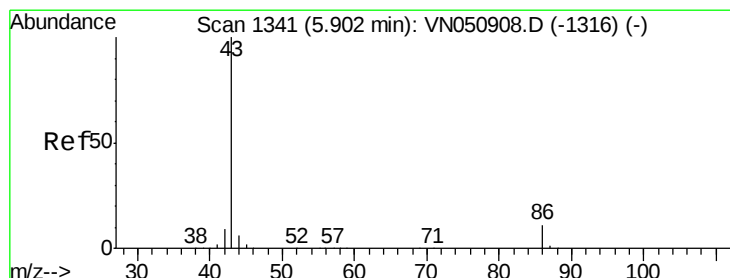
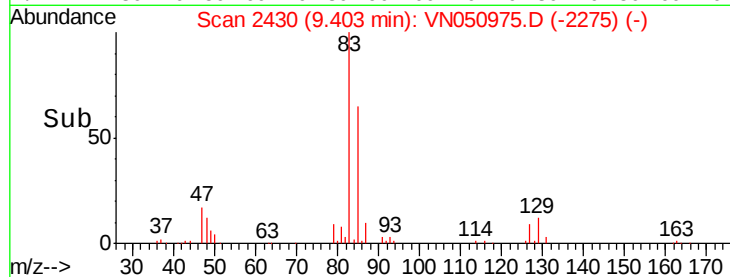
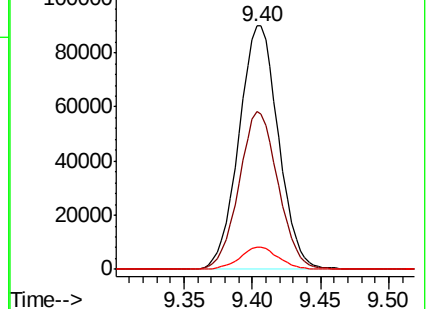
127 9.0 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 90.03 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VN050975.D

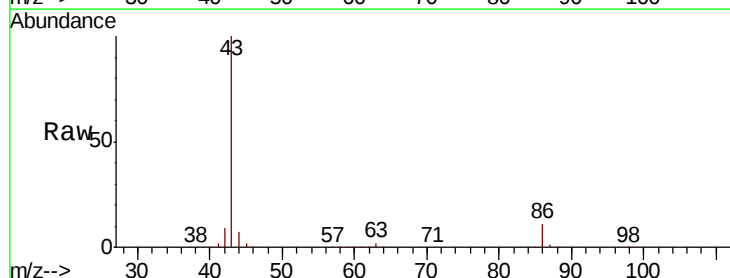
Acq: 30 Aug 2018 20:48

Tgt Ion: 43 Resp: 1175045

Ion Ratio Lower Upper

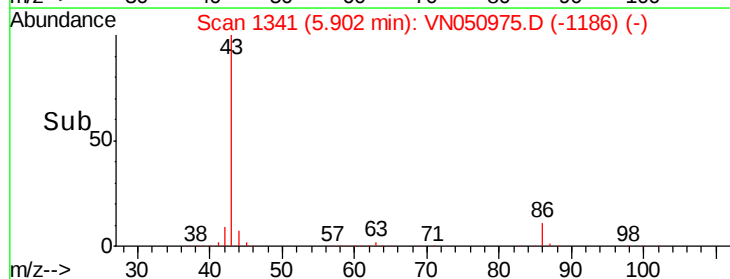
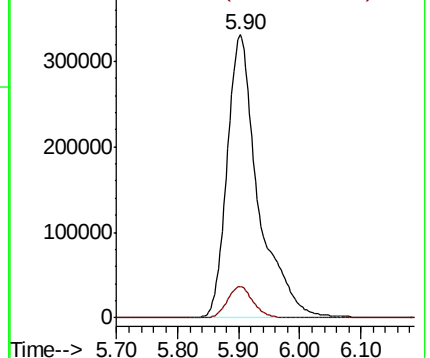
43 100

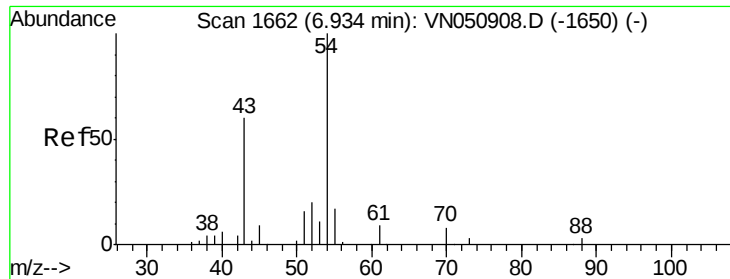
86 9.1 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

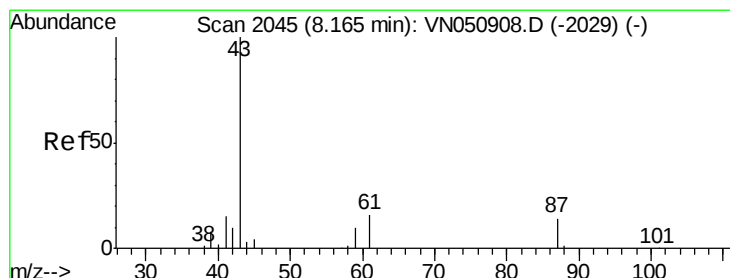
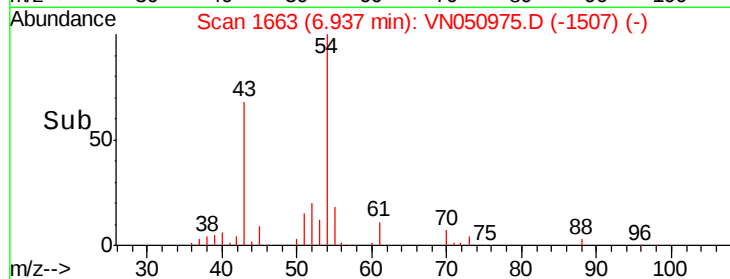
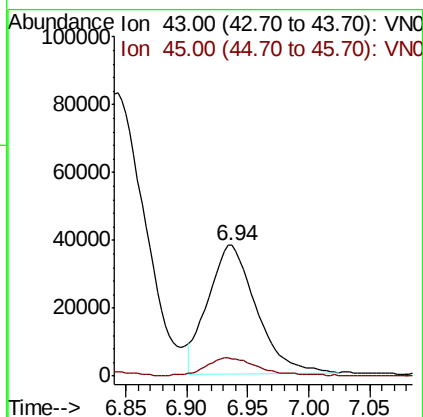
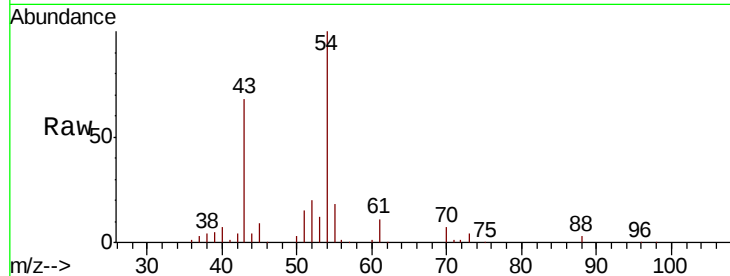




#43
Ethyl Acetate
Concen: 18.13 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050975.D
Acq: 30 Aug 2018 20:48

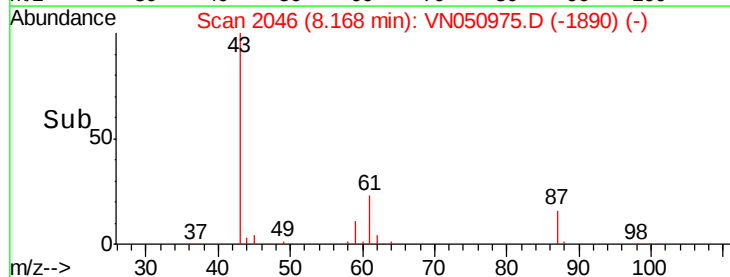
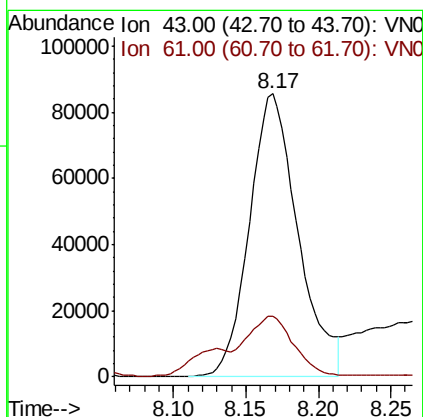
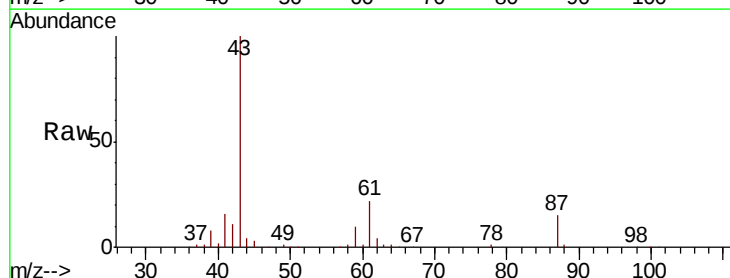
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD02

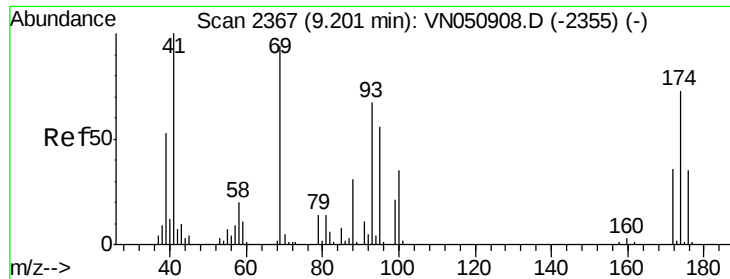
Tot Ion: 43 Resp: 105253
Ion Ratio Lower Upper
43 100
45 13.3 10.2 15.2



#44
Isopropyl Acetate
Concen: 19.46 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050975.D
Acq: 30 Aug 2018 20:48

Tgt Ion: 43 Resp: 199282
Ion Ratio Lower Upper
43 100
61 20.6 16.3 24.5





#45

1,4-Dioxane

Concen: 358.18 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD02

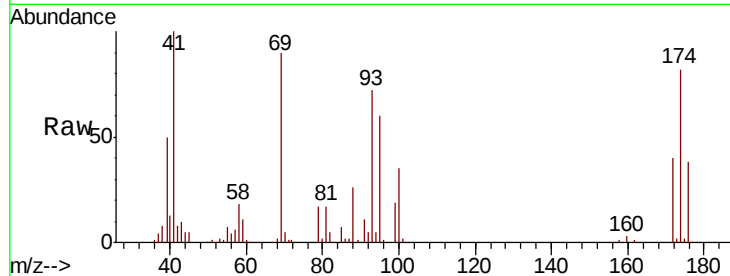
Tot Ion: 88 Resp: 27252

Ion Ratio Lower Upper

88 100

43 29.5 23.5 35.3

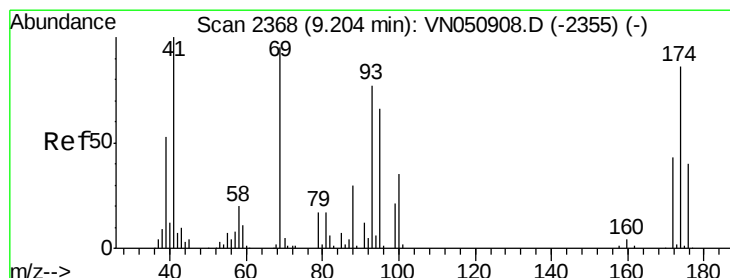
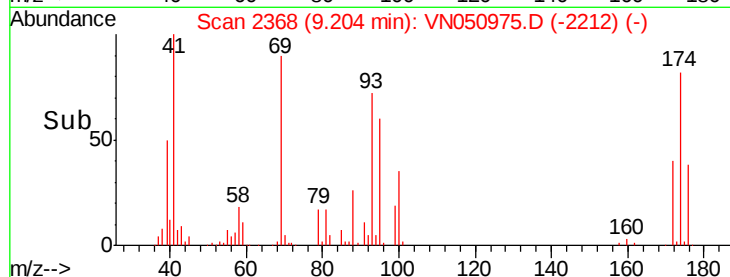
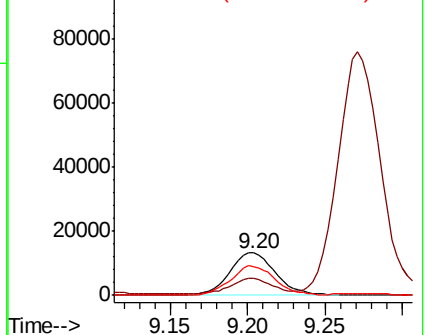
58 67.8 55.2 82.8



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 18.69 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

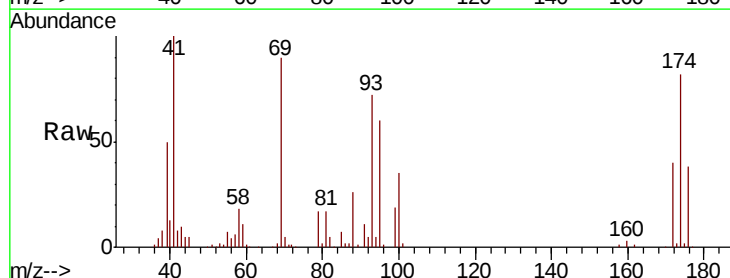
Tgt Ion: 41 Resp: 95877

Ion Ratio Lower Upper

41 100

69 91.5 47.4 142.2

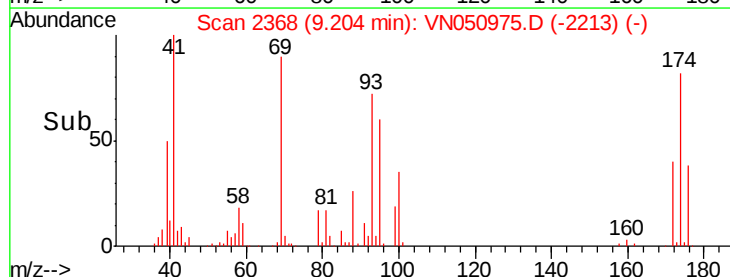
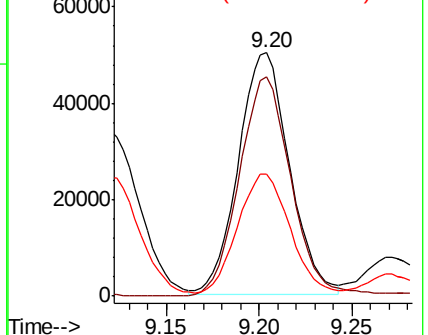
39 49.7 26.6 79.7

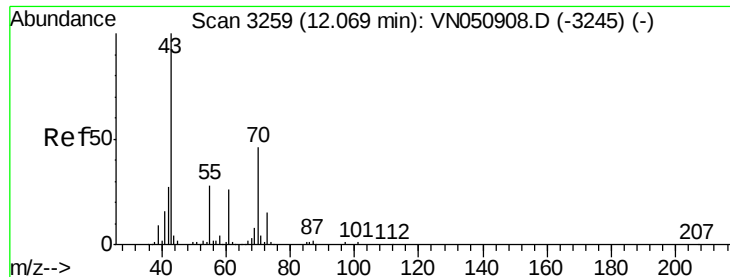


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

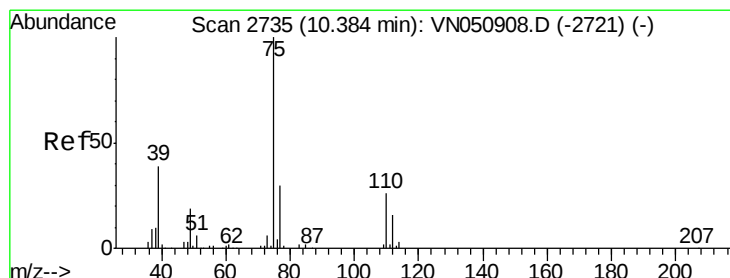
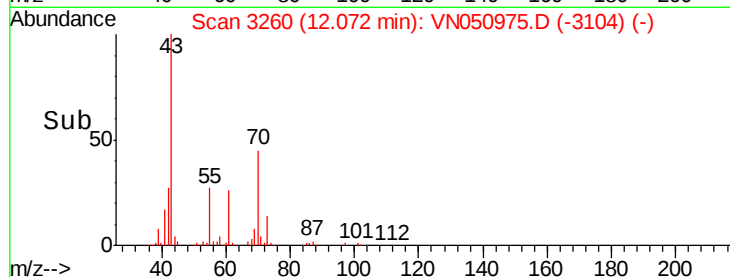
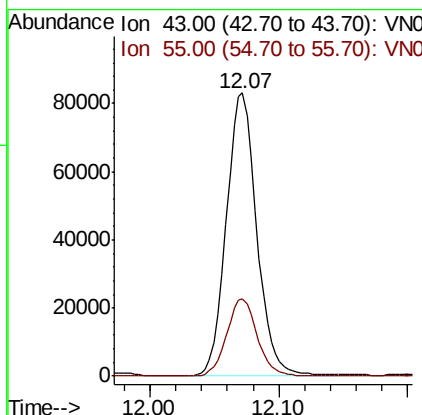
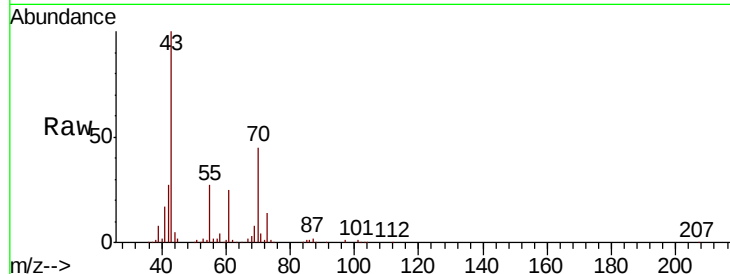




#47
n-amyl Acetate
Concen: 16.39 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN050975.D
Acq: 30 Aug 2018 20:48

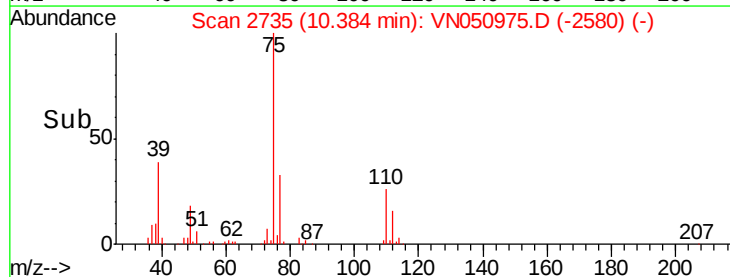
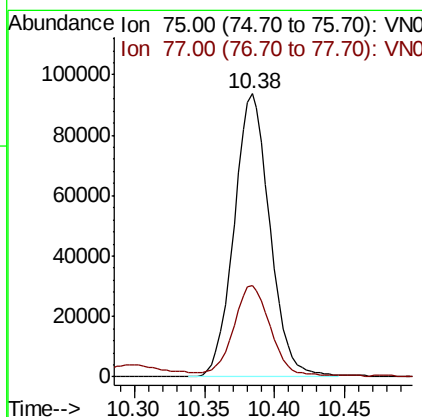
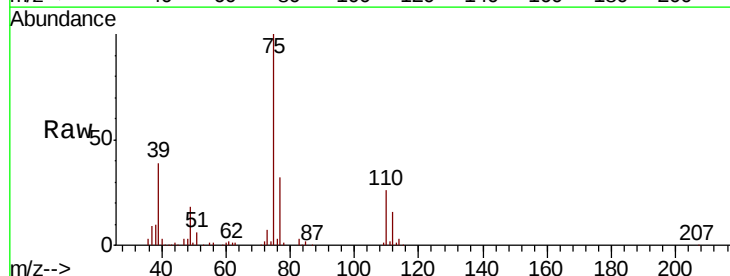
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD02

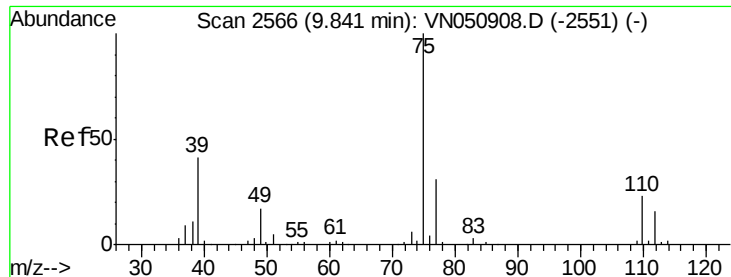
Tot Ion: 43 Resp: 134968
Ion Ratio Lower Upper
43 100
55 27.6 23.0 34.4



#48
t-1,3-Dichloropropene
Concen: 18.02 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN050975.D
Acq: 30 Aug 2018 20:48

Tgt Ion: 75 Resp: 166906
Ion Ratio Lower Upper
75 100
77 31.8 24.8 37.2



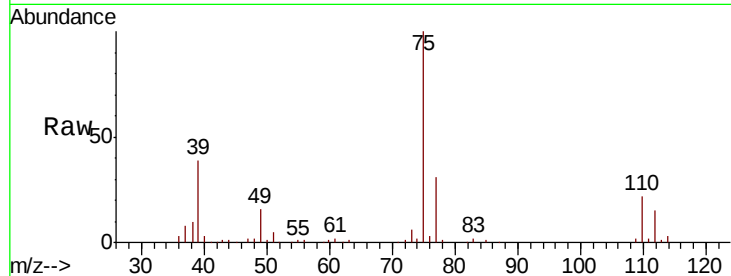


#49

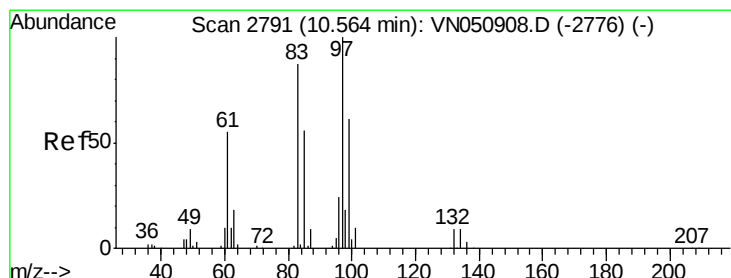
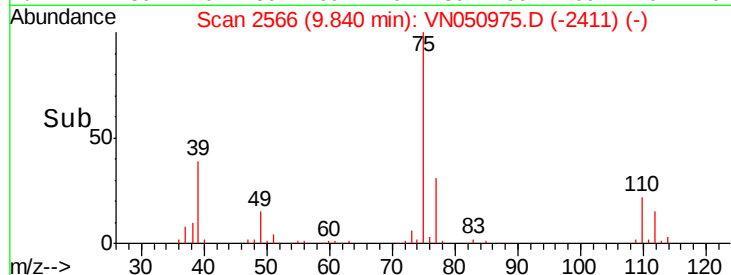
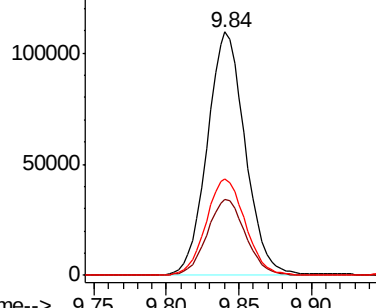
cis-1,3-Dichloropropene
 Concen: 18.74 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050975.D
 Acq: 30 Aug 2018 20:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBSD02

Tot Ion:	75	Resp:	199352
Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.4
39	39.4	32.9	49.3



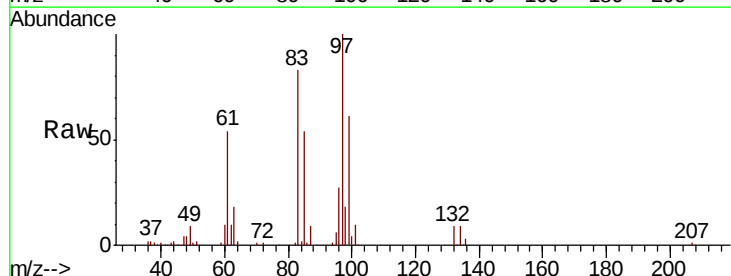
Abundance Ion 75.00 (74.70 to 75.70): VNO
 Ion 77.00 (76.70 to 77.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO



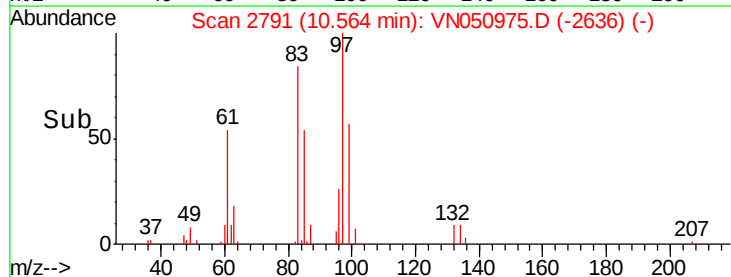
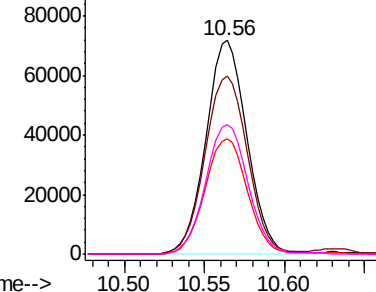
#50

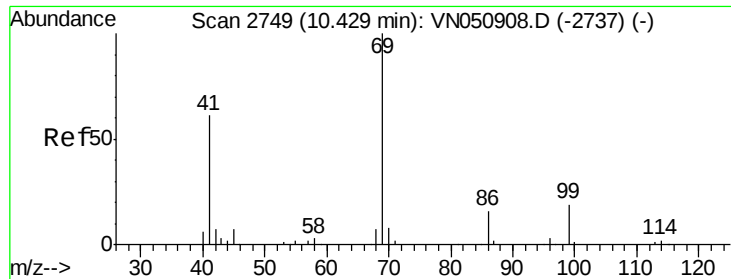
1,1,2-Trichloroethane
 Concen: 19.30 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050975.D
 Acq: 30 Aug 2018 20:48

Tgt Ion:	97	Resp:	125678
Ion	Ratio	Lower	Upper
97	100		
83	83.3	69.8	104.6
85	54.1	45.0	67.6
99	60.7	49.1	73.7



Abundance Ion 97.00 (96.70 to 97.70): VNO
 Ion 82.95 (82.65 to 83.65): VNO
 Ion 84.95 (84.65 to 85.65): VNO
 Ion 98.95 (98.65 to 99.65): VNO

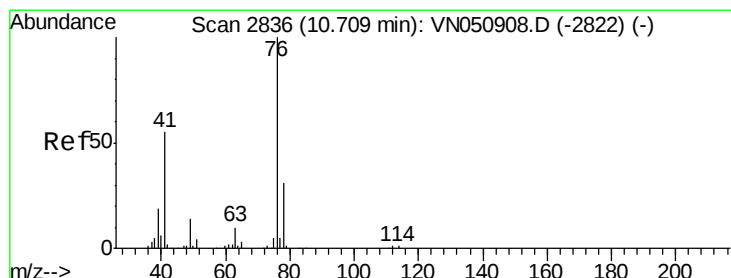
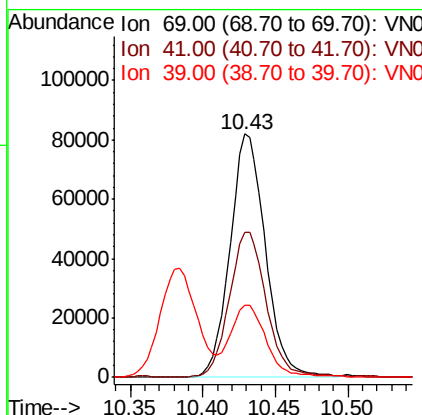
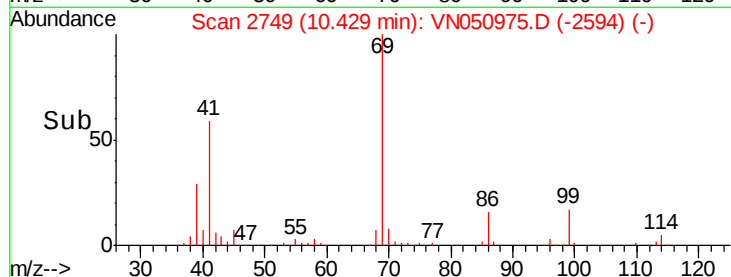
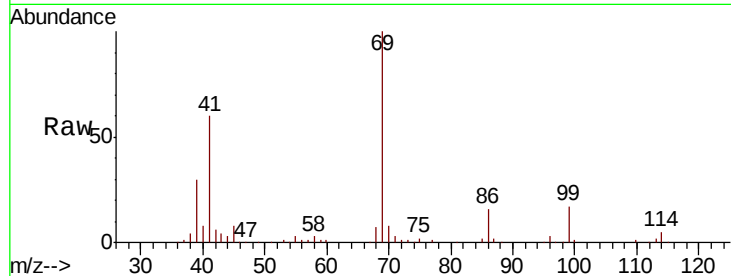




#51
Ethyl methacrylate
Concen: 17.45 ug/l
RT: 10.43 min Scan# 2749
Delta R.T. -0.00 min
Lab File: VN050975.D
Acq: 30 Aug 2018 20:48

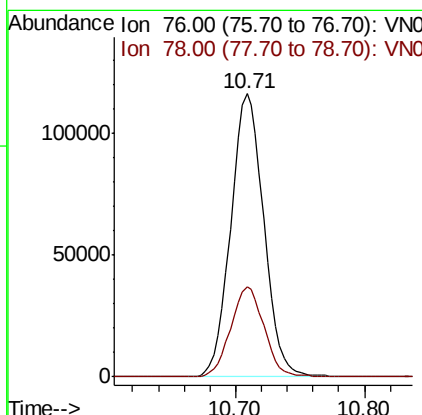
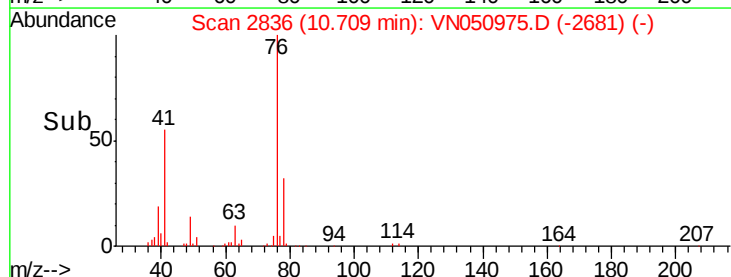
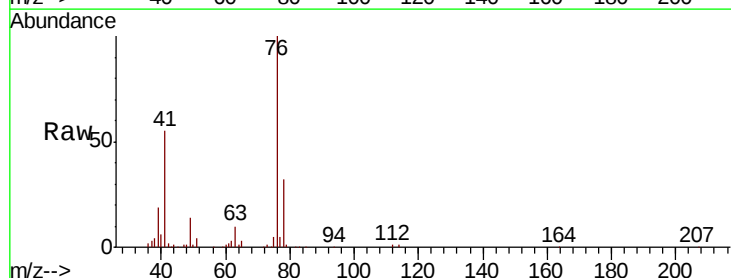
Instrument :
MSVOA_N
ClientSampled :
VN0830WBSD02

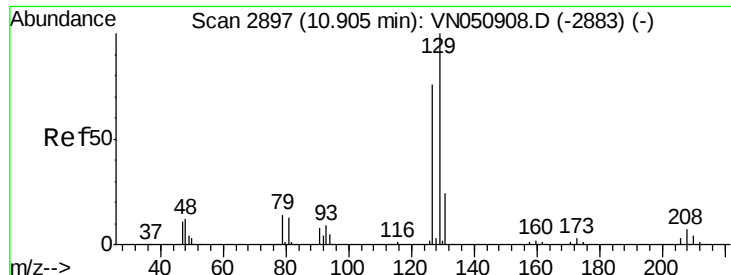
Tot Ion: 69 Resp: 139073
Ion Ratio Lower Upper
69 100
41 59.1 30.5 91.5
39 29.3 15.3 45.8



#52
1,3-Dichloropropane
Concen: 19.16 ug/l
RT: 10.71 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN050975.D
Acq: 30 Aug 2018 20:48

Tgt Ion: 76 Resp: 206714
Ion Ratio Lower Upper
76 100
78 32.2 0.0 63.4





#53

Dibromochloromethane

Concen: 18.81 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

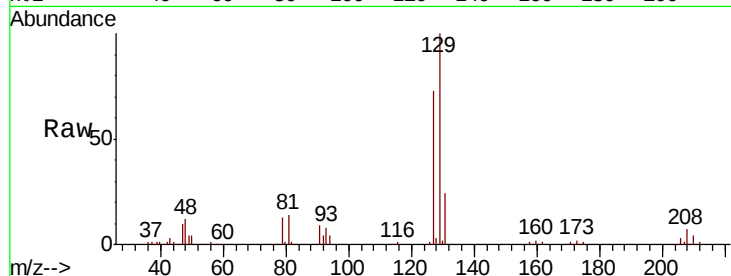
VN0830WBSD02

Tot Ion:129 Resp: 139308

Ion Ratio Lower Upper

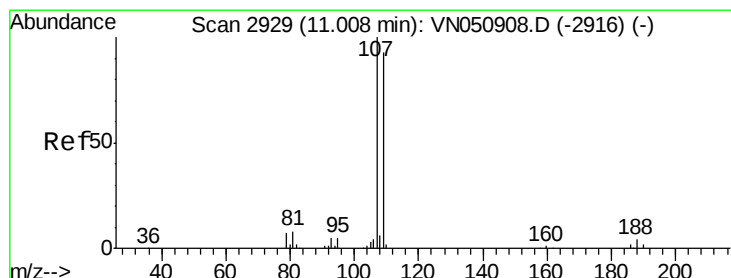
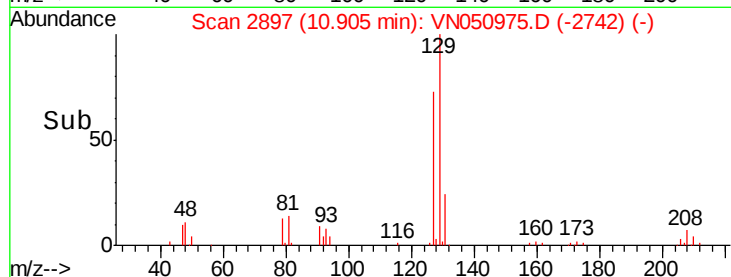
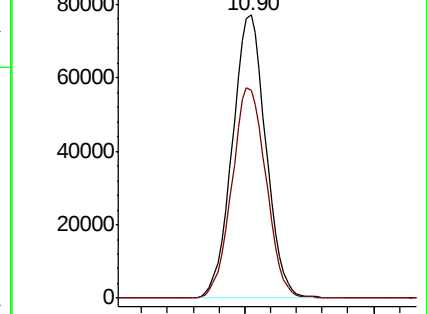
129 100

127 75.6 39.0 116.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.50 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050975.D

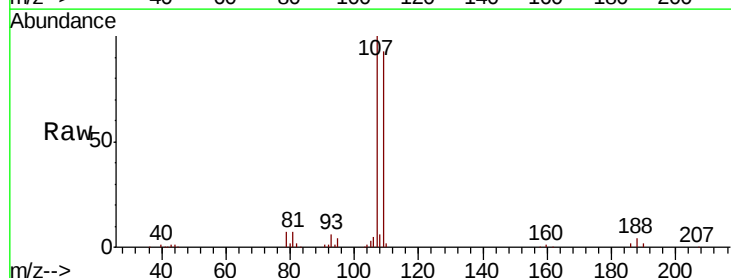
Acq: 30 Aug 2018 20:48

Tgt Ion:107 Resp: 119123

Ion Ratio Lower Upper

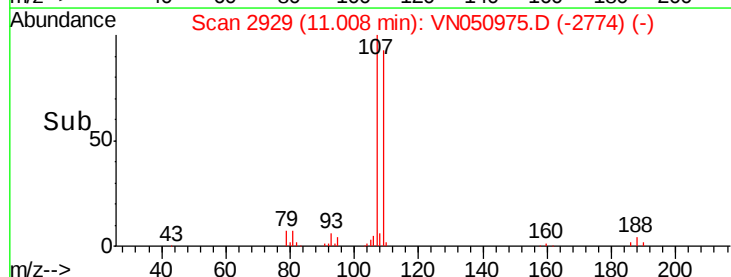
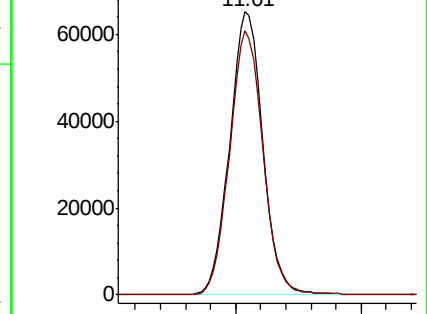
107 100

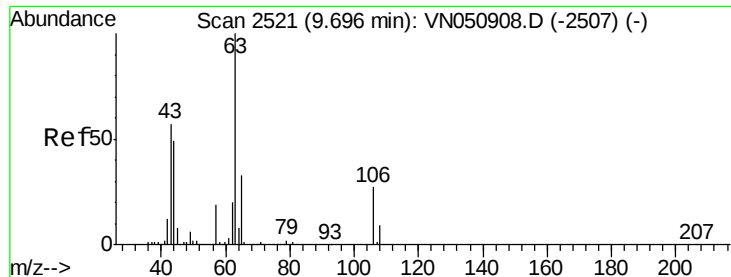
109 94.2 74.4 111.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

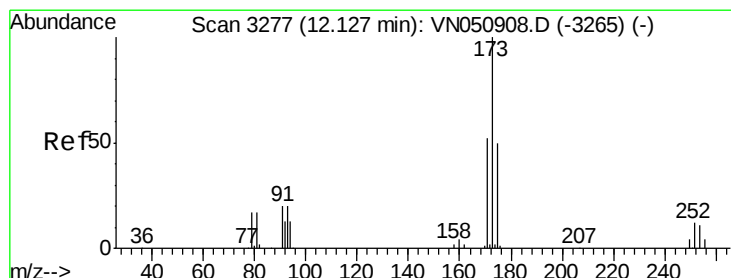
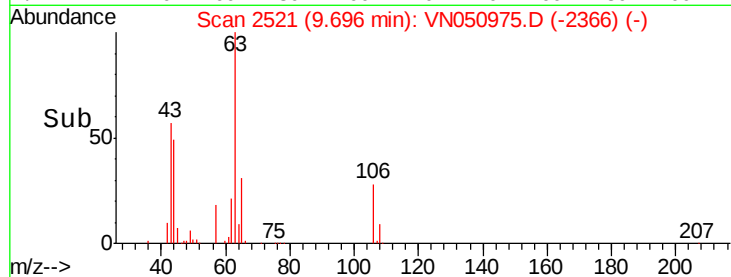
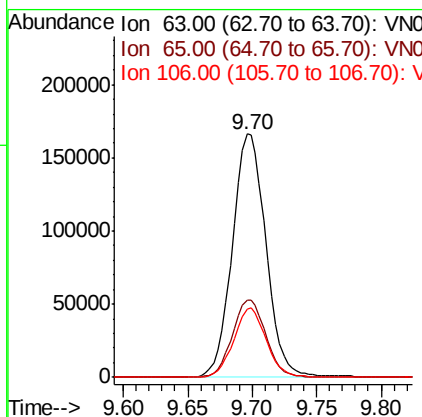
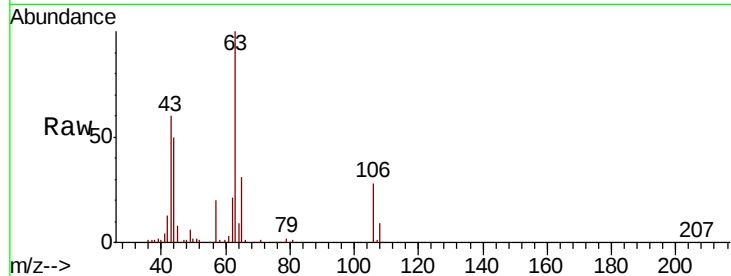




#55
2-Chloroethyl vinyl ether
Concen: 90.66 ug/l
RT: 9.70 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VN050975.D
Acq: 30 Aug 2018 20:48

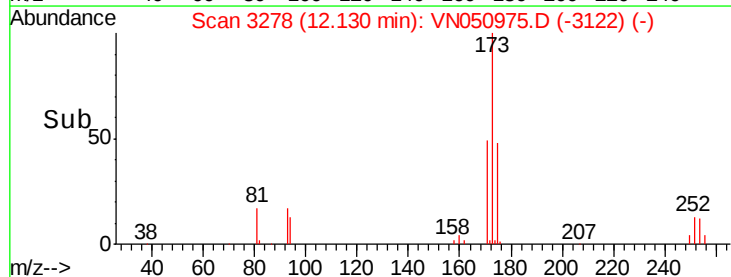
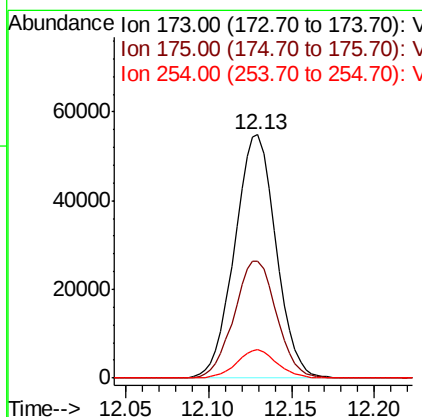
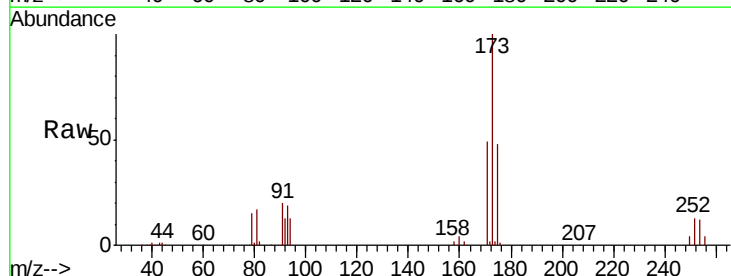
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD02

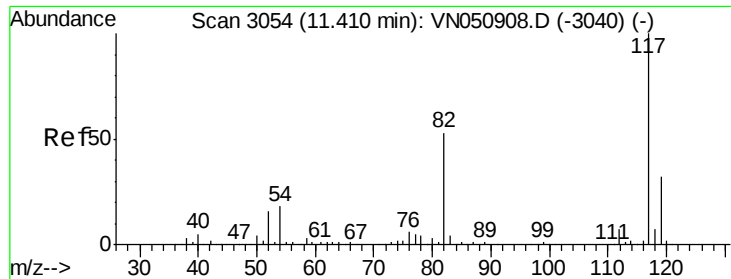
Tot Ion: 63 Resp: 300626
Ion Ratio Lower Upper
63 100
65 31.7 25.4 38.2
106 27.6 22.0 33.0



#56
Bromoform
Concen: 18.08 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN050975.D
Acq: 30 Aug 2018 20:48

Tgt Ion: 173 Resp: 95224
Ion Ratio Lower Upper
173 100
175 49.3 39.2 58.8
254 11.3 9.0 13.6

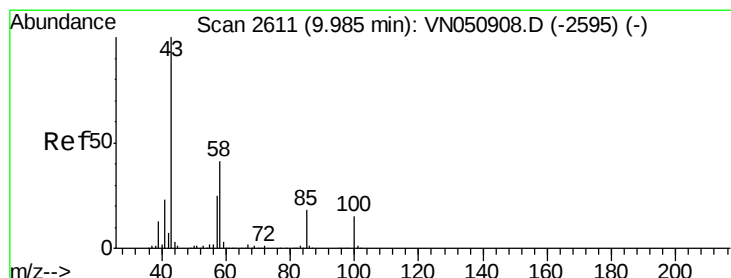
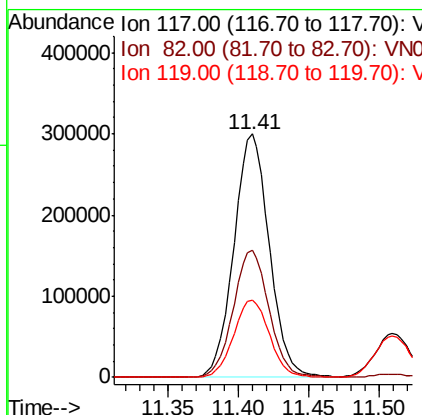
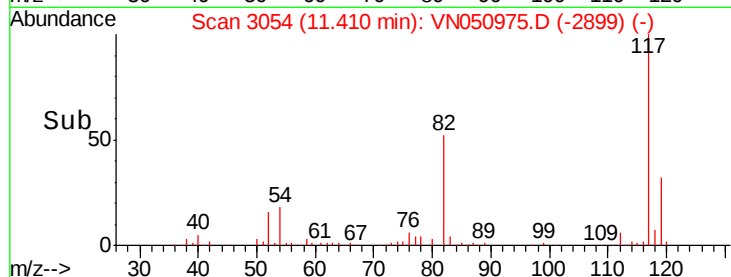
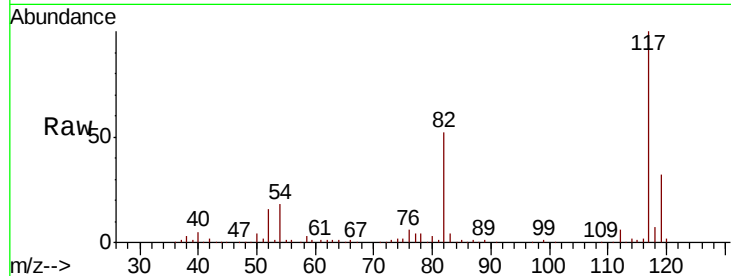




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050975.D
Acq: 30 Aug 2018 20:48

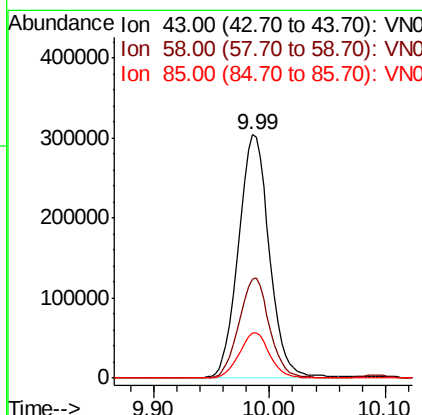
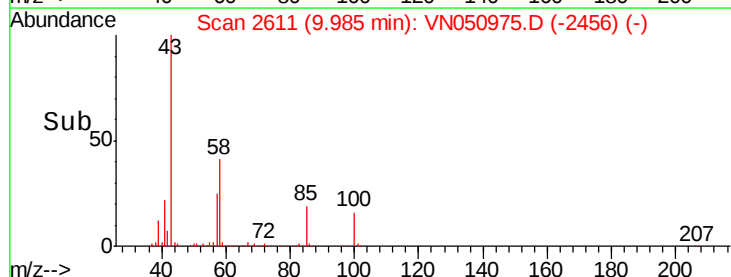
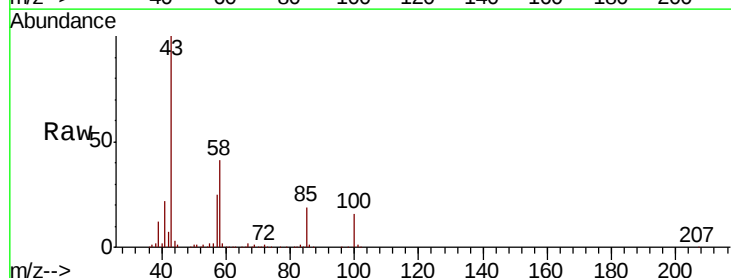
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD02

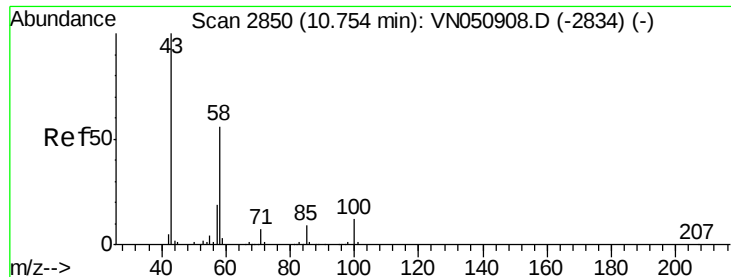
Tot Ion:117 Resp: 527750
Ion Ratio Lower Upper
117 100
82 52.7 42.6 64.0
119 32.4 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 92.84 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050975.D
Acq: 30 Aug 2018 20:48

Tgt Ion: 43 Resp: 560593
Ion Ratio Lower Upper
43 100
58 40.9 32.3 48.5
85 18.5 14.9 22.3

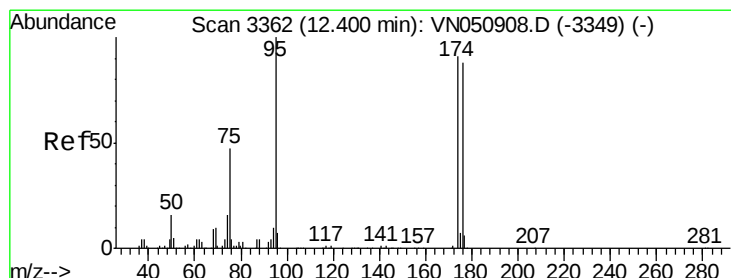
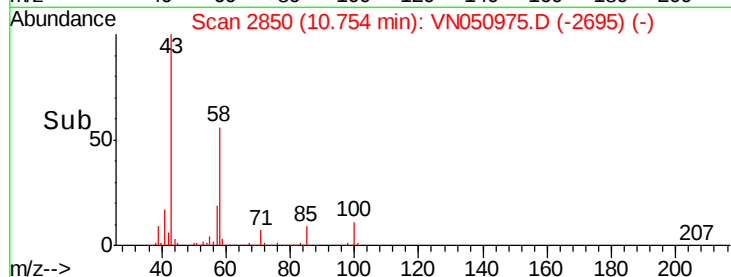
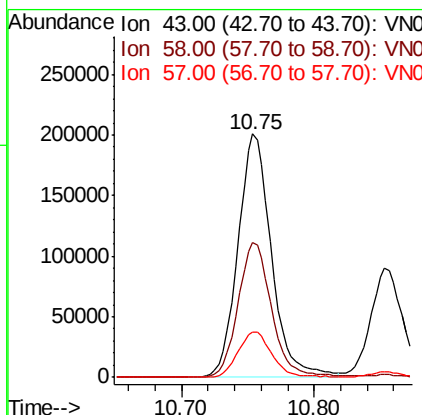
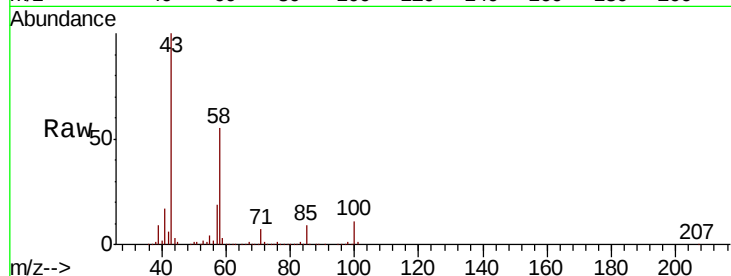




#59
2-Hexanone
Concen: 88.81 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050975.D
Acq: 30 Aug 2018 20:48

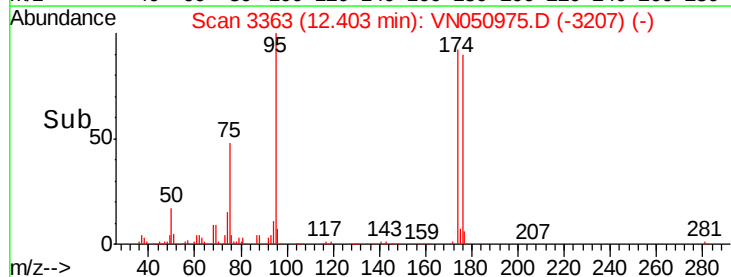
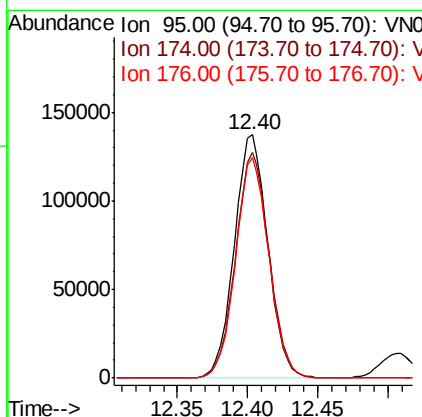
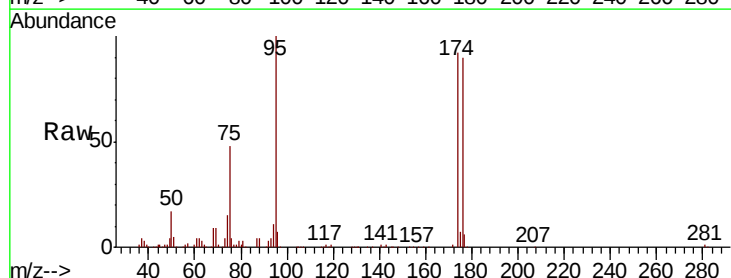
Instrument :
MSVOA_N
ClientSampled :
VN0830WBSD02

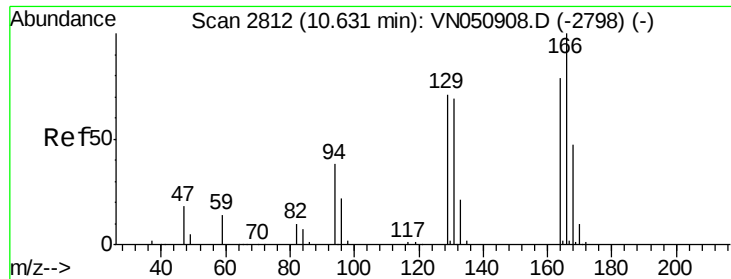
Tot Ion: 43 Resp: 350521
Ion Ratio Lower Upper
43 100
58 55.8 45.5 68.3
57 19.1 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 29.13 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050975.D
Acq: 30 Aug 2018 20:48

Tgt Ion: 95 Resp: 228613
Ion Ratio Lower Upper
95 100
174 92.9 74.6 112.0
176 90.0 71.5 107.3





#61

Tetrachloroethene

Concen: 19.51 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD02

Tot Ion:164 Resp: 128322

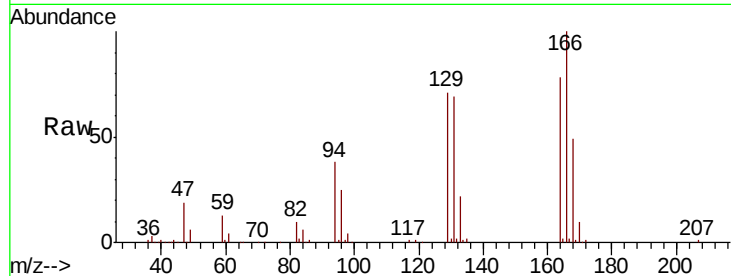
Ion Ratio Lower Upper

164 100

166 128.9 100.6 151.0

129 91.8 71.0 106.6

131 89.1 69.3 103.9

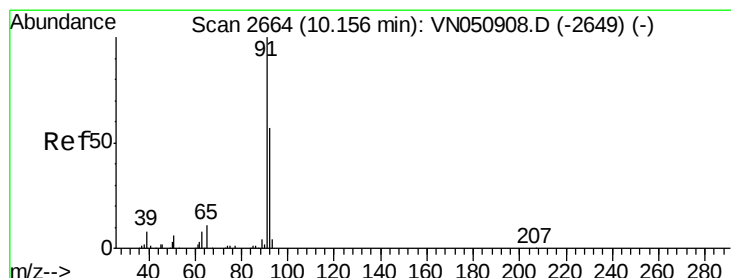
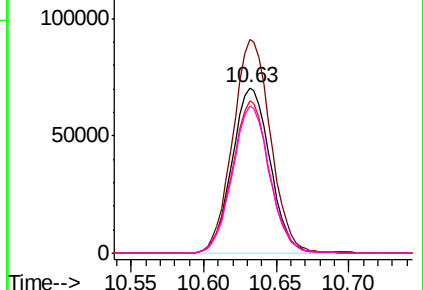
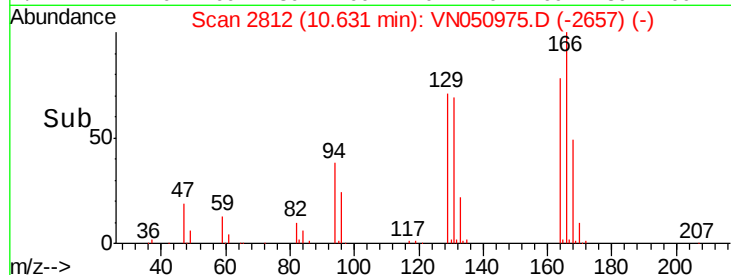


Abundance Ion 163.85 (163.55 to 164.55): V

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: 19.48 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050975.D

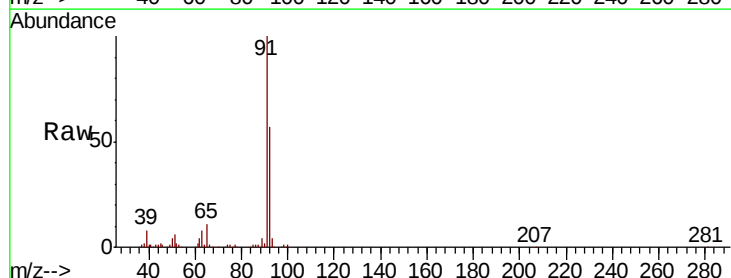
Acq: 30 Aug 2018 20:48

Tgt Ion: 91 Resp: 573682

Ion Ratio Lower Upper

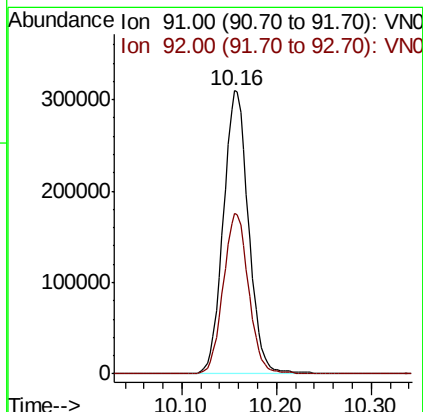
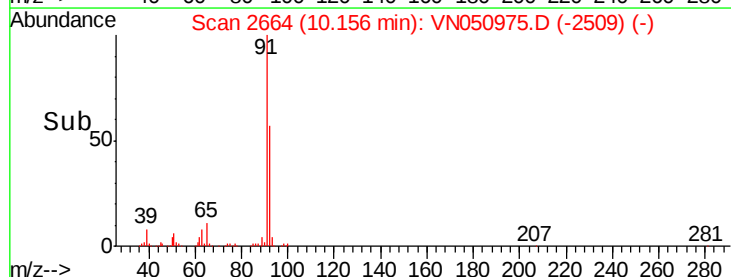
91 100

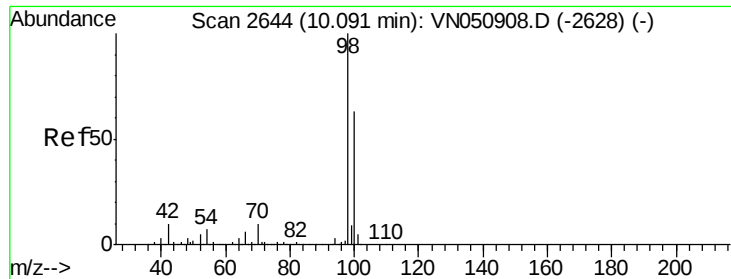
92 56.9 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 31.19 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

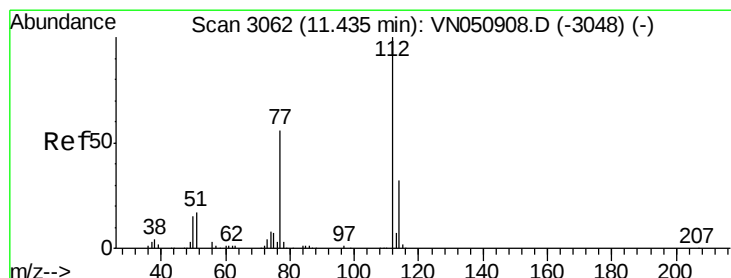
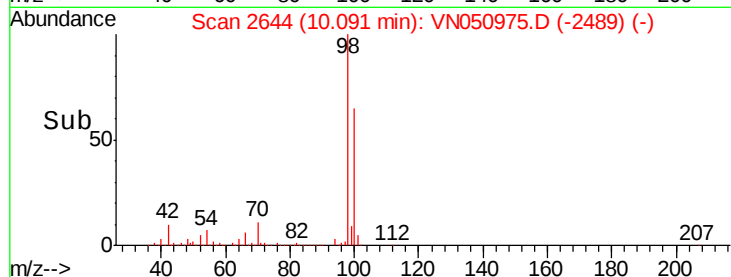
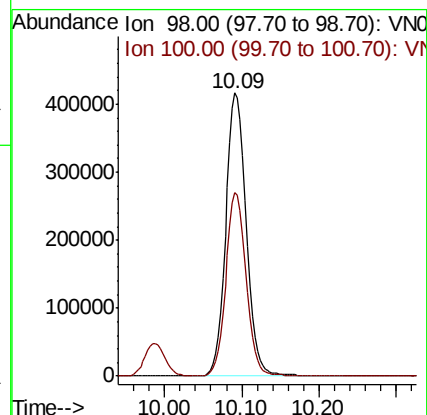
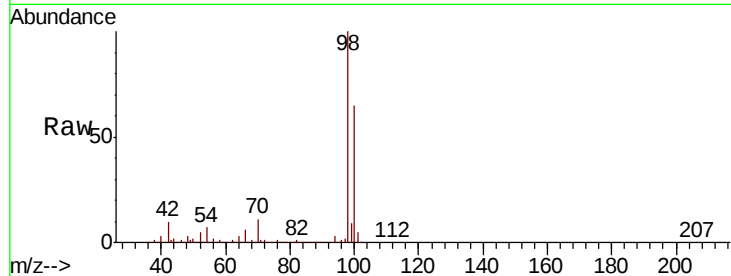
VN0830WBSD02

Tot Ion: 98 Resp: 767652

Ion Ratio Lower Upper

98 100

100 64.2 50.6 75.8



#64

Chlorobenzene

Concen: 19.20 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN050975.D

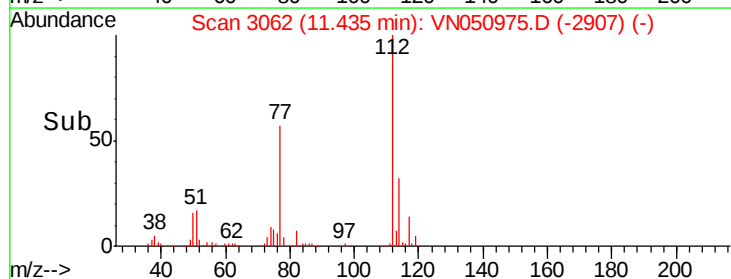
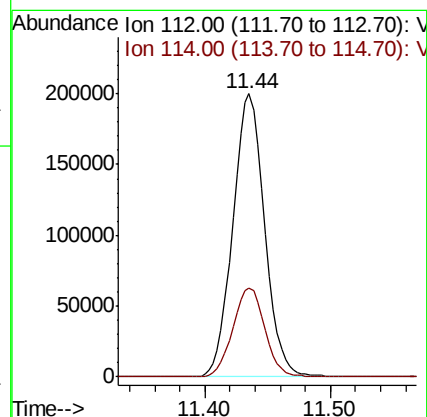
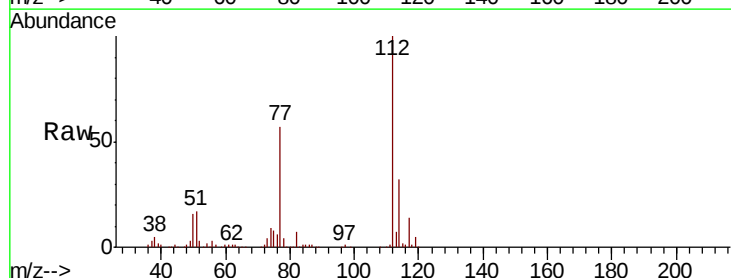
Acq: 30 Aug 2018 20:48

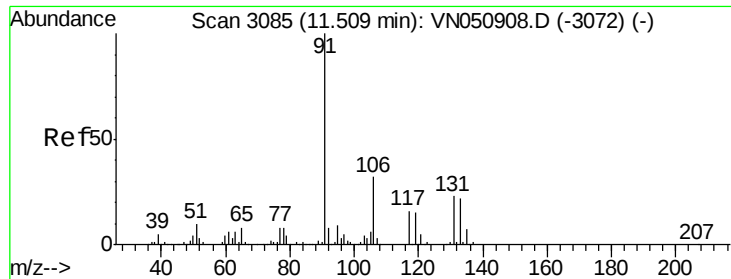
Tgt Ion: 112 Resp: 350427

Ion Ratio Lower Upper

112 100

114 31.6 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 19.82 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD02

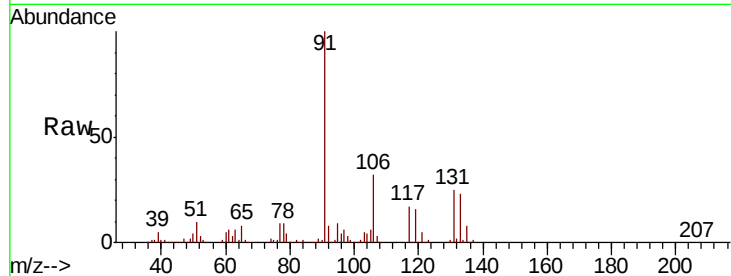
Tot Ion:131 Resp: 136523

Ion Ratio Lower Upper

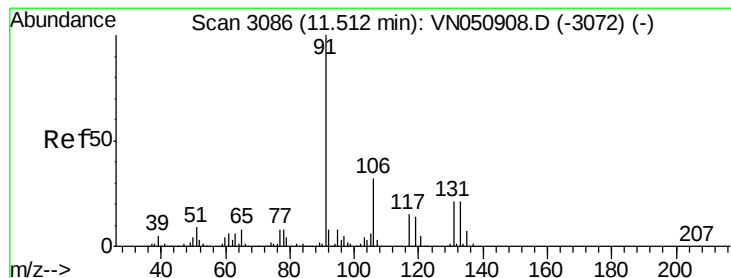
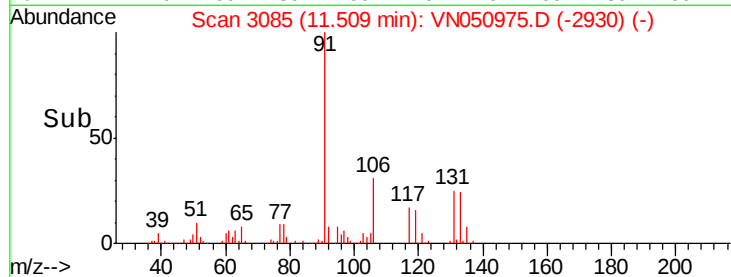
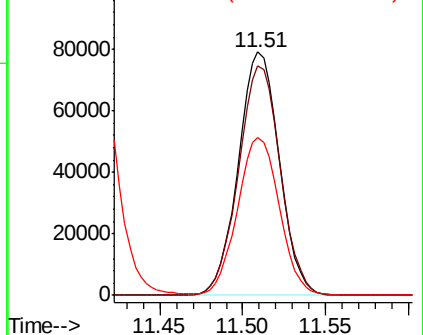
131 100

133 96.1 0.0 189.4

119 66.3 0.0 132.2



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 18.30 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050975.D

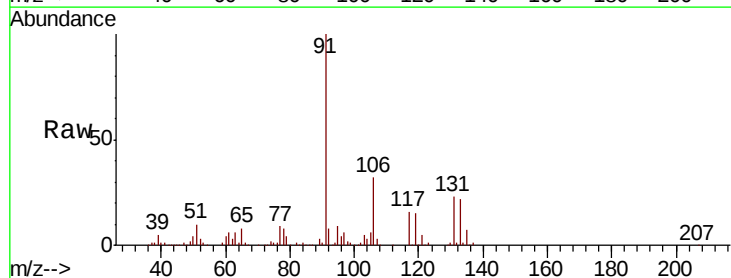
Acq: 30 Aug 2018 20:48

Tgt Ion: 91 Resp: 558127

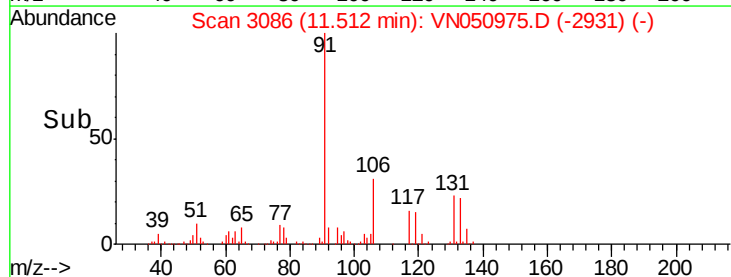
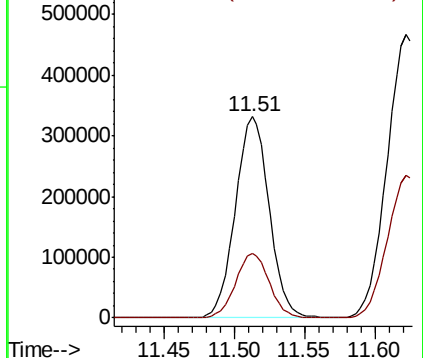
Ion Ratio Lower Upper

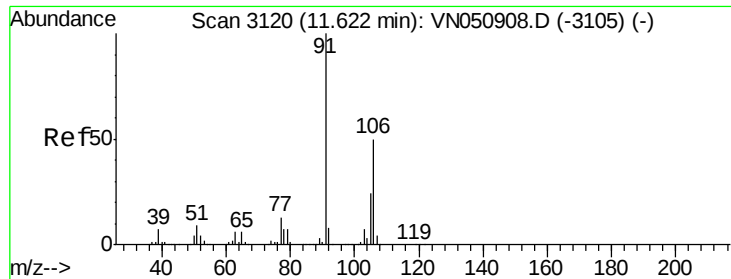
91 100

106 32.0 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 106.00 (105.70 to 106.70): V

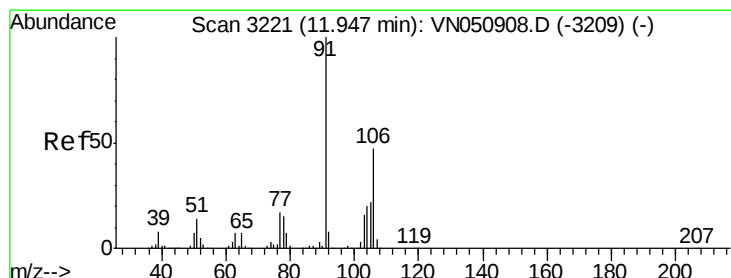
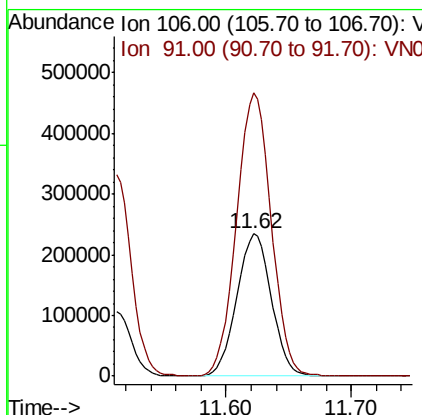
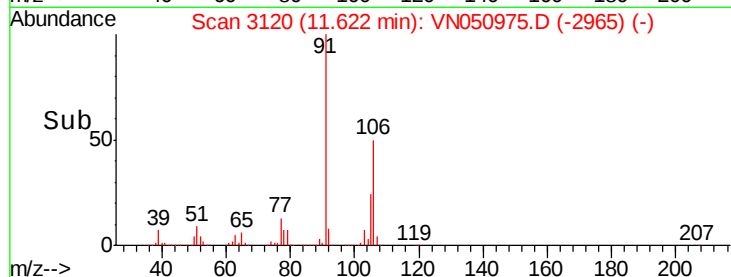
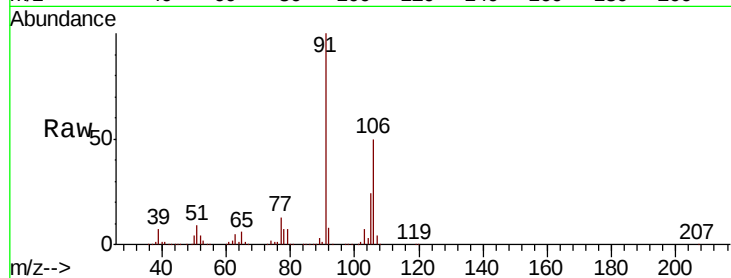




#67
m/p-Xylenes
Concen: 38.14 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050975.D
Acq: 30 Aug 2018 20:48

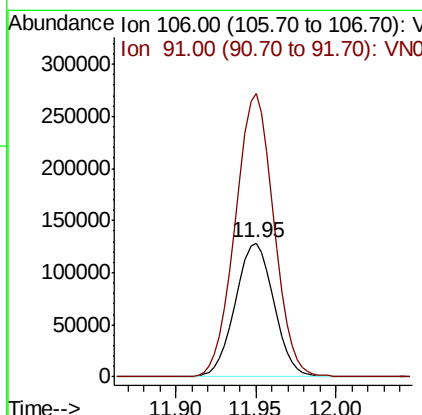
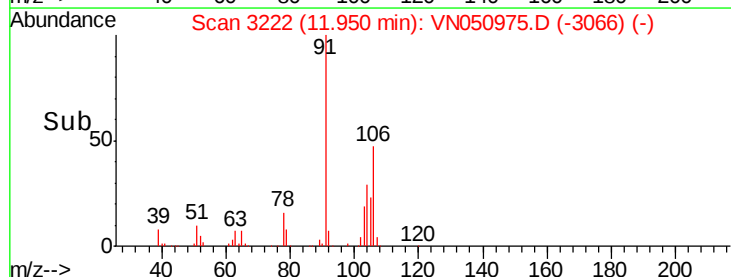
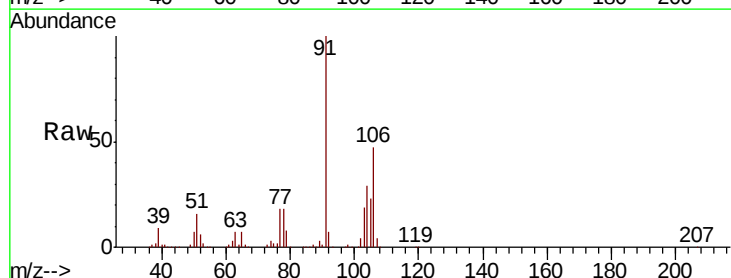
Instrument :
MSVOA_N
ClientSampled :
VN0830WBSD02

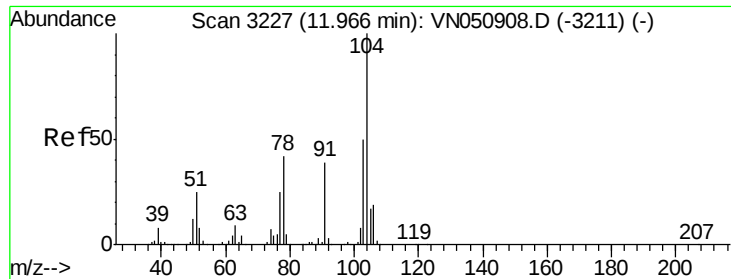
Tot Ion:106 Resp: 447564
Ion Ratio Lower Upper
106 100
91 199.9 160.6 241.0



#68
o-Xylene
Concen: 18.85 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050975.D
Acq: 30 Aug 2018 20:48

Tgt Ion:106 Resp: 211362
Ion Ratio Lower Upper
106 100
91 211.4 106.4 319.2





#69

Stvrene

Concen: 18.86 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD02

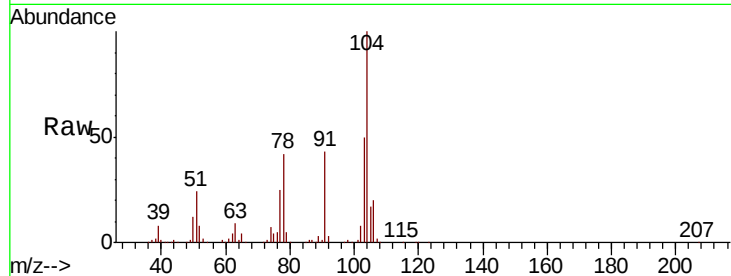
Tot Ion:104 Resp: 336143

Ion Ratio Lower Upper

104 100

78 48.0 38.6 58.0

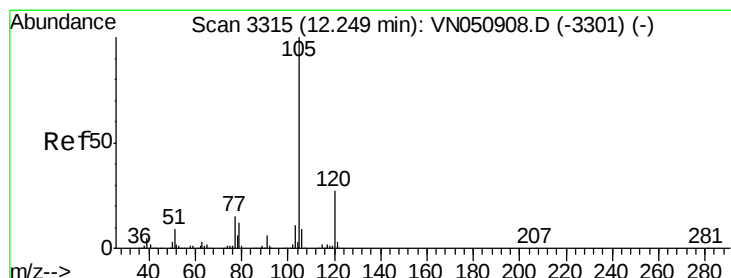
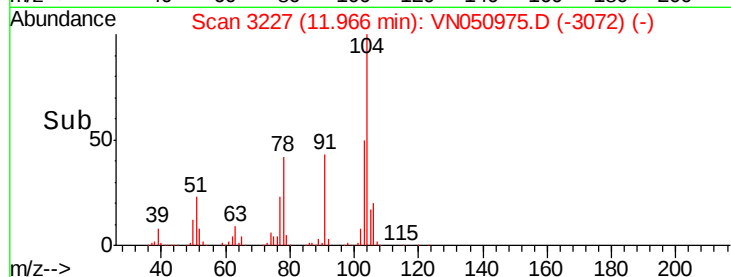
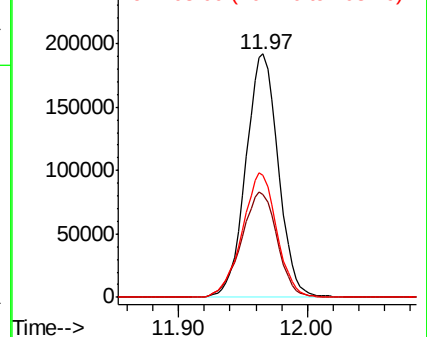
103 54.4 45.4 68.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 18.66 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050975.D

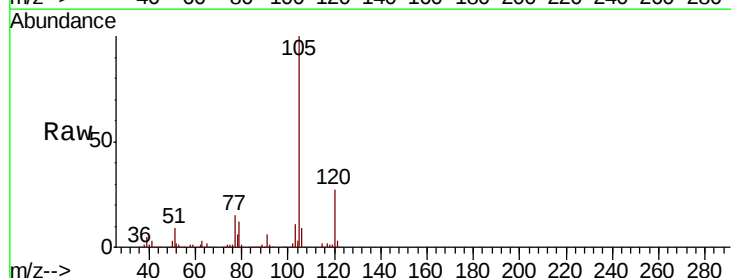
Acq: 30 Aug 2018 20:48

Tgt Ion:105 Resp: 556076

Ion Ratio Lower Upper

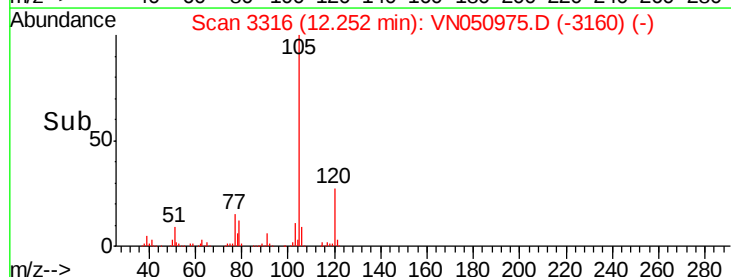
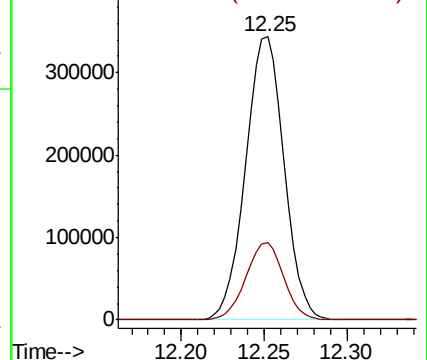
105 100

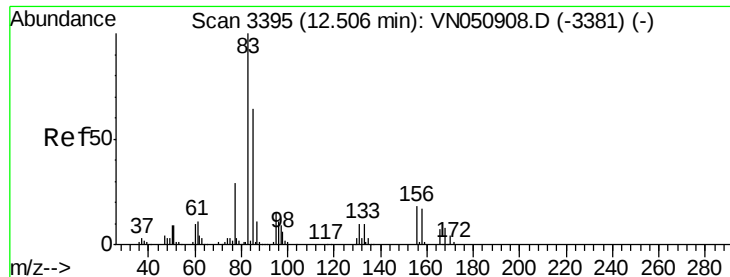
120 27.0 18.6 34.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 19.47 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD02

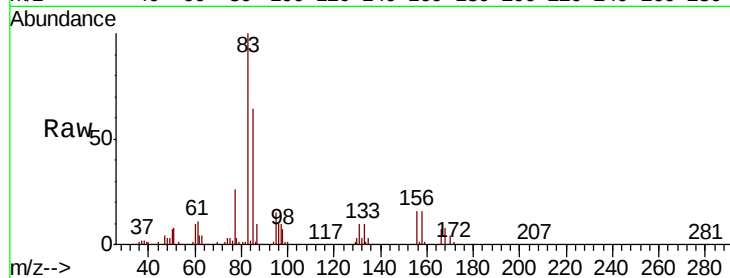
Tot Ion: 83 Resp: 157039

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.3	15.9
85	64.4	32.3	96.9

83 100

131 10.6 5.3 15.9

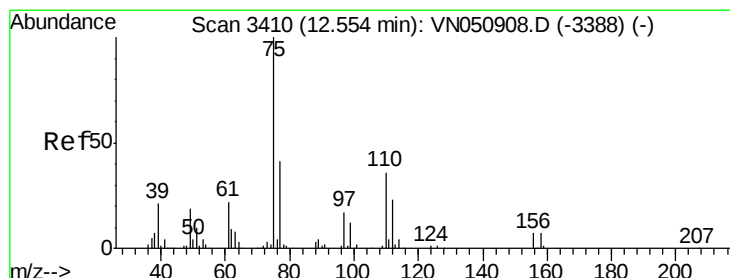
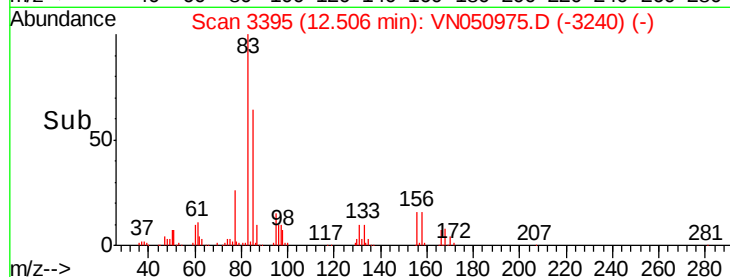
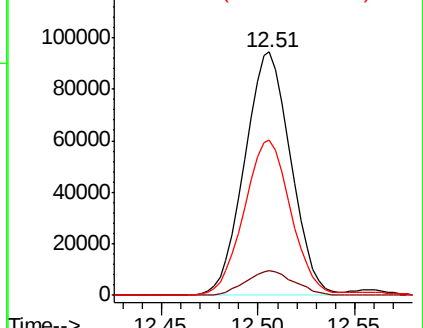
85 64.4 32.3 96.9



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 25.36 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050975.D

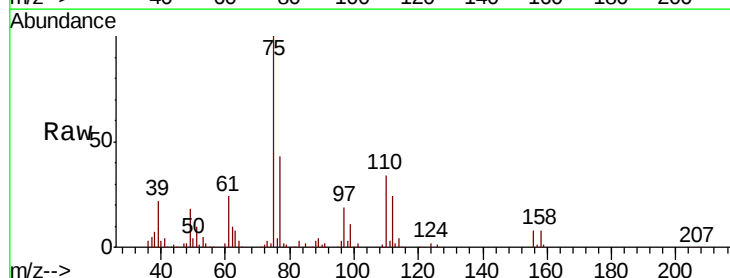
Acq: 30 Aug 2018 20:48

Tgt Ion: 75 Resp: 176493

Ion	Ratio	Lower	Upper
75	100		
77	148.3	0.0	301.6

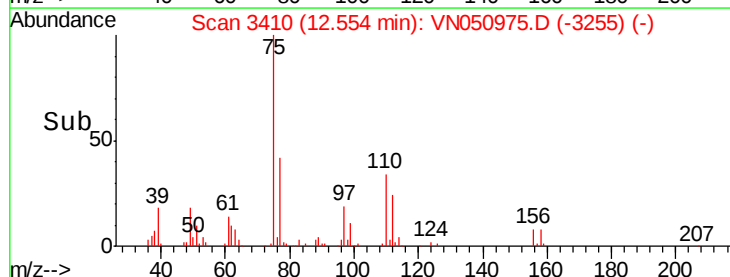
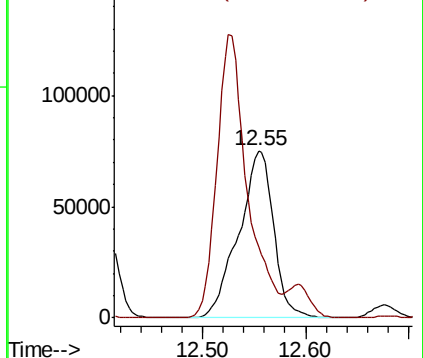
75 100

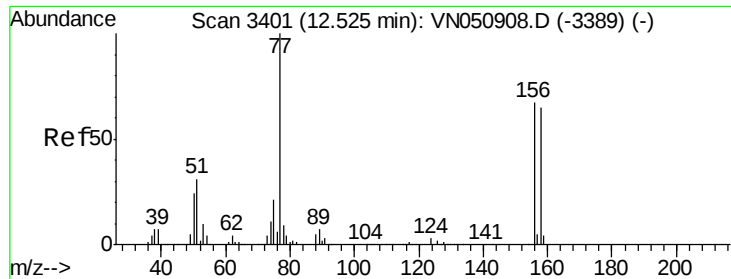
77 148.3 0.0 301.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

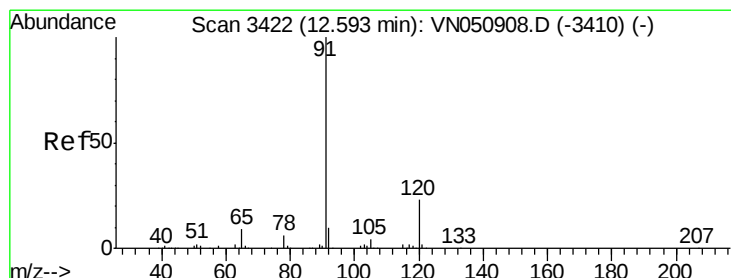
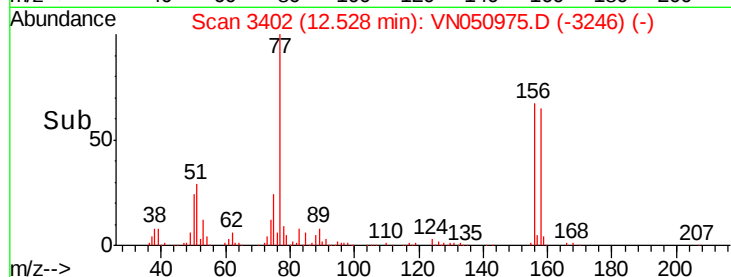
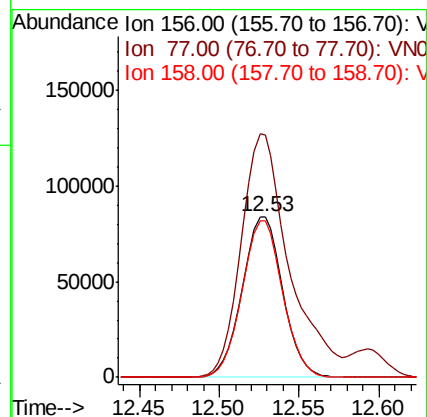
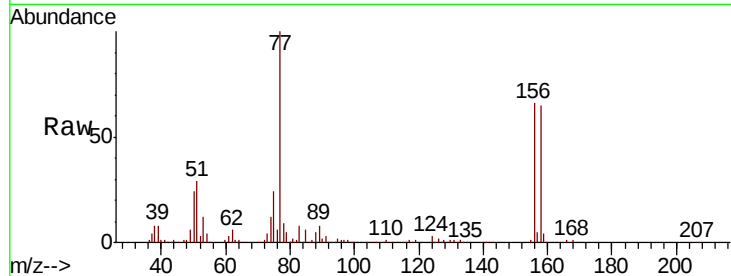




#73
Bromobenzene
Concen: 18.45 ug/l
RT: 12.53 min Scan# 3402
Delta R.T. 0.00 min
Lab File: VN050975.D
Acq: 30 Aug 2018 20:48

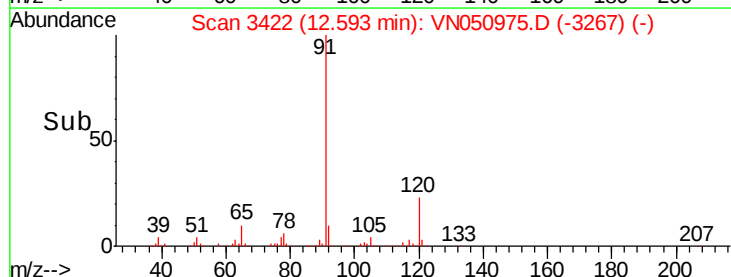
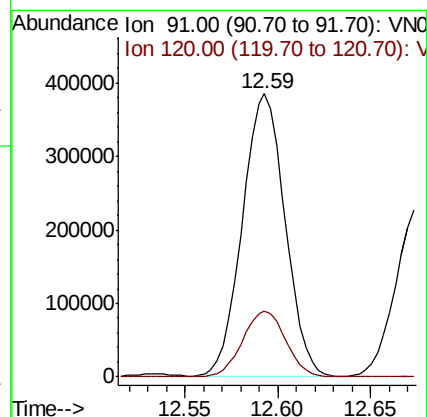
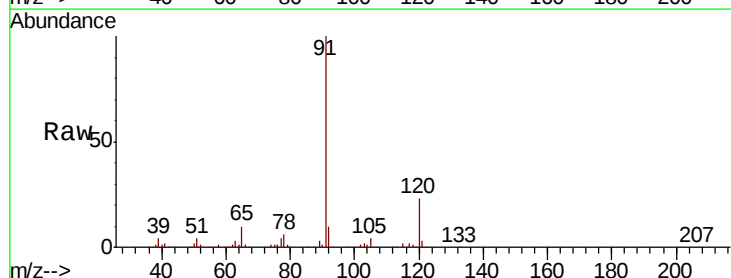
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD02

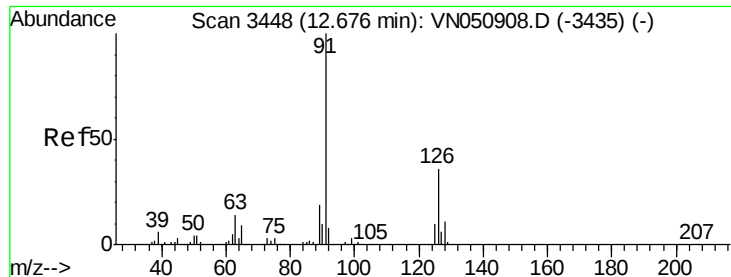
Tot Ion:156 Resp: 144628
Ion Ratio Lower Upper
156 100
77 181.0 0.0 359.4
158 97.7 0.0 194.6



#74
n-propylbenzene
Concen: 18.29 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN050975.D
Acq: 30 Aug 2018 20:48

Tgt Ion: 91 Resp: 615992
Ion Ratio Lower Upper
91 100
120 23.5 0.0 46.0





#75

2-Chlorotoluene

Concen: 19.00 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampled :

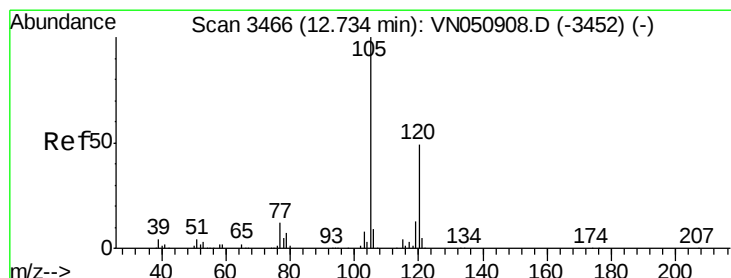
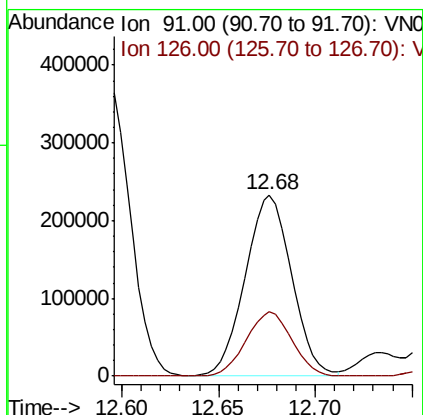
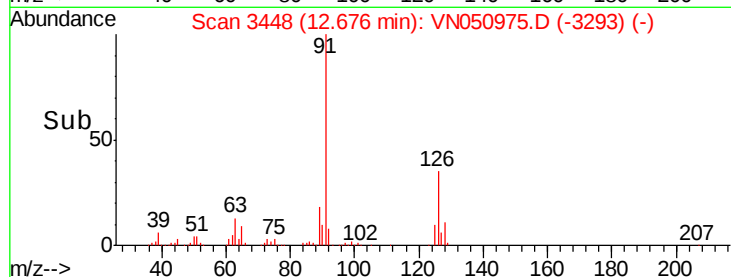
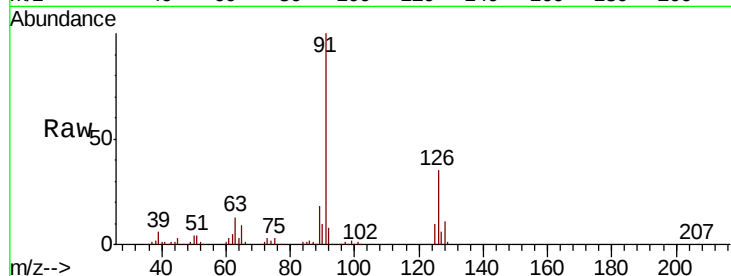
VN0830WBSD02

Tot Ion: 91 Resp: 388817

Ion Ratio Lower Upper

91 100

126 35.2 0.0 71.8



#76

1,3,5-Trimethylbenzene

Concen: 19.08 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050975.D

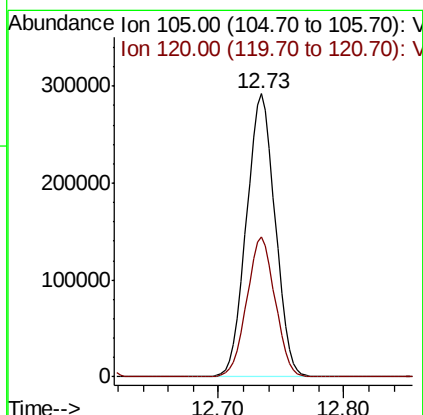
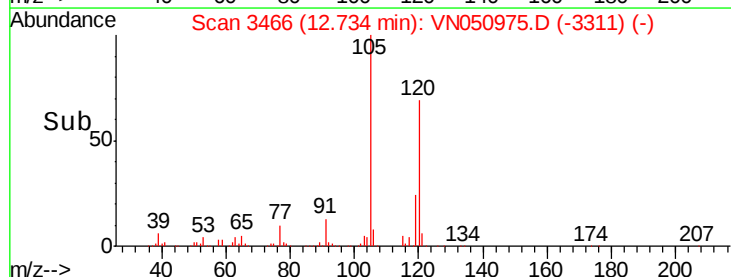
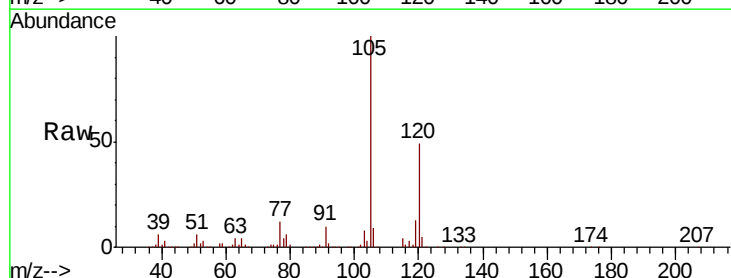
Acq: 30 Aug 2018 20:48

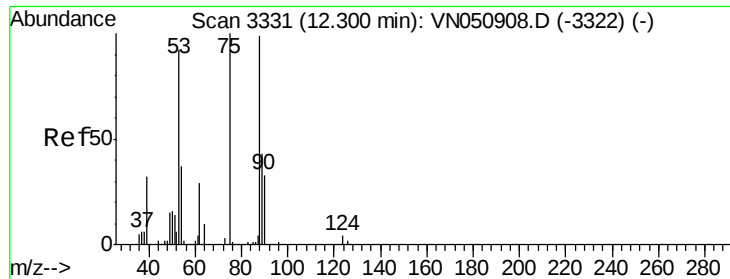
Tgt Ion:105 Resp: 464586

Ion Ratio Lower Upper

105 100

120 48.9 0.0 99.6



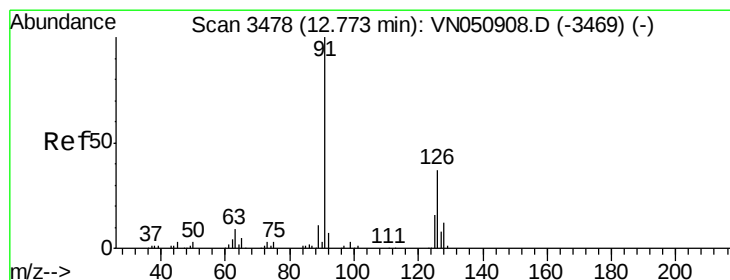
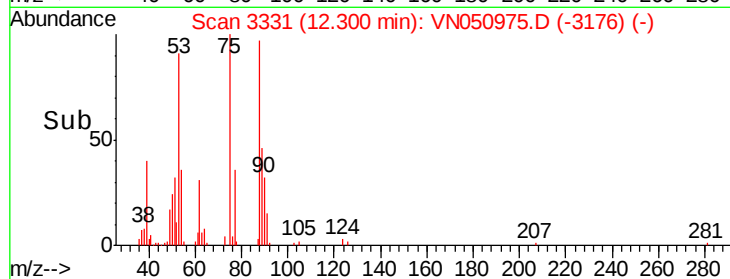
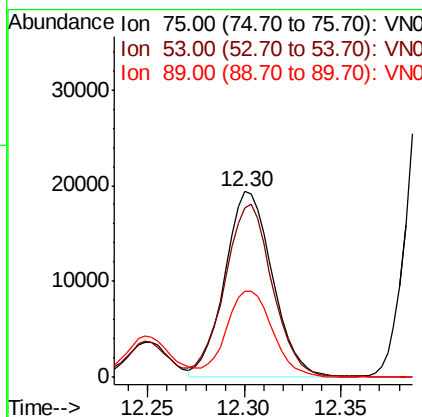
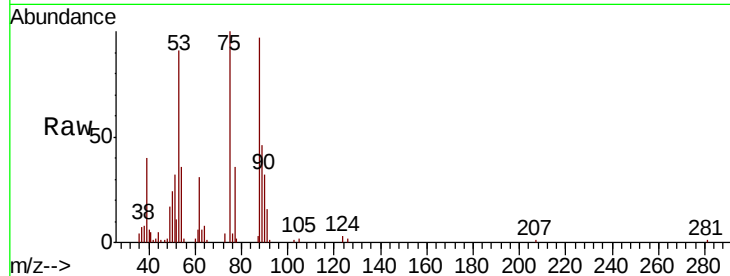


#77
t-1,4-Dichloro-2-butene
Concen: 16.81 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN050975.D
Acq: 30 Aug 2018 20:48

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD02

Tot Ion: 75 Resp: 33322

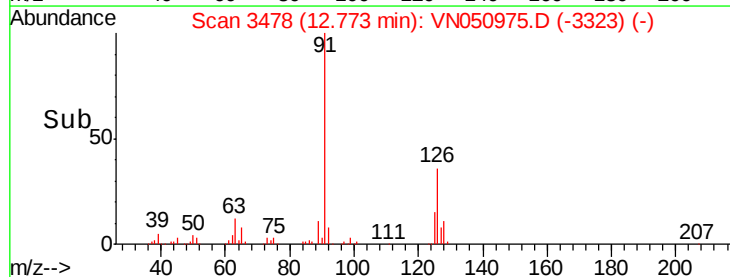
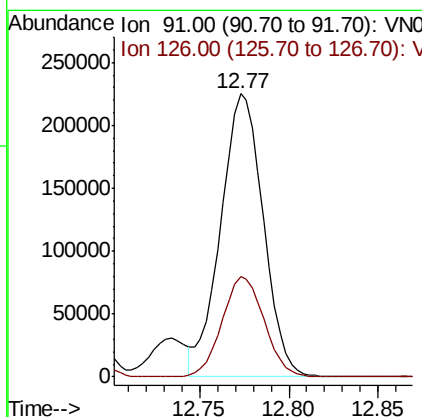
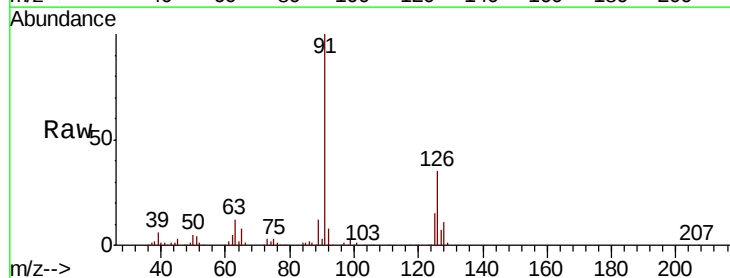
Ion	Ratio	Lower	Upper
75	100		
53	90.5	45.5	136.4
89	46.4	21.9	65.8

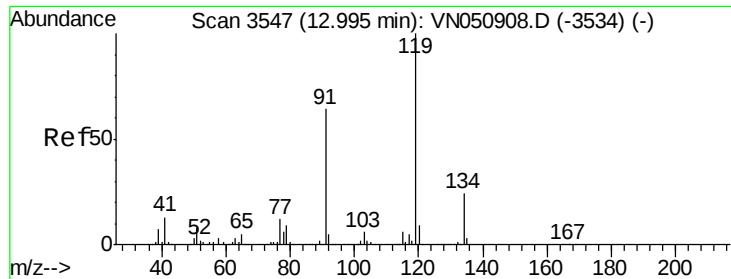


#78
4-Chlorotoluene
Concen: 18.54 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN050975.D
Acq: 30 Aug 2018 20:48

Tgt Ion: 91 Resp: 373653

Ion	Ratio	Lower	Upper
91	100		
126	35.0	0.0	69.8

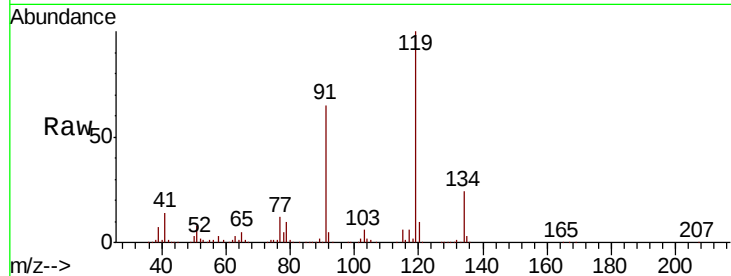




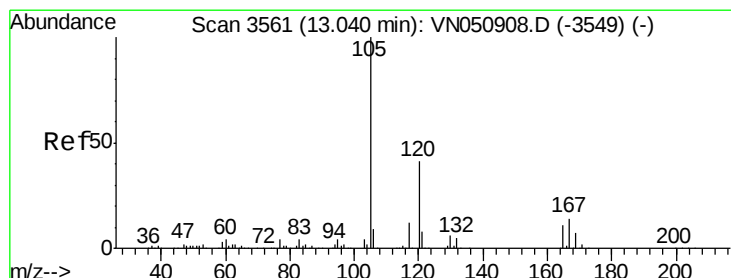
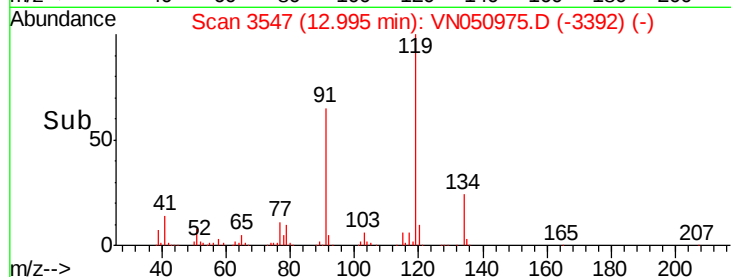
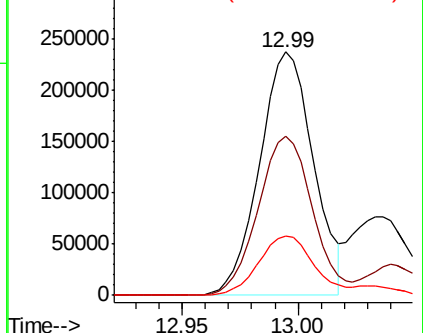
#79
tert-butylbenzene
Concen: 18.17 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN050975.D
Acq: 30 Aug 2018 20:48

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBSD02

Tot Ion:119 Resp: 384180
Ion Ratio Lower Upper
119 100
91 66.2 0.0 125.6
134 24.8 0.0 48.4

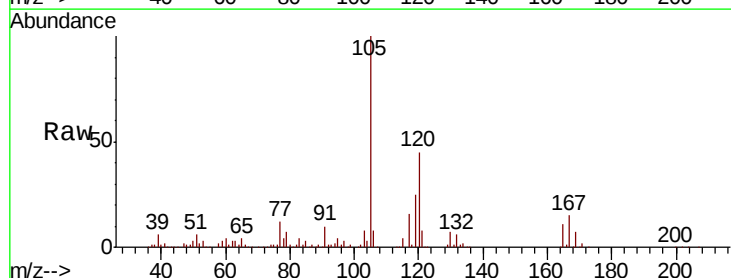


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

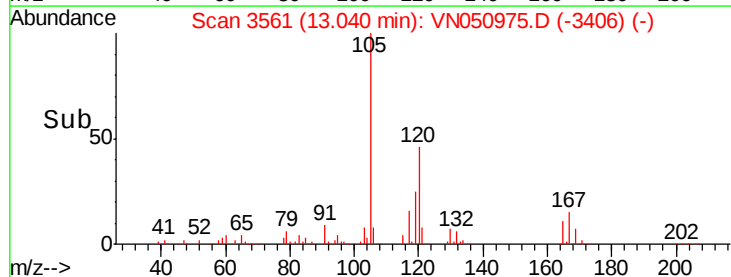
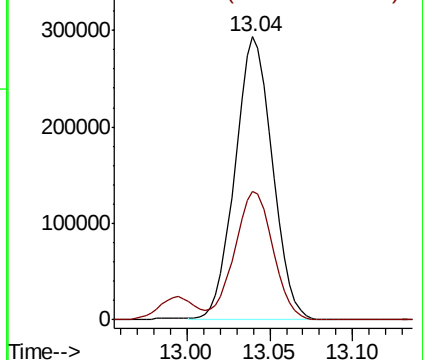


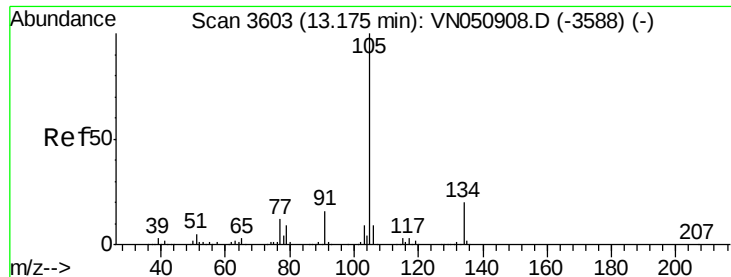
#80
1,2,4-Trimethylbenzene
Concen: 18.96 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN050975.D
Acq: 30 Aug 2018 20:48

Tgt Ion:105 Resp: 460343
Ion Ratio Lower Upper
105 100
120 46.6 0.0 93.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 18.56 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

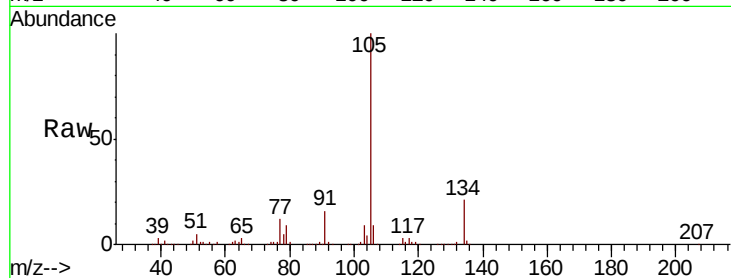
VN0830WBSD02

Tot Ion:105 Resp: 513424

Ion Ratio Lower Upper

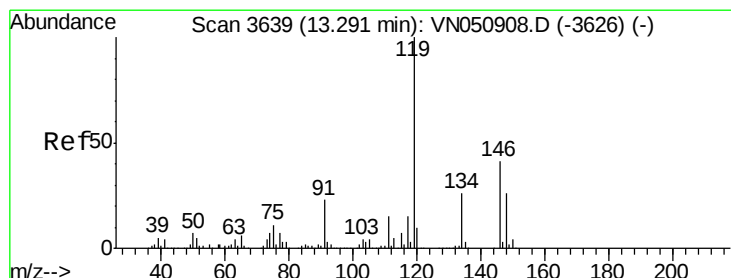
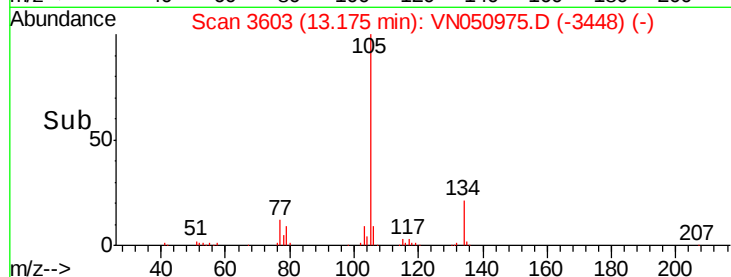
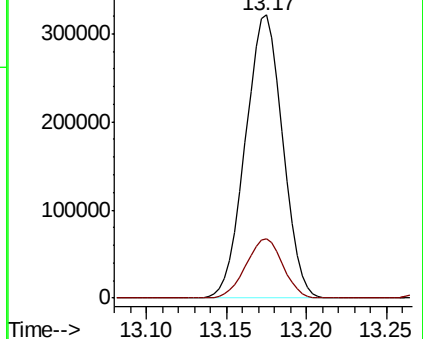
105 100

134 20.7 0.0 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 18.15 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

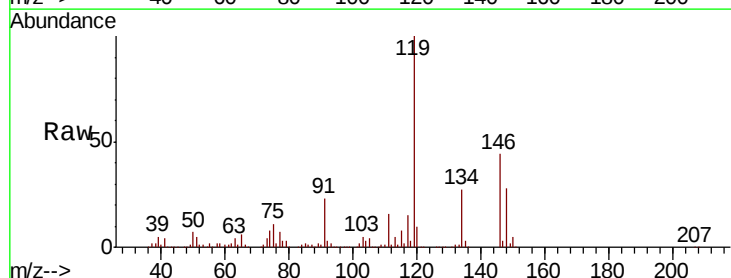
Tgt Ion:119 Resp: 433366

Ion Ratio Lower Upper

119 100

134 27.4 0.0 53.2

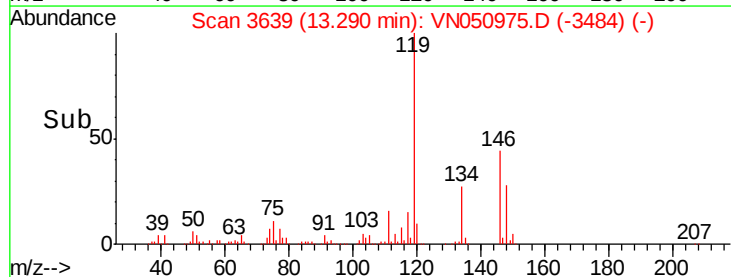
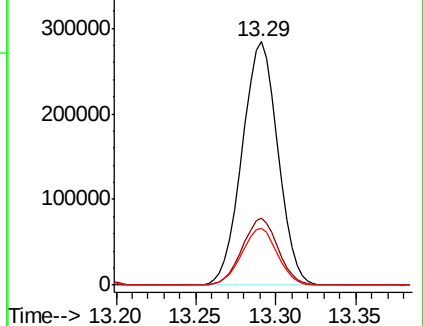
91 23.3 0.0 46.0

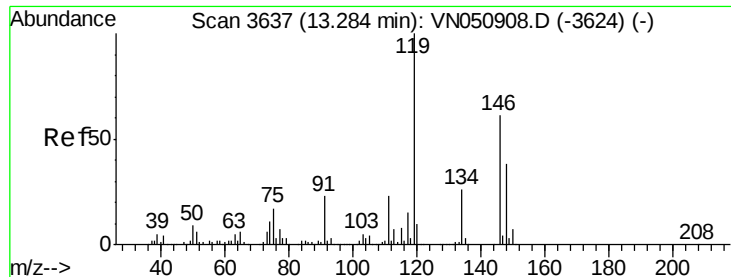


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 18.30 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD02

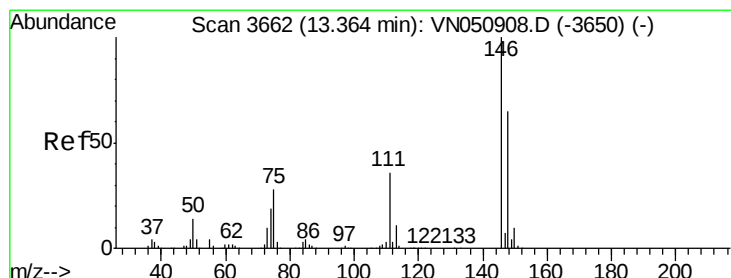
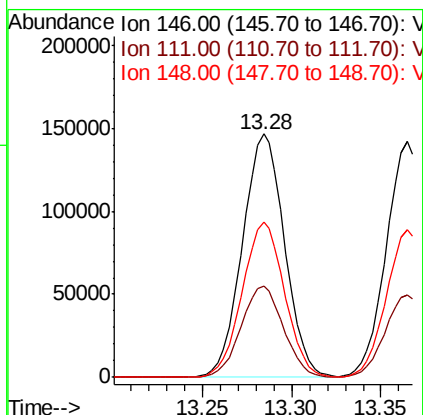
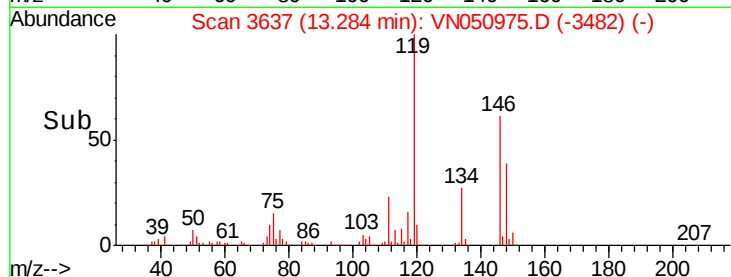
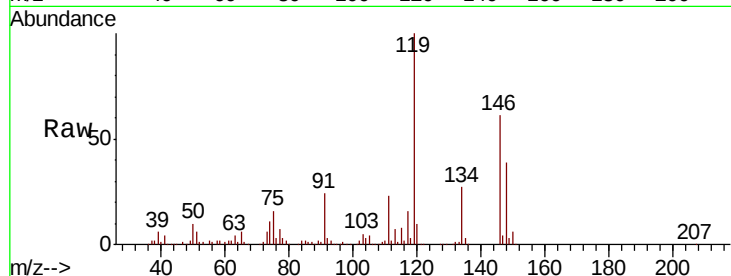
Tot Ion:146 Resp: 242520

Ion Ratio Lower Upper

146 100

111 37.5 18.6 55.6

148 64.2 31.8 95.3



#84

1,4-Dichlorobenzene

Concen: 18.26 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

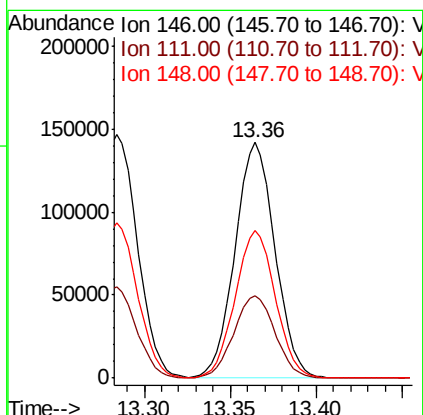
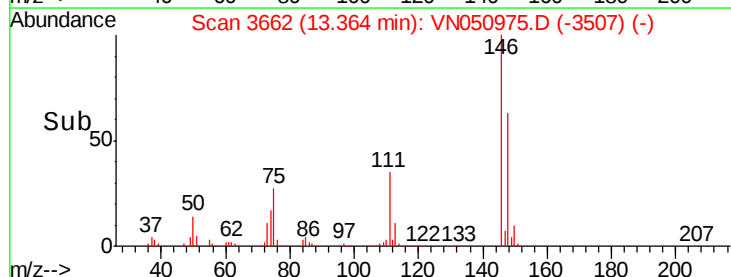
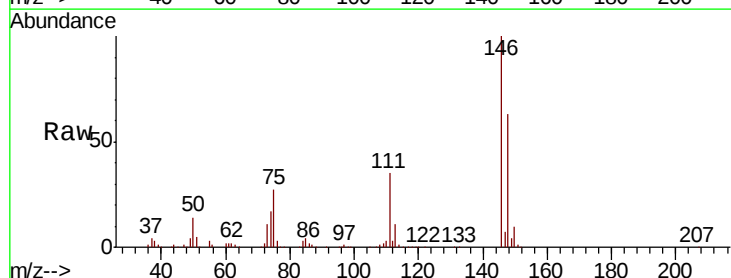
Tgt Ion:146 Resp: 229290

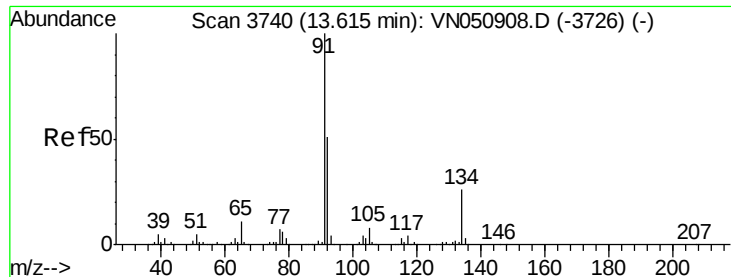
Ion Ratio Lower Upper

146 100

111 35.9 17.7 53.1

148 62.9 31.6 94.8





#85

n-Butylbenzene

Concen: 16.77 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD02

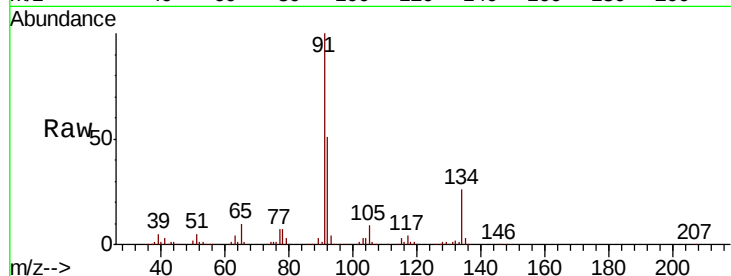
Tot Ion: 91 Resp: 305567

Ion Ratio Lower Upper

91 100

92 50.3 0.0 101.8

134 26.1 0.0 52.2

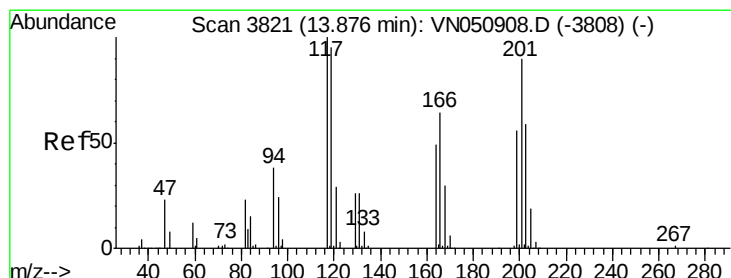
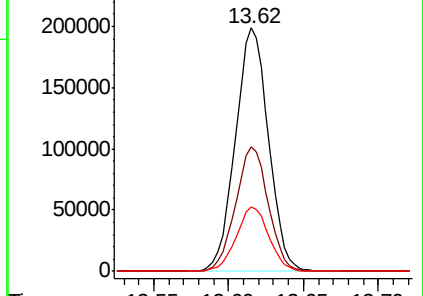
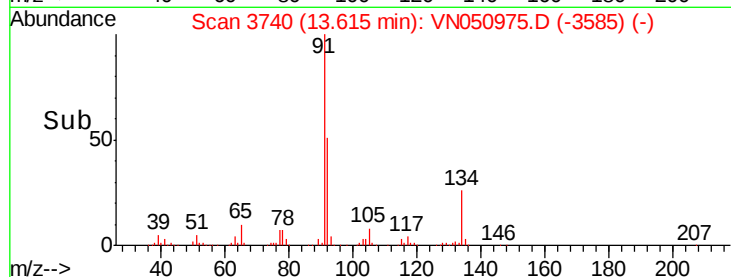


Abundance Ion 91.00 (90.70 to 91.70): VN050975.D (-3726) (-)

Ion 92.00 (91.70 to 92.70): VN050975.D (-3726) (-)

Ion 134.00 (133.70 to 134.70): VN050975.D (-3726) (-)

13.62



#86

Hexachloroethane

Concen: 18.95 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. -0.00 min

Lab File: VN050975.D

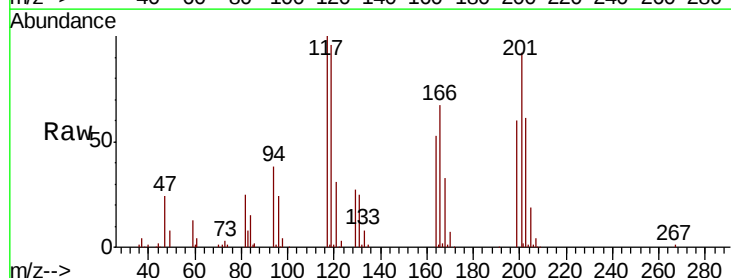
Acq: 30 Aug 2018 20:48

Tgt Ion: 117 Resp: 86850

Ion Ratio Lower Upper

117 100

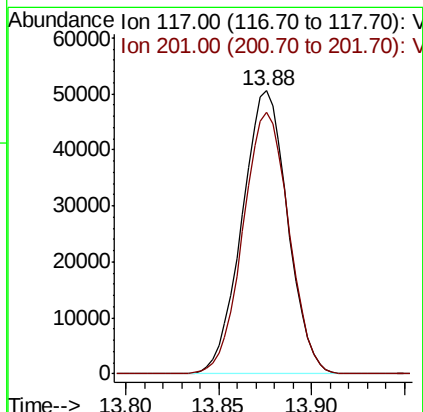
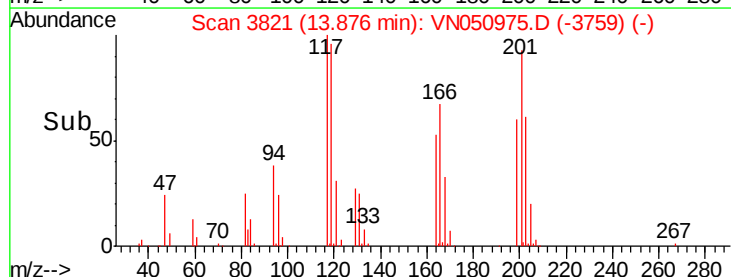
201 92.8 45.8 137.4

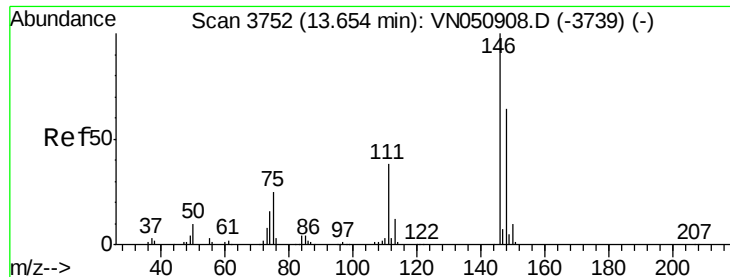


Abundance Ion 117.00 (116.70 to 117.70): VN050975.D (-3759) (-)

Ion 201.00 (200.70 to 201.70): VN050975.D (-3759) (-)

13.88





#87

1,2-Dichlorobenzene

Concen: 19.02 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD02

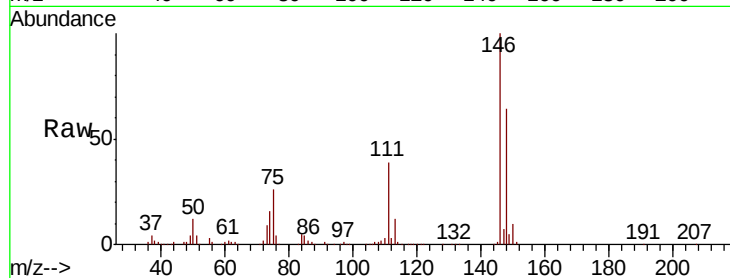
Tot Ion:146 Resp: 248059

Ion Ratio Lower Upper

146 100

111 38.9 19.1 57.1

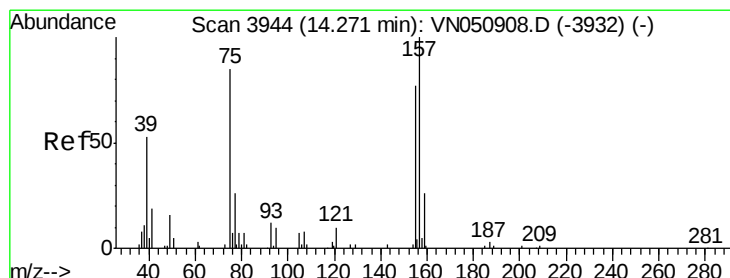
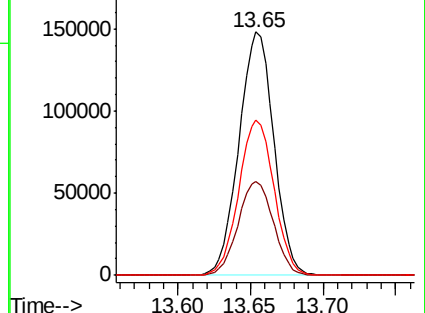
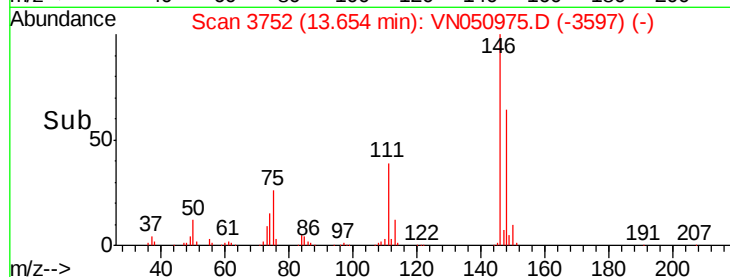
148 64.2 31.9 95.9



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: 18.68 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

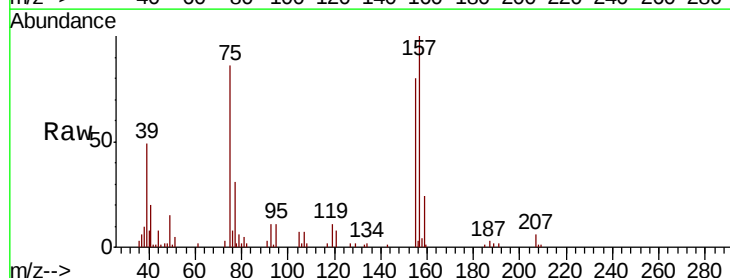
Tgt Ion: 75 Resp: 21083

Ion Ratio Lower Upper

75 100

155 94.0 71.8 107.6

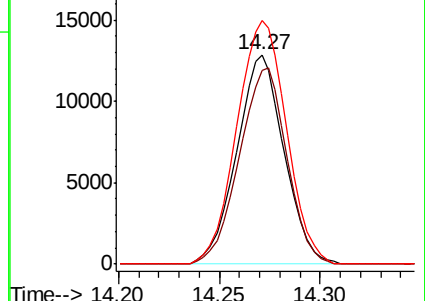
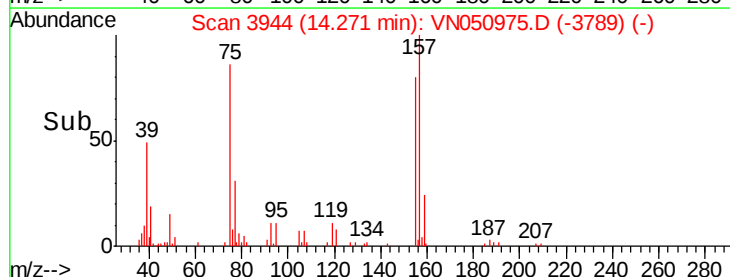
157 122.1 91.1 136.7

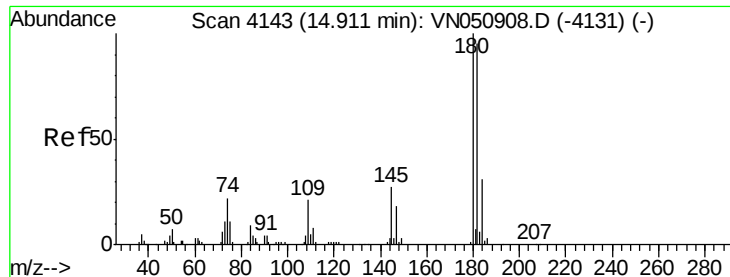


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

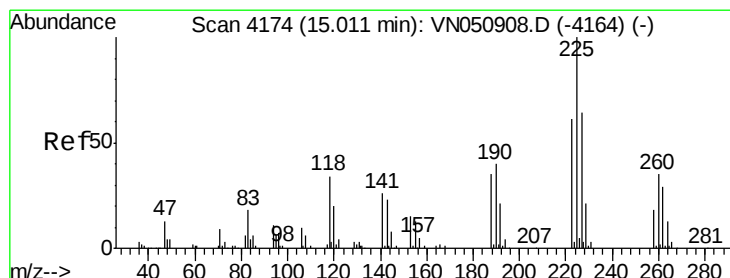
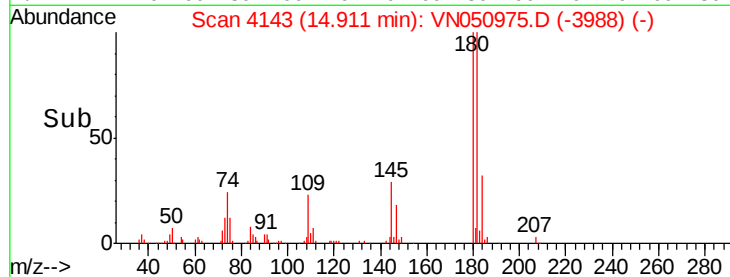
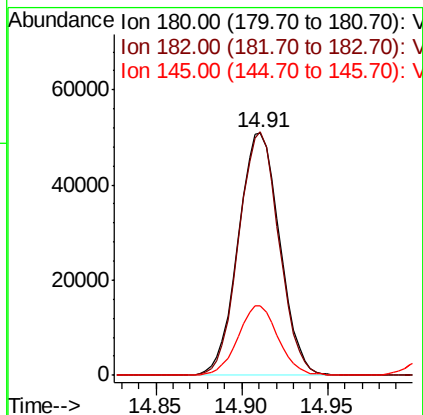
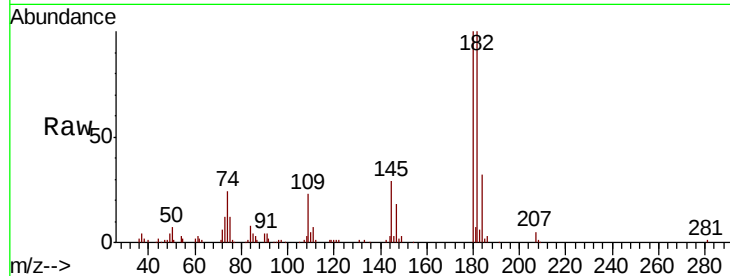




#89
 1,2,4-Trichlorobenzene
 Concen: 14.74 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050975.D
 Acq: 30 Aug 2018 20:48

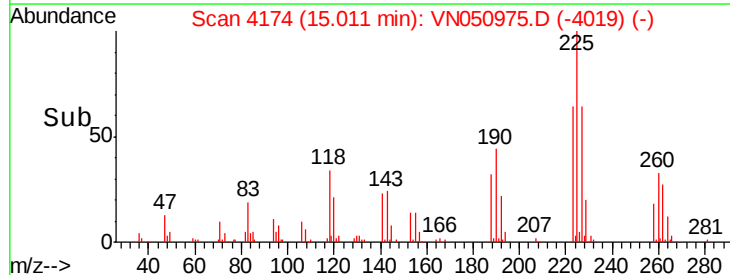
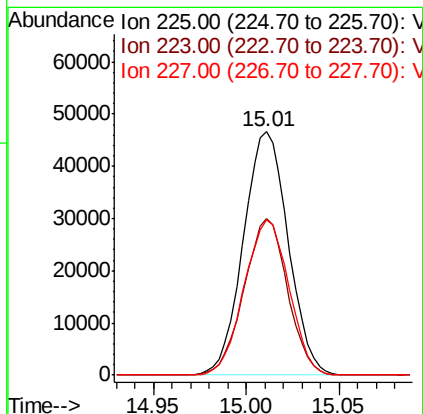
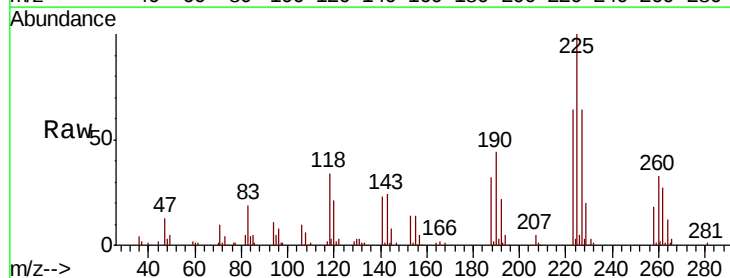
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBSD02

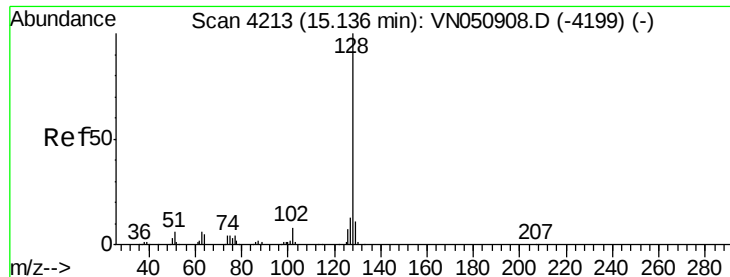
Tot Ion:180 Resp: 85599
 Ion Ratio Lower Upper
 180 100
 182 97.1 76.2 114.4
 145 27.8 22.2 33.4



#90
 Hexachlorobutadiene
 Concen: 19.90 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050975.D
 Acq: 30 Aug 2018 20:48

Tgt Ion:225 Resp: 78521
 Ion Ratio Lower Upper
 225 100
 223 62.5 0.0 127.8
 227 63.8 0.0 128.4





#91

Naphthalene

Concen: 17.75 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBSD02

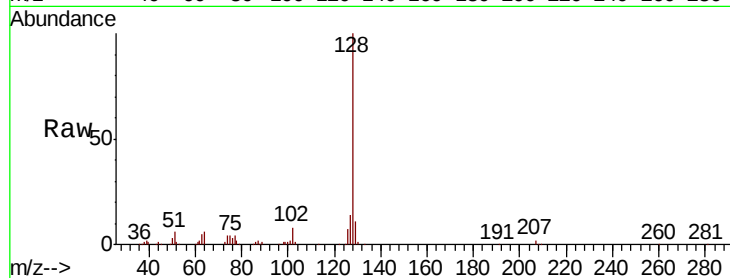
Tot Ion:128 Resp: 166599

Ion Ratio Lower Upper

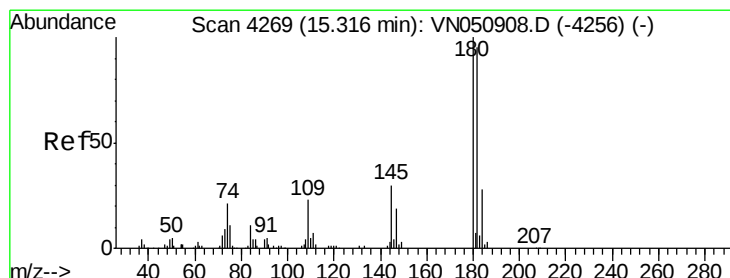
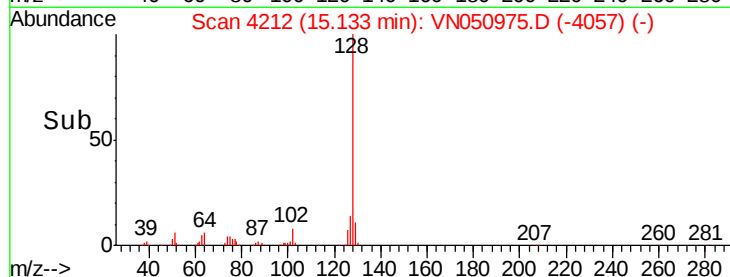
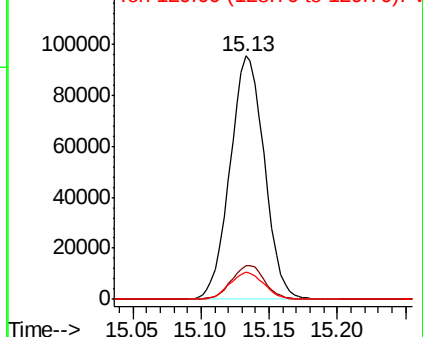
128 100

127 13.6 10.6 16.0

129 11.1 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: 16.39 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050975.D

Acq: 30 Aug 2018 20:48

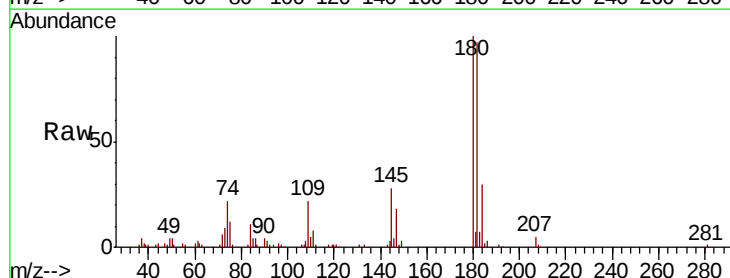
Tgt Ion:180 Resp: 95534

Ion Ratio Lower Upper

180 100

182 95.0 0.0 192.8

145 29.4 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

