

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022719\
 Data File : VN053991.D
 Acq On : 28 Feb 2019 1:32
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 28 07:24:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	591887	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	999867	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	887572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	408713	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	376091	54.21	ug/l	0.00
Spiked Amount			Recovery	=	108.42%	
35) Dibromofluoromethane	7.59	113	329233	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
50) Toluene-d8	10.09	98	1210657	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.40	95	405327	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	263706	48.411	ug/l	100
3) Chloromethane	2.06	50	391081	51.759	ug/l	98
4) Vinyl Chloride	2.18	62	388201	51.278	ug/l	99
5) Bromomethane	2.57	94	237664	47.402	ug/l	100
6) Chloroethane	2.71	64	231926	49.259	ug/l	99
7) Trichlorofluoromethane	3.02	101	474692	49.081	ug/l	99
8) Diethyl Ether	3.41	74	193626	53.436	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.76	101	291273	47.684	ug/l	94
10) Methyl Iodide	3.95	142	445330	55.484	ug/l	98
11) Tert butyl alcohol	4.78	59	135223	307.435	ug/l	98
12) 1,1-Dichloroethene	3.74	96	291707	49.926	ug/l	90
13) Acrolein	3.61	56	135420	297.374	ug/l	100
14) Allyl chloride	4.32	41	546411	53.320	ug/l	96
15) Acrylonitrile	4.99	53	671467	289.652	ug/l	99
16) Acetone	3.81	43	474688	258.889	ug/l	94
17) Carbon Disulfide	4.05	76	896044	47.538	ug/l	99
18) Methyl Acetate	4.32	43	285128	58.771	ug/l	94
19) Methyl tert-butyl Ether	5.04	73	883577	56.372	ug/l	99
20) Methylene Chloride	4.55	84	350771	51.081	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	323240	51.114	ug/l	91
22) Diisopropyl ether	5.95	45	1120475	56.675	ug/l	96
23) Vinyl Acetate	5.89	43	4055986	285.185	ug/l	95
24) 1,1-Dichloroethane	5.85	63	634992	52.375	ug/l	98
25) 2-Butanone	6.83	43	769819	282.576	ug/l	96
26) 2,2-Dichloropropane	6.82	77	387566	44.995	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	369516	52.541	ug/l	95
28) Bromochloromethane	7.19	49	305385	55.030	ug/l	# 80
29) Tetrahydrofuran	7.21	42	535015	294.905	ug/l	91
30) Chloroform	7.37	83	616800	52.467	ug/l	98
31) Cyclohexane	7.65	56	576409	51.968	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	502008	51.790	ug/l	97
36) 1,1-Dichloropropene	7.79	75	465550	50.068	ug/l	96
37) Ethyl Acetate	6.93	43	346685	52.217	ug/l	98
38) Carbon Tetrachloride	7.77	117	437250	45.214	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	517277	46.155	ug/l	94
40) Benzene	8.04	78	1421668	49.769	ug/l	99
41) Methacrylonitrile	7.17	41	168673	39.454	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	447998	50.658	ug/l	97
43) Isopropyl Acetate	8.16	43	594458	53.029	ug/l #	90
44) Trichloroethene	8.83	130	365102	48.212	ug/l	96
45) 1,2-Dichloropropane	9.12	63	388061	50.354	ug/l	99
46) Dibromomethane	9.21	93	223879	50.038	ug/l	93
47) Bromodichloromethane	9.40	83	468553	49.693	ug/l	99
48) Methyl methacrylate	9.20	41	288295	55.911	ug/l	93
49) 1,4-Dioxane	9.20	88	82650	1183.438	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1662636	288.626	ug/l	95
52) Toluene	10.16	92	842588	50.094	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	473940	51.659	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	543031	50.209	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	315542	50.232	ug/l	99
56) Ethyl methacrylate	10.43	69	409609	49.741	ug/l	89
57) 1,3-Dichloropropane	10.71	76	544142	51.268	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	998005	259.698	ug/l	95
59) 2-Hexanone	10.75	43	1066312	284.613	ug/l	94
60) Dibromochloromethane	10.90	129	347518	49.779	ug/l	99
61) 1,2-Dibromoethane	11.01	107	305980	50.495	ug/l	99
64) Tetrachloroethene	10.63	164	362959	48.293	ug/l	98
65) Chlorobenzene	11.43	112	892978	47.671	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	331431	49.093	ug/l	100
67) Ethyl Benzene	11.51	91	1549117	49.331	ug/l	99
68) m/p-Xylenes	11.62	106	1172906	98.962	ug/l	96
69) o-Xylene	11.95	106	577481	49.588	ug/l	98
70) Styrene	11.96	104	936623	52.289	ug/l	99
71) Bromoform	12.13	173	237773	50.626	ug/l #	99
73) Isopropylbenzene	12.25	105	1496012	47.021	ug/l	99
74) N-amyl acetate	12.07	43	471507	56.544	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	393448	49.453	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	479173	73.084	ug/l #	100
77) Bromobenzene	12.53	156	378766	46.890	ug/l	88
78) n-propylbenzene	12.59	91	1745210	48.233	ug/l	97
79) 2-Chlorotoluene	12.68	91	1045356	48.094	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1282316	49.232	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	103638	49.960	ug/l	96
82) 4-Chlorotoluene	12.77	91	1050476	48.900	ug/l	96
83) tert-Butylbenzene	12.99	119	1102686	47.867	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	1295167	49.808	ug/l	99
85) sec-Butylbenzene	13.17	105	1516148	48.187	ug/l	98
86) p-Isopropyltoluene	13.29	119	1289924	48.496	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	671844	48.079	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	646259	47.670	ug/l	99
89) n-Butylbenzene	13.62	91	1115079	49.744	ug/l	99
90) Hexachloroethane	13.88	117	231652	44.943	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	658273	48.665	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	59156	52.615	ug/l	90

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QLast Update : Thu Feb 28 04:05:45 2019
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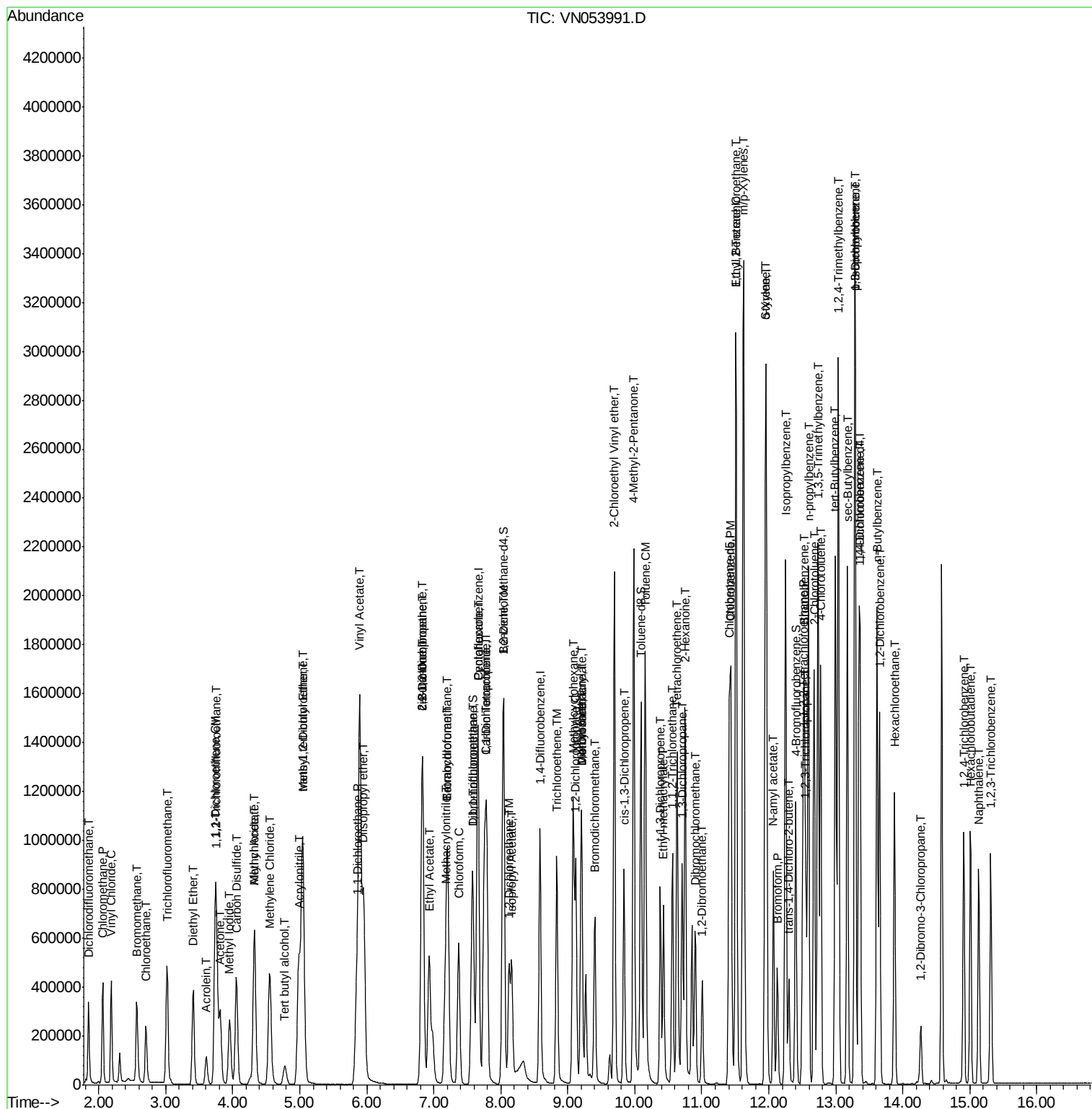
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	342919	45.841	ug/l	98
94) Hexachlorobutadiene	15.01	225	218568	44.732	ug/l	98
95) Naphthalene	15.13	128	749828	46.570	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	342820	47.651	ug/l	99

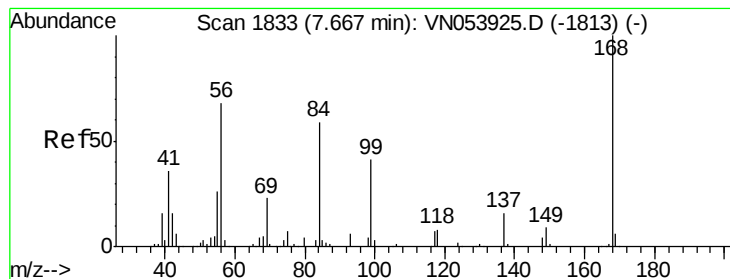
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

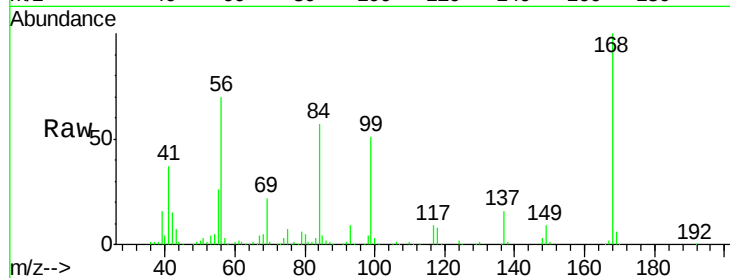
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 591887

Ion Ratio Lower Upper

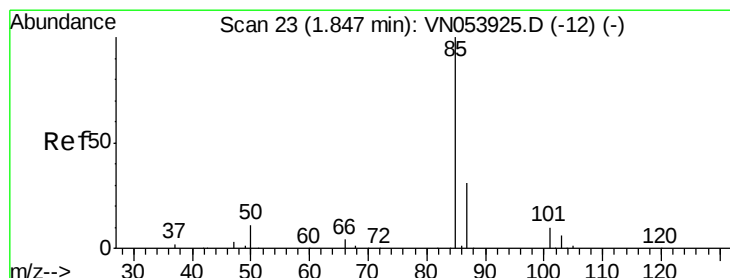
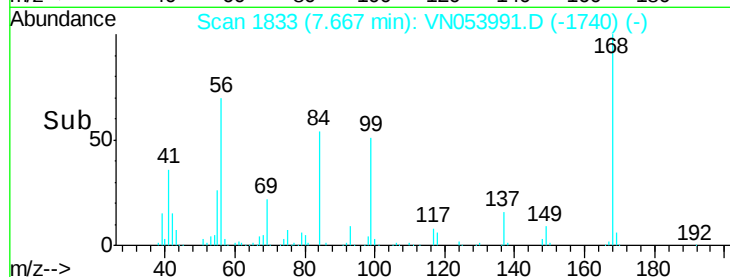
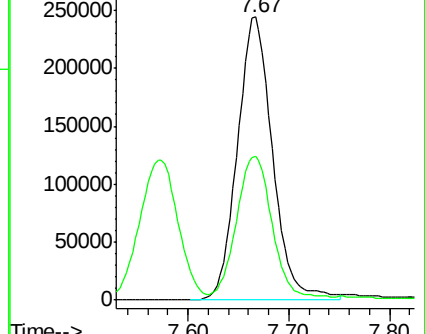
168 100

99 49.4 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.411 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN053991.D

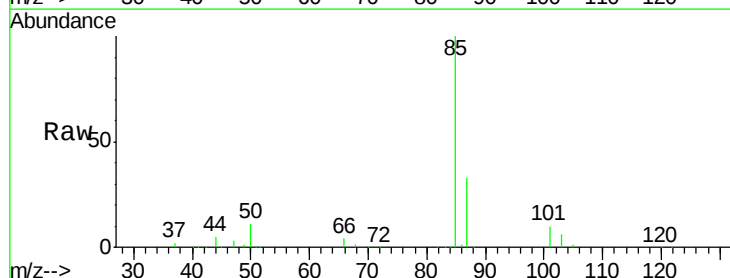
Acq: 28 Feb 2019 1:32

Tgt Ion: 85 Resp: 263706

Ion Ratio Lower Upper

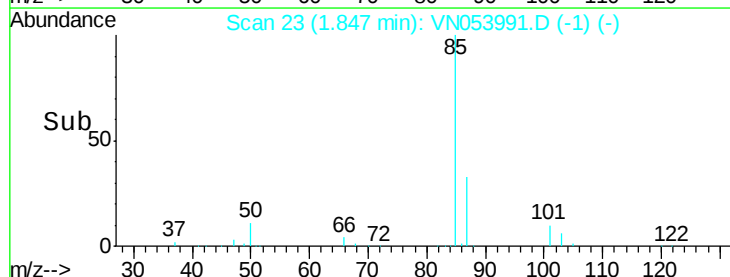
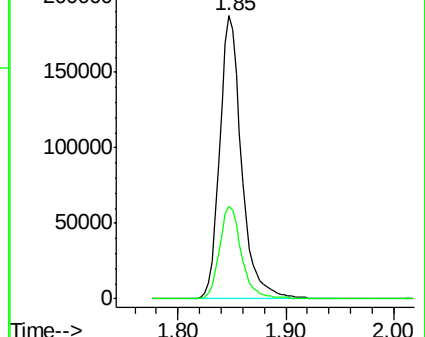
85 100

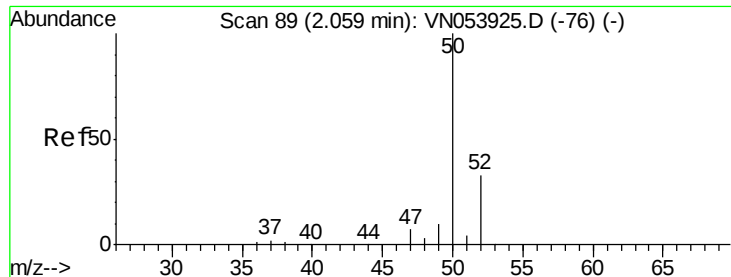
87 32.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 51.759 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

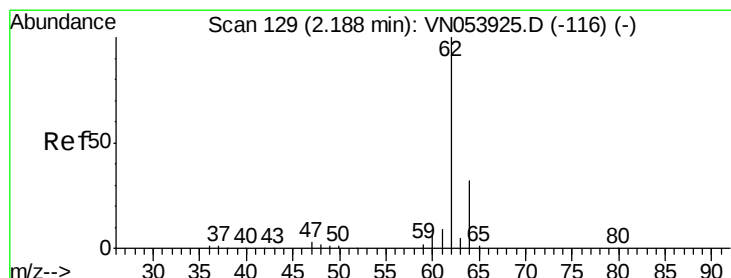
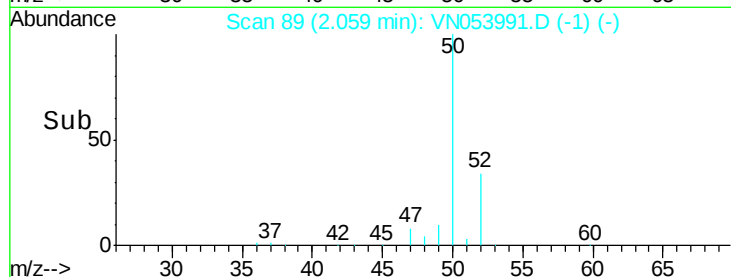
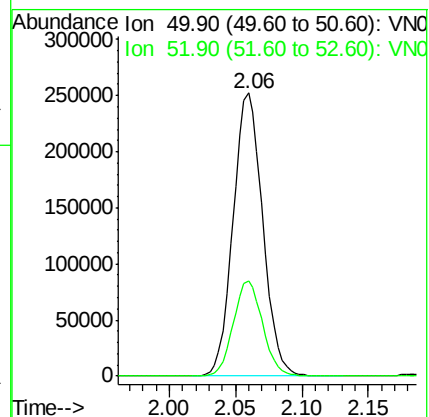
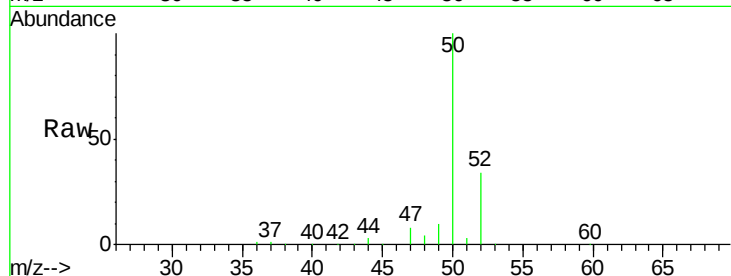
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 391081

Ion Ratio Lower Upper

50 100

52 33.6 26.0 39.0



#4

Vinyl Chloride

Concen: 51.278 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN053991.D

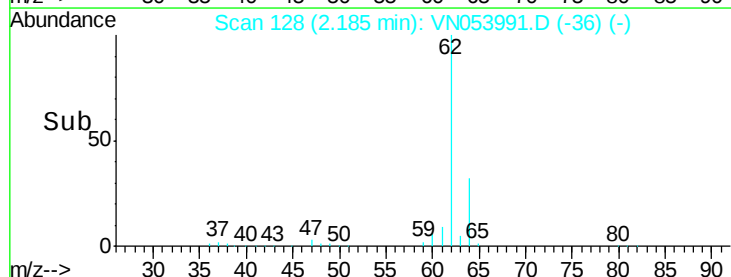
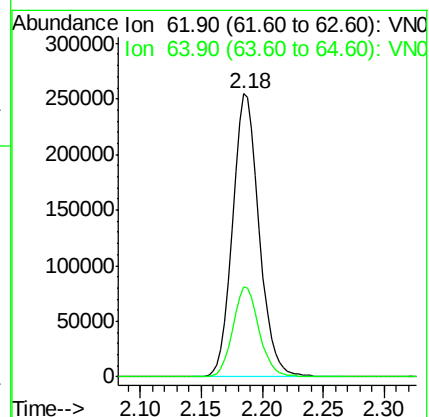
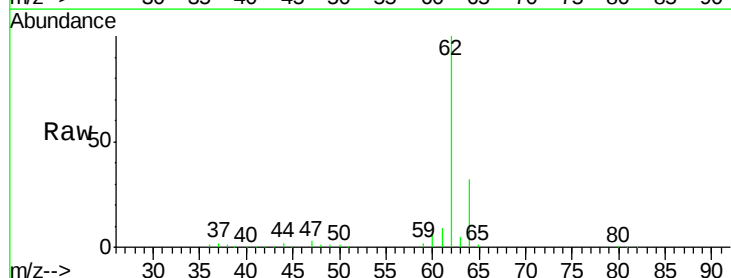
Acq: 28 Feb 2019 1:32

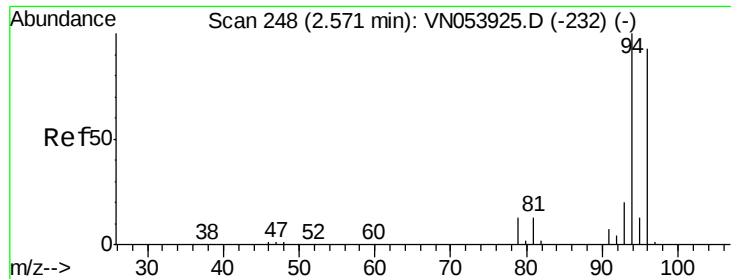
Tgt Ion: 62 Resp: 388201

Ion Ratio Lower Upper

62 100

64 31.7 25.1 37.7

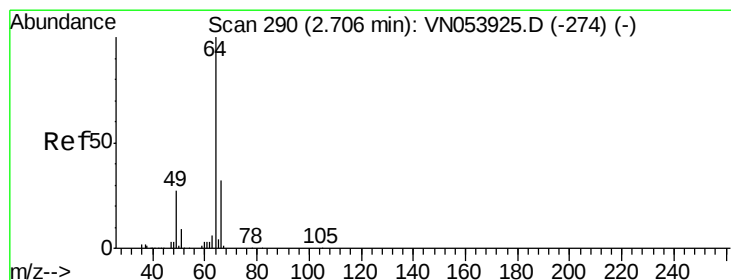
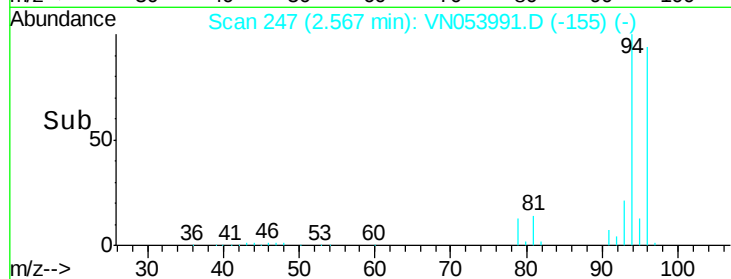
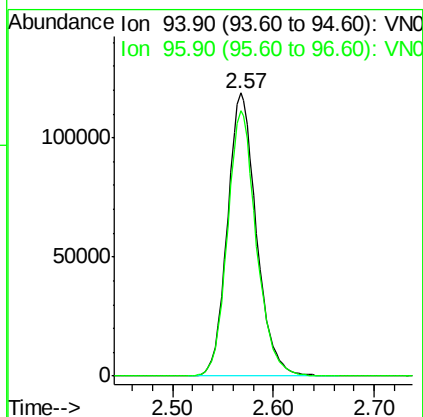
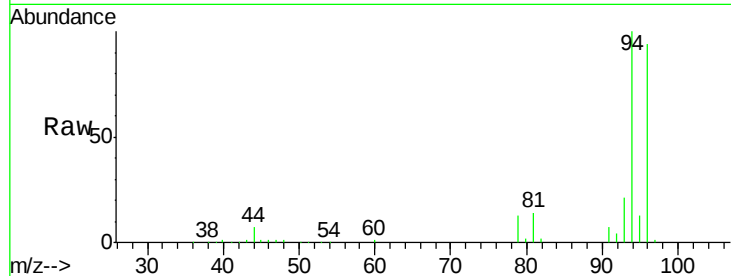




#5
Bromomethane
Concen: 47.402 ug/l
RT: 2.57 min Scan# 247
Delta R.T. -0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

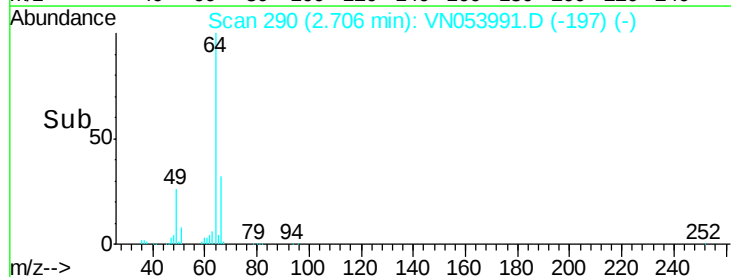
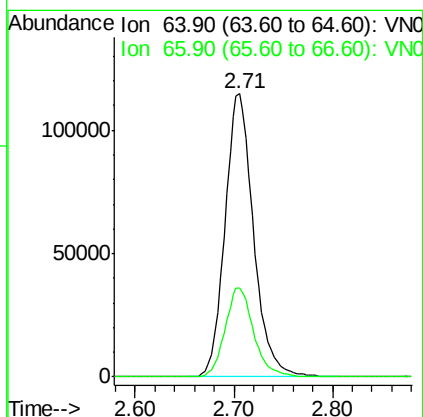
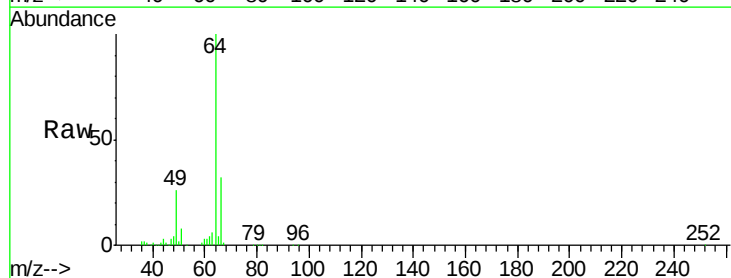
Instrument :
MSVOA_N
ClientSampled :

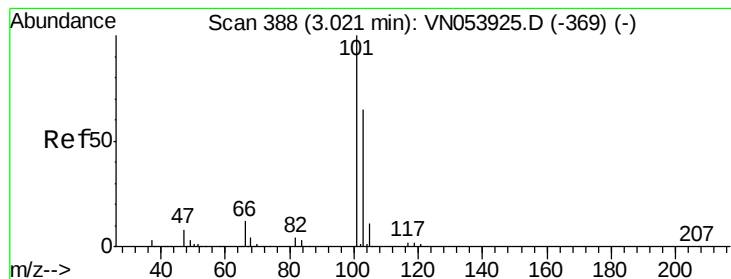
Tot Ion: 94 Resp: 237664
Ion Ratio Lower Upper
94 100
96 93.8 74.9 112.3



#6
Chloroethane
Concen: 49.259 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion: 64 Resp: 231926
Ion Ratio Lower Upper
64 100
66 31.6 25.5 38.3



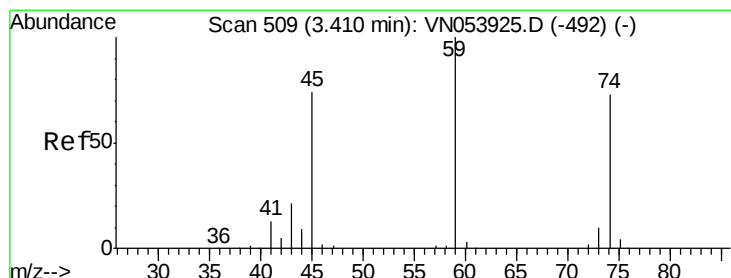
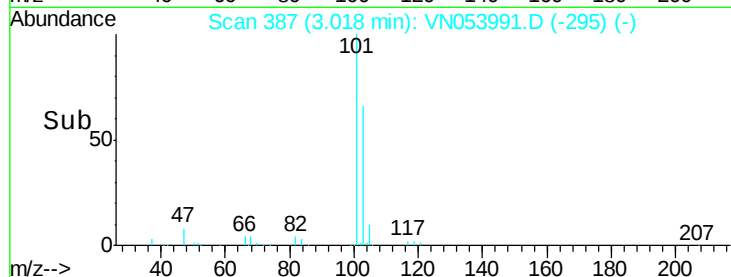
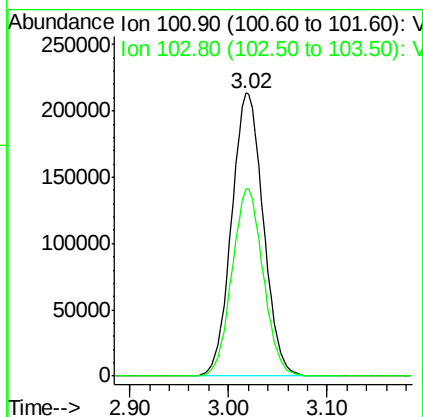
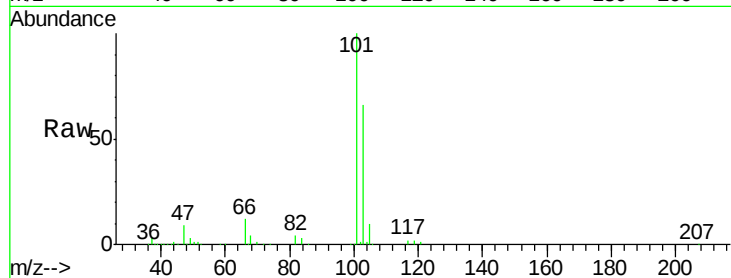


#7

Trichlorofluoromethane
Concen: 49.081 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Instrument :
MSVOA_N
ClientSampleId :

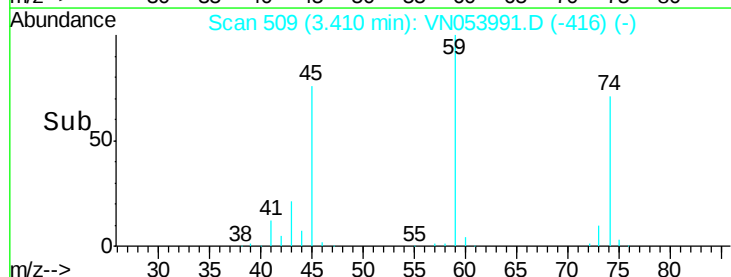
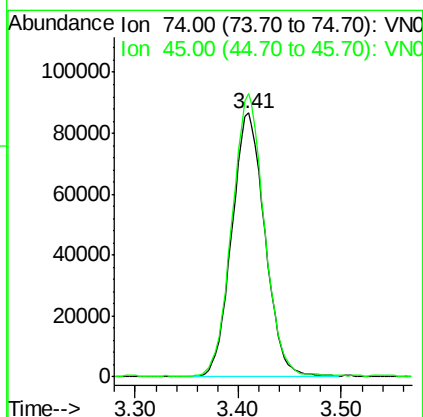
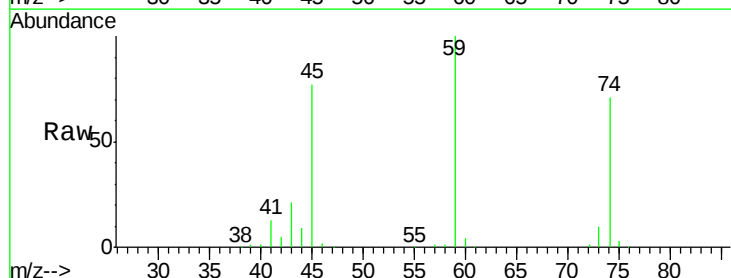
Tot Ion:101 Resp: 474692
Ion Ratio Lower Upper
101 100
103 66.1 51.9 77.9

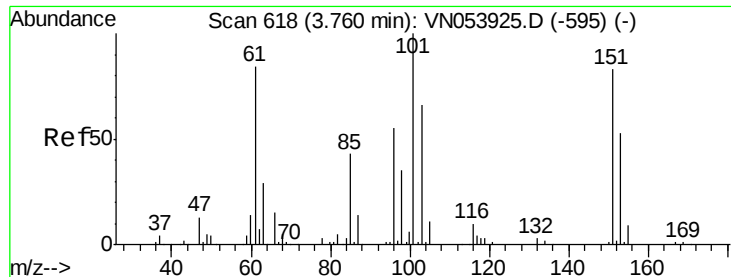


#8

Diethyl Ether
Concen: 53.436 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion: 74 Resp: 193626
Ion Ratio Lower Upper
74 100
45 104.5 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.684 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

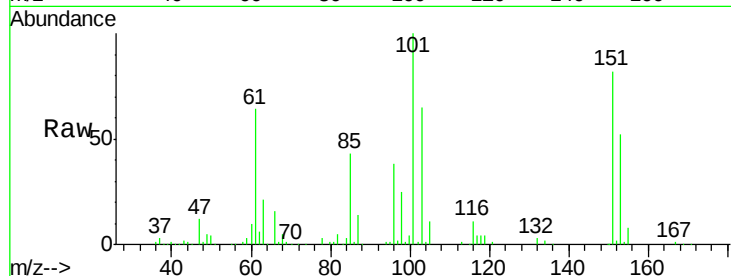
Tot Ion:101 Resp: 291273

Ion Ratio Lower Upper

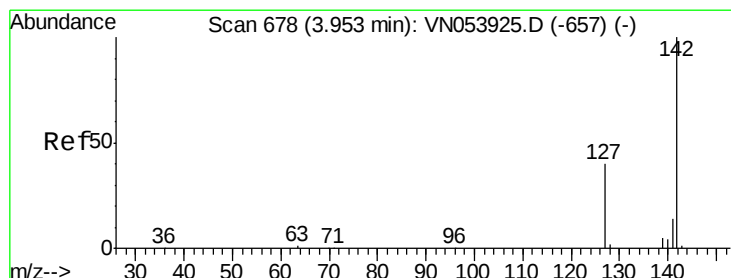
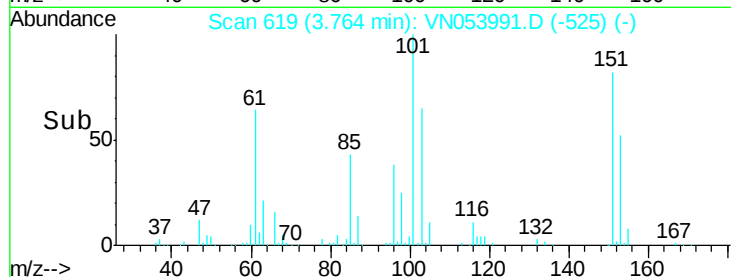
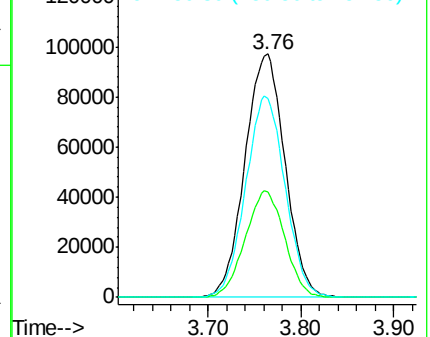
101 100

85 43.0 32.5 48.7

151 81.5 70.2 105.2



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.484 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

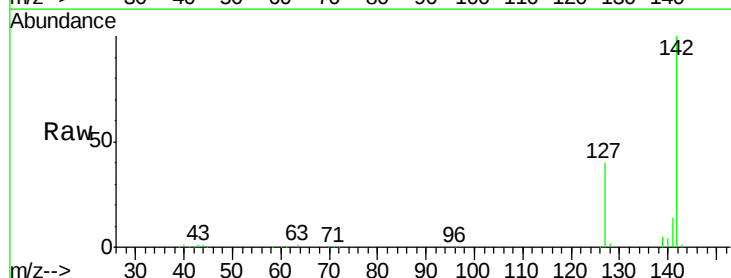
Tgt Ion:142 Resp: 445330

Ion Ratio Lower Upper

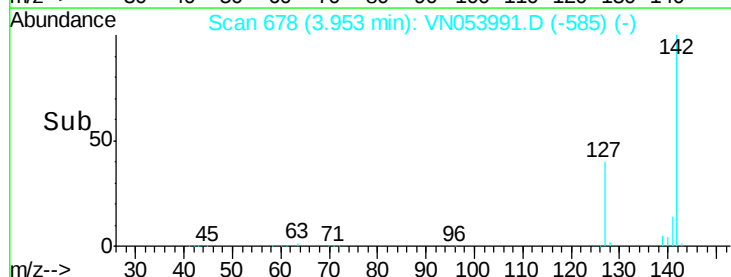
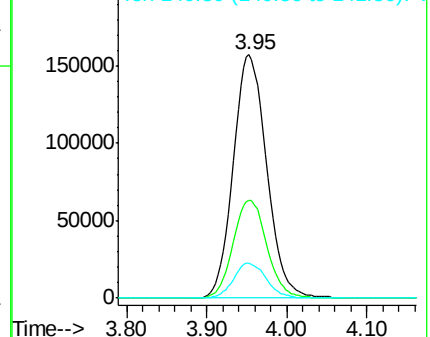
142 100

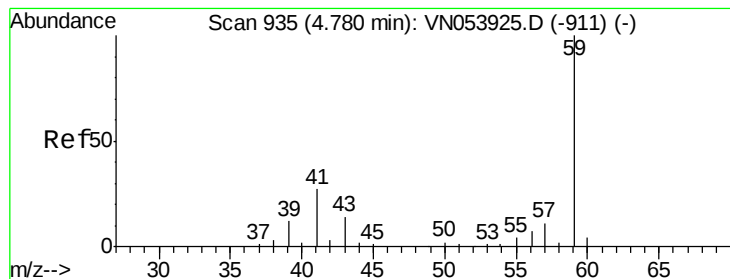
127 40.7 31.0 46.4

141 14.2 11.3 16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



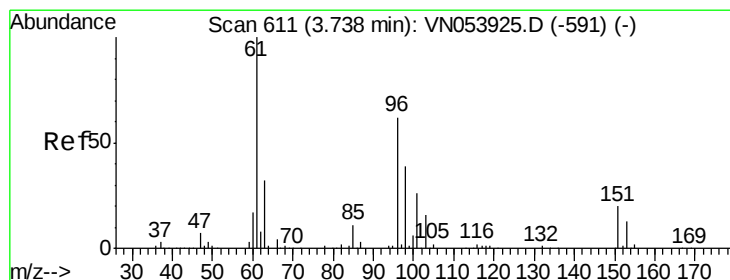
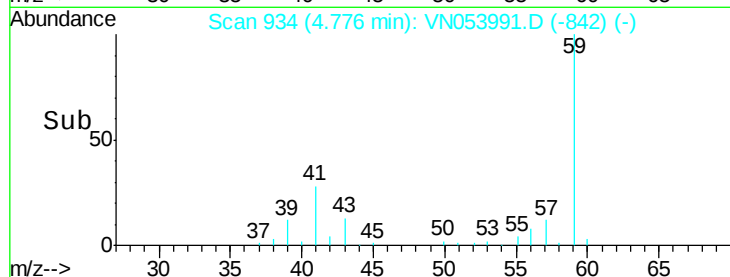
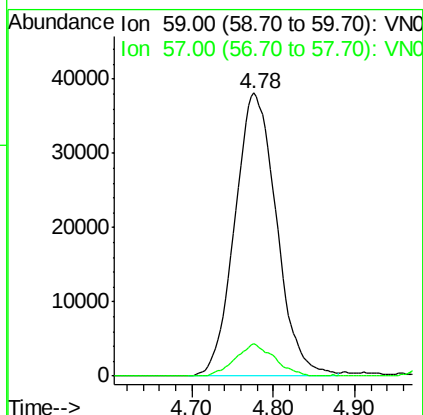
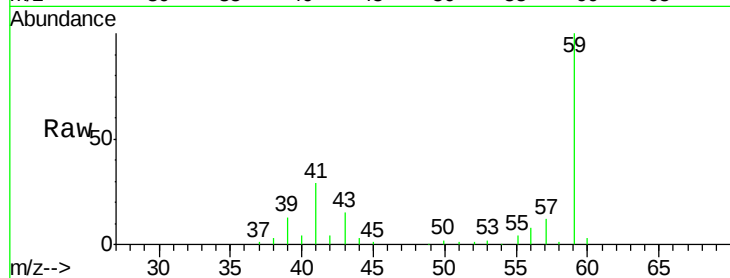


#11

Tert butyl alcohol
Concen: 307.435 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Instrument :
MSVOA_N
ClientSampleId :

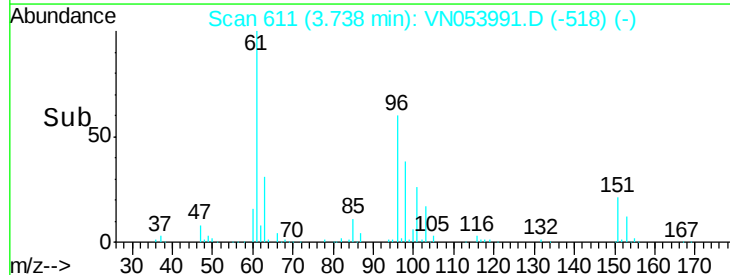
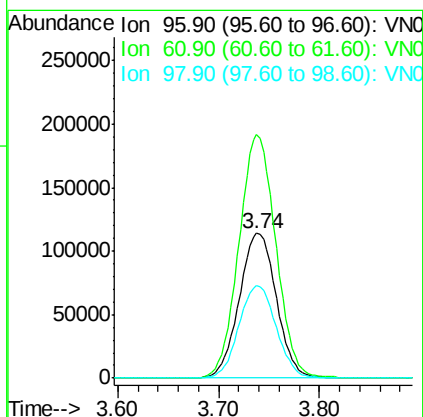
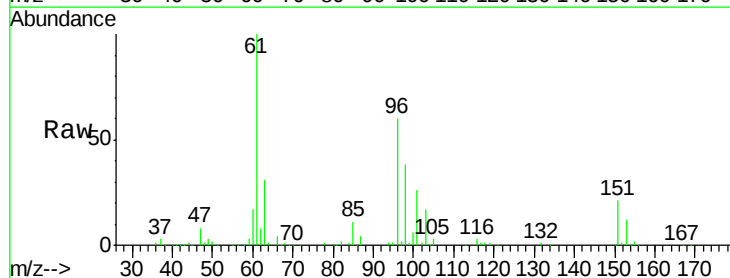
Tot Ion: 59 Resp: 135223
Ion Ratio Lower Upper
59 100
57 10.7 8.1 12.1

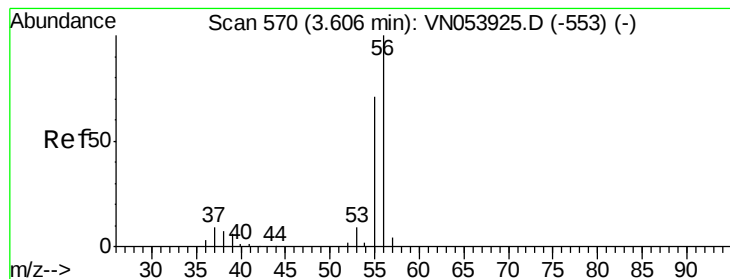


#12

1,1-Dichloroethene
Concen: 49.926 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion: 96 Resp: 291707
Ion Ratio Lower Upper
96 100
61 167.9 121.0 181.4
98 63.6 52.2 78.2





#13

Acrolein

Concen: 297.374 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

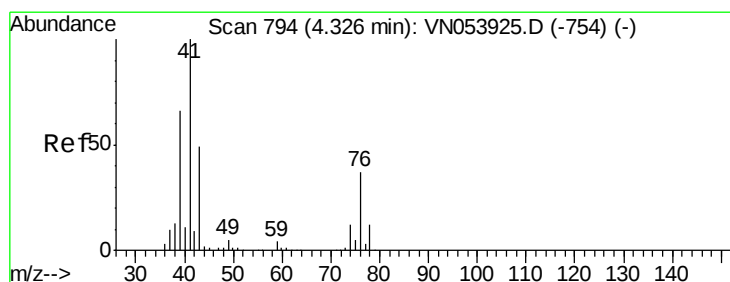
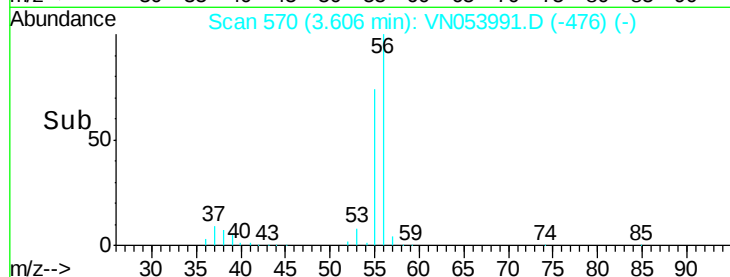
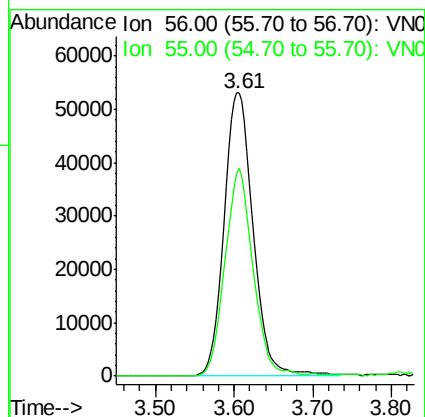
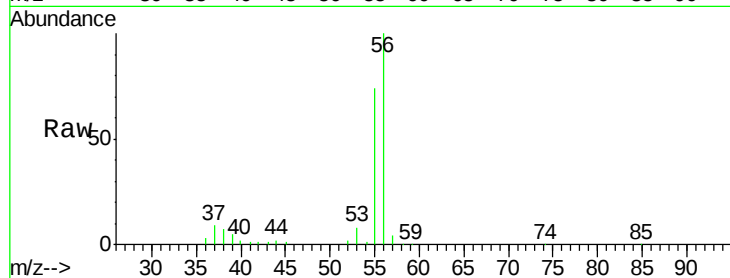
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 135420

Ion Ratio Lower Upper

56 100

55 70.5 56.3 84.5



#14

Allyl chloride

Concen: 53.320 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

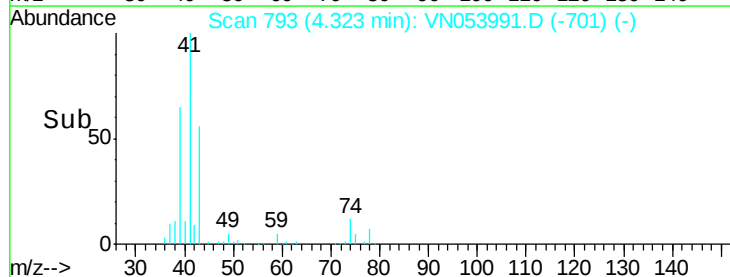
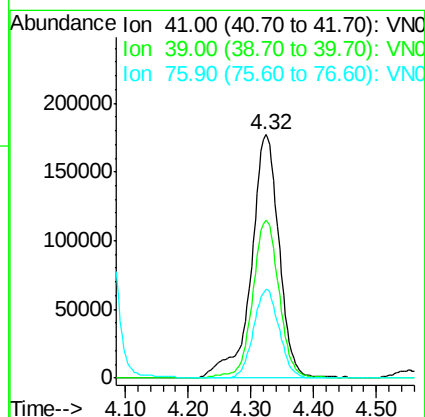
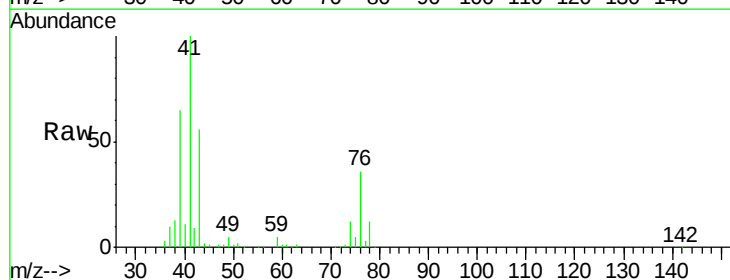
Tgt Ion: 41 Resp: 546411

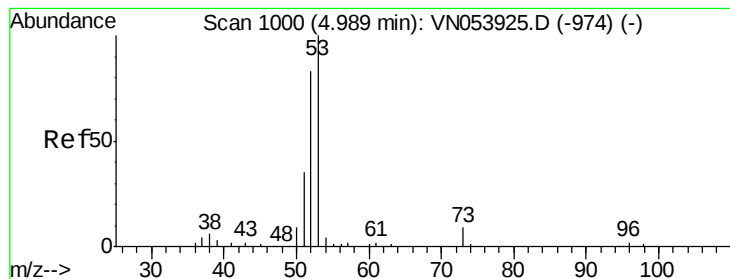
Ion Ratio Lower Upper

41 100

39 61.6 48.8 73.2

76 33.2 30.9 46.3





#15

Acrylonitrile

Concen: 289.652 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

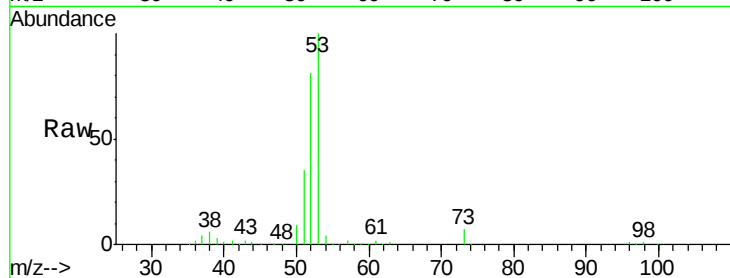
Tot Ion: 53 Resp: 671467

Ion Ratio Lower Upper

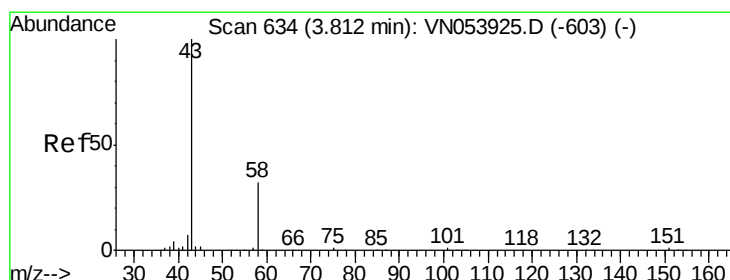
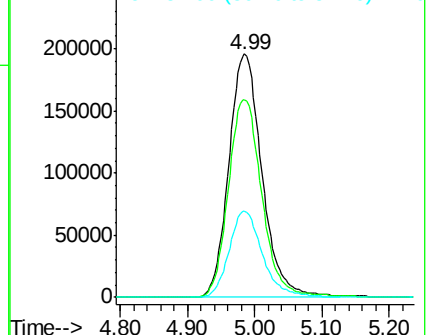
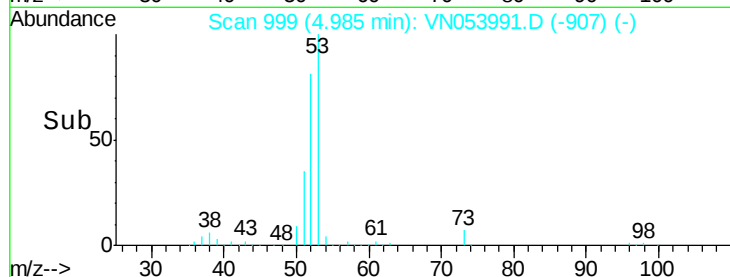
53 100

52 82.0 65.1 97.7

51 35.6 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN053991.D (-907) (-)



#16

Acetone

Concen: 258.889 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN053991.D

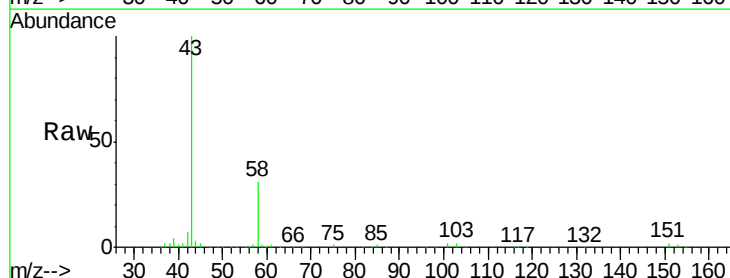
Acq: 28 Feb 2019 1:32

Tgt Ion: 43 Resp: 474688

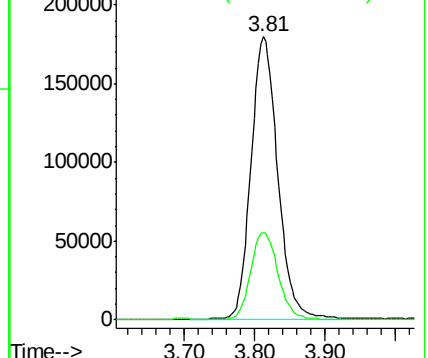
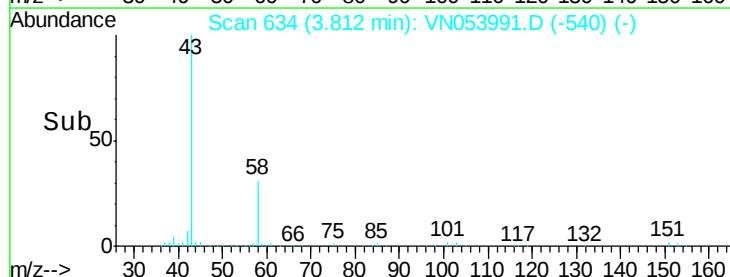
Ion Ratio Lower Upper

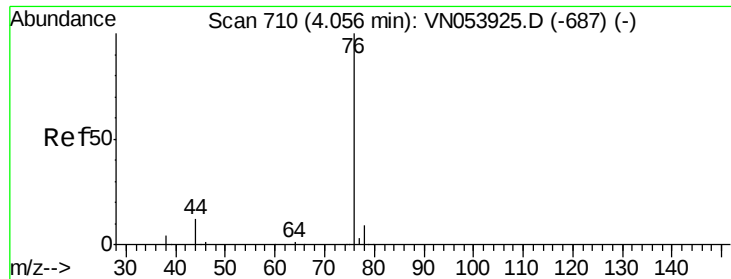
43 100

58 30.8 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VN053991.D (-540) (-)

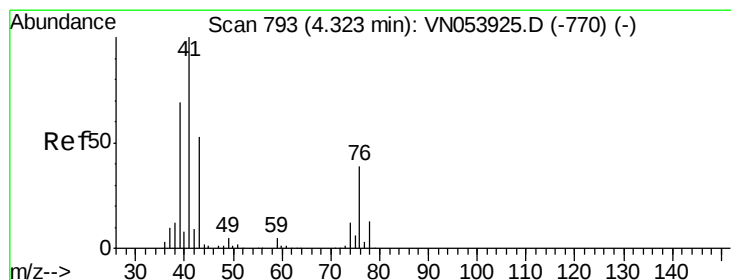
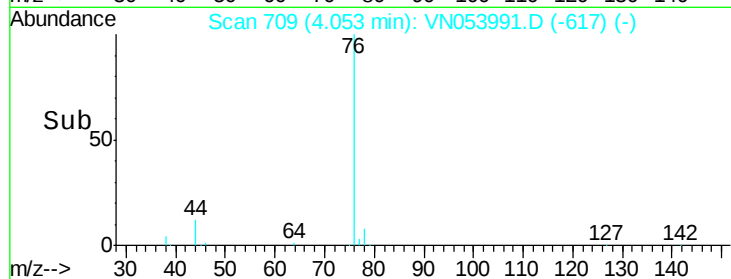
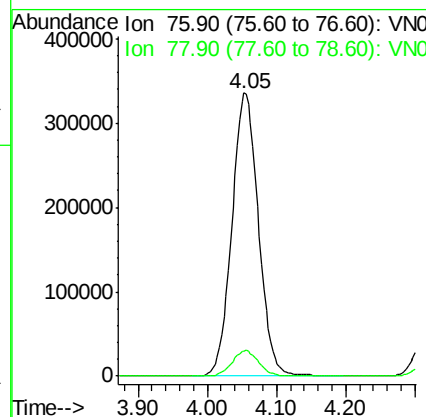
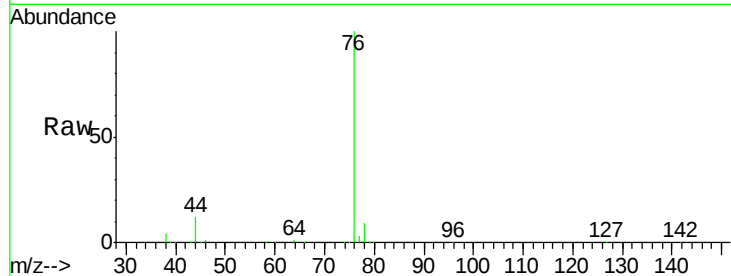




#17
Carbon Disulfide
Concen: 47.538 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

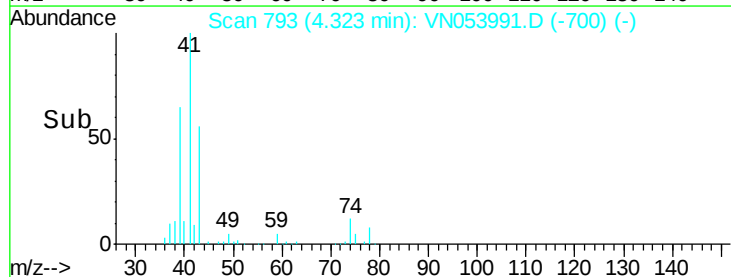
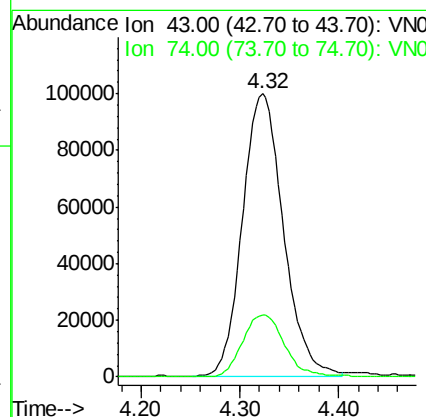
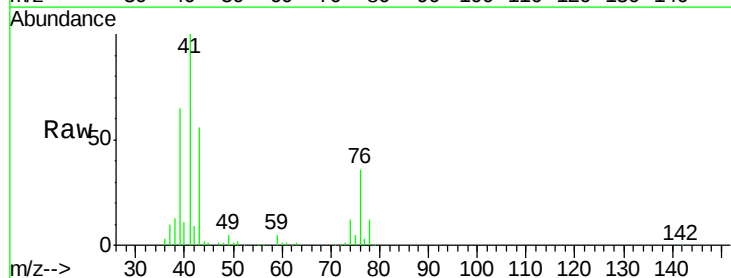
Instrument :
MSVOA_N
ClientSampled :

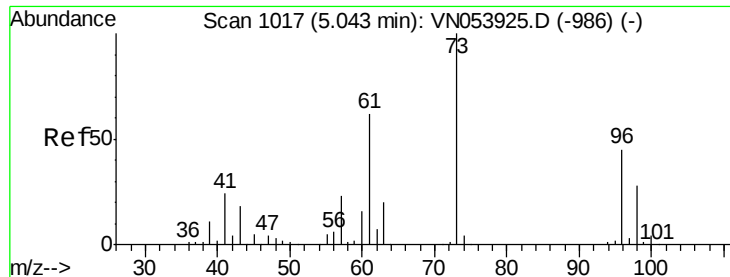
Tot Ion: 76 Resp: 896044
Ion Ratio Lower Upper
76 100
78 8.9 7.5 11.3



#18
Methyl Acetate
Concen: 58.771 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion: 43 Resp: 285128
Ion Ratio Lower Upper
43 100
74 22.8 20.5 30.7

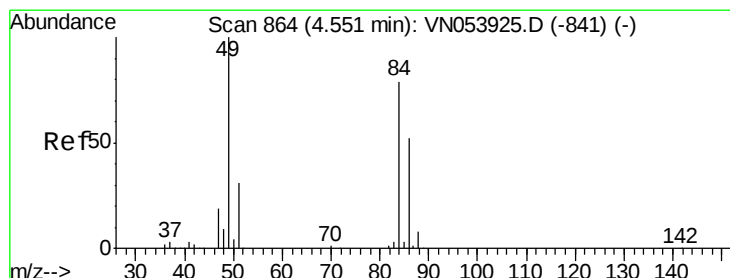
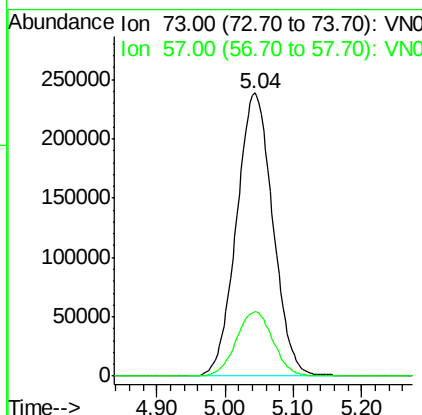
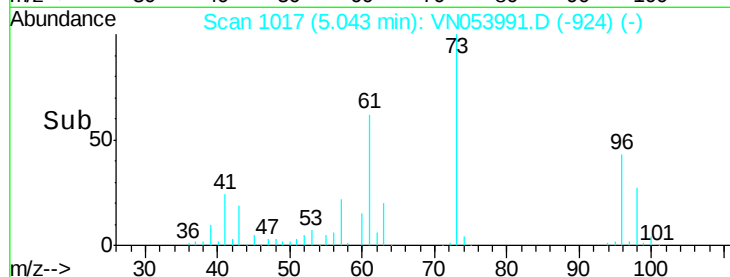
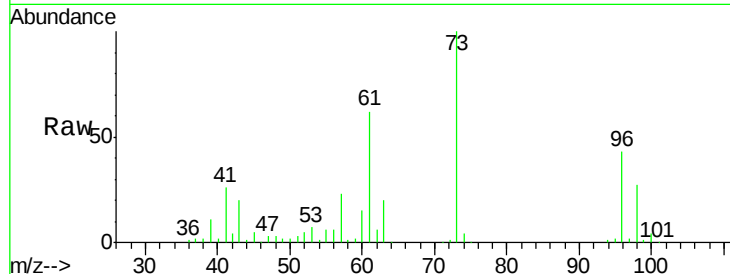




#19
Methvl tert-butvl Ether
Concen: 56.372 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

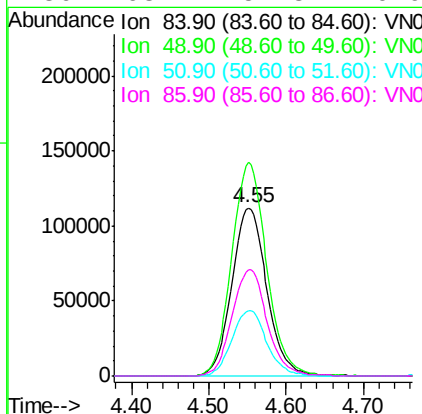
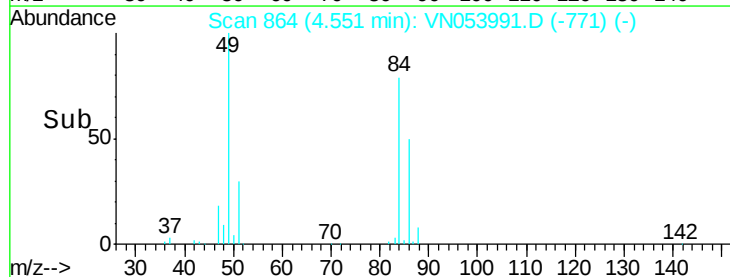
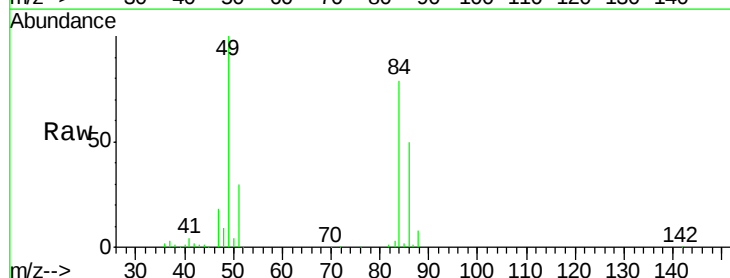
Instrument :
MSVOA_N
ClientSampled :

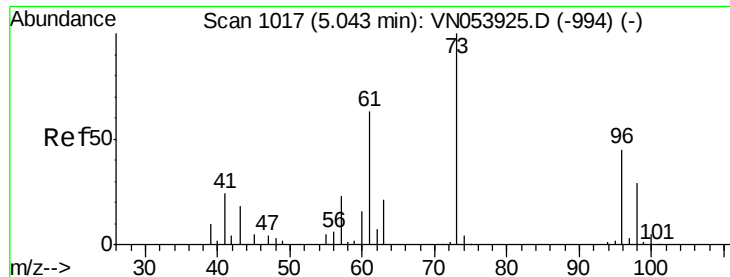
Tot Ion: 73 Resp: 883577
Ion Ratio Lower Upper
73 100
57 22.8 18.0 27.0



#20
Methylene Chloride
Concen: 51.081 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion: 84 Resp: 350771
Ion Ratio Lower Upper
84 100
49 127.3 89.7 134.5
51 38.6 27.8 41.8
86 63.2 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 51.114 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :
MSVOA_N
ClientSampleId :

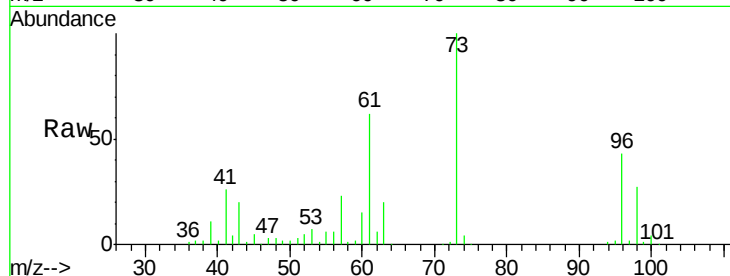
Tot Ion: 96 Resp: 323240

Ion Ratio Lower Upper

96 100

61 145.1 104.5 156.7

98 62.9 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

200000

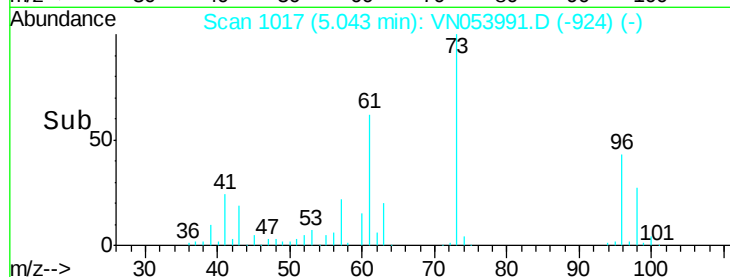
150000

100000

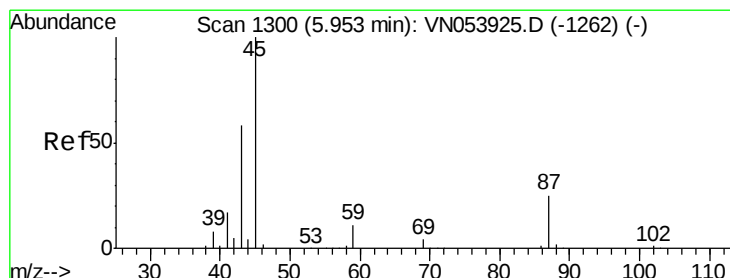
50000

0

Time-->



Time-->



#22

Diisopropyl ether

Concen: 56.675 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Tgt Ion: 45 Resp: 1120475

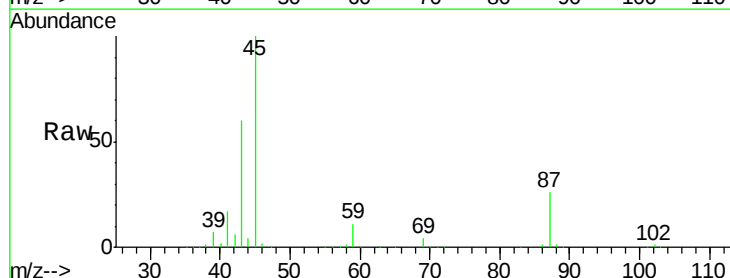
Ion Ratio Lower Upper

45 100

43 59.9 46.2 69.4

87 25.5 23.4 35.0

59 10.9 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

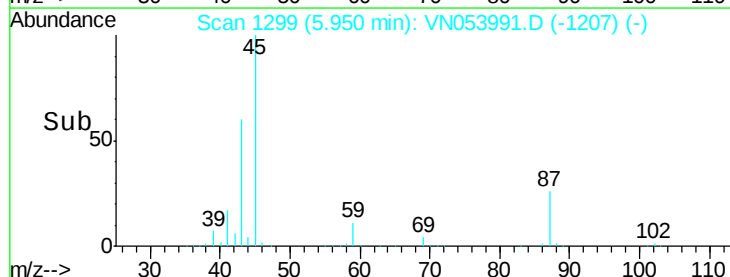
1500000

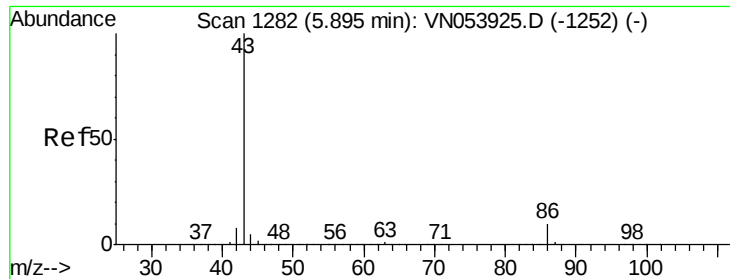
1000000

500000

0

Time-->

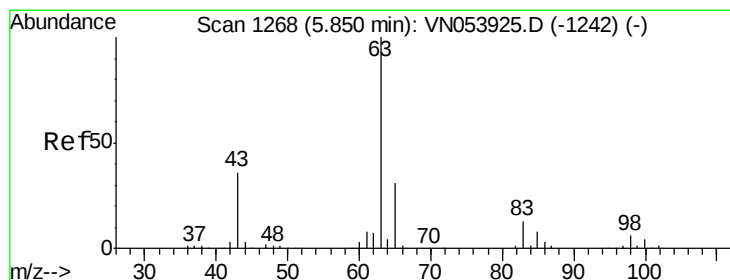
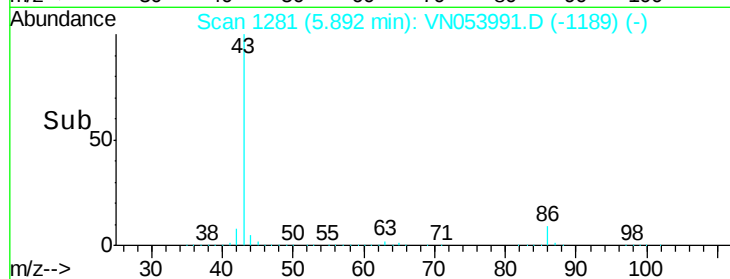
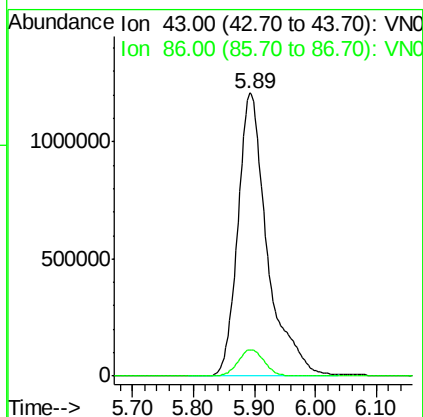
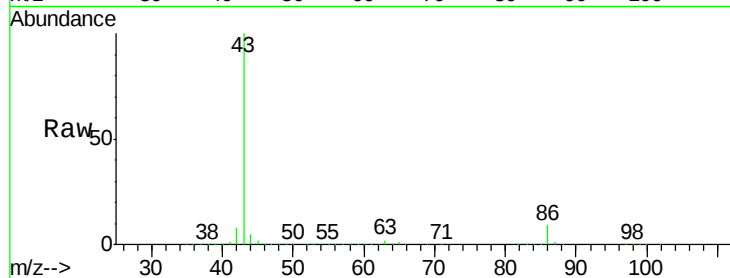




#23
 Vinyl Acetate
 Concen: 285.185 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

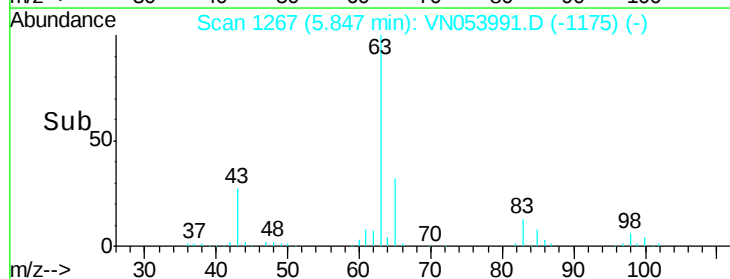
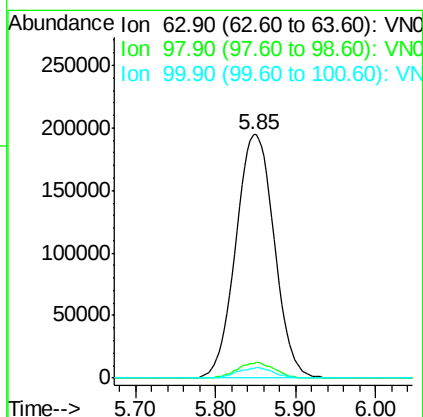
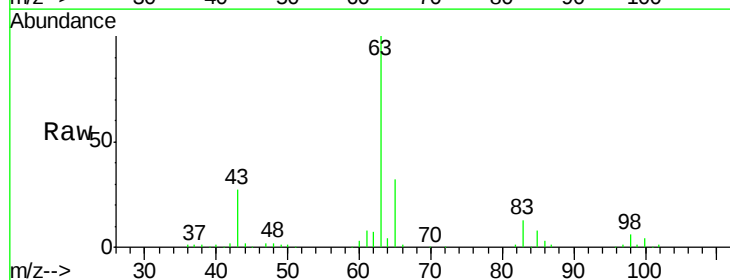
Instrument :
 MSVOA_N
 ClientSampleId :

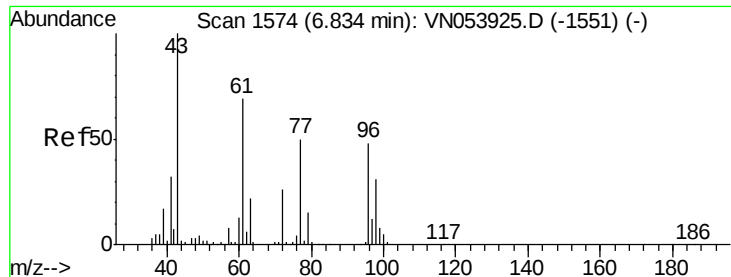
Tot Ion: 43 Resp: 4055986
 Ion Ratio Lower Upper
 43 100
 86 9.4 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 52.375 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

Tgt Ion: 63 Resp: 634992
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.4 10.2
 100 4.1 2.2 6.6





#25

2-Butanone

Concen: 282.576 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

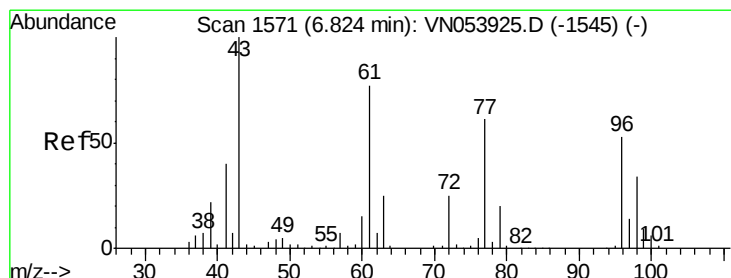
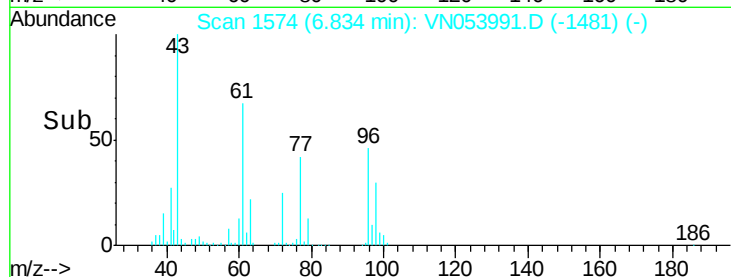
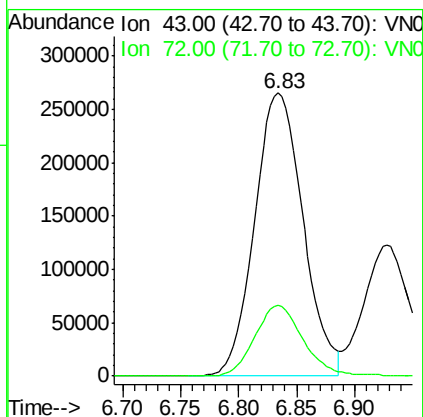
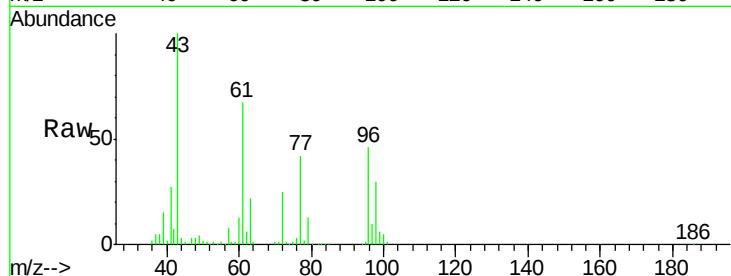
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 769819

Ion Ratio Lower Upper

43 100

72 25.3 22.1 33.1



#26

2,2-Dichloropropane

Concen: 44.995 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053991.D

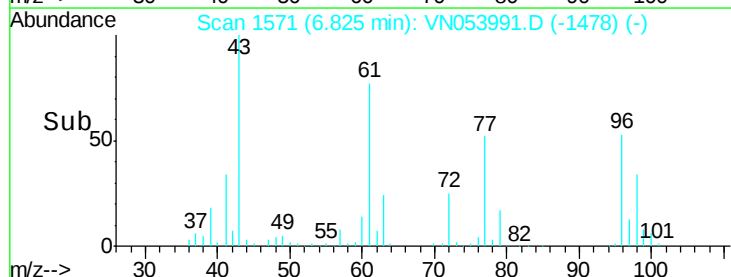
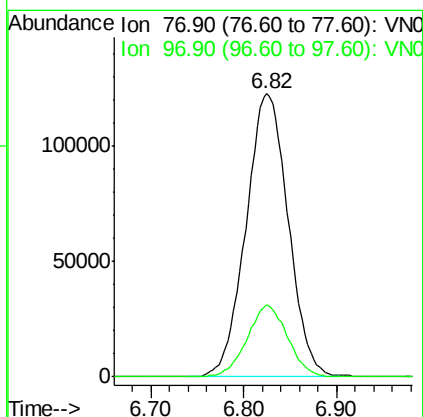
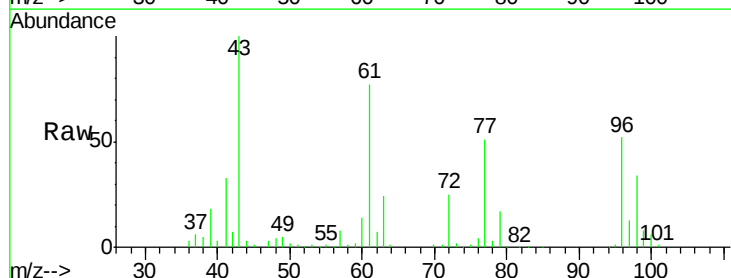
Acq: 28 Feb 2019 1:32

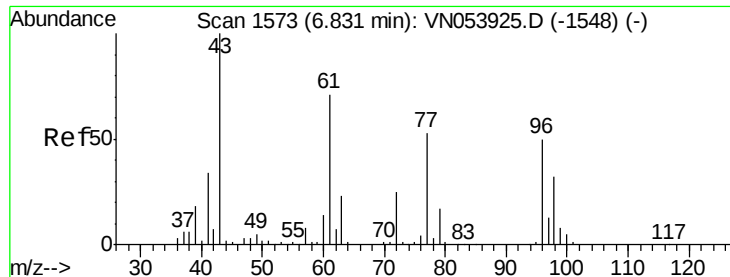
Tgt Ion: 77 Resp: 387566

Ion Ratio Lower Upper

77 100

97 24.4 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 52.541 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :
MSVOA_N
ClientSampled :

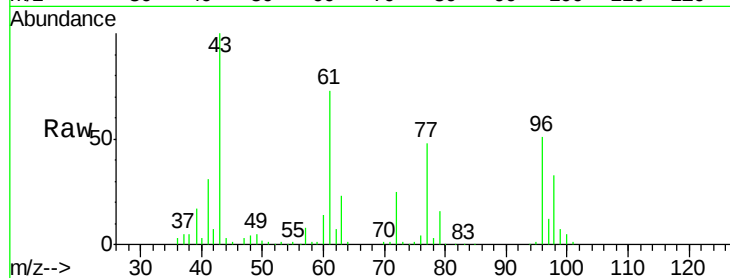
Tot Ion: 96 Resp: 369516

Ion Ratio Lower Upper

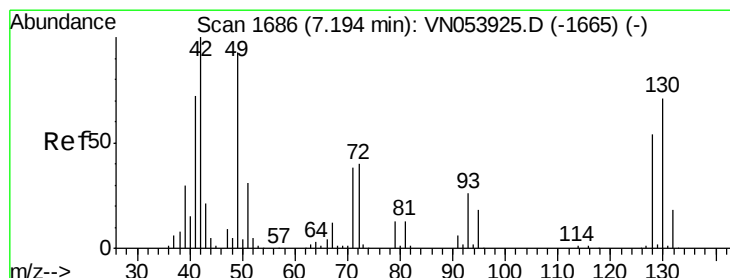
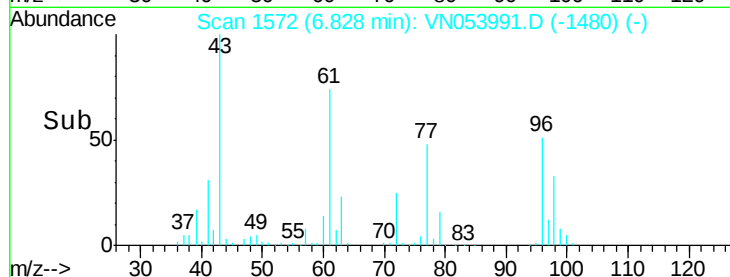
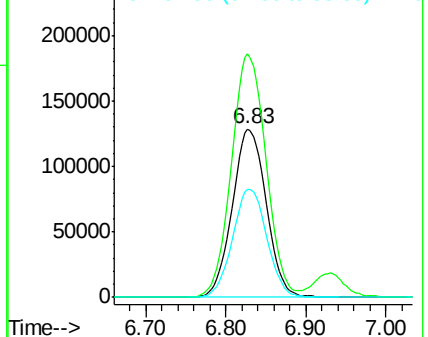
96 100

61 147.0 0.0 275.6

98 65.1 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 55.030 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

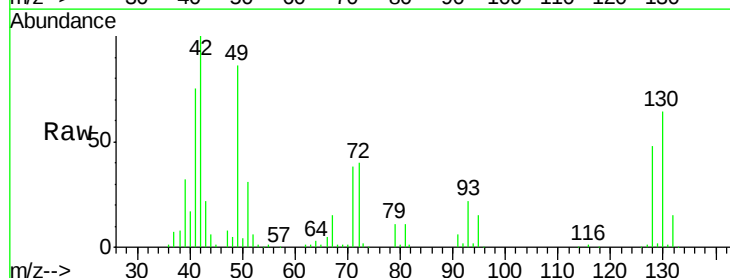
Tgt Ion: 49 Resp: 305385

Ion Ratio Lower Upper

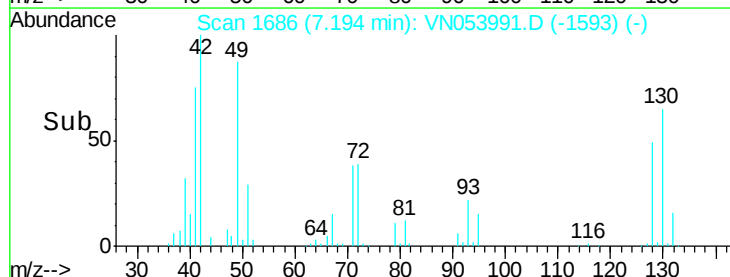
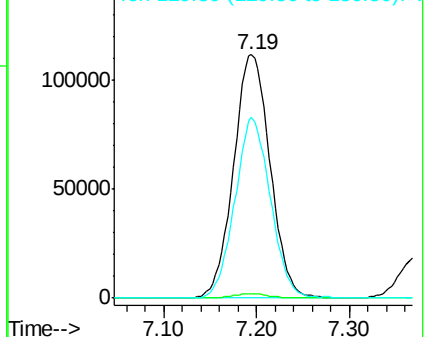
49 100

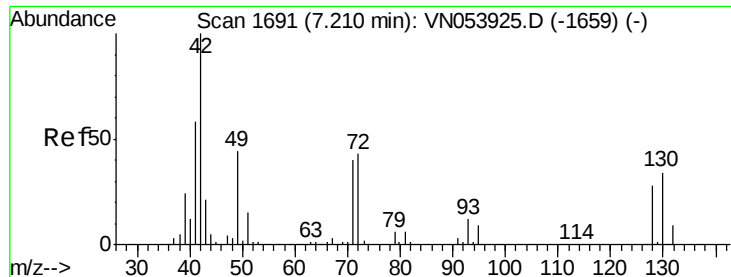
129 1.7 0.0 4.6

130 72.1 72.9 109.3#



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

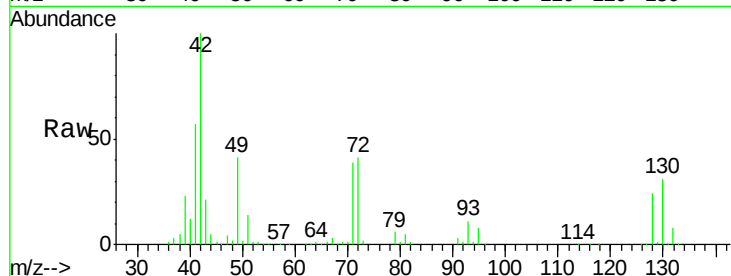




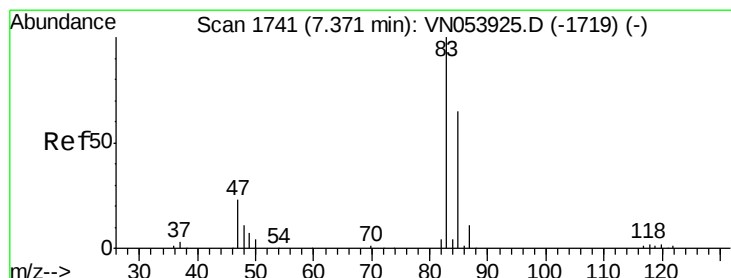
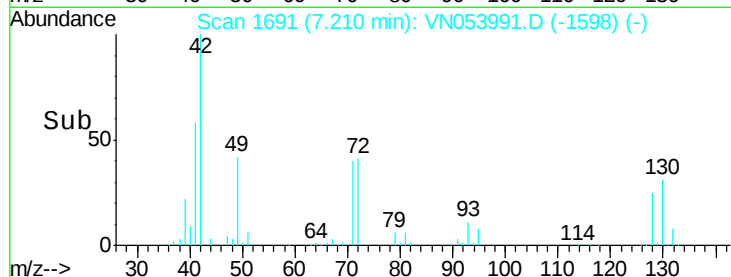
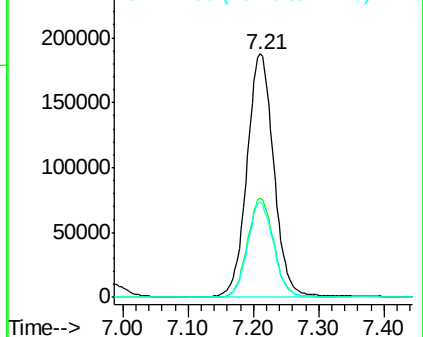
#29
Tetrahydrofuran
Concen: 294.905 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 535015
Ion Ratio Lower Upper
42 100
72 40.1 36.9 55.3
71 38.2 34.6 52.0

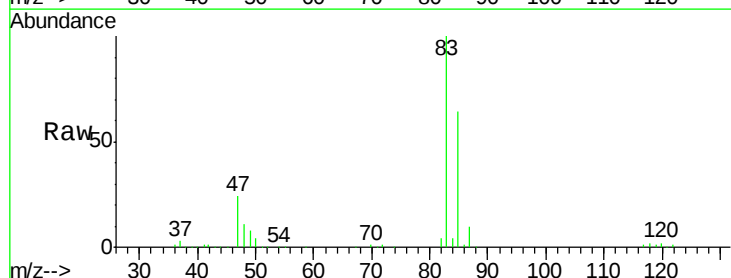


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

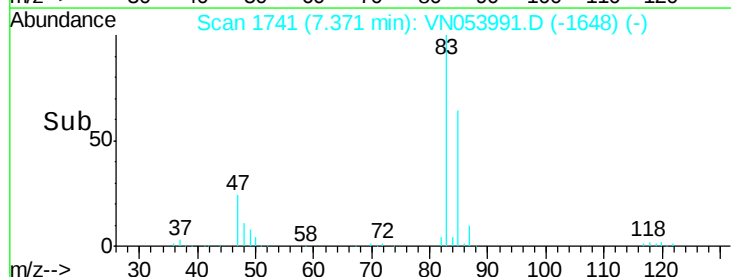
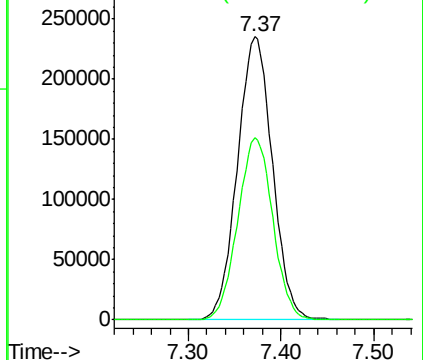


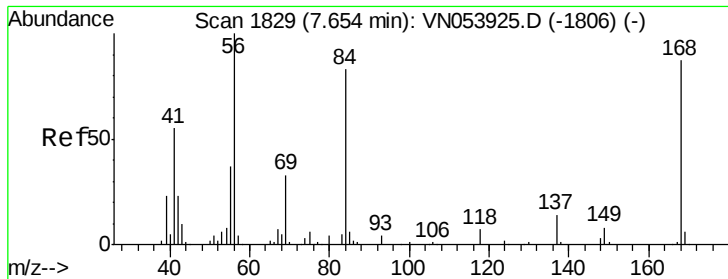
#30
Chloroform
Concen: 52.467 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion: 83 Resp: 616800
Ion Ratio Lower Upper
83 100
85 64.3 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 51.968 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

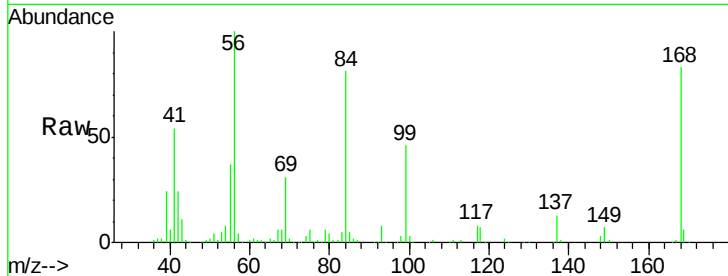
Tot Ion: 56 Resp: 576409

Ion Ratio Lower Upper

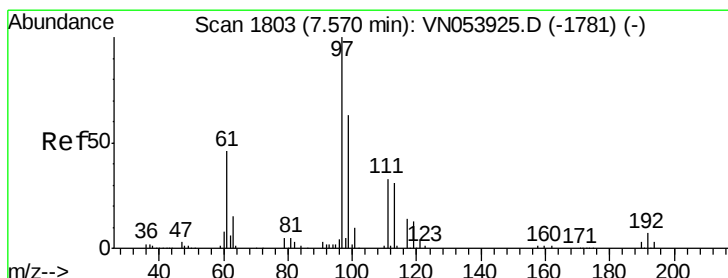
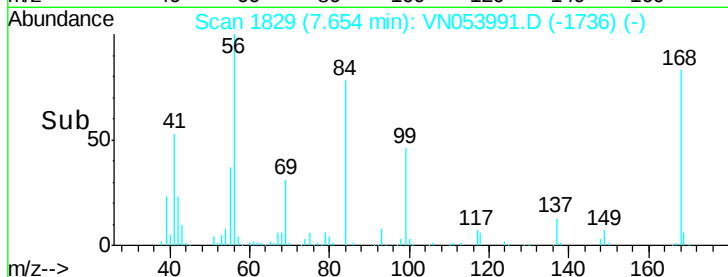
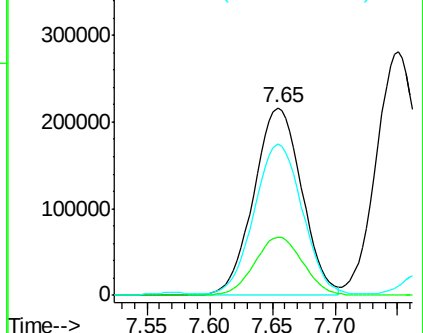
56 100

69 31.1 26.0 39.0

84 79.7 69.1 103.7



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 51.790 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

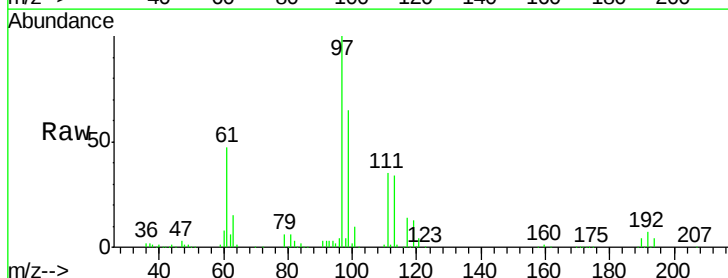
Tgt Ion: 97 Resp: 502008

Ion Ratio Lower Upper

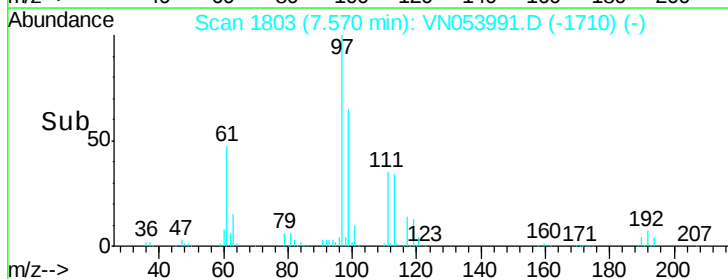
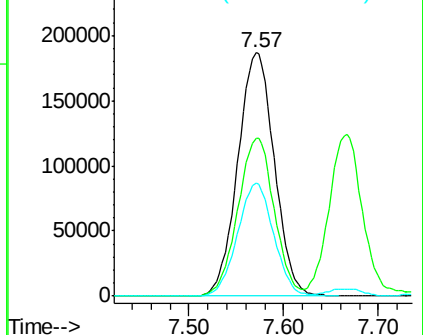
97 100

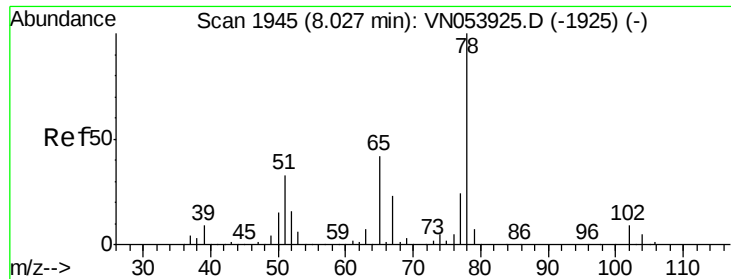
99 64.4 51.8 77.8

61 45.9 33.2 49.8



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

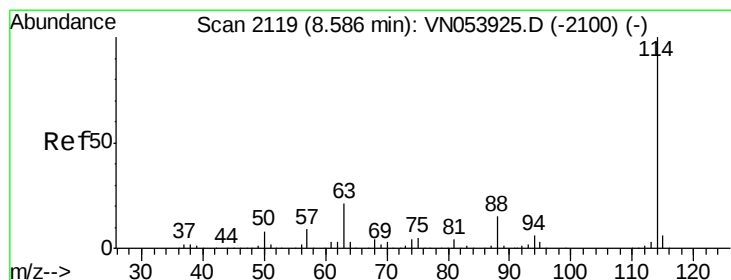
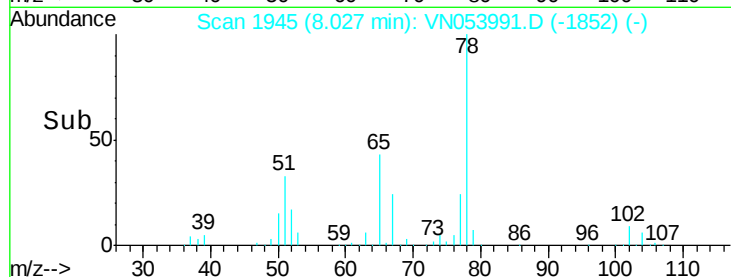
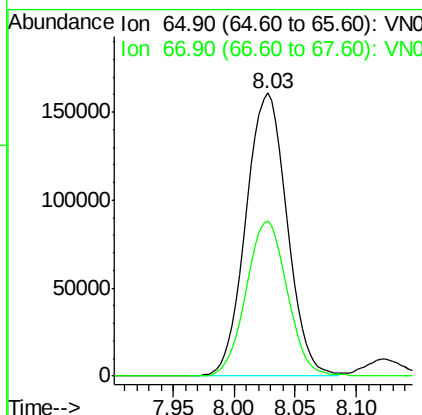
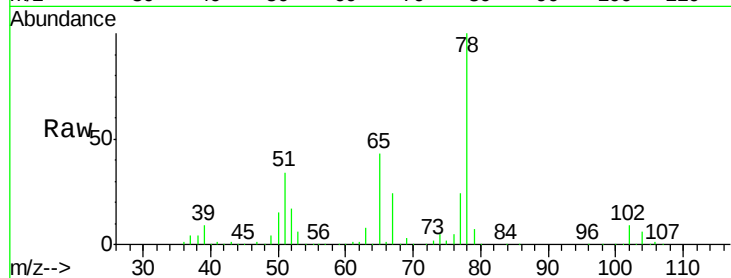




#33
 1,2-Dichloroethane-d4
 Concen: 54.206 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

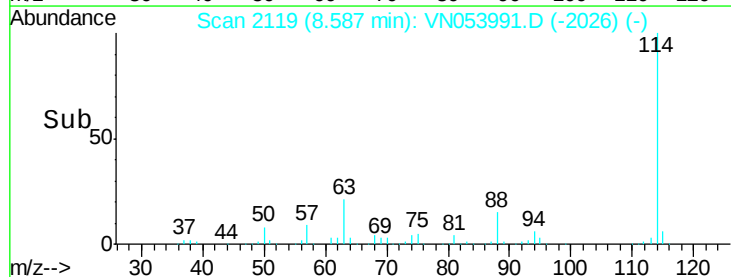
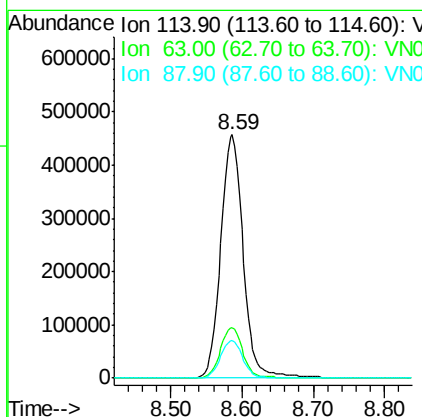
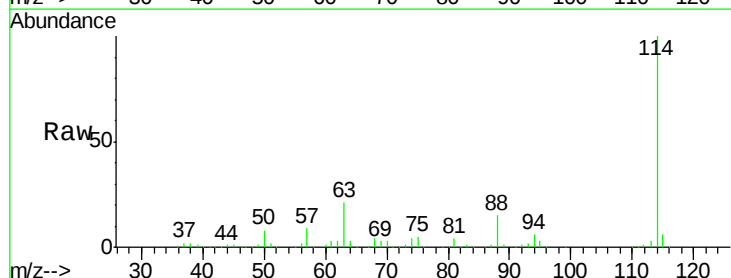
Instrument :
 MSVOA_N
 ClientSampleId :

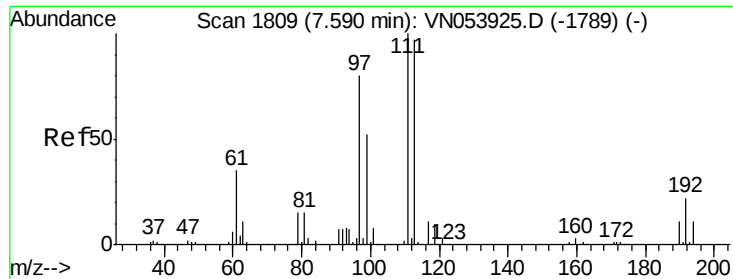
Tot Ion: 65 Resp: 376091
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

Tgt Ion: 114 Resp: 999867
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 37.4
 88 15.2 0.0 30.4

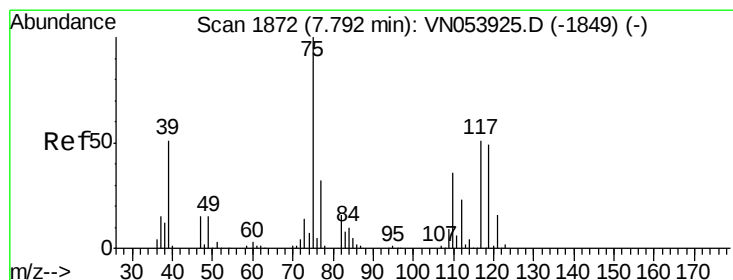
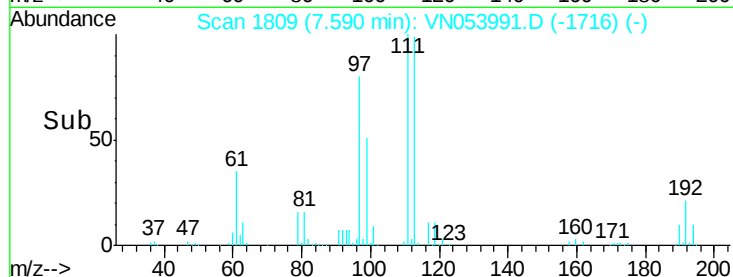
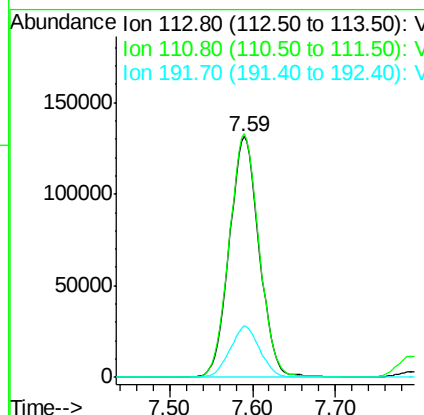
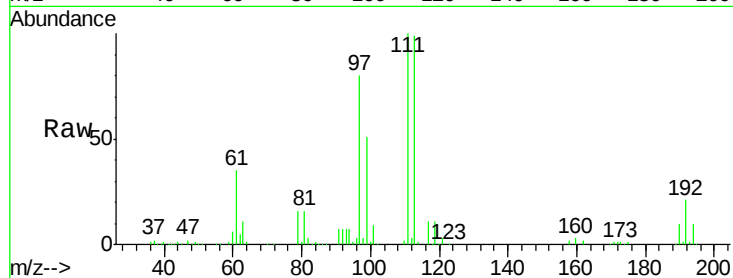




#35
 Dibromofluoromethane
 Concen: 50.920 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

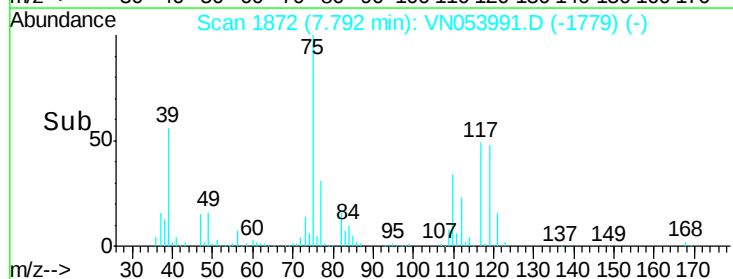
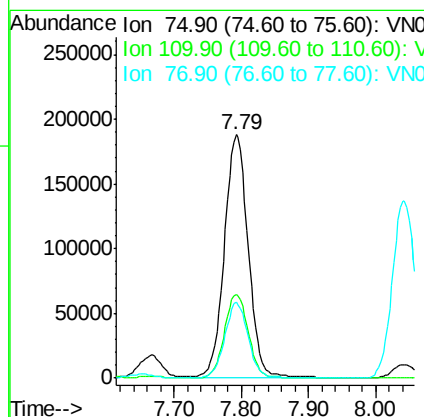
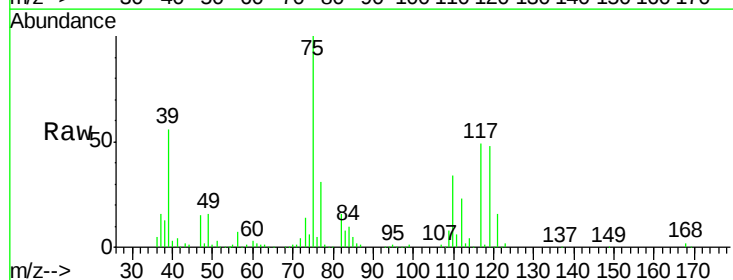
Instrument :
 MSVOA_N
 ClientSampleId :

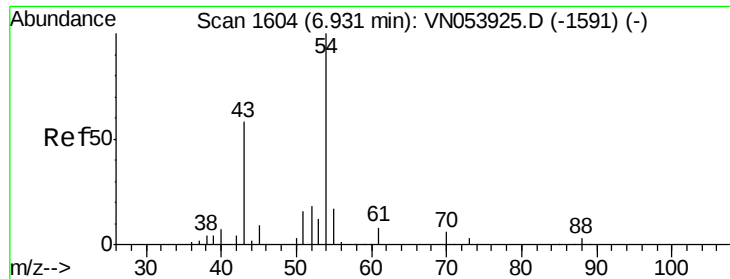
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.1	121.7
192	21.2	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 50.068 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.4	19.0	57.0
77	30.6	25.4	38.0

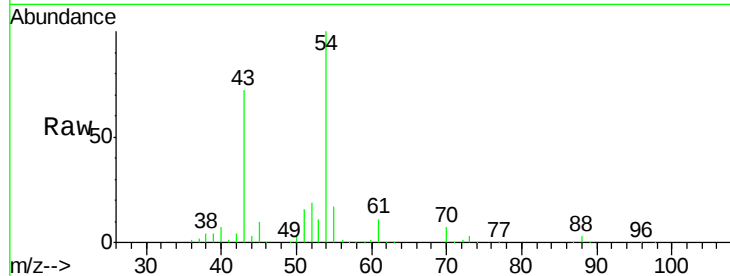




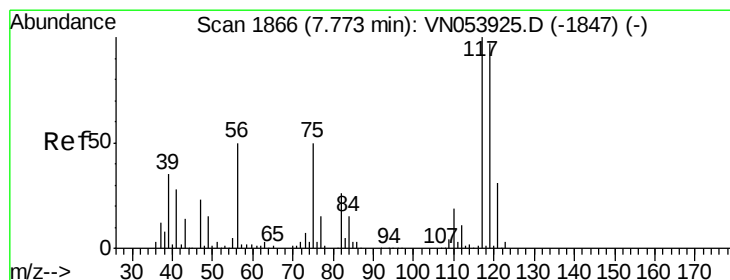
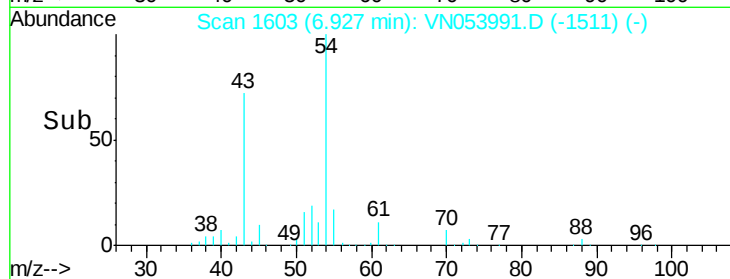
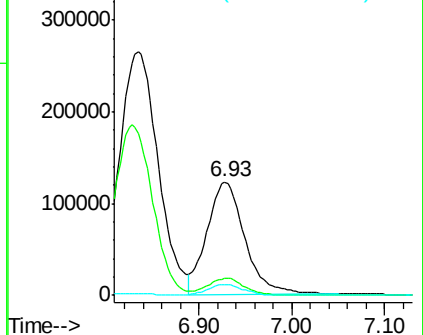
#37
Ethyl Acetate
Concen: 52.217 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 346685
Ion Ratio Lower Upper
43 100
61 14.4 12.0 18.0
70 9.5 8.7 13.1

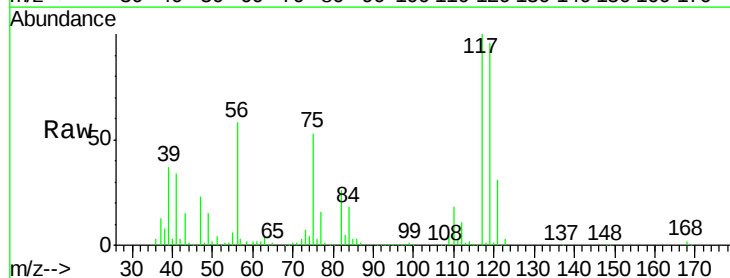


Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-1591) (-)
Ion 60.90 (60.60 to 61.60): VN053925.D (-1591) (-)
Ion 70.00 (69.70 to 70.70): VN053925.D (-1591) (-)

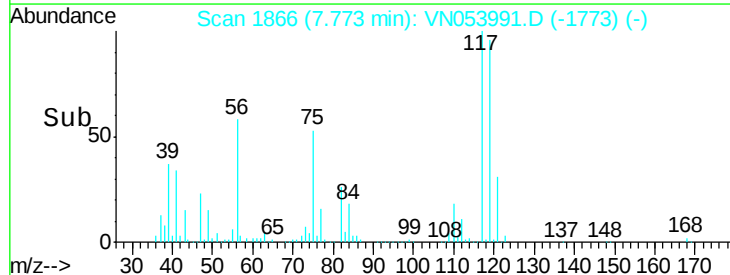
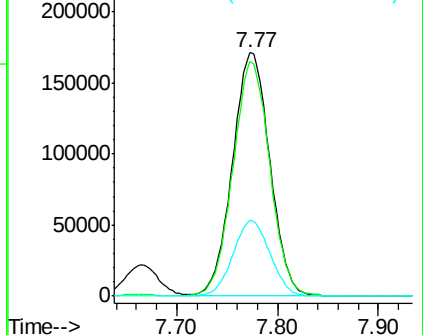


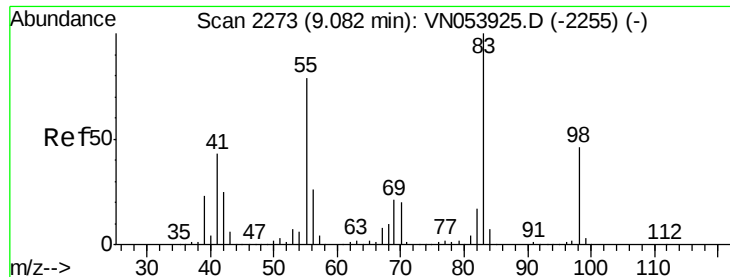
#38
Carbon Tetrachloride
Concen: 45.214 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion: 117 Resp: 437250
Ion Ratio Lower Upper
117 100
119 96.3 76.2 114.2
121 31.2 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): VN053925.D (-1847) (-)
Ion 118.80 (118.50 to 119.50): VN053925.D (-1847) (-)
Ion 120.80 (120.50 to 121.50): VN053925.D (-1847) (-)

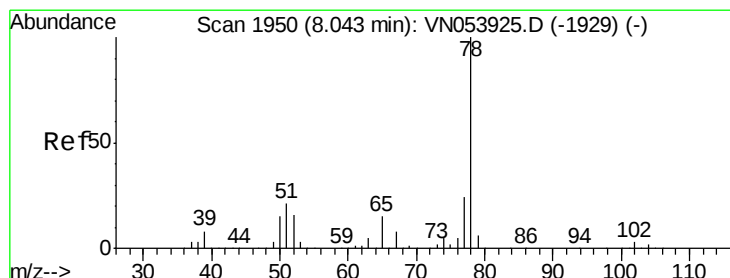
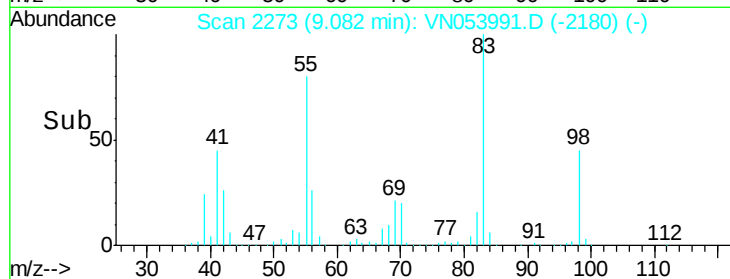
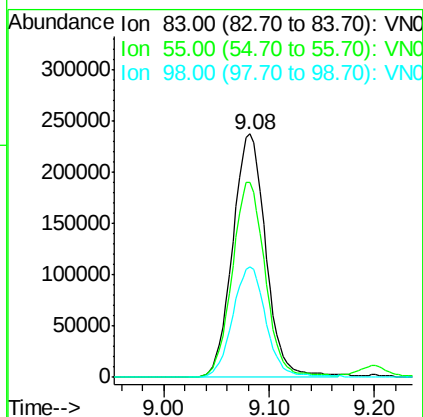
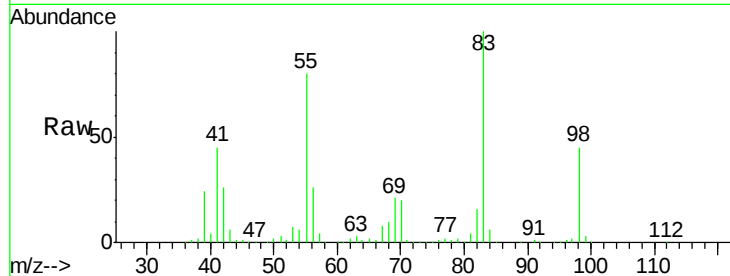




#39
Methvlcvclohexane
Concen: 46.155 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

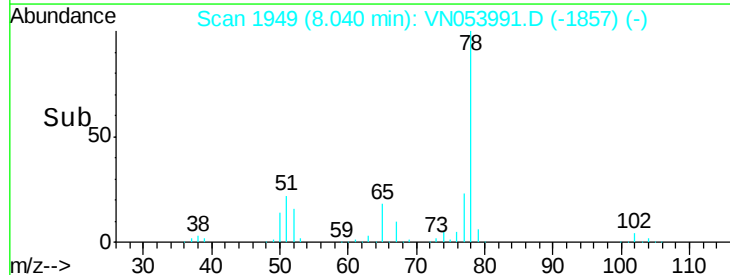
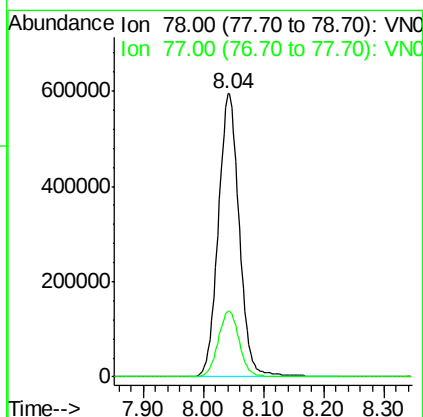
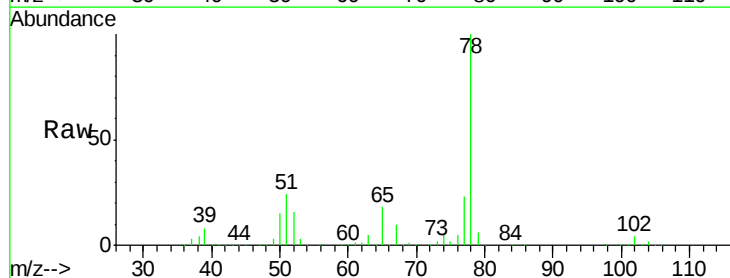
Instrument :
MSVOA_N
ClientSampled :

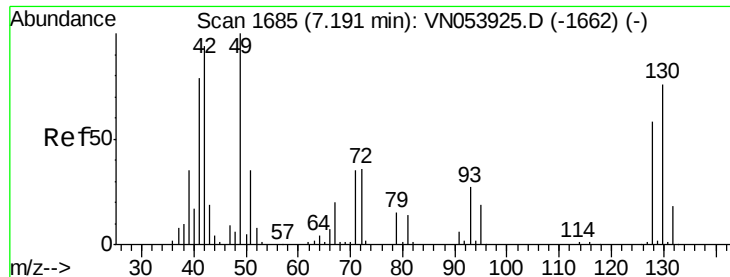
Tot Ion: 83 Resp: 517277
Ion Ratio Lower Upper
83 100
55 80.1 58.2 87.4
98 45.3 37.2 55.8



#40
Benzene
Concen: 49.769 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion: 78 Resp: 1421668
Ion Ratio Lower Upper
78 100
77 23.0 18.8 28.2

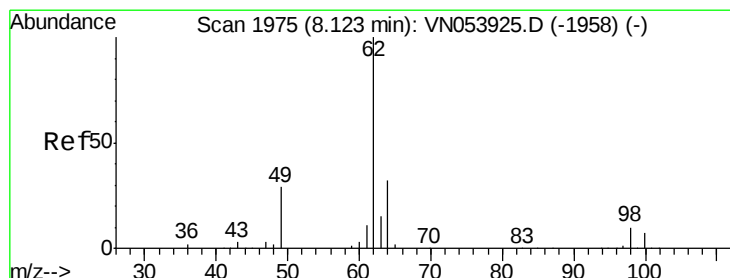
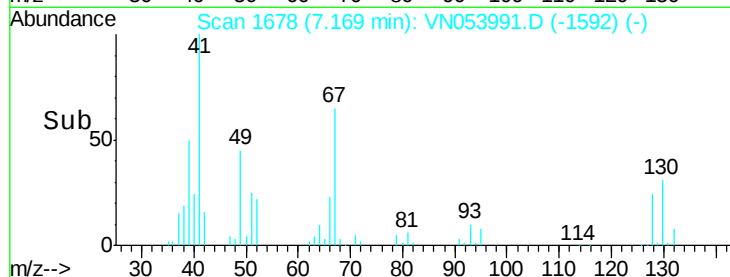
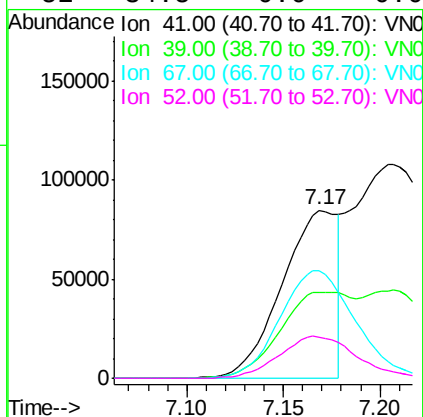
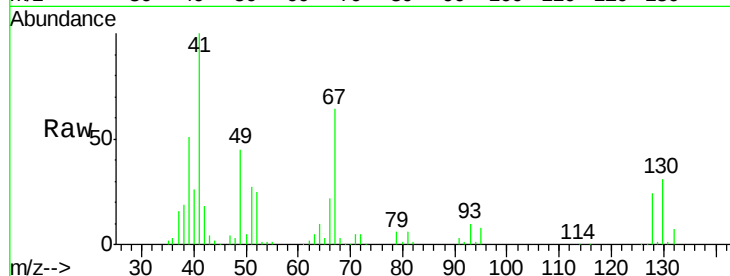




#41
Methacrylonitrile
Concen: 39.454 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.02 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

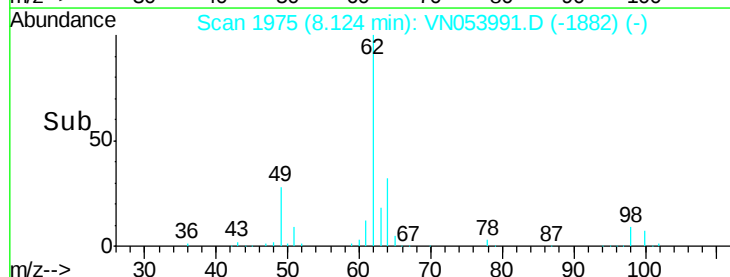
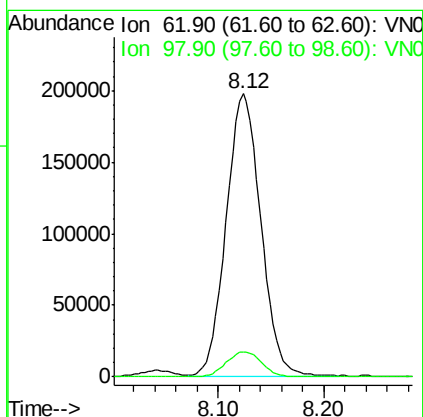
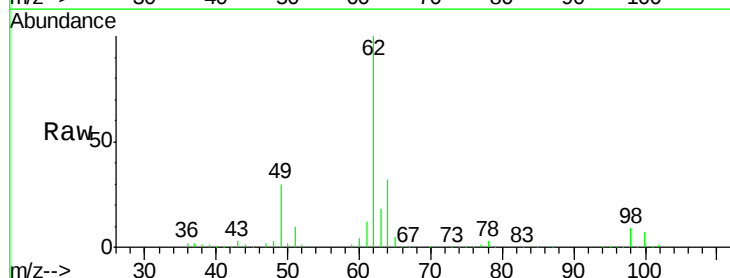
Instrument :
MSVOA_N
ClientSampled :

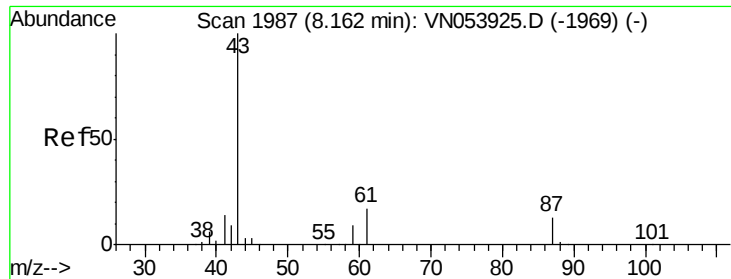
Tot Ion: 41 Resp: 168673
Ion Ratio Lower Upper
41 100
39 67.7 0.0 0.0#
67 87.5 0.0 0.0#
52 34.5 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 50.658 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion: 62 Resp: 447998
Ion Ratio Lower Upper
62 100
98 9.3 0.0 20.8





#43

Isopropyl Acetate

Concen: 53.029 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

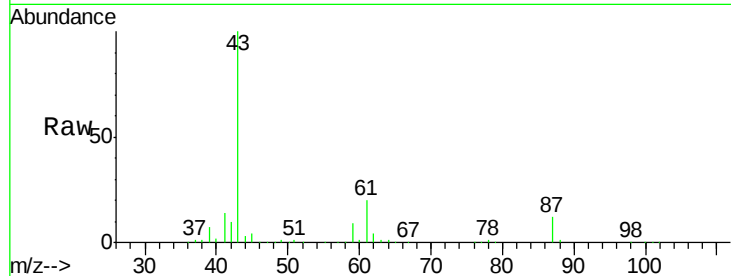
Tot Ion: 43 Resp: 594458

Ion Ratio Lower Upper

43 100

61 27.6 17.4 26.0#

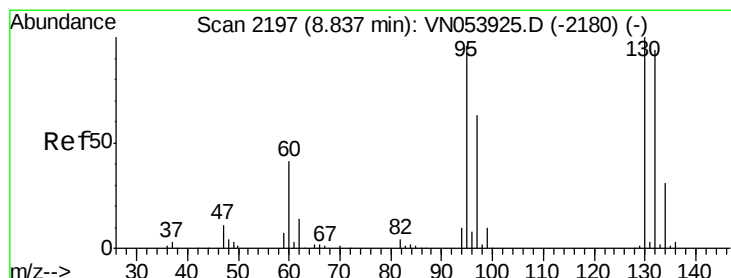
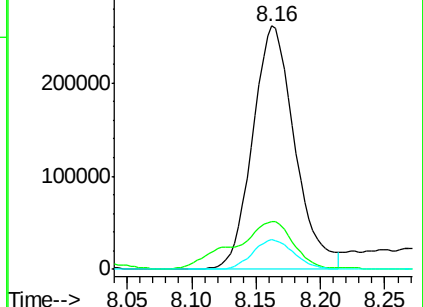
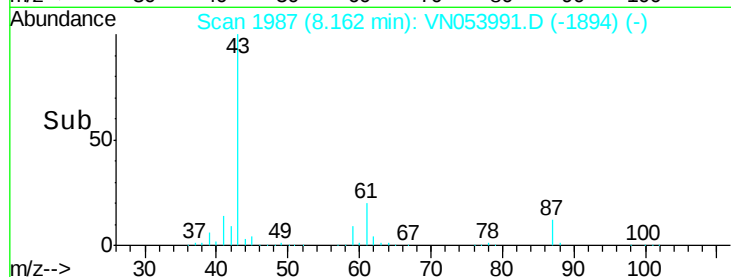
87 12.0 11.5 17.3



Abundance Ion 43.00 (42.70 to 43.70): VN053991.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN053991.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN053991.D (-1894) (-)



#44

Trichloroethene

Concen: 48.212 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053991.D

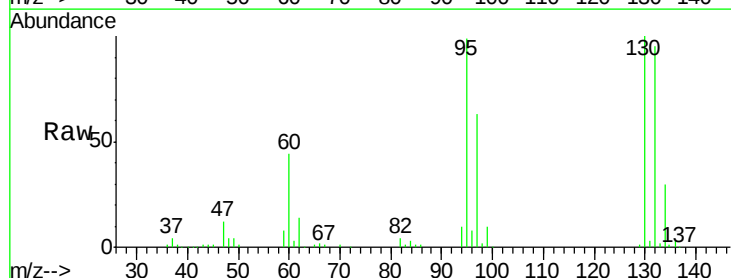
Acq: 28 Feb 2019 1:32

Tgt Ion:130 Resp: 365102

Ion Ratio Lower Upper

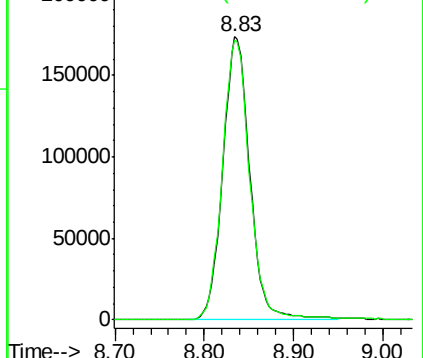
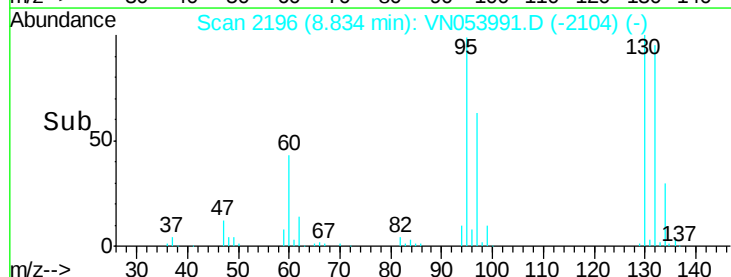
130 100

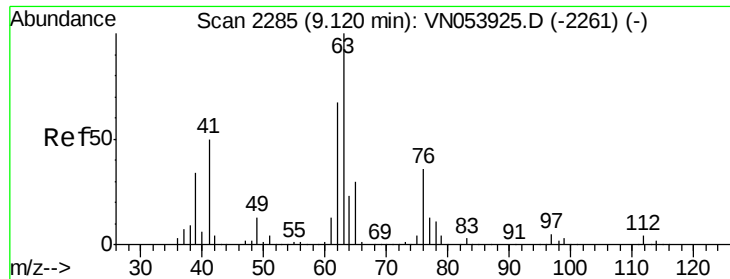
95 99.0 0.0 190.0



Abundance Ion 129.80 (129.50 to 130.50): VN053991.D (-2104) (-)

Ion 94.90 (94.60 to 95.60): VN053991.D (-2104) (-)





#45

1,2-Dichloropropane

Concen: 50.354 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

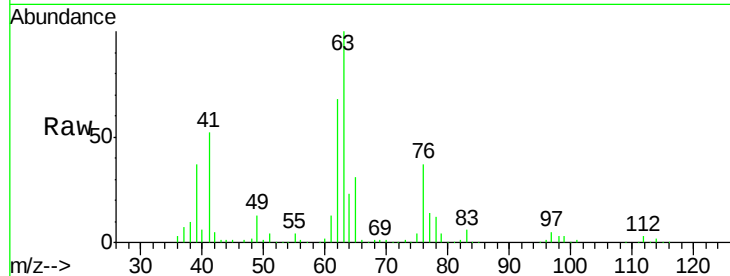
ClientSampled :

Tot Ion: 63 Resp: 388061

Ion Ratio Lower Upper

63 100

65 31.1 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

200000

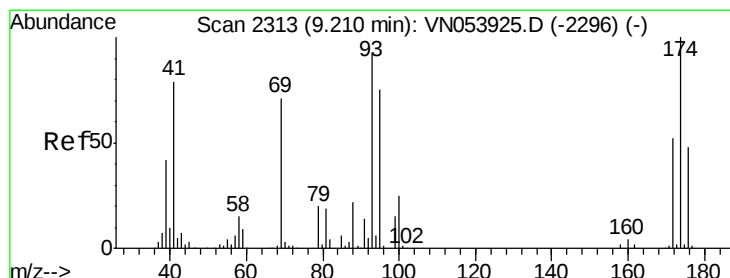
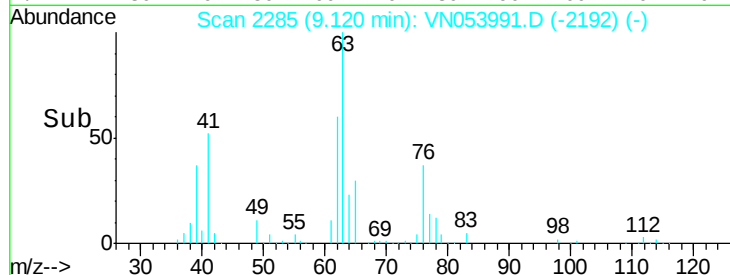
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 50.038 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

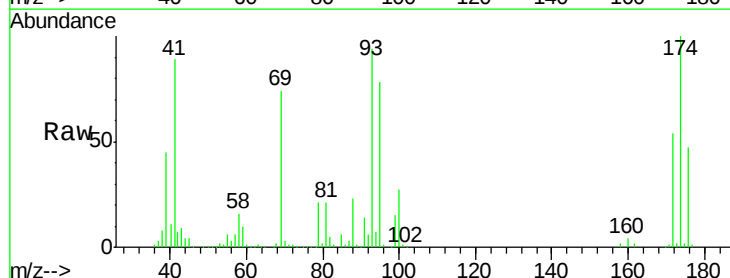
Tgt Ion: 93 Resp: 223879

Ion Ratio Lower Upper

93 100

95 83.3 66.6 100.0

174 106.8 96.2 144.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

9.21

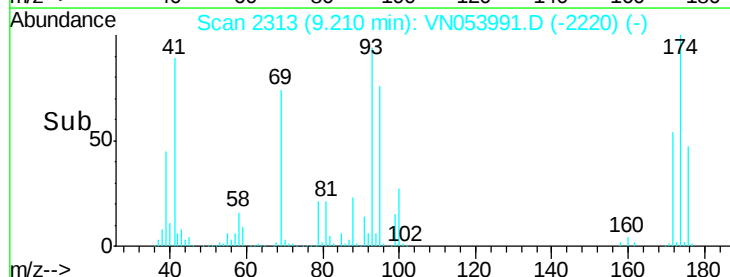
150000

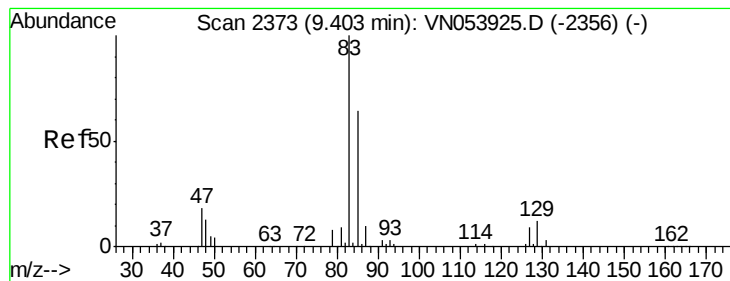
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 49.693 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

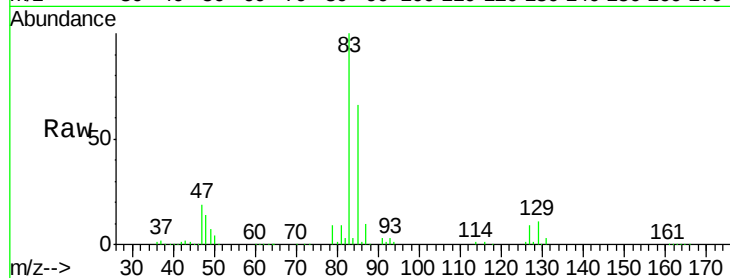
Tot Ion: 83 Resp: 468553

Ion Ratio Lower Upper

83 100

85 65.6 51.8 77.6

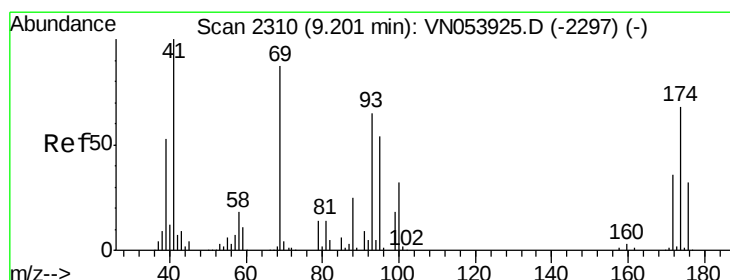
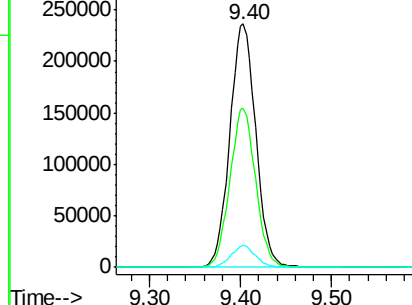
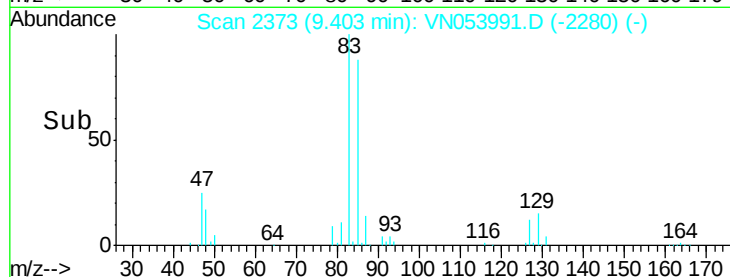
127 8.9 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN053991.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053991.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053991.D (-2280) (-)



#48

Methyl methacrylate

Concen: 55.911 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

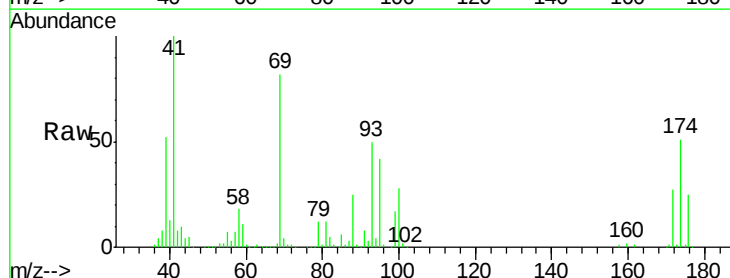
Tgt Ion: 41 Resp: 288295

Ion Ratio Lower Upper

41 100

69 87.3 74.8 112.2

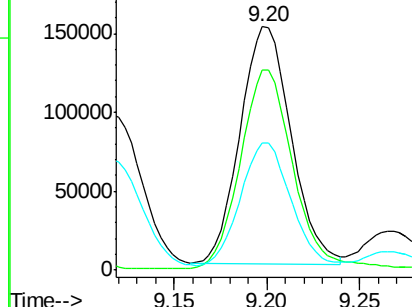
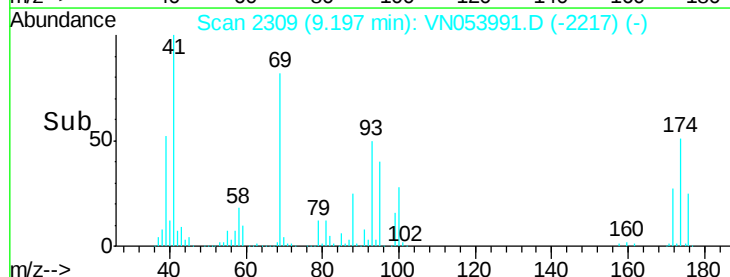
39 54.6 39.0 58.6

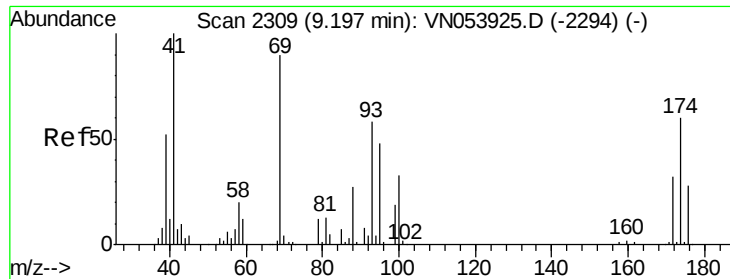


Abundance Ion 41.00 (40.70 to 41.70): VN053991.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN053991.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN053991.D (-2217) (-)





#49

1,4-Dioxane

Concen: 1183.438 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

ClientSampled :

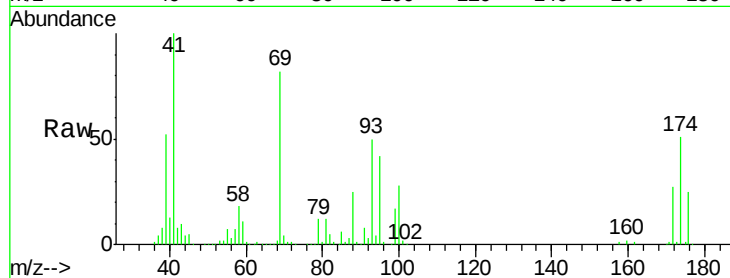
Tot Ion: 88 Resp: 82650

Ion Ratio Lower Upper

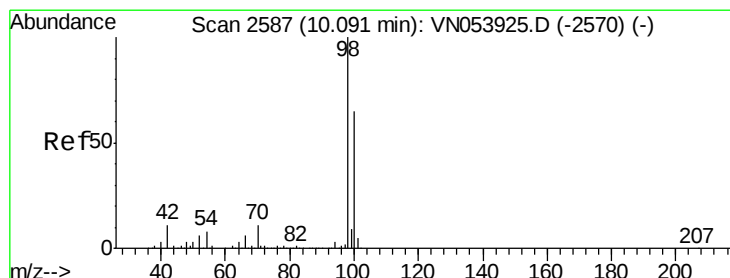
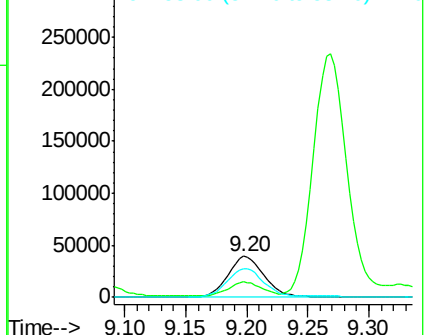
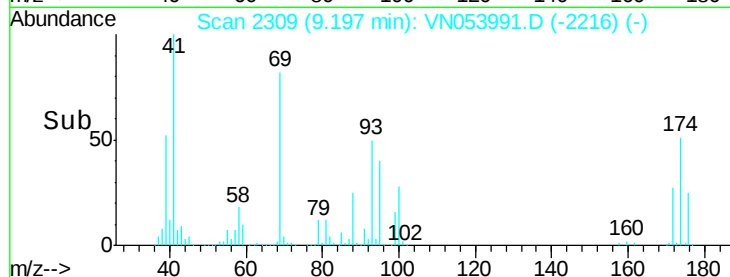
88 100

43 31.7 21.2 31.8

58 70.9 54.2 81.2



Abundance Ion 88.00 (87.70 to 88.70): VN053991.D (-2216) (-)



#50

Toluene-d8

Concen: 50.299 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053991.D

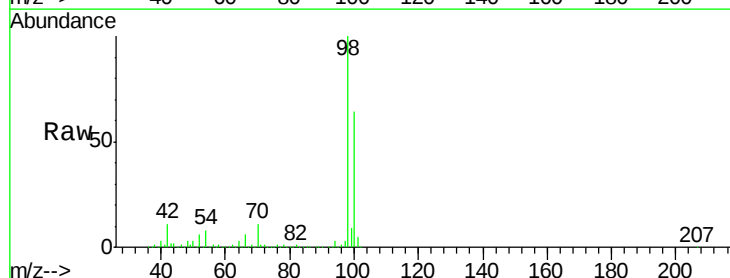
Acq: 28 Feb 2019 1:32

Tgt Ion: 98 Resp: 1210657

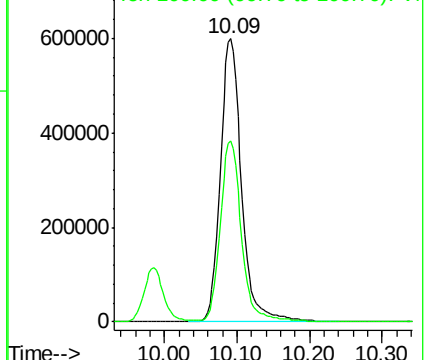
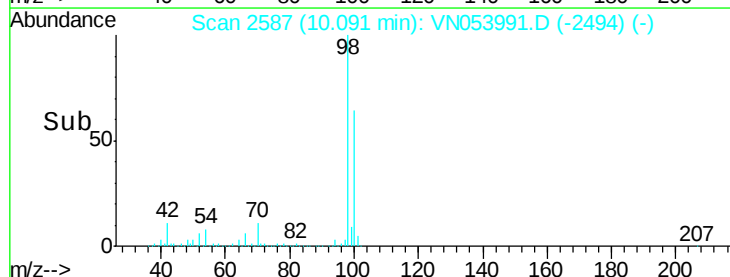
Ion Ratio Lower Upper

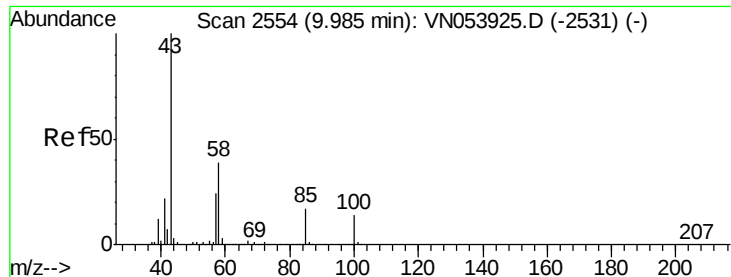
98 100

100 64.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN053991.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 288.626 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

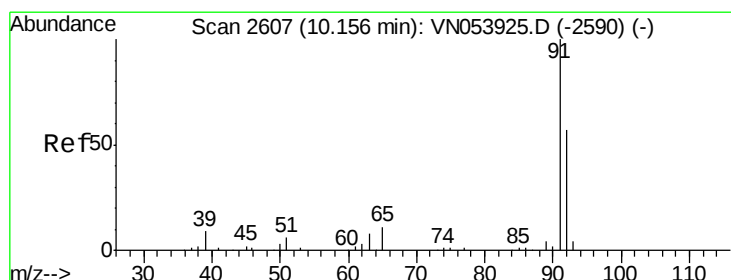
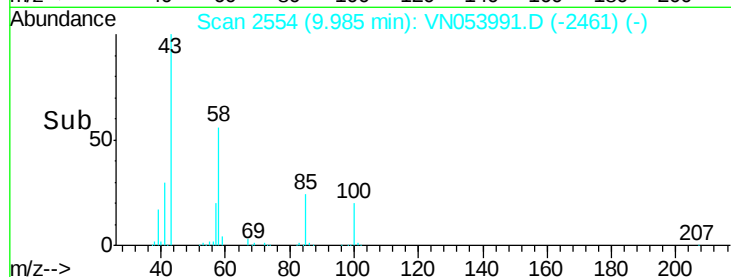
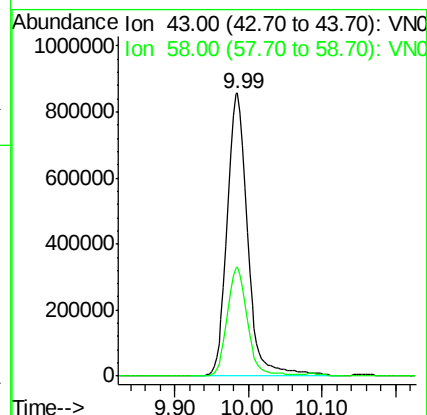
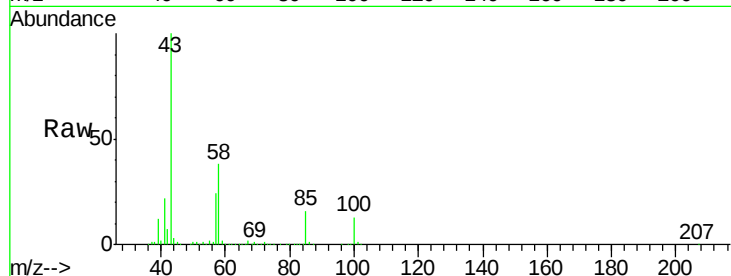
ClientSampleId :

Tot Ion: 43 Resp: 1662636

Ion Ratio Lower Upper

43 100

58 37.9 32.7 49.1



#52

Toluene

Concen: 50.094 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053991.D

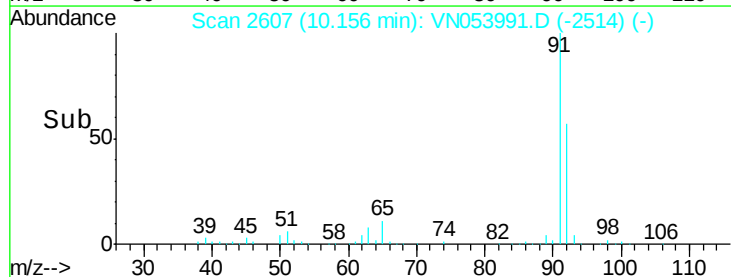
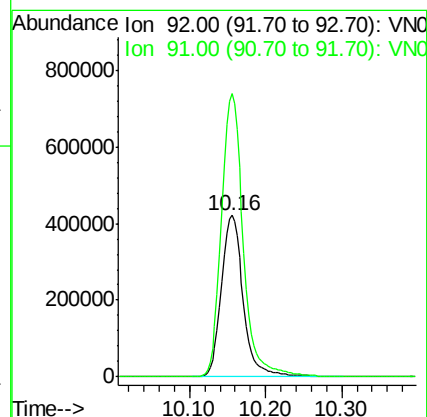
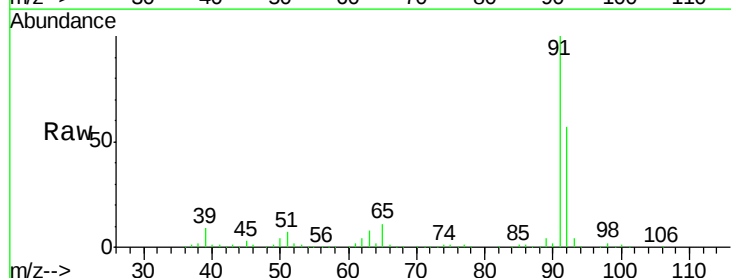
Acq: 28 Feb 2019 1:32

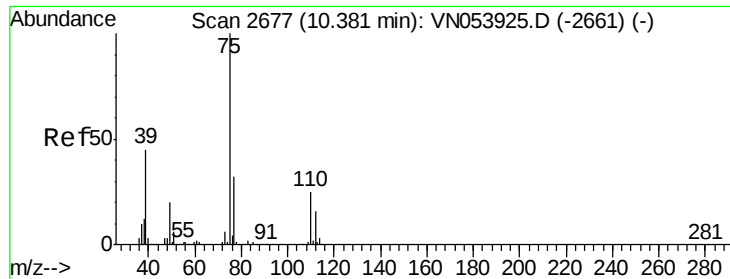
Tgt Ion: 92 Resp: 842588

Ion Ratio Lower Upper

92 100

91 174.8 138.4 207.6





#53

t-1,3-Dichloropropene

Concen: 51.659 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

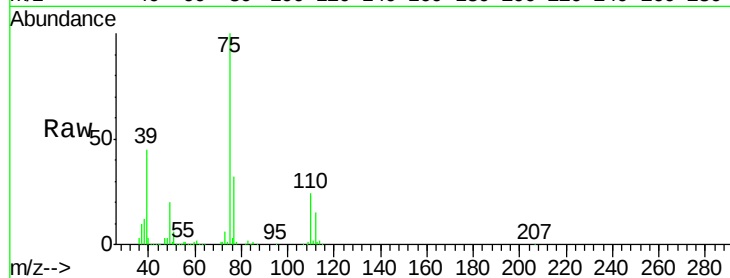
ClientSampleId :

Tot Ion: 75 Resp: 473940

Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

250000

200000

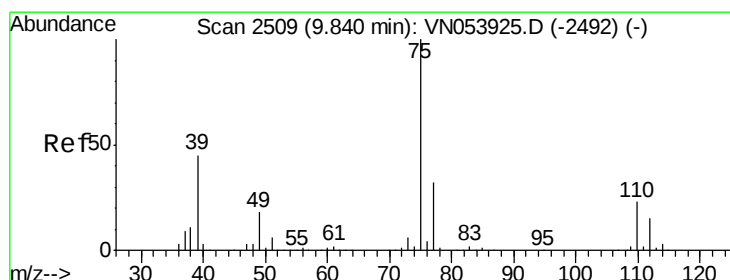
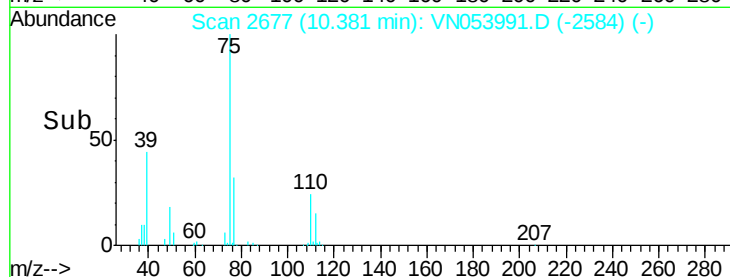
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.209 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

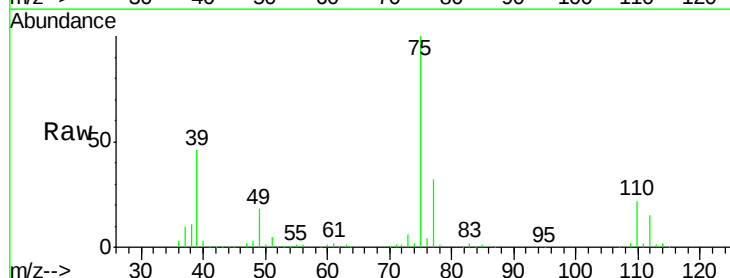
Tgt Ion: 75 Resp: 543031

Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.6

39 45.7 31.4 47.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

400000

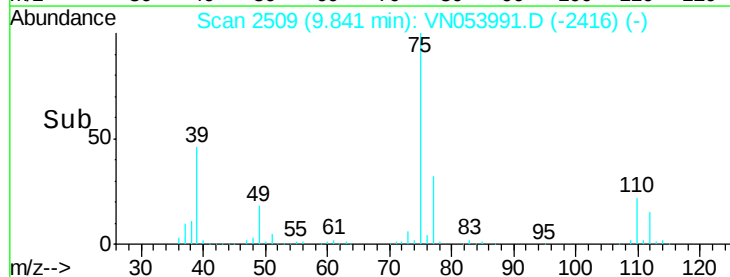
300000

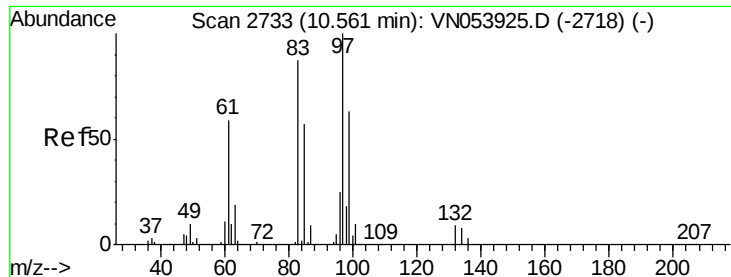
200000

100000

0

Time-->



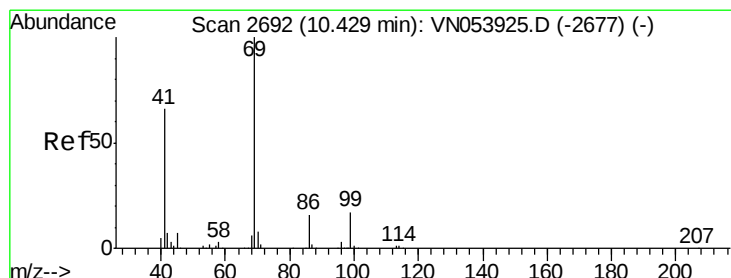
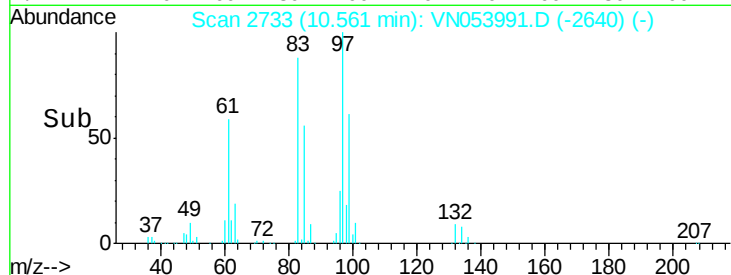
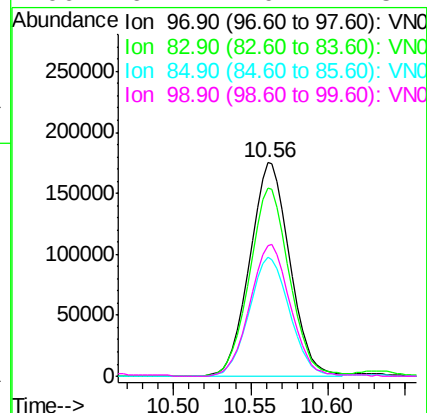
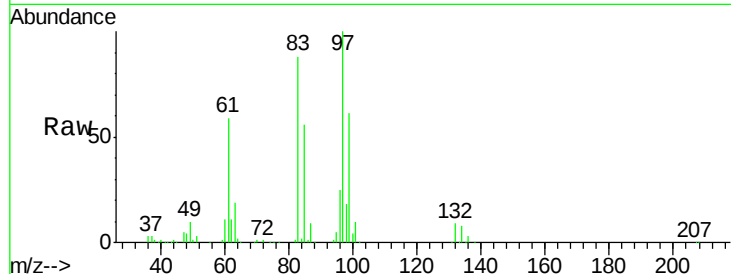


#55
 1,1,2-Trichloroethane
 Concen: 50.232 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 97 Resp: 315542

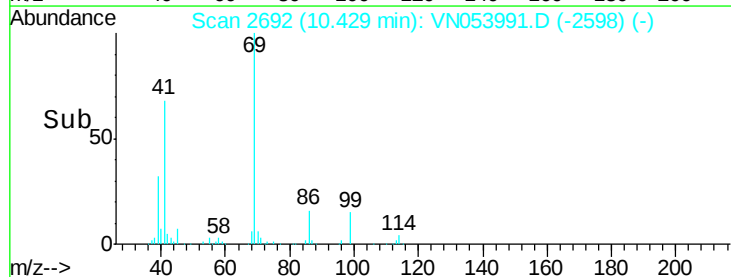
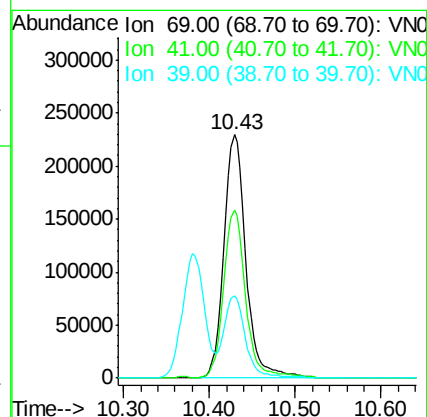
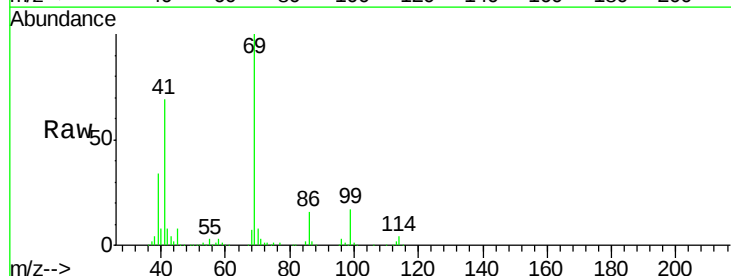
Ion	Ratio	Lower	Upper
97	100		
83	88.3	69.5	104.3
85	55.6	45.9	68.9
99	61.2	49.1	73.7

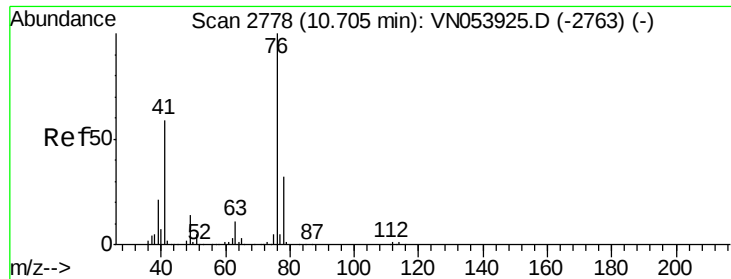


#56
 Ethyl methacrylate
 Concen: 49.741 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

Tgt Ion: 69 Resp: 409609

Ion	Ratio	Lower	Upper
69	100		
41	68.6	47.5	71.3
39	33.4	23.4	35.0

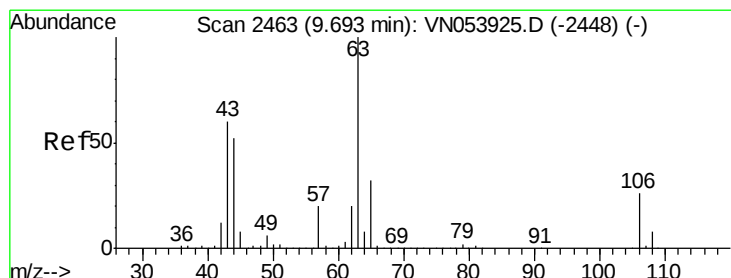
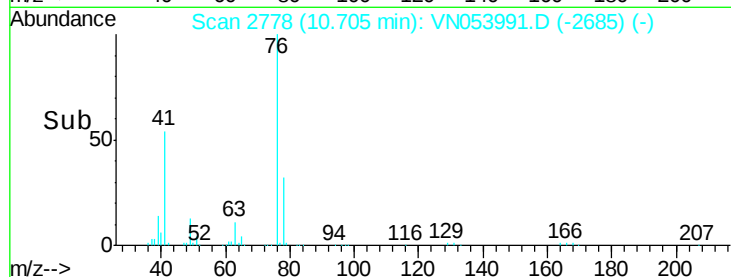
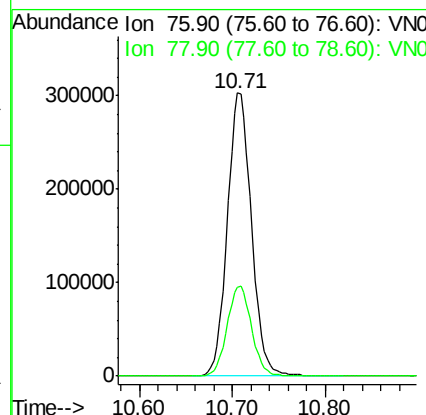
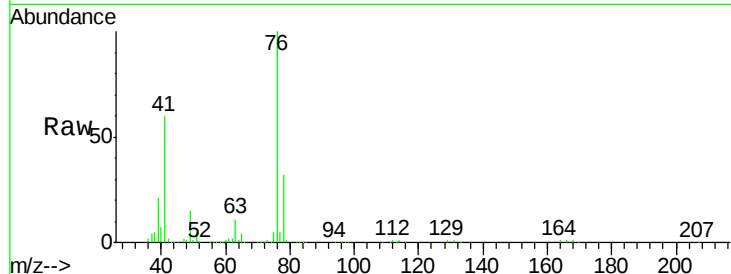




#57
 1,3-Dichloropropane
 Concen: 51.268 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

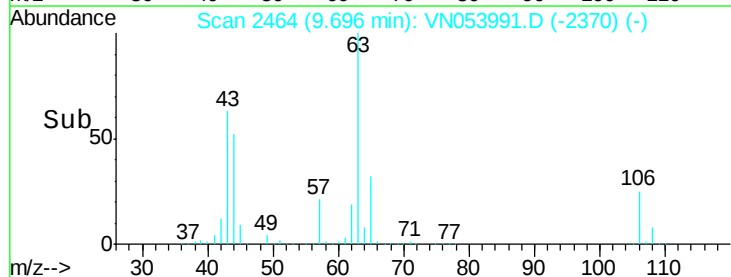
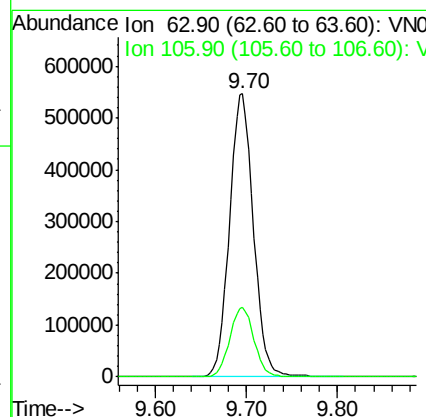
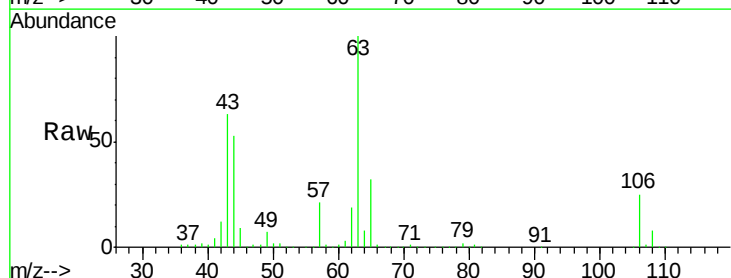
Instrument :
 MSVOA_N
 ClientSampled :

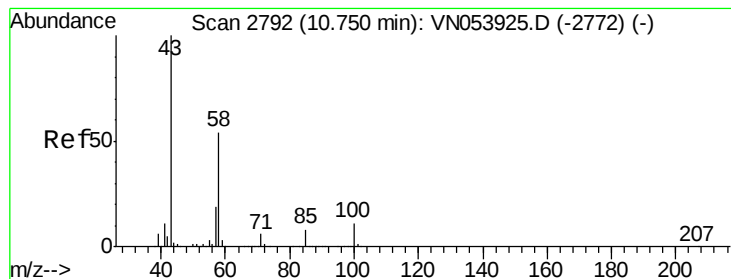
Tot Ion: 76 Resp: 544142
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.698 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

Tgt Ion: 63 Resp: 998005
 Ion Ratio Lower Upper
 63 100
 106 24.9 22.2 33.2





#59

2-Hexanone

Concen: 284.613 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

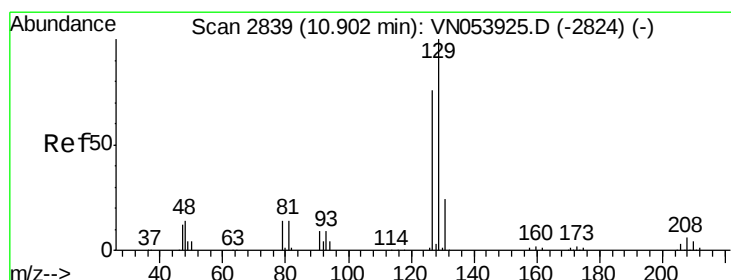
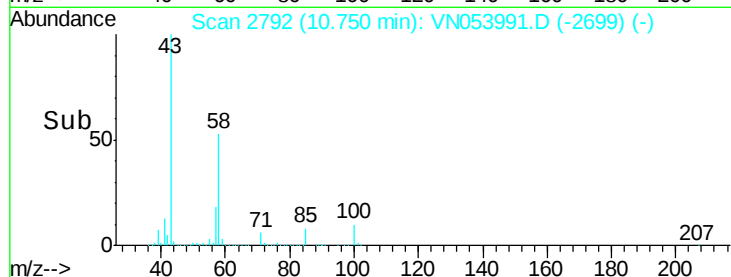
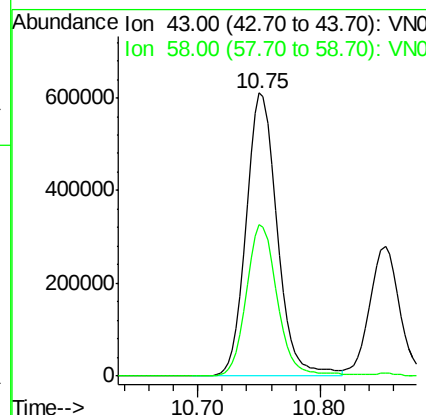
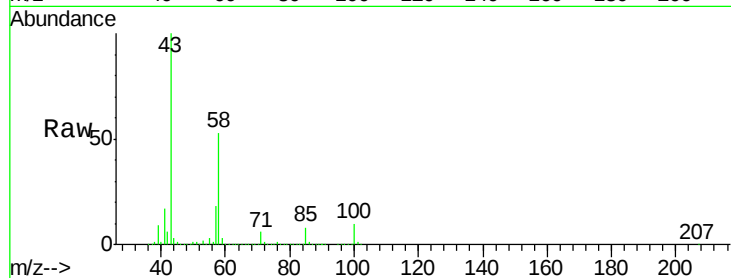
ClientSampleId :

Tot Ion: 43 Resp: 1066312

Ion Ratio Lower Upper

43 100

58 53.5 29.1 87.4



#60

Dibromochloromethane

Concen: 49.779 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN053991.D

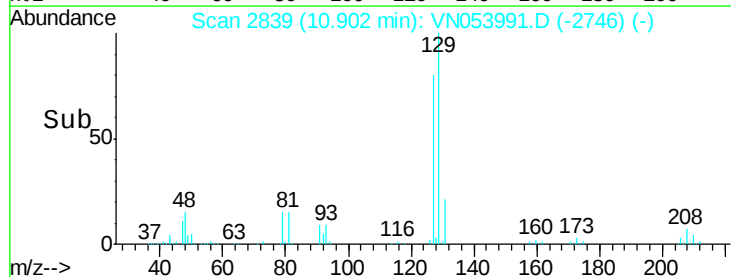
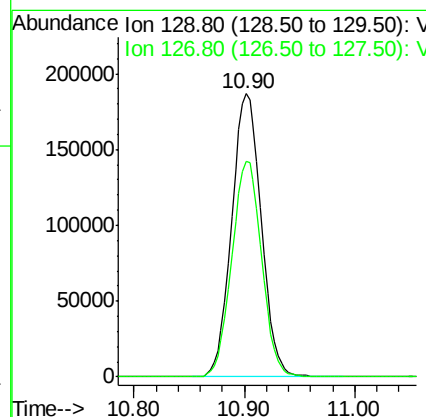
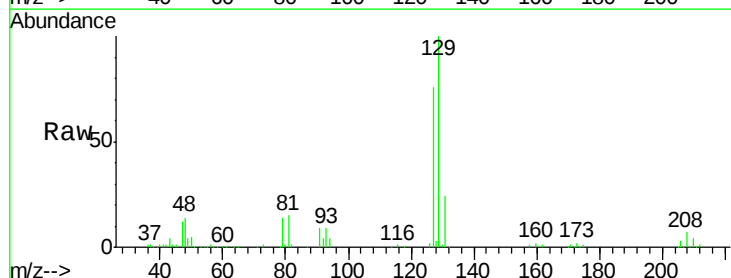
Acq: 28 Feb 2019 1:32

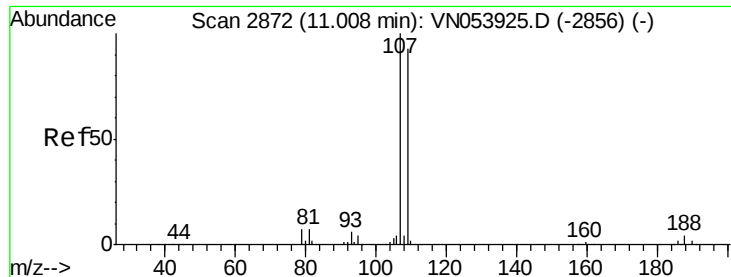
Tgt Ion: 129 Resp: 347518

Ion Ratio Lower Upper

129 100

127 76.7 38.8 116.3

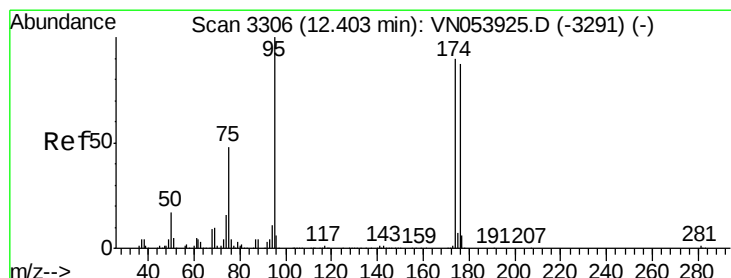
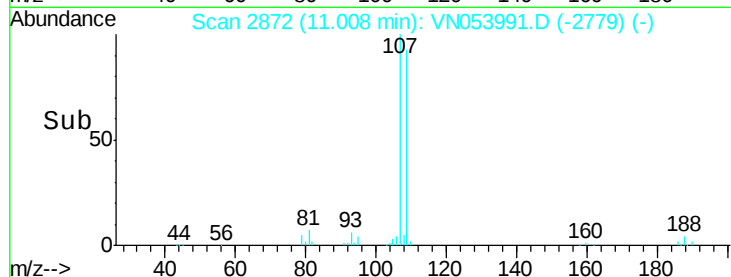
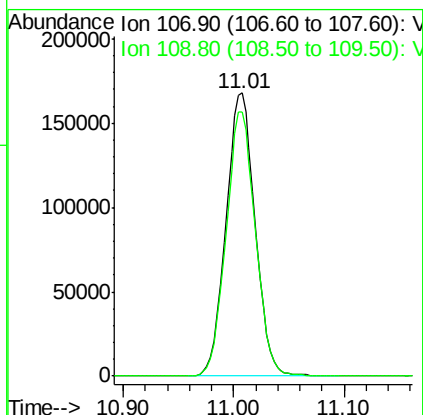
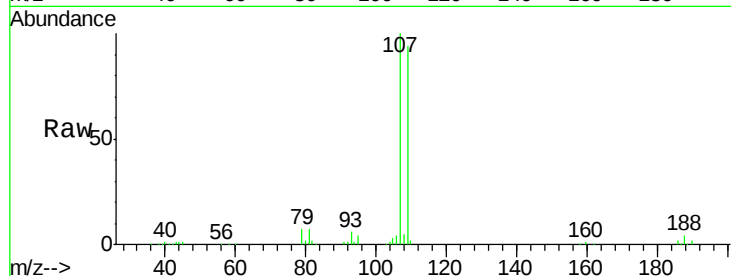




#61
1,2-Dibromoethane
Concen: 50.495 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

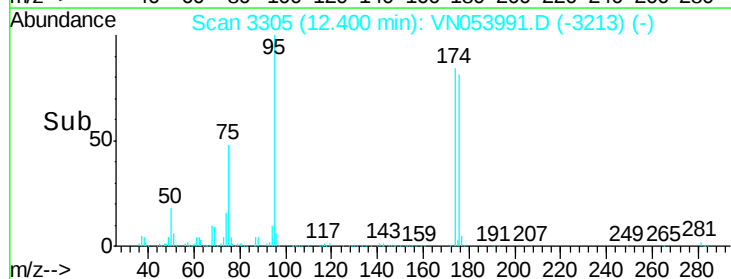
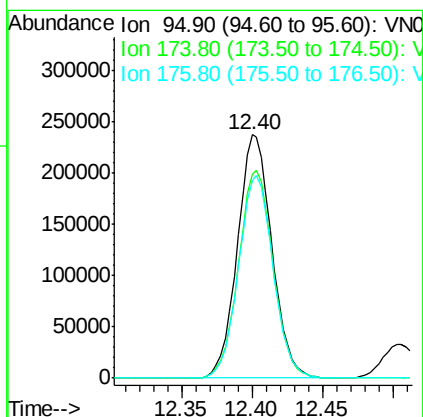
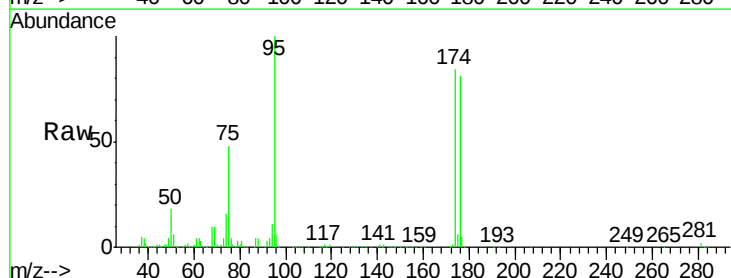
Instrument :
MSVOA_N
ClientSampleId :

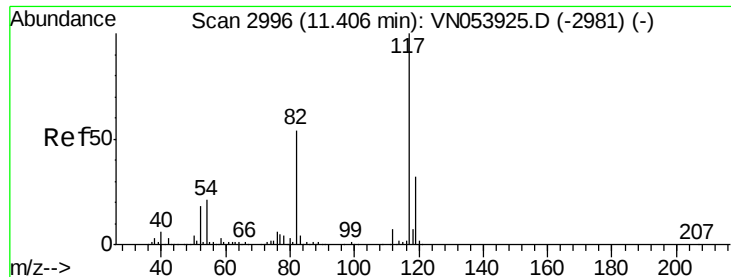
Tot Ion:107 Resp: 305980
Ion Ratio Lower Upper
107 100
109 94.2 76.3 114.5



#62
4-Bromofluorobenzene
Concen: 50.545 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion: 95 Resp: 405327
Ion Ratio Lower Upper
95 100
174 86.2 0.0 188.8
176 84.0 0.0 182.6

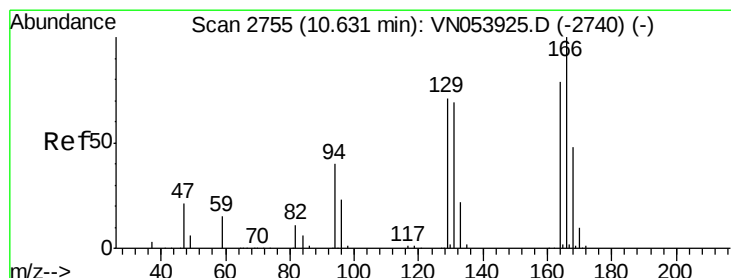
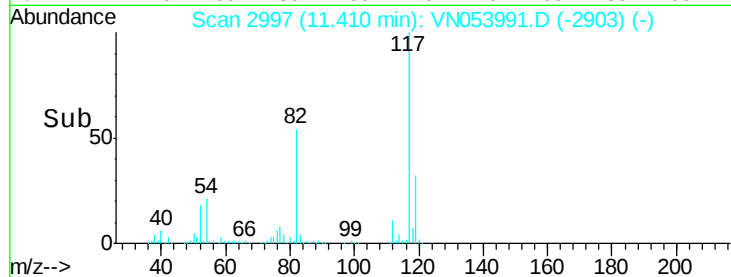
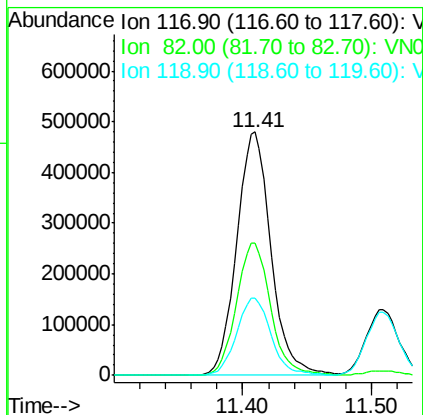
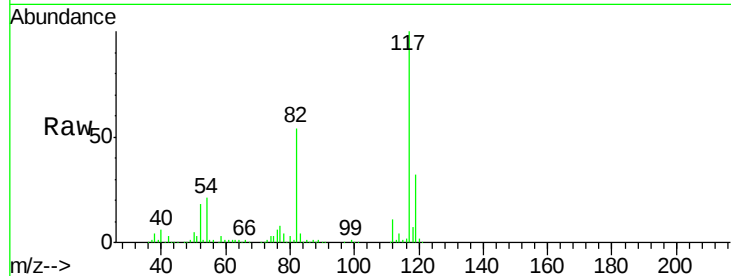




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

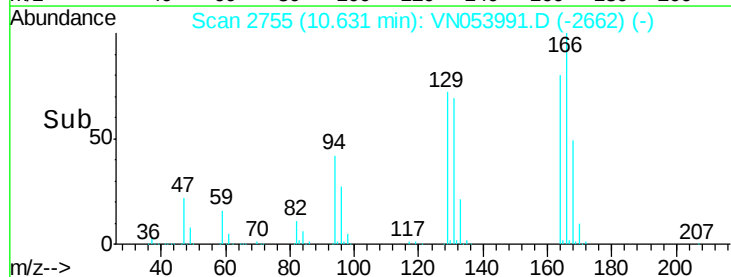
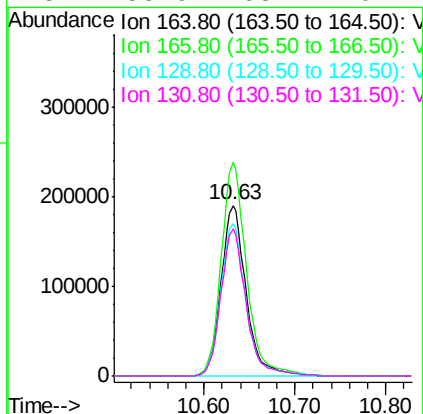
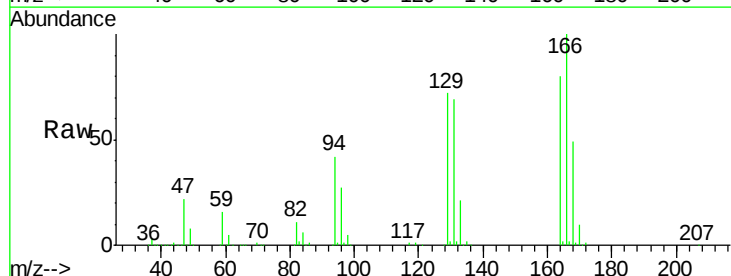
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 887572
Ion Ratio Lower Upper
117 100
82 54.4 41.4 62.2
119 32.0 25.3 37.9



#64
Tetrachloroethene
Concen: 48.293 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion:164 Resp: 362959
Ion Ratio Lower Upper
164 100
166 125.1 102.6 153.8
129 89.5 69.4 104.0
131 85.9 68.1 102.1

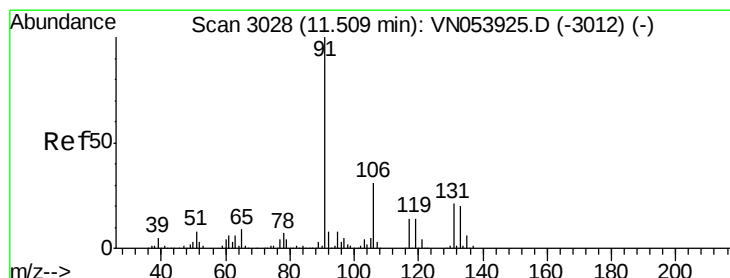
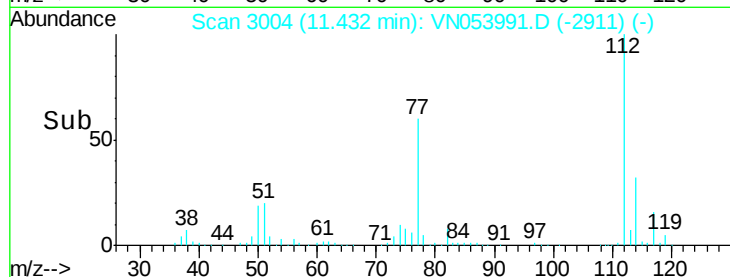
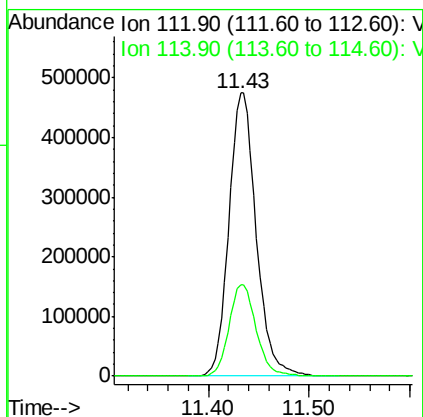
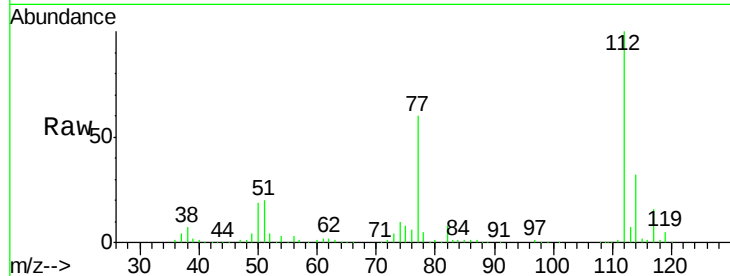




#65
Chlorobenzene
Concen: 47.671 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

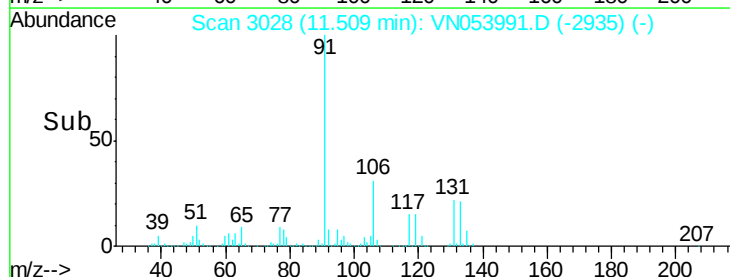
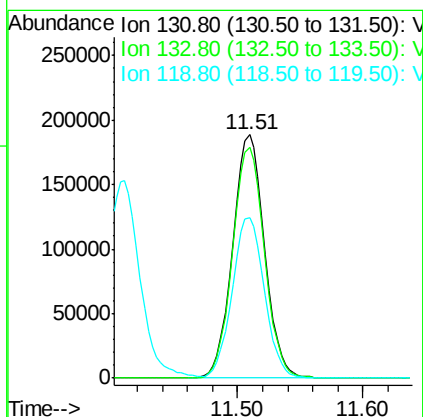
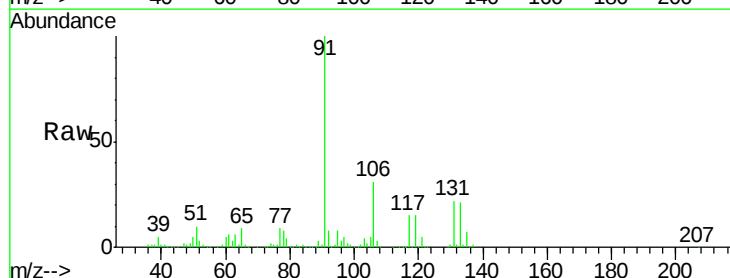
Instrument :
MSVOA_N
ClientSampled :

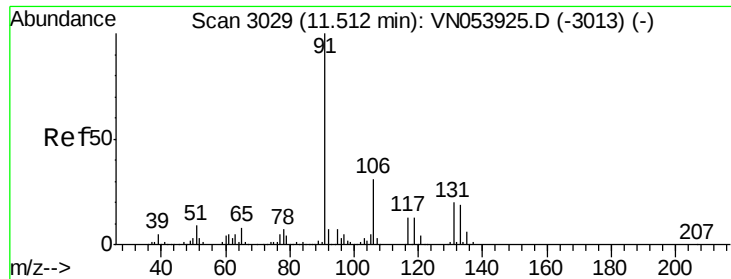
Tot Ion:112 Resp: 892978
Ion Ratio Lower Upper
112 100
114 32.5 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 49.093 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion:131 Resp: 331431
Ion Ratio Lower Upper
131 100
133 95.5 47.7 143.1
119 67.0 33.1 99.3

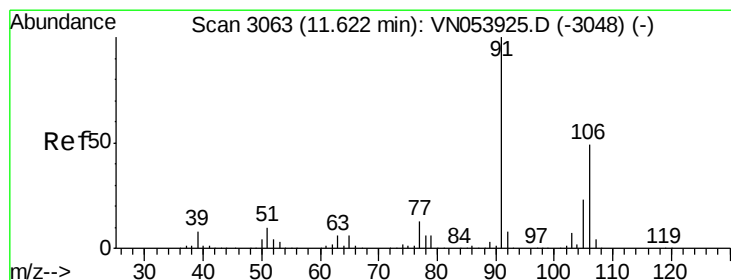
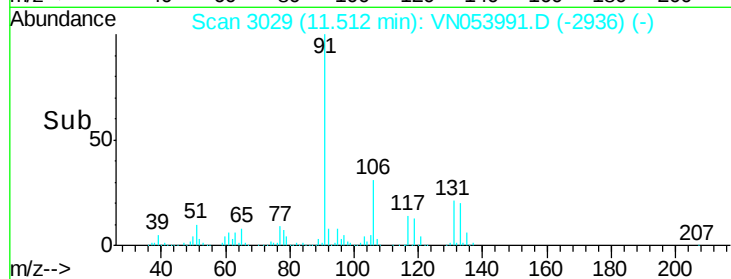
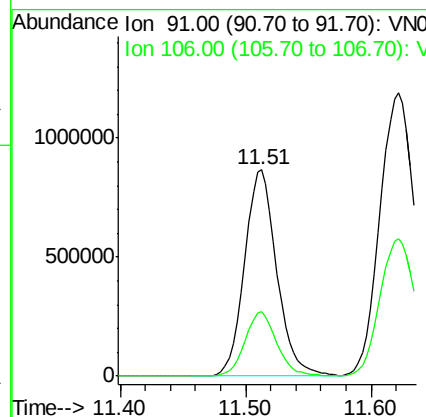
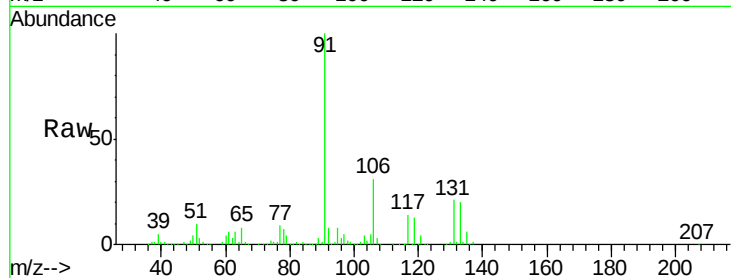




#67
Ethyl Benzene
Concen: 49.331 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

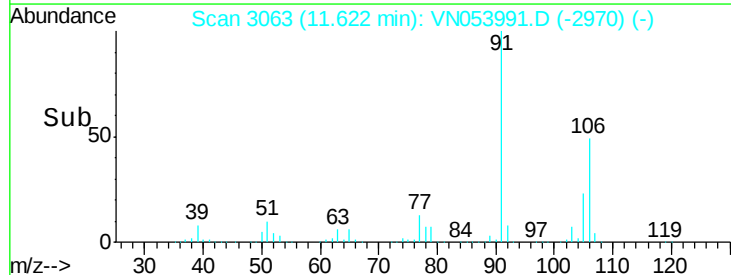
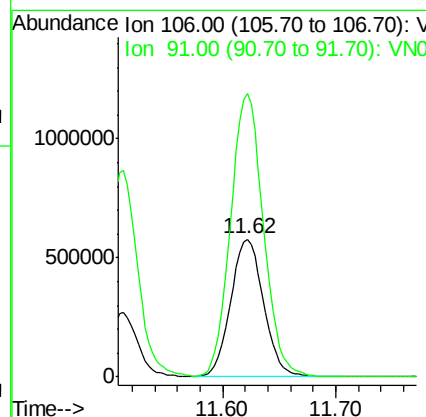
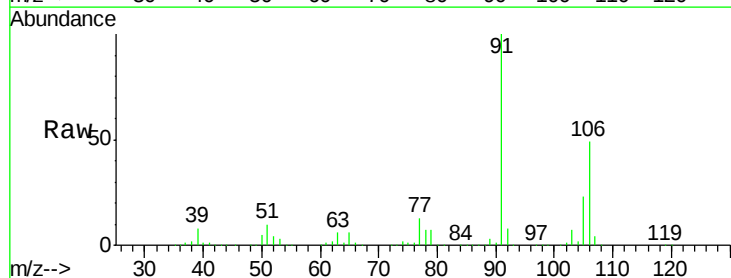
Instrument :
MSVOA_N
ClientSampled :

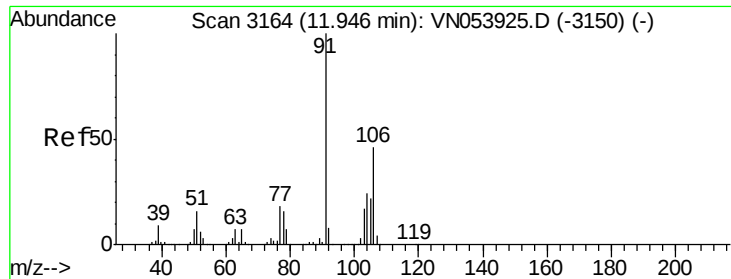
Tot Ion: 91 Resp: 1549117
Ion Ratio Lower Upper
91 100
106 31.0 25.2 37.8



#68
m/p-Xylenes
Concen: 98.962 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion: 106 Resp: 1172906
Ion Ratio Lower Upper
106 100
91 204.9 158.9 238.3

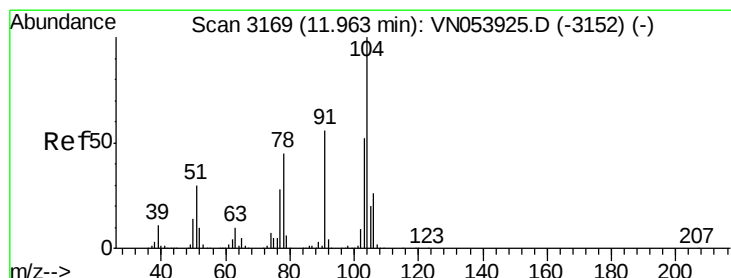
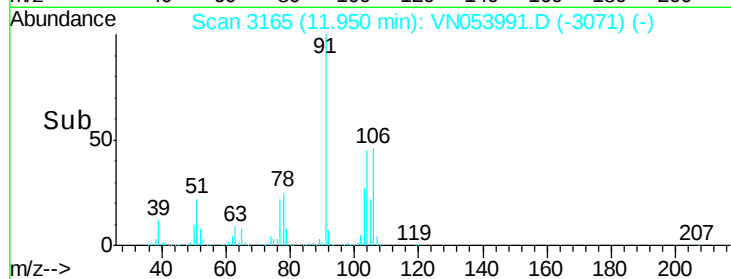
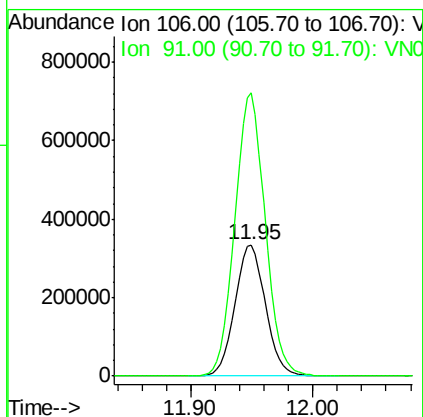
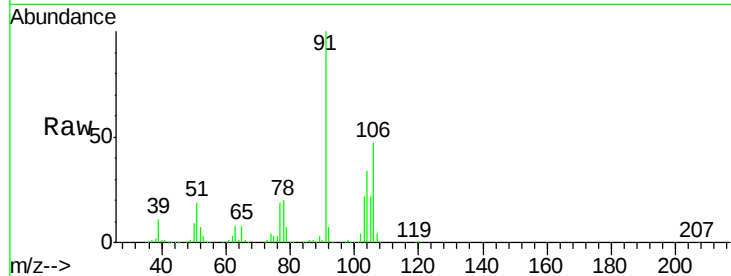




#69
o-Xylene
Concen: 49.588 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

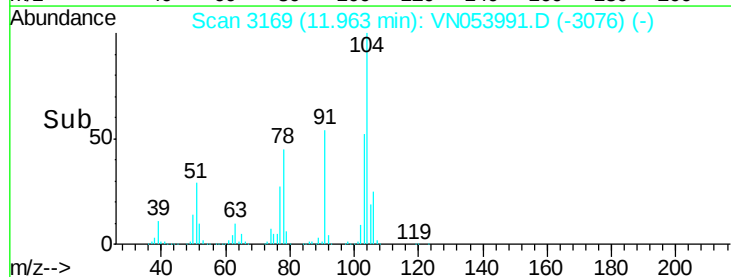
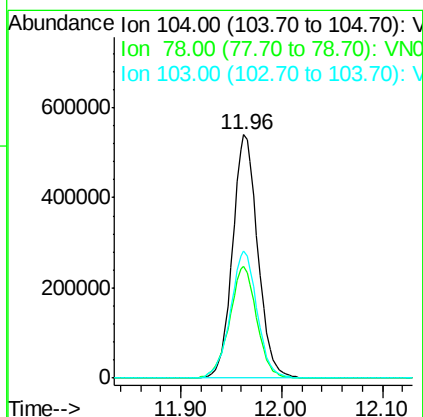
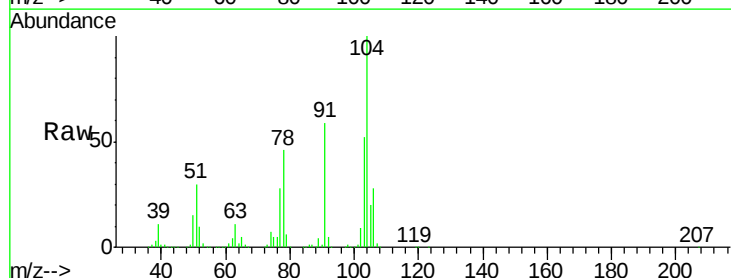
Instrument :
MSVOA_N
ClientSampled :

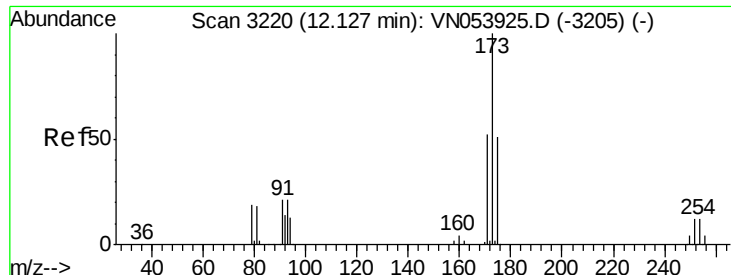
Tot Ion:106 Resp: 577481
Ion Ratio Lower Upper
106 100
91 215.1 106.0 318.0



#70
Styrene
Concen: 52.289 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion:104 Resp: 936623
Ion Ratio Lower Upper
104 100
78 49.4 38.1 57.1
103 55.5 44.6 67.0

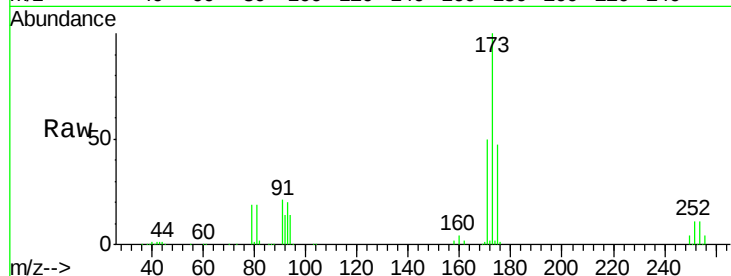




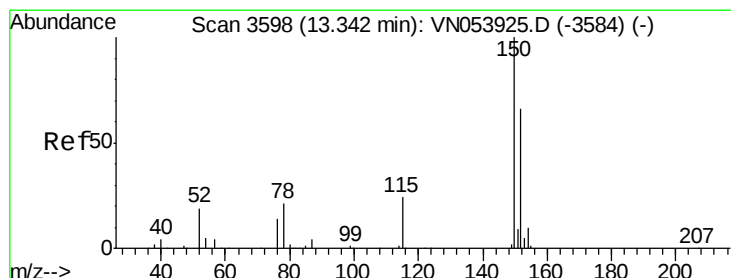
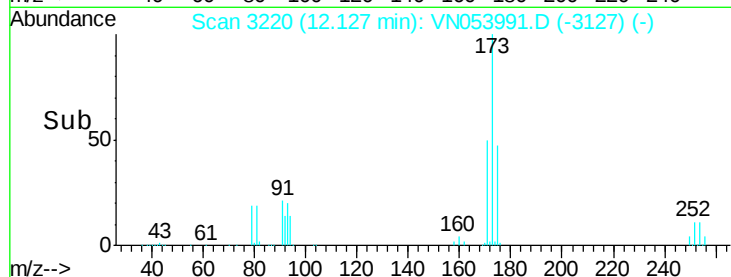
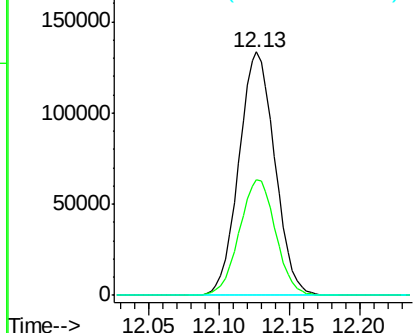
#71
Bromoform
Concen: 50.626 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 237773
Ion Ratio Lower Upper
173 100
175 48.0 24.3 72.8
254 0.1 0.2 0.2#

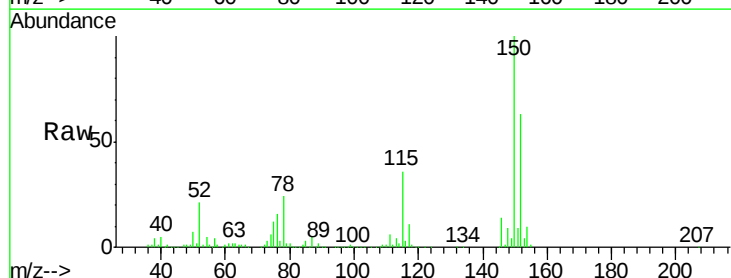


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

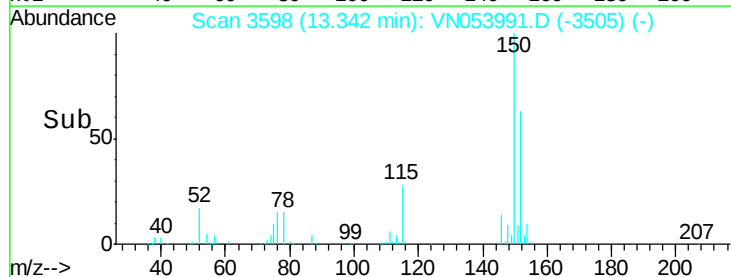
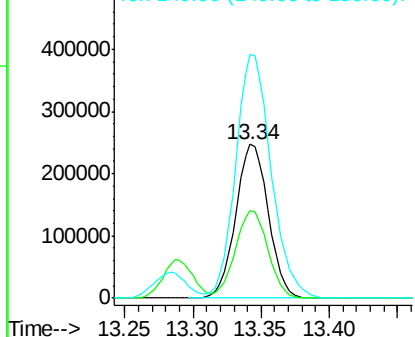


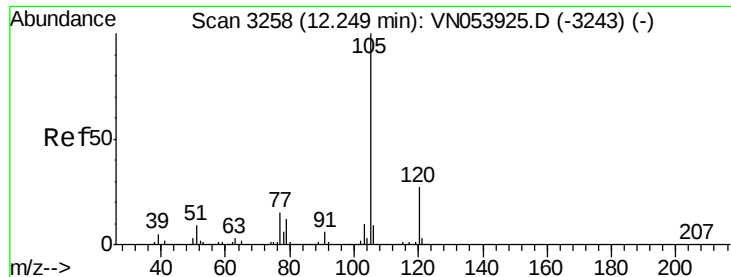
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion:152 Resp: 408713
Ion Ratio Lower Upper
152 100
115 57.1 27.2 81.6
150 173.1 0.0 348.2



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





#73

Isopropylbenzene

Concen: 47.021 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

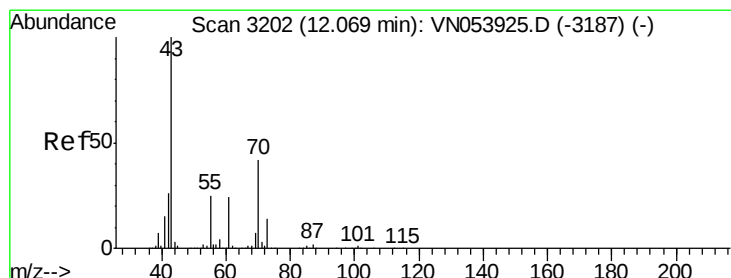
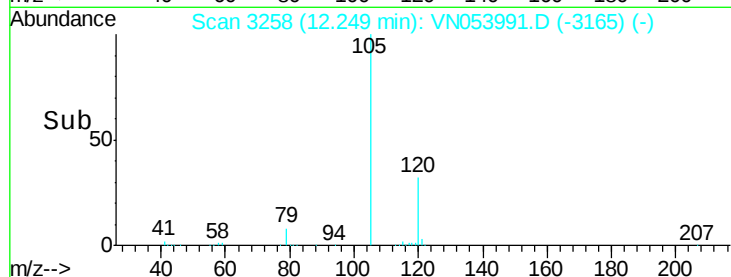
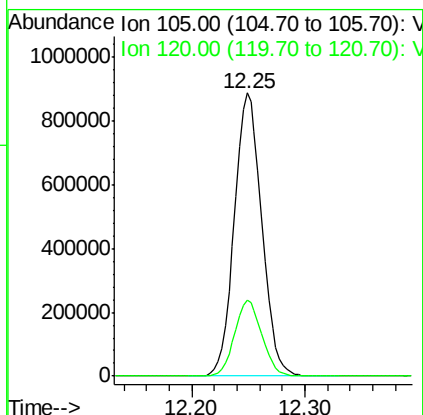
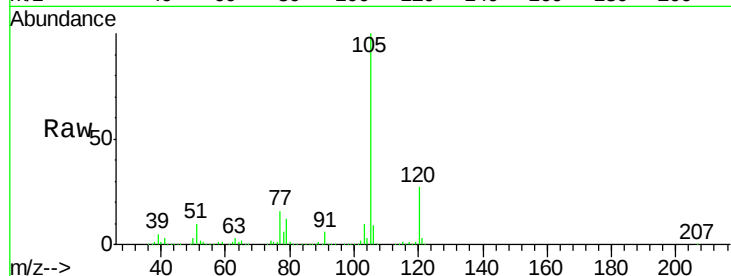
ClientSampled :

Tot Ion:105 Resp: 1496012

Ion Ratio Lower Upper

105 100

120 26.4 13.5 40.5



#74

N-ethyl acetate

Concen: 56.544 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Tgt Ion: 43 Resp: 471507

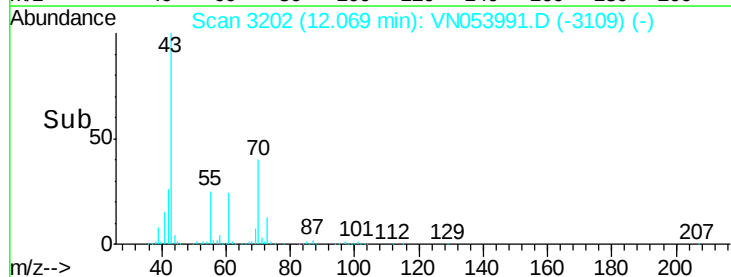
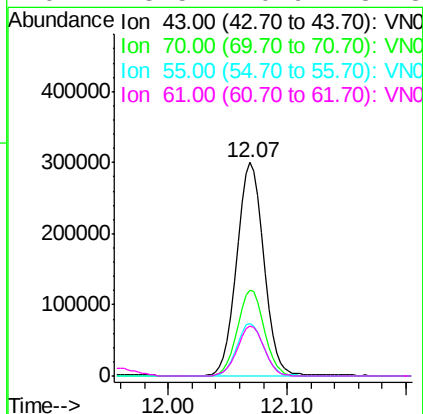
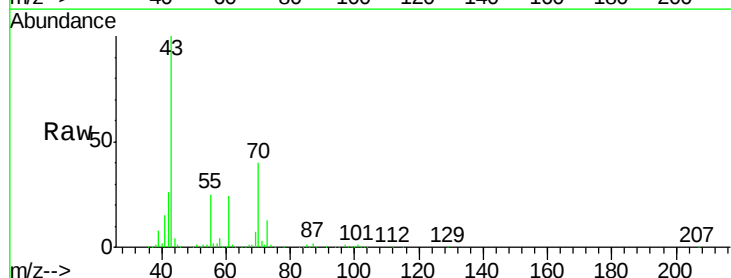
Ion Ratio Lower Upper

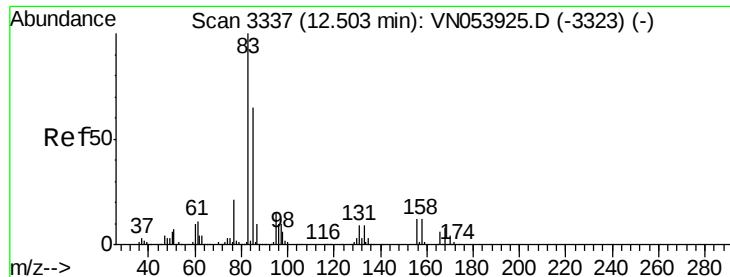
43 100

70 40.4 37.4 56.2

55 24.7 21.4 32.0

61 23.5 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 49.453 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

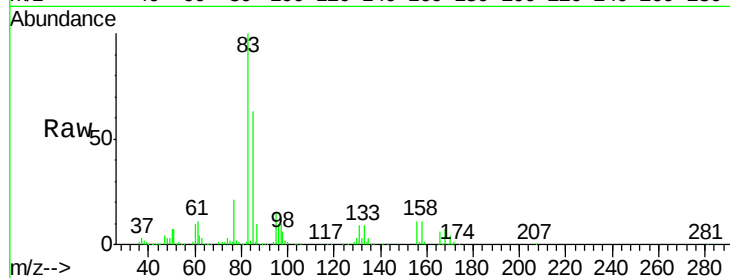
Tot Ion: 83 Resp: 393448

Ion Ratio Lower Upper

83 100

131 9.7 5.3 16.1

85 62.8 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN053991.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN053991.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN053991.D (-3244) (-)

12.50

250000

200000

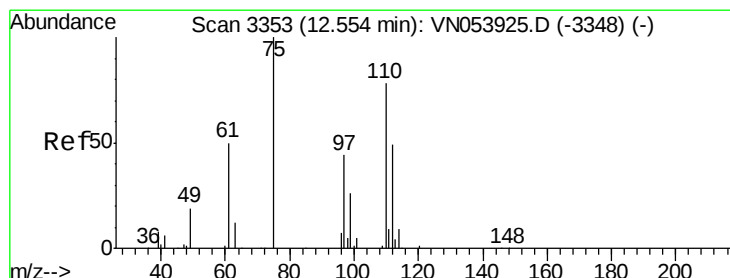
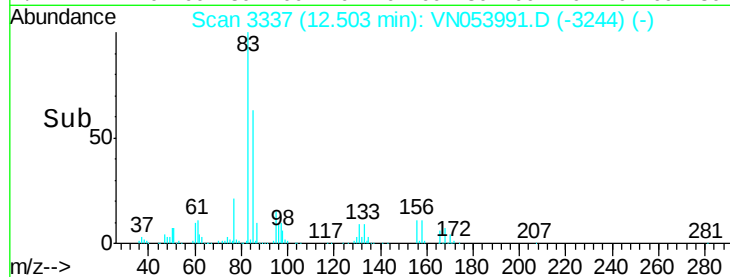
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 73.084 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053991.D

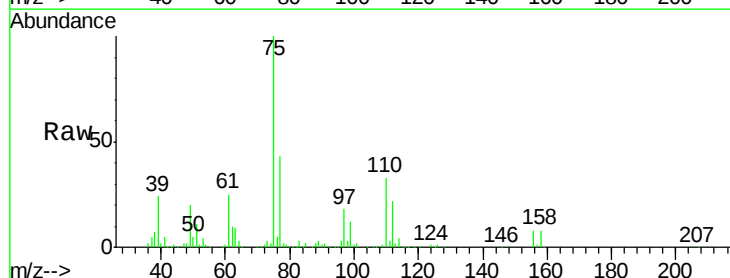
Acq: 28 Feb 2019 1:32

Tgt Ion: 75 Resp: 479173

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053991.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053991.D (-3260) (-)

400000

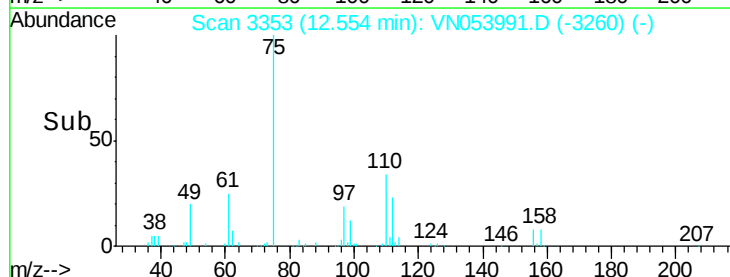
300000

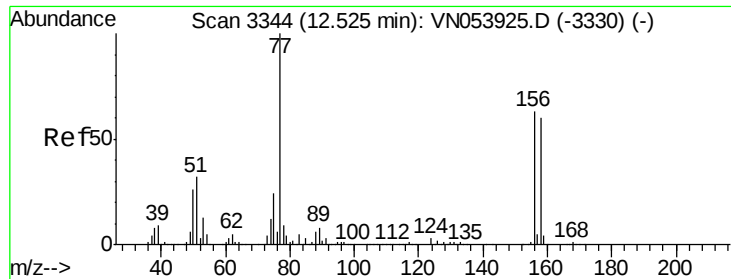
200000

100000

0

Time-->





#77

Bromobenzene

Concen: 46.890 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

ClientSampled :

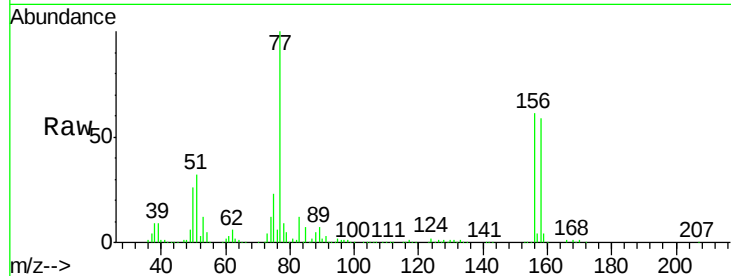
Tot Ion:156 Resp: 378766

Ion Ratio Lower Upper

156 100

77 192.5 84.0 252.2

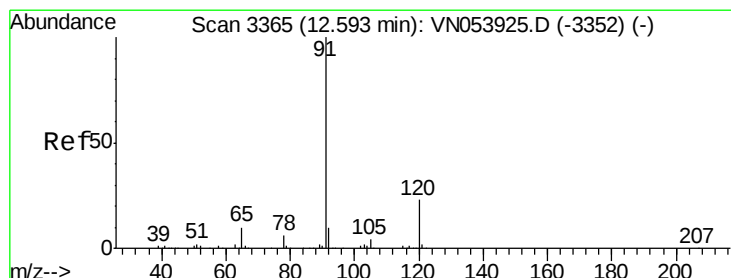
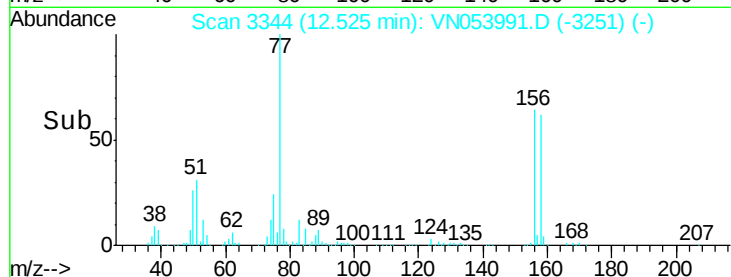
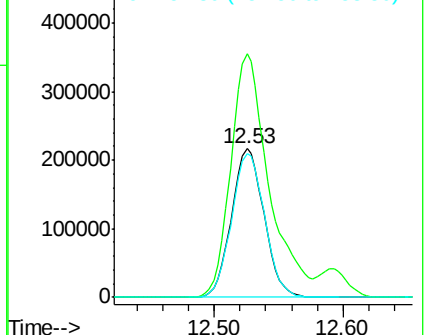
158 98.5 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.233 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053991.D

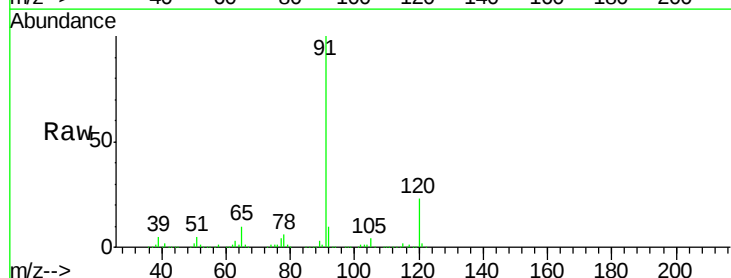
Acq: 28 Feb 2019 1:32

Tgt Ion: 91 Resp: 1745210

Ion Ratio Lower Upper

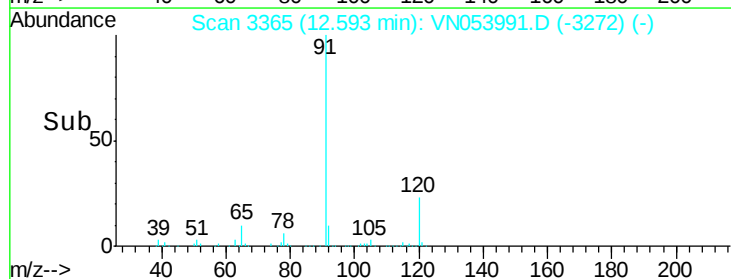
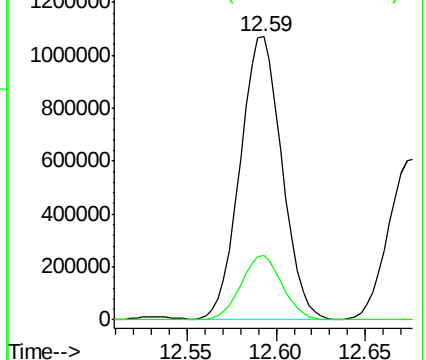
91 100

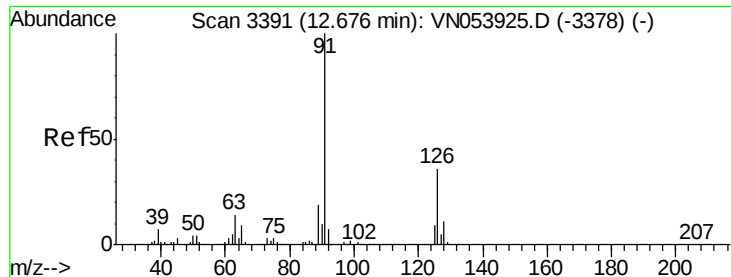
120 22.5 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.094 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

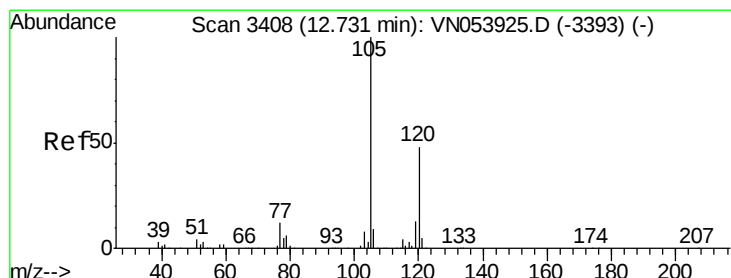
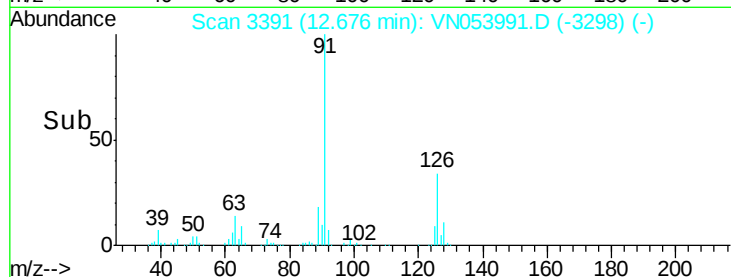
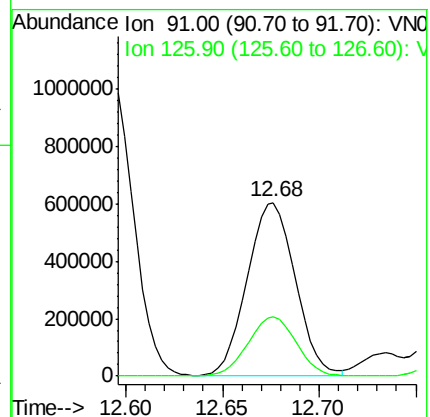
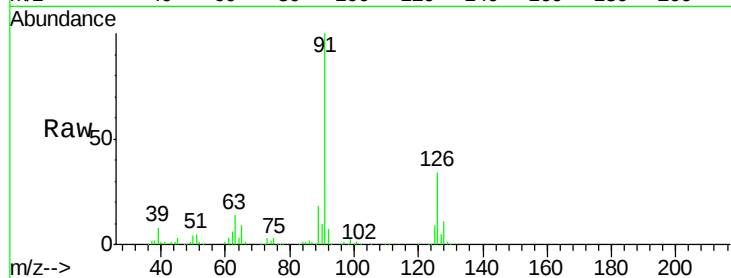
ClientSampleId :

Tot Ion: 91 Resp: 1045356

Ion Ratio Lower Upper

91 100

126 34.3 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 49.232 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053991.D

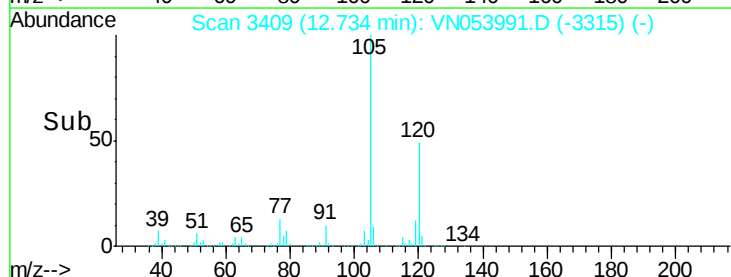
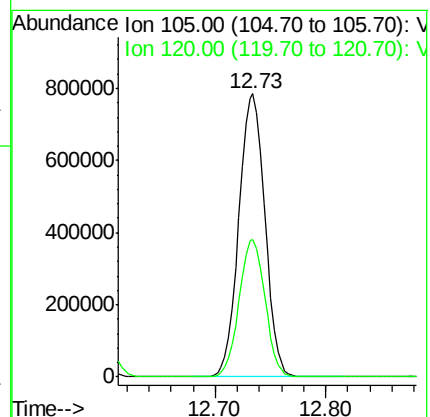
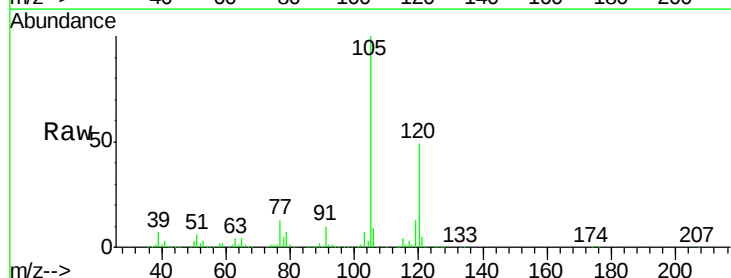
Acq: 28 Feb 2019 1:32

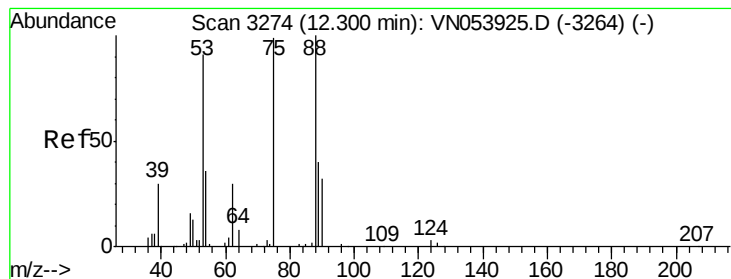
Tgt Ion: 105 Resp: 1282316

Ion Ratio Lower Upper

105 100

120 48.4 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 49.960 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

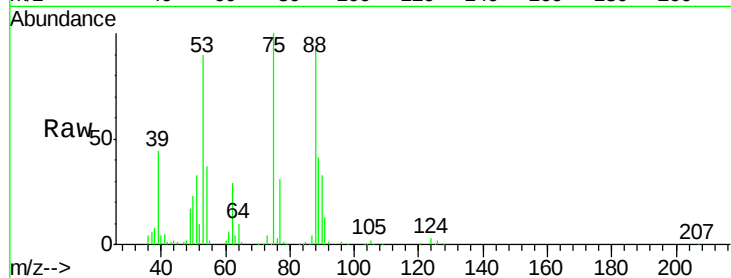
Tot Ion: 75 Resp: 103638

Ion Ratio Lower Upper

75 100

53 91.1 68.6 102.8

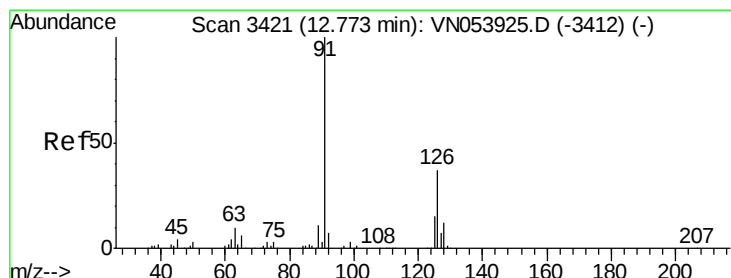
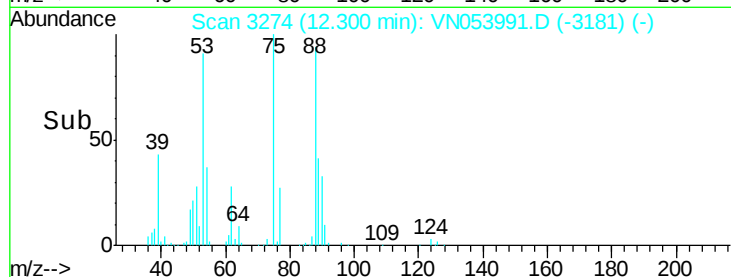
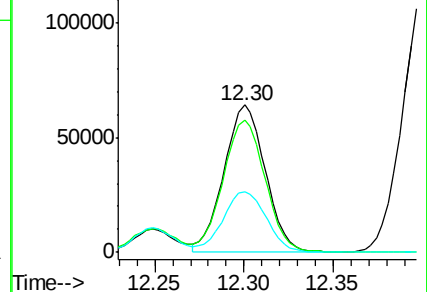
89 43.4 35.3 52.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 48.900 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053991.D

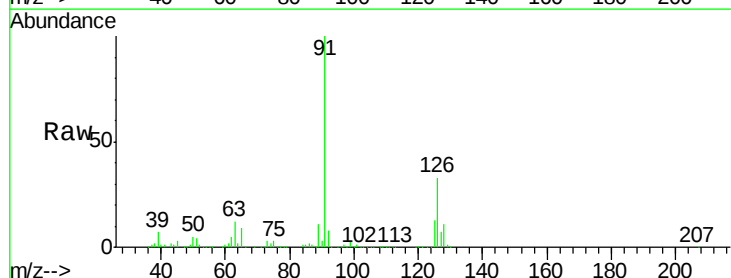
Acq: 28 Feb 2019 1:32

Tgt Ion: 91 Resp: 1050476

Ion Ratio Lower Upper

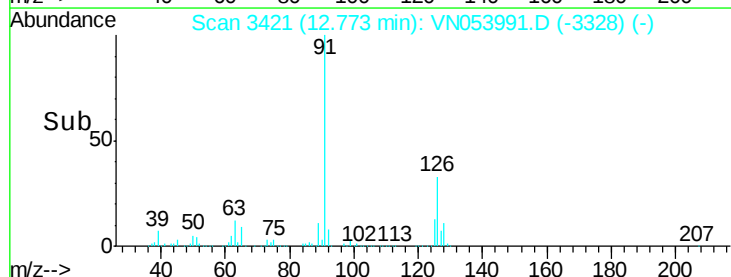
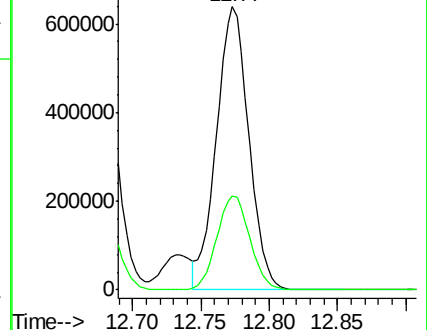
91 100

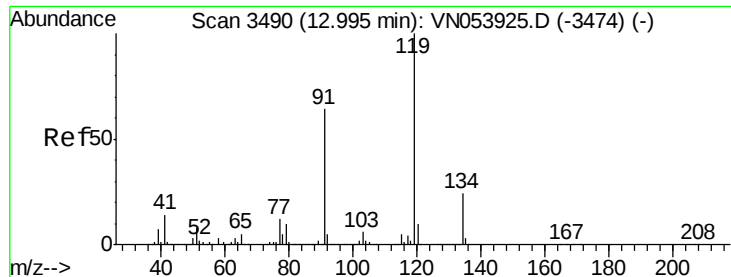
126 33.8 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

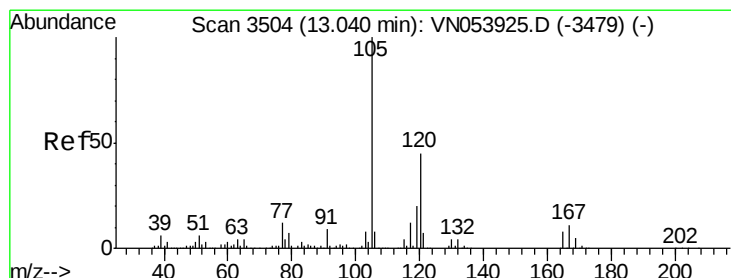
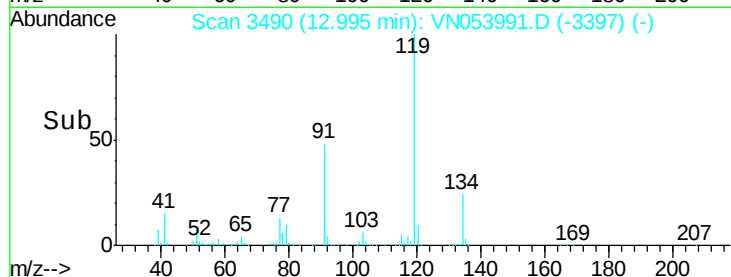
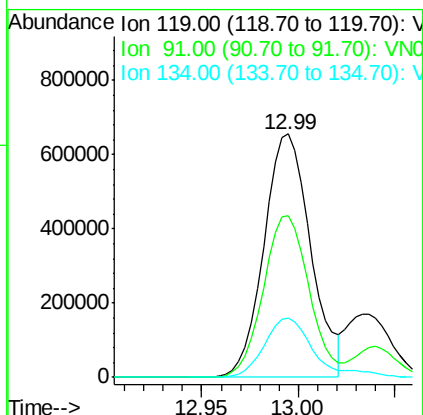
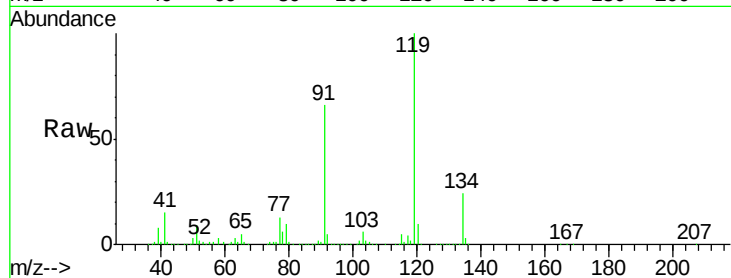




#83
tert-Butylbenzene
Concen: 47.867 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

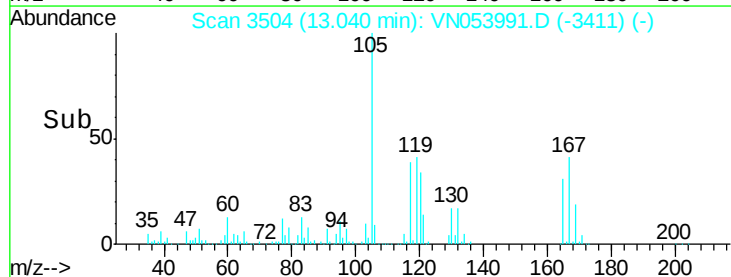
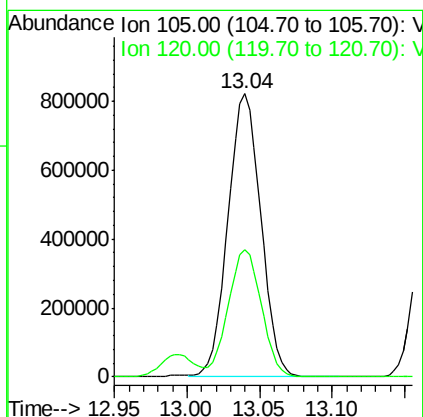
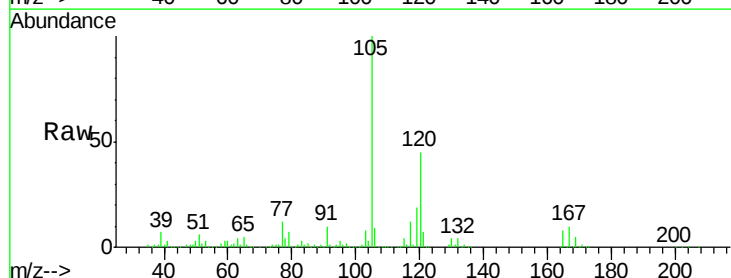
Instrument :
MSVOA_N
ClientSampled :

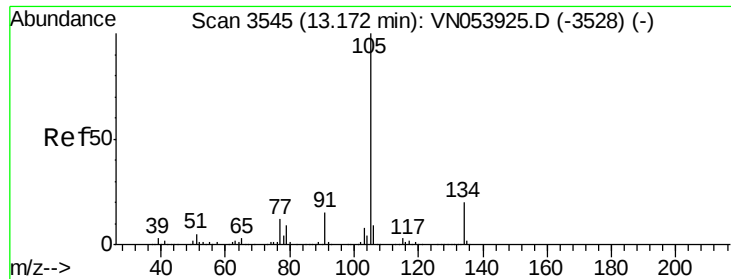
Tot Ion:119 Resp: 1102686
Ion Ratio Lower Upper
119 100
91 65.5 30.6 91.8
134 25.8 13.0 39.0



#84
1,2,4-Trimethylbenzene
Concen: 49.808 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion:105 Resp: 1295167
Ion Ratio Lower Upper
105 100
120 45.5 23.2 69.5





#85

sec-Butylbenzene

Concen: 48.187 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

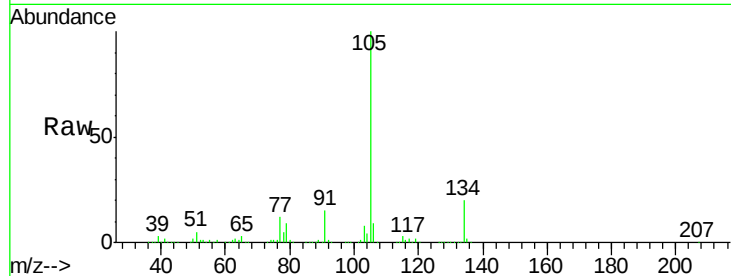
ClientSampled :

Tot Ion:105 Resp: 1516148

Ion Ratio Lower Upper

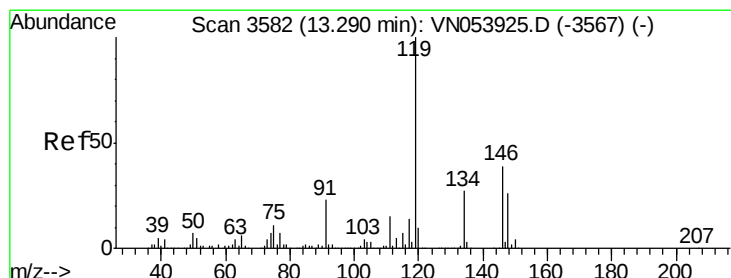
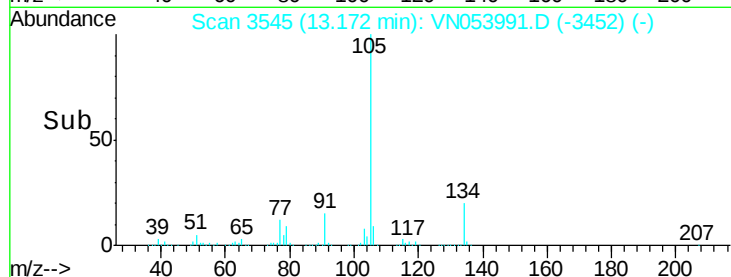
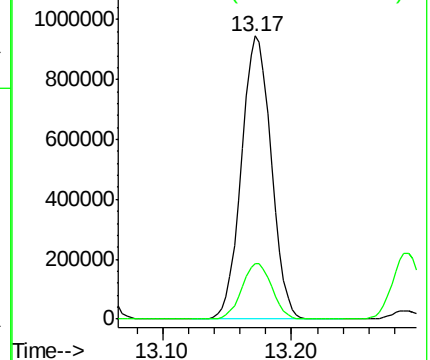
105 100

134 19.9 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.496 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

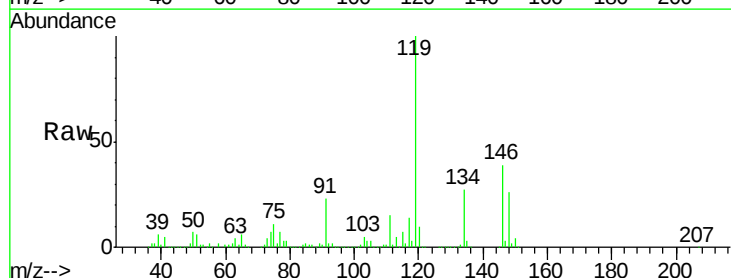
Tgt Ion:119 Resp: 1289924

Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.4

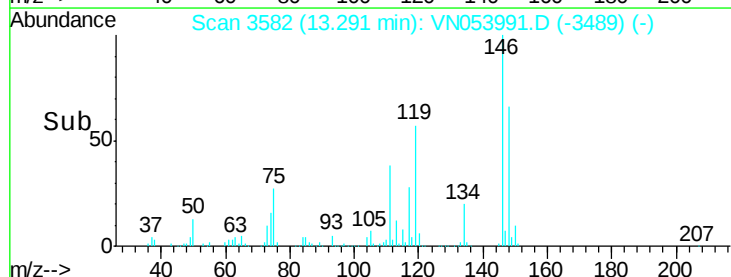
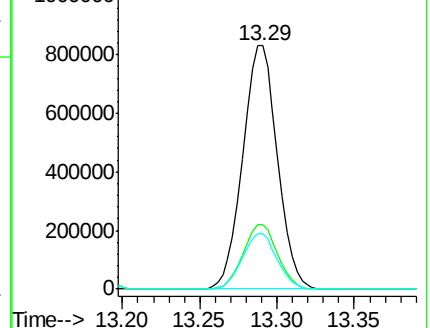
91 22.8 10.9 32.6

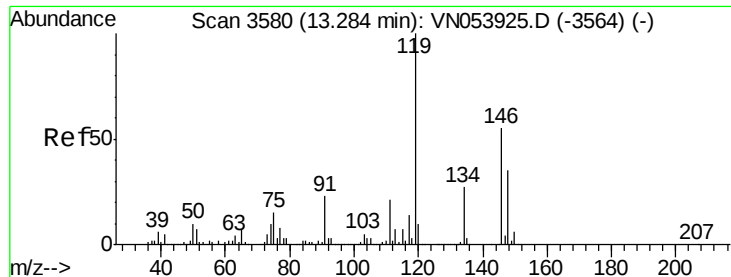


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

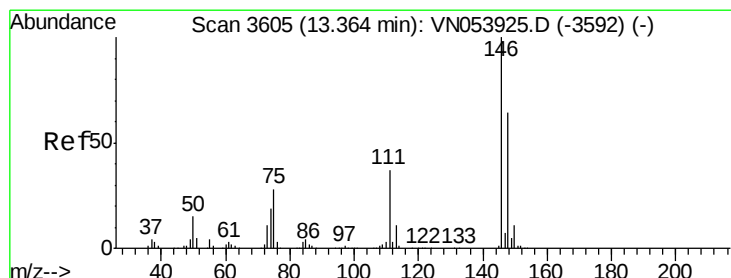
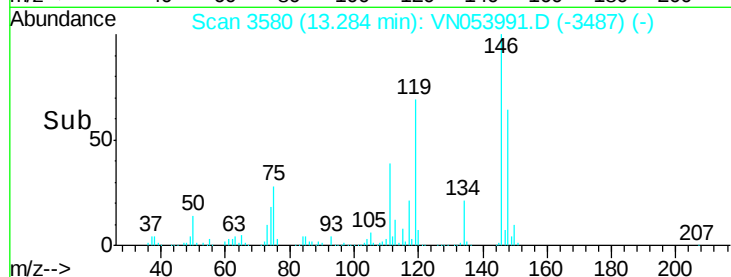
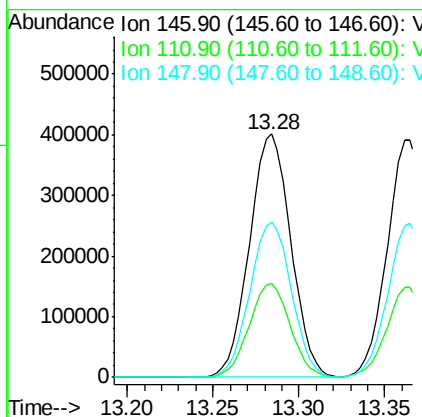
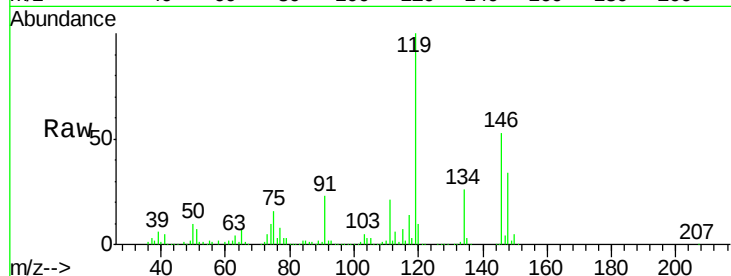




#87
 1,3-Dichlorobenzene
 Concen: 48.079 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

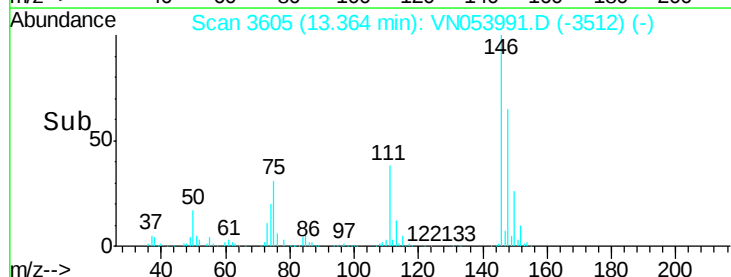
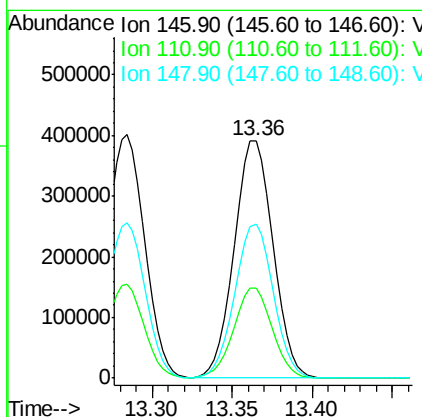
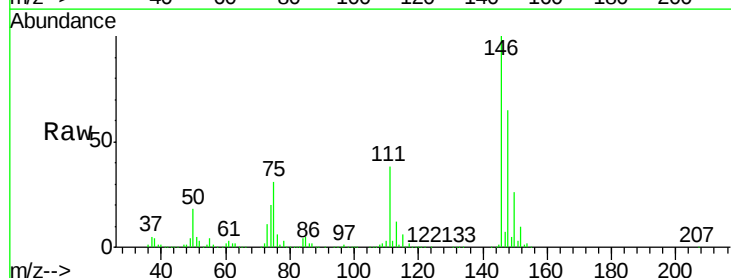
Instrument :
 MSVOA_N
 ClientSampleId :

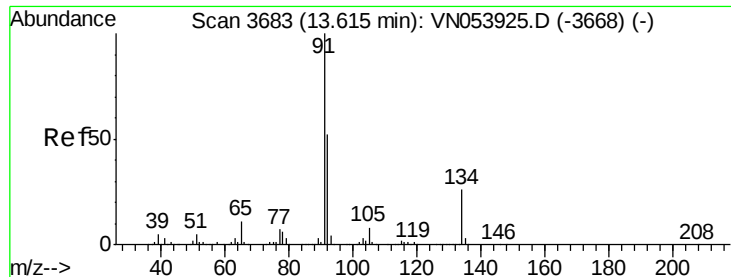
Tot Ion:146 Resp: 671844
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.7 56.1
 148 64.1 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 47.670 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

Tgt Ion:146 Resp: 646259
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.0 54.0
 148 64.5 32.1 96.5

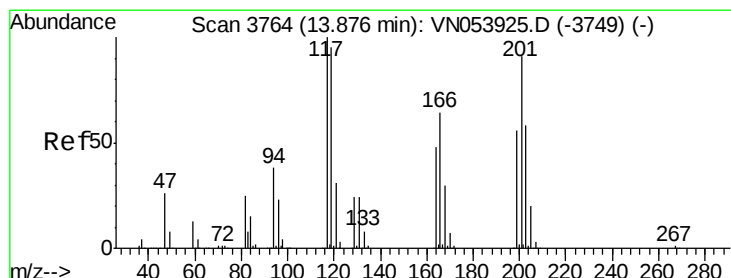
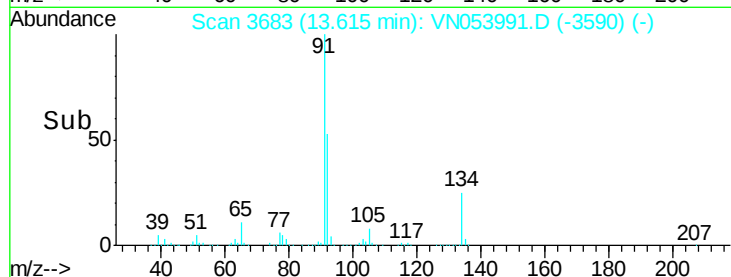
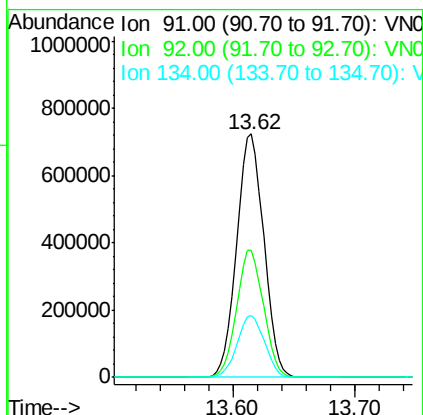
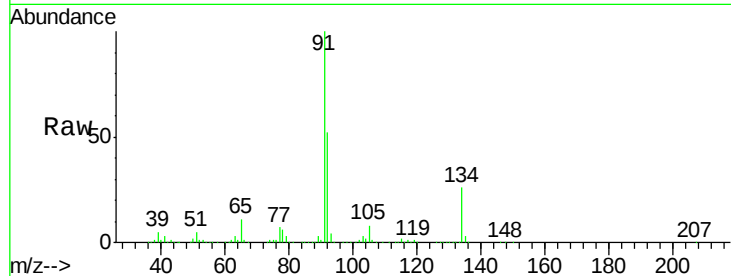




#89
n-Butylbenzene
Concen: 49.744 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

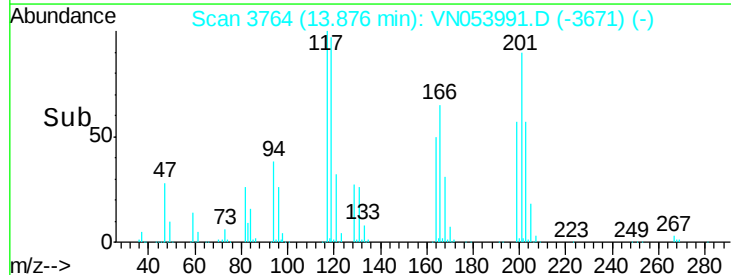
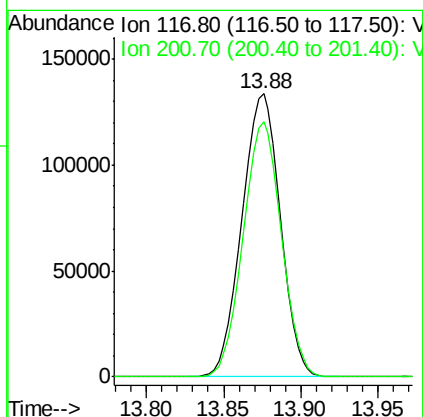
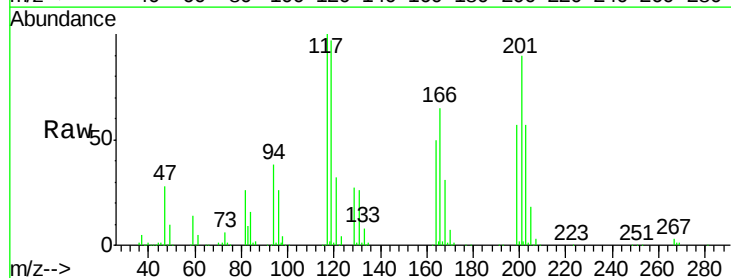
Instrument :
MSVOA_N
ClientSampled :

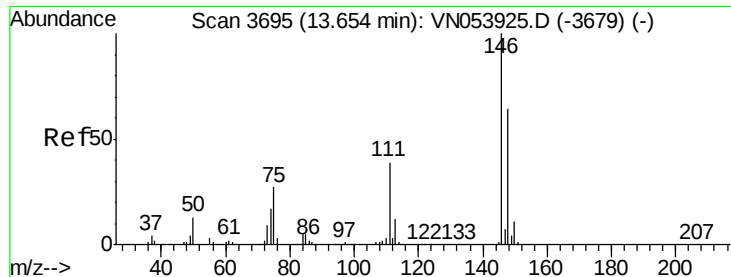
Tot Ion: 91 Resp: 1115079
Ion Ratio Lower Upper
91 100
92 51.8 26.1 78.2
134 25.6 13.6 40.8



#90
Hexachloroethane
Concen: 44.943 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion: 117 Resp: 231652
Ion Ratio Lower Upper
117 100
201 89.3 48.0 144.2





#91

1,2-Dichlorobenzene

Concen: 48.665 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

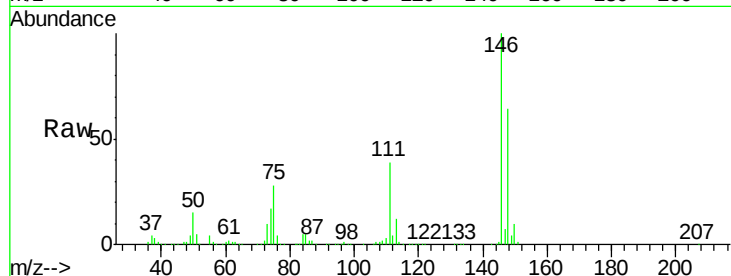
Tot Ion:146 Resp: 658273

Ion Ratio Lower Upper

146 100

111 39.8 19.1 57.5

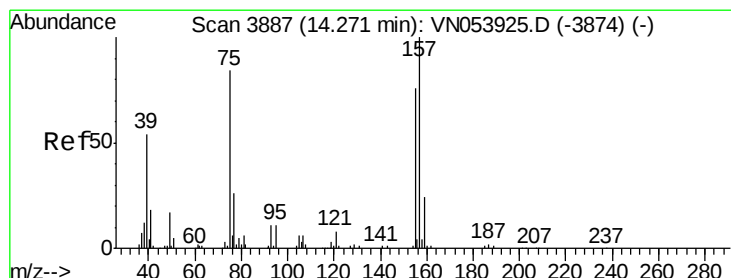
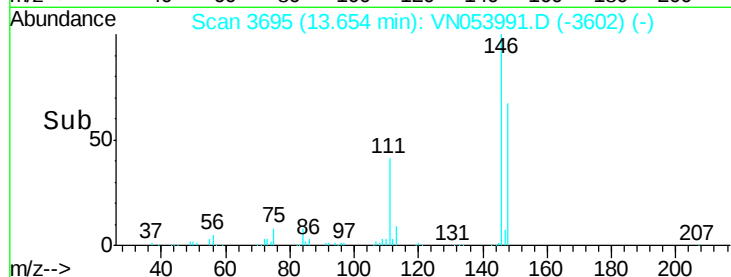
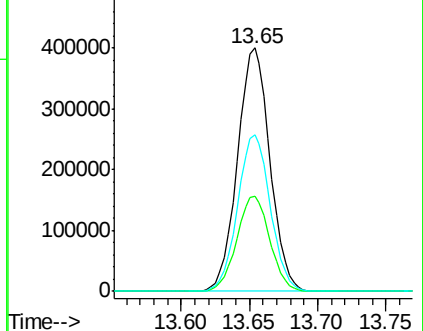
148 64.8 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.615 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

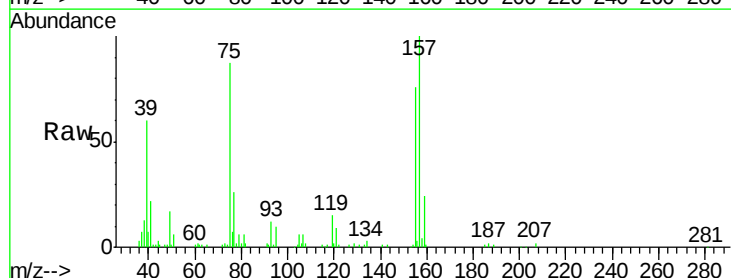
Tgt Ion: 75 Resp: 59156

Ion Ratio Lower Upper

75 100

155 88.3 49.5 148.5

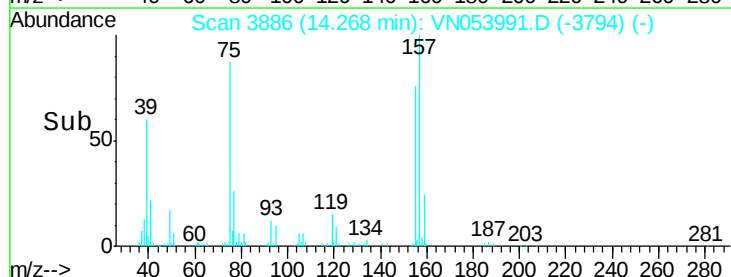
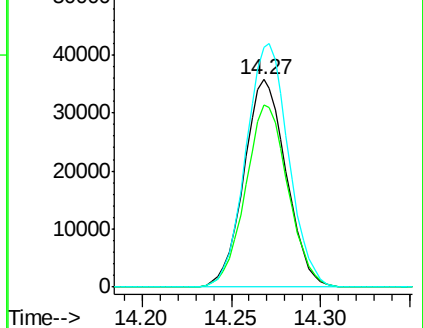
157 118.1 64.8 194.6

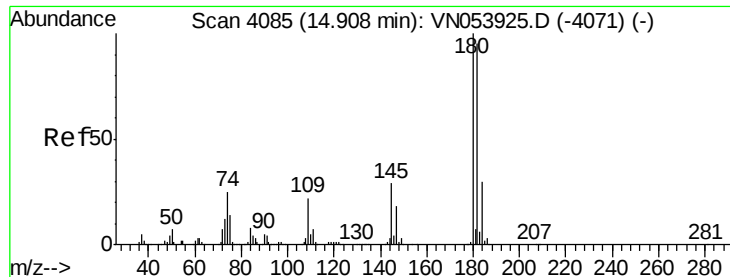


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

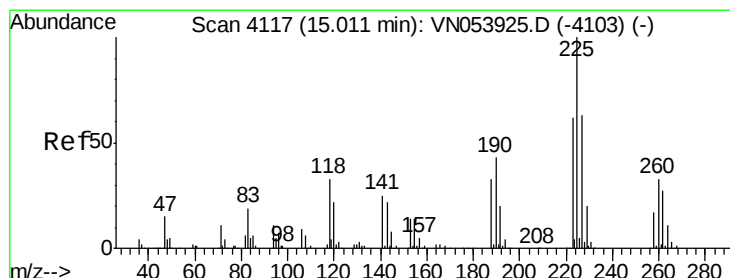
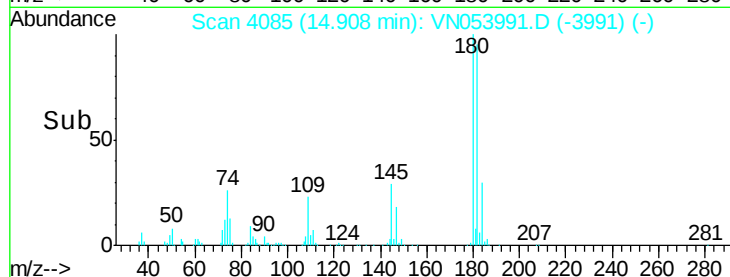
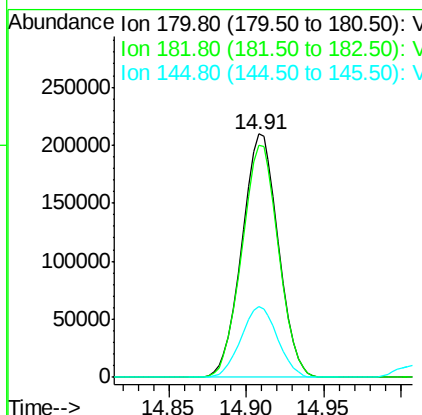
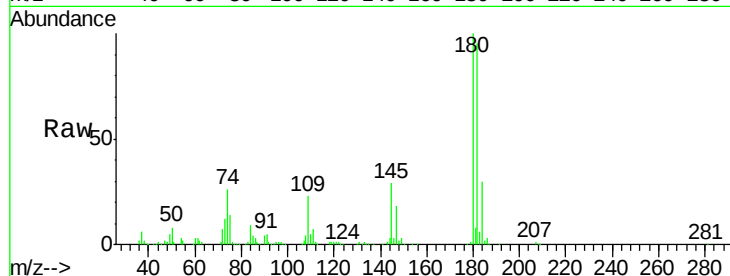




#93
 1,2,4-Trichlorobenzene
 Concen: 45.841 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

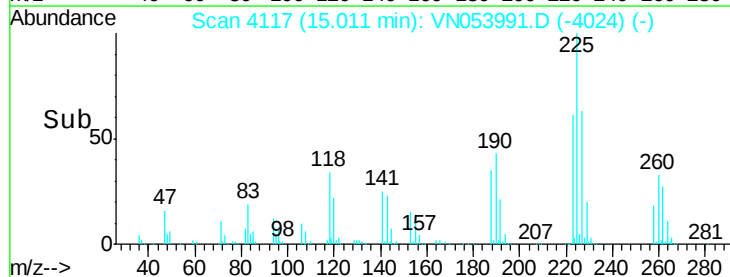
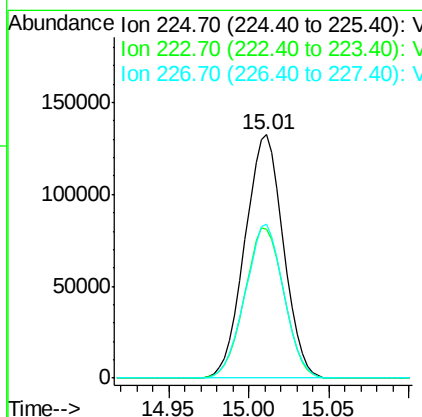
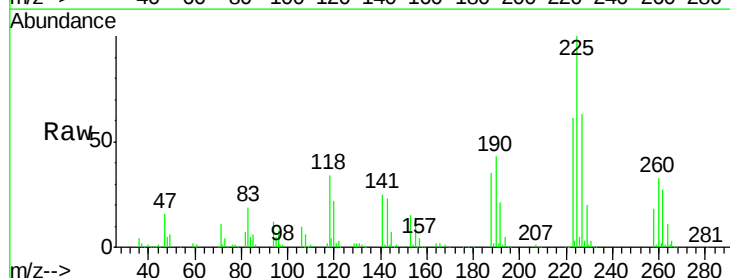
Instrument :
 MSVOA_N
 ClientSampled :

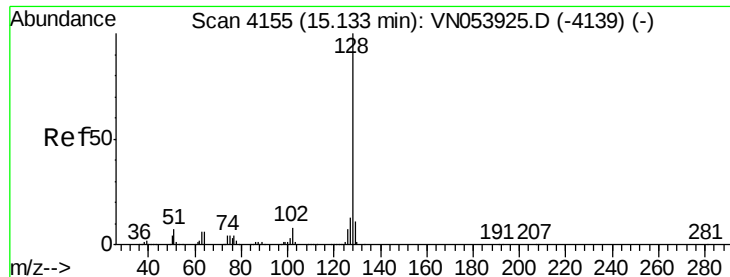
Tot Ion:180 Resp: 342919
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.6 145.9
 145 29.2 13.8 41.3



#94
 Hexachlorobutadiene
 Concen: 44.732 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

Tgt Ion:225 Resp: 218568
 Ion Ratio Lower Upper
 225 100
 223 62.9 30.9 92.5
 227 63.4 32.5 97.4





#95

Naphthalene

Concen: 46.570 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

ClientSampled :

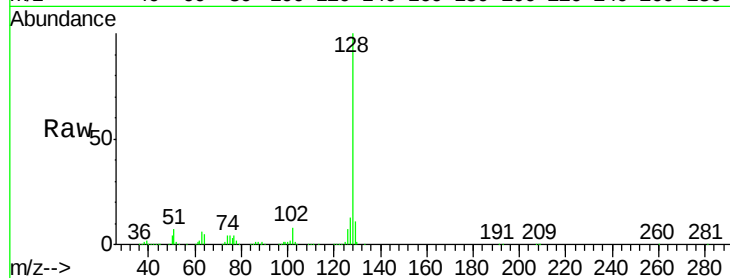
Tot Ion:128 Resp: 749828

Ion Ratio Lower Upper

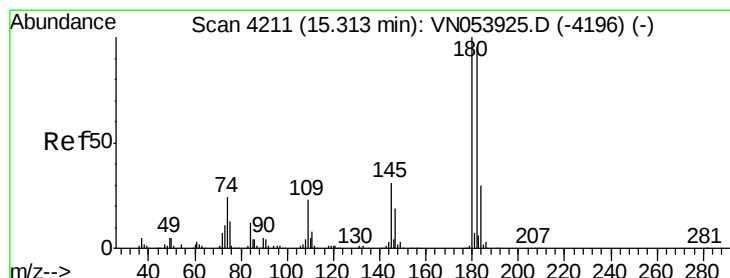
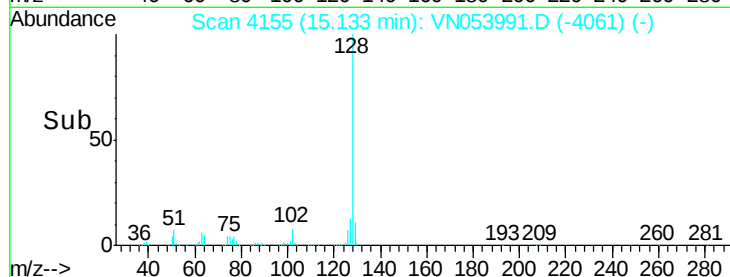
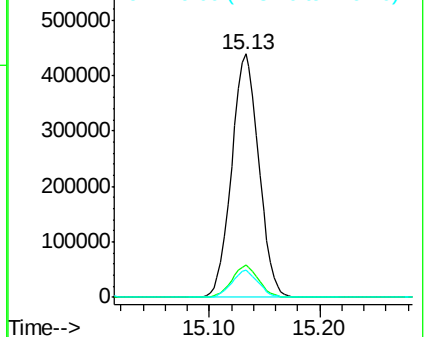
128 100

127 13.0 10.2 15.2

129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.651 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

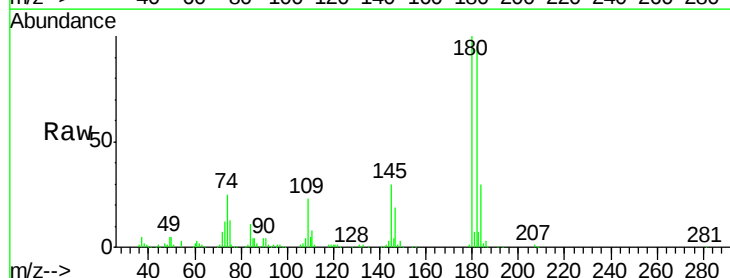
Tgt Ion:180 Resp: 342820

Ion Ratio Lower Upper

180 100

182 94.4 47.3 141.8

145 30.3 14.4 43.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

