

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054562.D
 Acq On : 22 Mar 2019 17:10
 Operator : JC/SP
 Sample : VN0322WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322WBSD01

Quant Time: Mar 23 02:32:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	447040	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	741415	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	627738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	255589	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	301705	54.26	ug/l	0.00
Spiked Amount			Recovery	=	108.52%	
35) Dibromofluoromethane	7.59	113	235789	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
50) Toluene-d8	10.09	98	875846	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
62) 4-Bromofluorobenzene	12.40	95	285204	46.67	ug/l	0.00
Spiked Amount			Recovery	=	93.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	91251	21.352	ug/l	99
3) Chloromethane	2.06	50	126465	21.750	ug/l	96
4) Vinyl Chloride	2.19	62	119909	20.540	ug/l	100
5) Bromomethane	2.58	94	69933	18.526	ug/l	94
6) Chloroethane	2.71	64	67791	19.360	ug/l	97
7) Trichlorofluoromethane	3.02	101	146388	20.648	ug/l	100
8) Diethyl Ether	3.41	74	52206	19.147	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.75	101	76587	18.381	ug/l	95
10) Methyl Iodide	3.94	142	107999	17.621	ug/l	90
11) Tert butyl alcohol	4.82	59	37125	110.280	ug/l	97
12) 1,1-Dichloroethene	3.73	96	77316	17.931	ug/l #	77
13) Acrolein	3.61	56	44460	95.701	ug/l	98
14) Allyl chloride	4.32	41	169654	20.895	ug/l #	91
15) Acrylonitrile	4.99	53	187442	111.809	ug/l	99
16) Acetone	3.82	43	140434	84.004	ug/l #	84
17) Carbon Disulfide	4.04	76	206692	17.890	ug/l	99
18) Methyl Acetate	4.33	43	84587	22.701	ug/l #	90
19) Methyl tert-butyl Ether	5.06	73	272797	21.678	ug/l	98
20) Methylene Chloride	4.55	84	103720	21.047	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	96083	21.823	ug/l	88
22) Diisopropyl ether	5.96	45	362898	22.659	ug/l #	93
23) Vinyl Acetate	5.90	43	1271619	112.420	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	194879	22.599	ug/l	97
25) 2-Butanone	6.85	43	236144	110.270	ug/l #	89
26) 2,2-Dichloropropane	6.83	77	115945	18.862	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	110340	21.011	ug/l	88
28) Bromochloromethane	7.20	49	95016	22.385	ug/l #	72
29) Tetrahydrofuran	7.22	42	159865	115.035	ug/l #	86
30) Chloroform	7.37	83	183266	21.777	ug/l	97
31) Cyclohexane	7.65	56	181070	20.830	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	150014	21.607	ug/l	95
36) 1,1-Dichloropropene	7.79	75	135173	19.499	ug/l	98
37) Ethyl Acetate	6.94	43	102964	20.883	ug/l #	94
38) Carbon Tetrachloride	7.77	117	130476	19.368	ug/l	98

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0322WBSD01

Quant Time: Mar 23 02:32:36 2019
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	146058	18.419	ug/l	89
40) Benzene	8.04	78	408760	20.620	ug/l	100
41) Methacrylonitrile	7.17	41	63130	20.995	ug/l #	87
42) 1,2-Dichloroethane	8.12	62	150351	20.827	ug/l	97
43) Isopropyl Acetate	8.17	43	174804	20.993	ug/l #	96
44) Trichloroethene	8.83	130	109507	19.870	ug/l	93
45) 1,2-Dichloropropane	9.12	63	115861	21.766	ug/l	99
46) Dibromomethane	9.21	93	66250	20.863	ug/l	89
47) Bromodichloromethane	9.40	83	135901	20.621	ug/l	99
48) Methyl methacrylate	9.20	41	93828	20.761	ug/l #	85
49) 1,4-Dioxane	9.20	88	20324	402.251	ug/l #	77
51) 4-Methyl-2-Pentanone	9.99	43	498617	108.048	ug/l	93
52) Toluene	10.16	92	245848	20.164	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	116890	18.295	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	149206	19.745	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	90517	20.653	ug/l	98
56) Ethyl methacrylate	10.43	69	116892	19.871	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	159121	20.886	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	231772	95.685	ug/l	90
59) 2-Hexanone	10.75	43	306824	101.788	ug/l	91
60) Dibromochloromethane	10.90	129	91324	19.582	ug/l	99
61) 1,2-Dibromoethane	11.00	107	88536	20.434	ug/l	99
64) Tetrachloroethene	10.63	164	107221	20.592	ug/l	98
65) Chlorobenzene	11.43	112	254205	19.910	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	94414	20.603	ug/l	99
67) Ethyl Benzene	11.51	91	451786	20.032	ug/l	98
68) m/p-Xylenes	11.62	106	333121	38.996	ug/l	95
69) o-Xylene	11.95	106	165600	19.850	ug/l	97
70) Styrene	11.96	104	267200	19.723	ug/l	97
71) Bromoform	12.13	173	52969	18.241	ug/l #	97
73) Isopropylbenzene	12.25	105	430699	20.912	ug/l	99
74) N-amyl acetate	12.07	43	131450	22.197	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	105255	22.387	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	127212	31.365	ug/l #	100
77) Bromobenzene	12.53	156	104467	20.451	ug/l	86
78) n-propylbenzene	12.59	91	460019	20.598	ug/l	97
79) 2-Chlorotoluene	12.67	91	285989	20.535	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	348999	20.675	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	19192	18.450	ug/l #	70
82) 4-Chlorotoluene	12.77	91	278273	20.613	ug/l	96
83) tert-Butylbenzene	12.99	119	304216	20.704	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	340011	20.528	ug/l	97
85) sec-Butylbenzene	13.17	105	367225	20.049	ug/l	98
86) p-Isopropyltoluene	13.29	119	323258	19.727	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	169953	20.077	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	162570	19.739	ug/l	97
89) n-Butylbenzene	13.62	91	239254	18.672	ug/l	98
90) Hexachloroethane	13.87	117	50113	19.701	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	168497	20.551	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15129	21.939	ug/l	80

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0322WBSD01

Quant Time: Mar 23 02:32:36 2019
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Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration

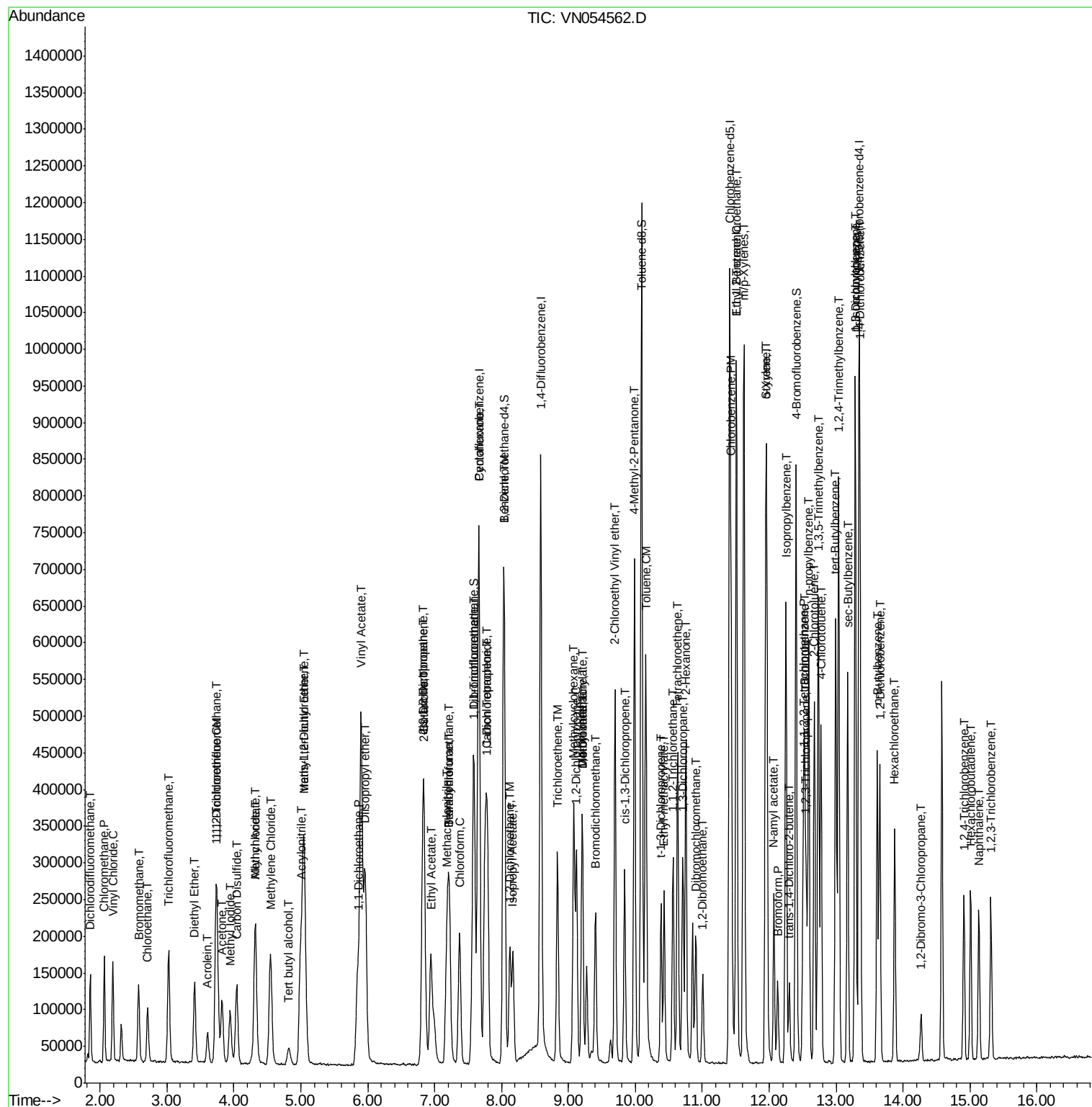
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	72527	17.745	ug/l	97
94) Hexachlorobutadiene	15.01	225	45952	18.446	ug/l	98
95) Naphthalene	15.13	128	171848	18.850	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	75110	18.464	ug/l	99

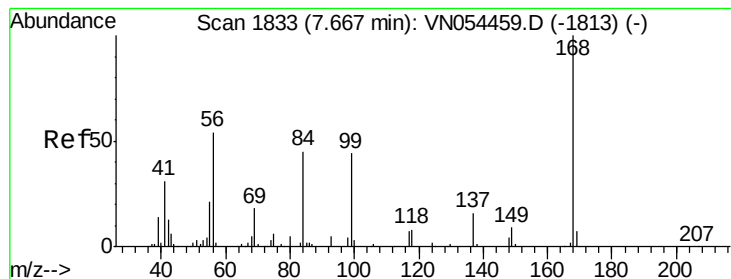
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN032219\
Data File : VN054562.D
Acq On : 22 Mar 2019 17:10
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Sample : VN0322WBSD01
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ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
Client Sample Id :
VN0322WBSD01

Quant Time: Mar 23 02:32:36 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

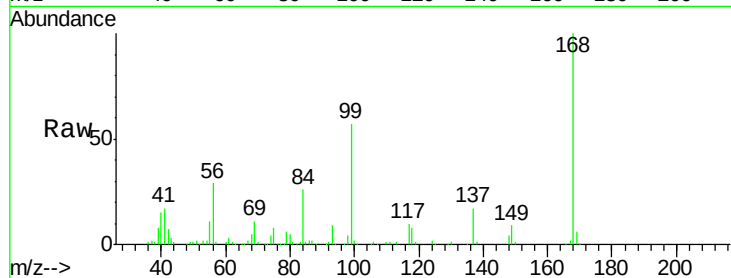
VN0322WBSD01

Tot Ion:168 Resp: 447040

Ion Ratio Lower Upper

168 100

99 55.7 37.1 55.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

150000

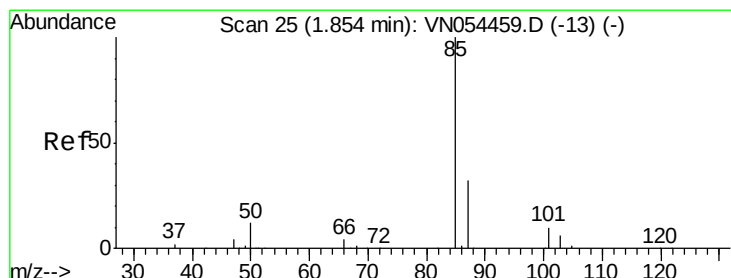
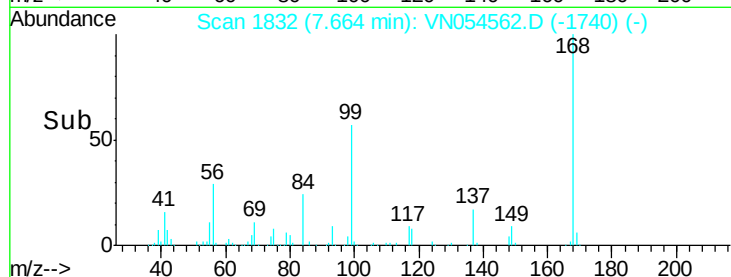
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.352 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054562.D

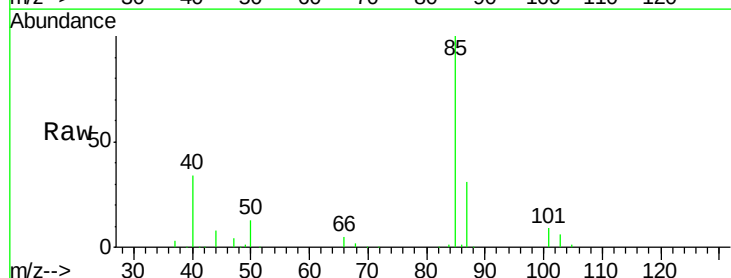
Acq: 22 Mar 2019 17:10

Tgt Ion: 85 Resp: 91251

Ion Ratio Lower Upper

85 100

87 31.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

60000

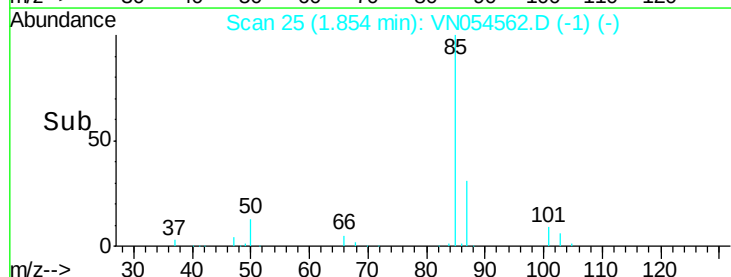
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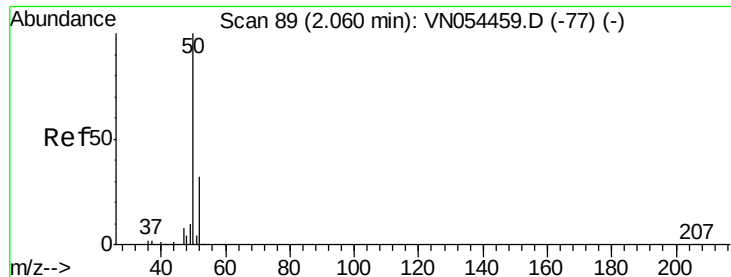
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 21.750 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

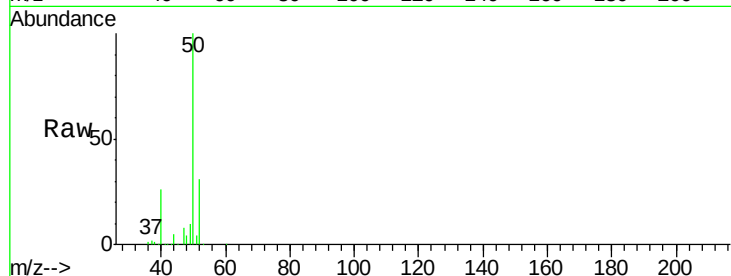
VN0322WBSD01

Tot Ion: 50 Resp: 126465

Ion Ratio Lower Upper

50 100

52 30.9 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

100000

80000

60000

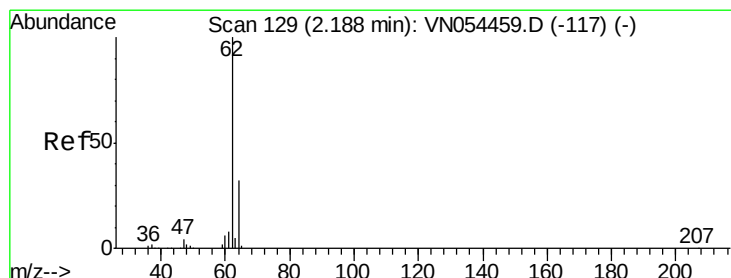
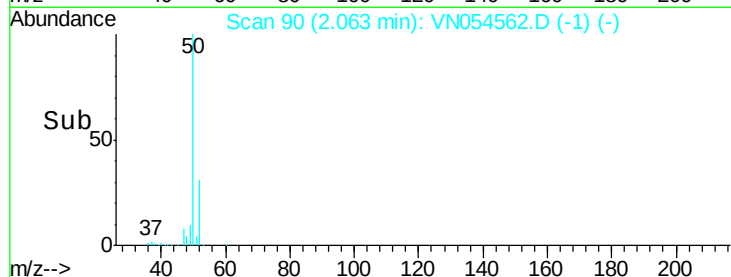
40000

20000

0

Time-->

2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 20.540 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054562.D

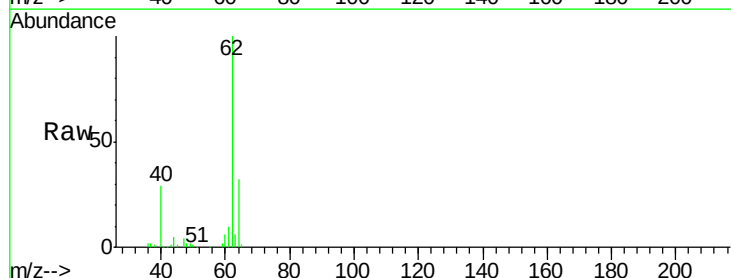
Acq: 22 Mar 2019 17:10

Tgt Ion: 62 Resp: 119909

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

80000

60000

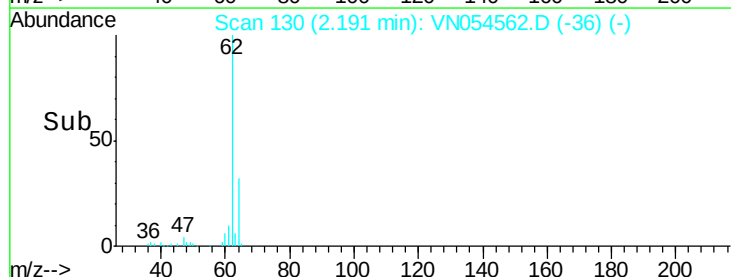
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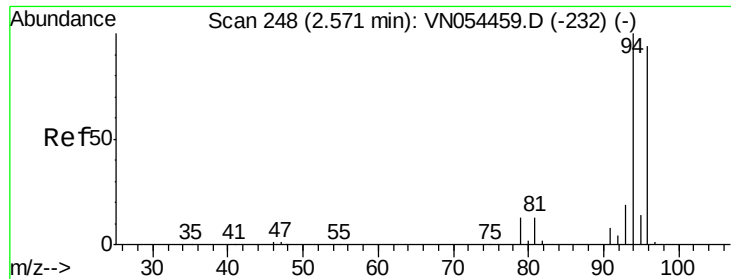
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Time-->

2.15 2.20 2.25





#5

Bromomethane

Concen: 18.526 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

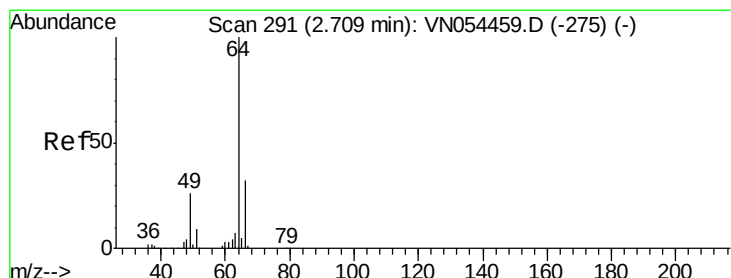
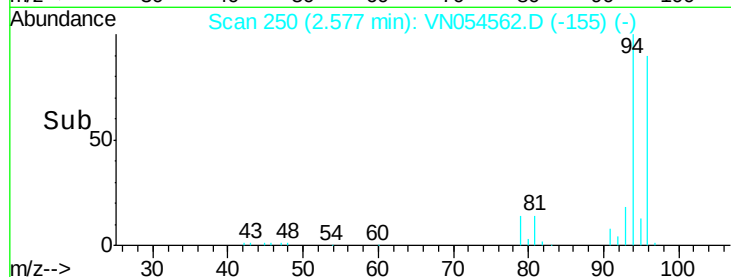
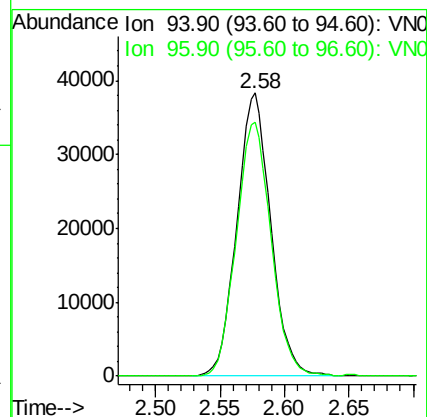
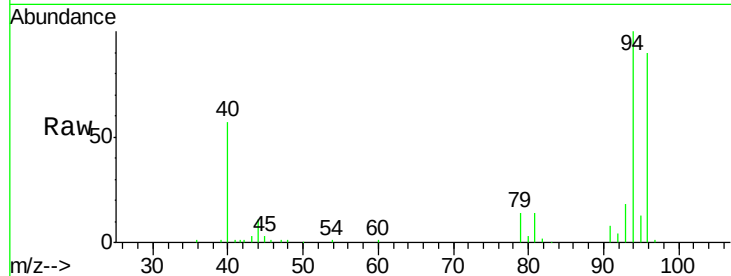
VN0322WBSD01

Tot Ion: 94 Resp: 69933

Ion Ratio Lower Upper

94 100

96 89.9 77.0 115.4



#6

Chloroethane

Concen: 19.360 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054562.D

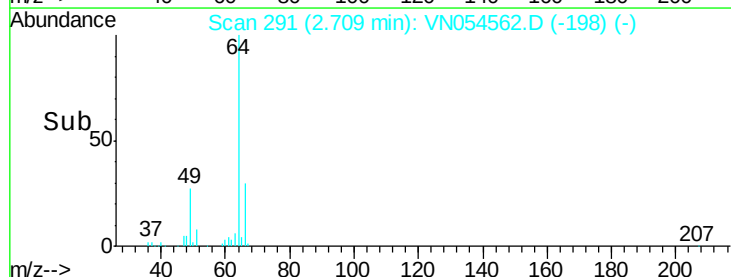
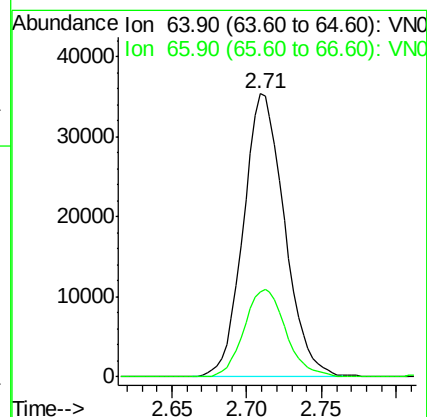
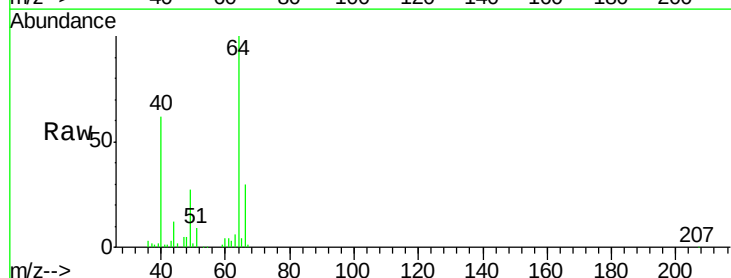
Acq: 22 Mar 2019 17:10

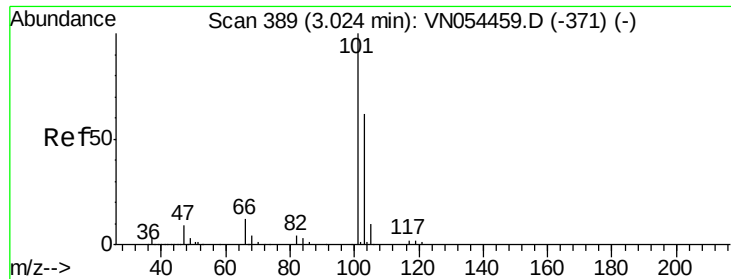
Tgt Ion: 64 Resp: 67791

Ion Ratio Lower Upper

64 100

66 30.2 25.7 38.5



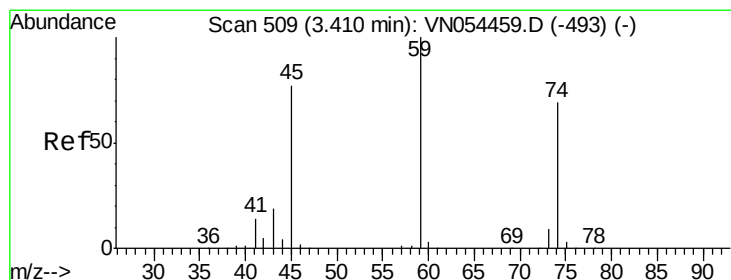
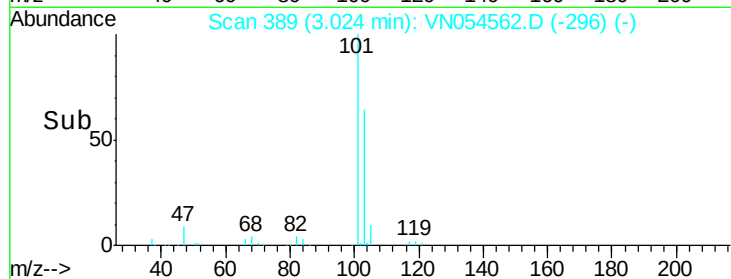
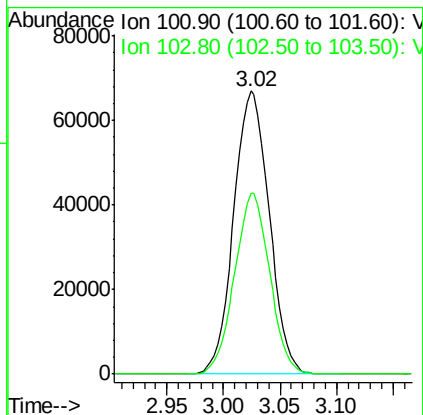
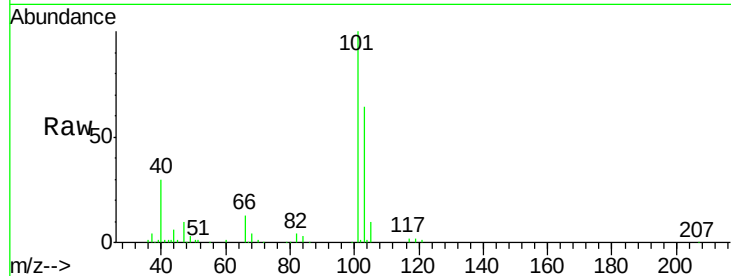


#7

Trichlorofluoromethane
 Concen: 20.648 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322WBSD01

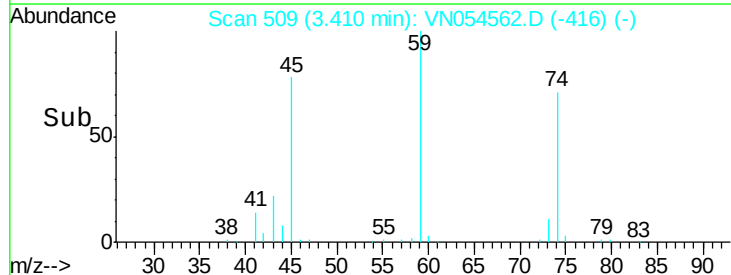
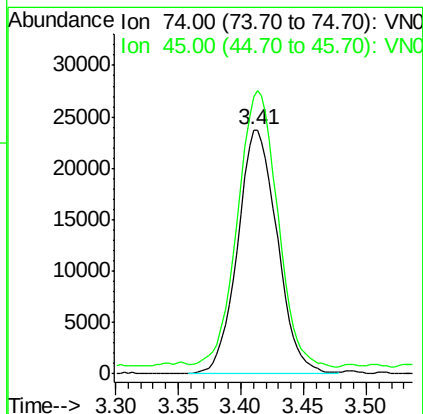
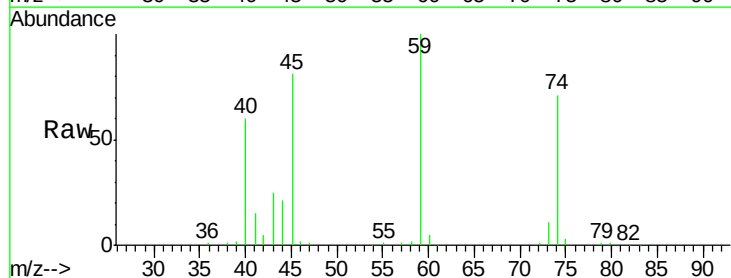
Tot Ion:101 Resp: 146388
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.4 77.2

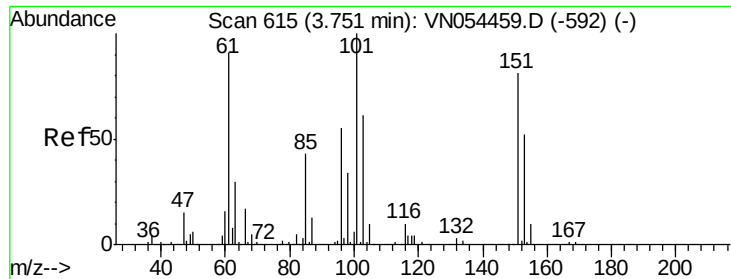


#8

Diethyl Ether
 Concen: 19.147 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Tgt Ion: 74 Resp: 52206
 Ion Ratio Lower Upper
 74 100
 45 113.9 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.381 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBSD01

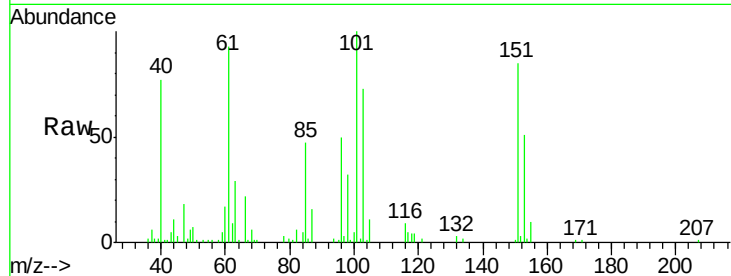
Tot Ion:101 Resp: 76587

Ion Ratio Lower Upper

101 100

85 44.3 32.4 48.6

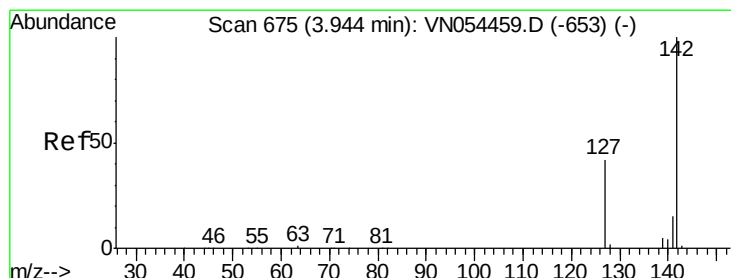
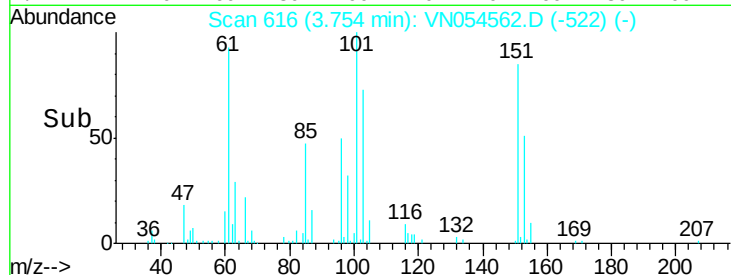
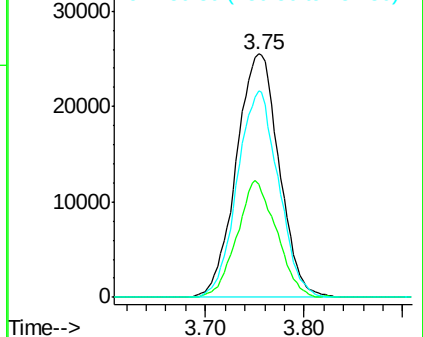
151 81.7 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.621 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

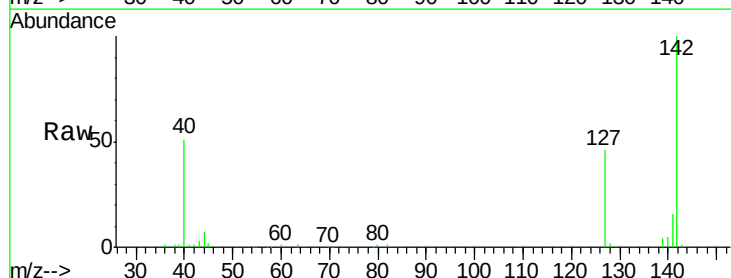
Tgt Ion:142 Resp: 107999

Ion Ratio Lower Upper

142 100

127 45.3 30.3 45.5

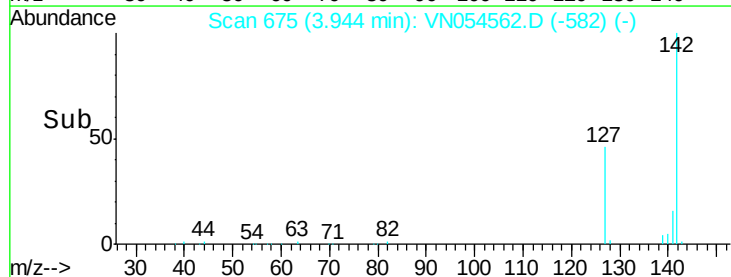
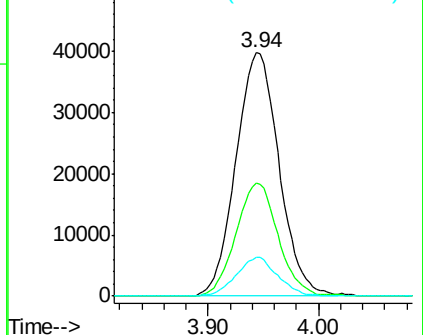
141 15.2 11.2 16.8

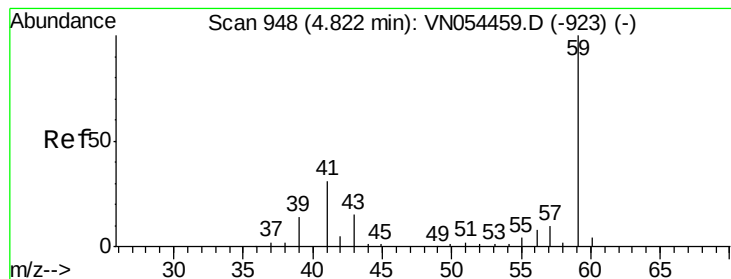


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 110.280 ug/l

RT: 4.82 min Scan# 948

Delta R.T. 0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

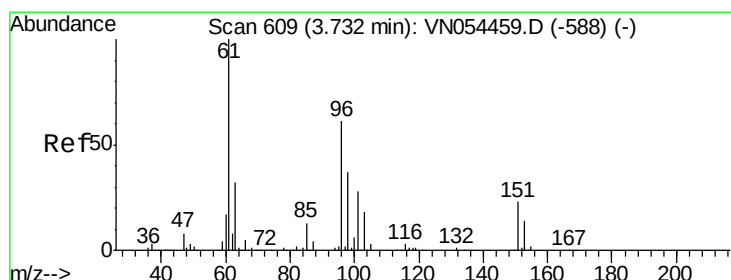
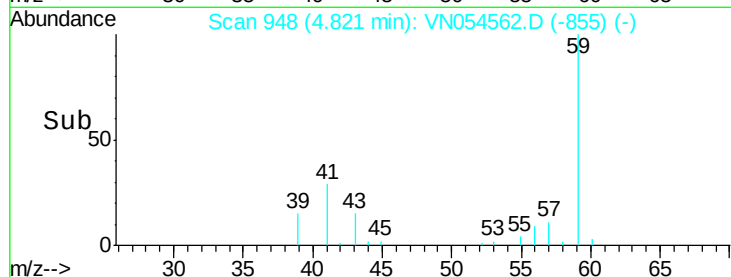
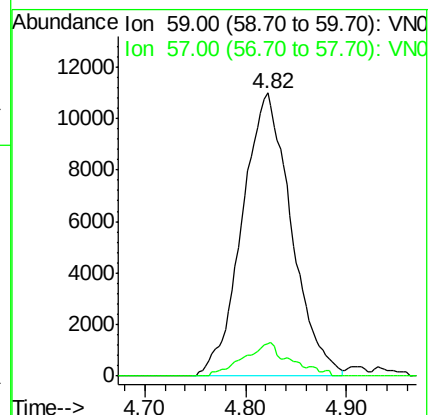
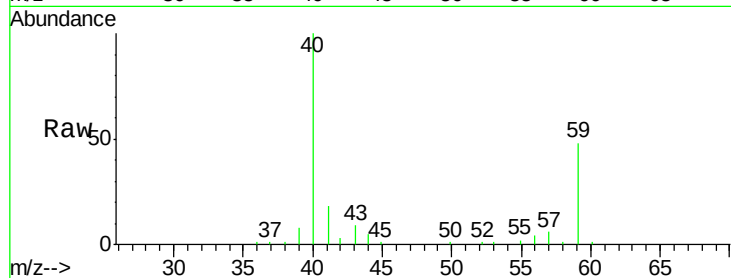
VN0322WBSD01

Tot Ion: 59 Resp: 37125

Ion Ratio Lower Upper

59 100

57 10.3 9.0 13.6



#12

1,1-Dichloroethene

Concen: 17.931 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

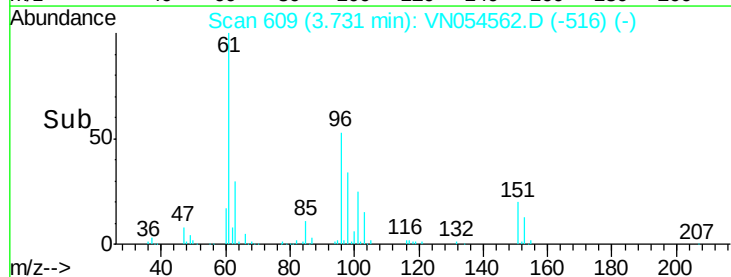
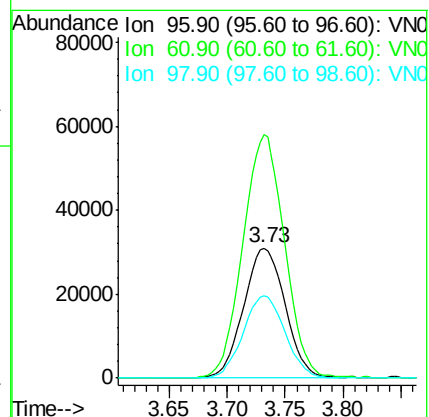
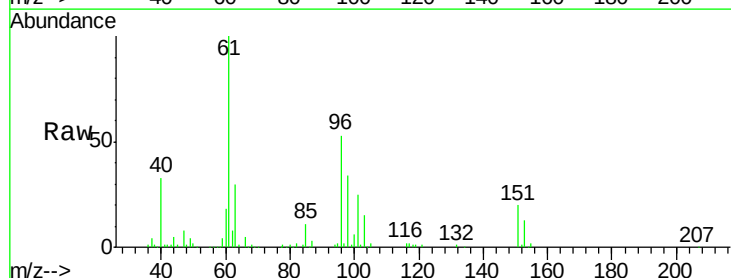
Tgt Ion: 96 Resp: 77316

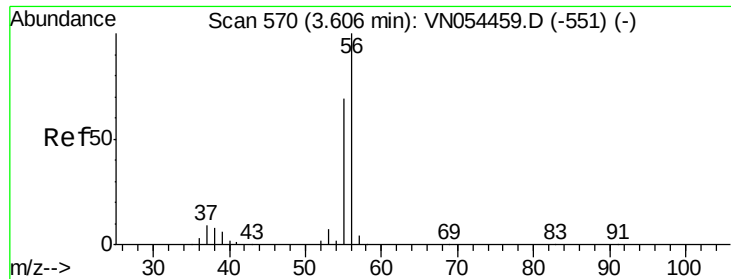
Ion Ratio Lower Upper

96 100

61 186.9 116.5 174.7#

98 63.6 51.0 76.4





#13

Acrolein

Concen: 95.701 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

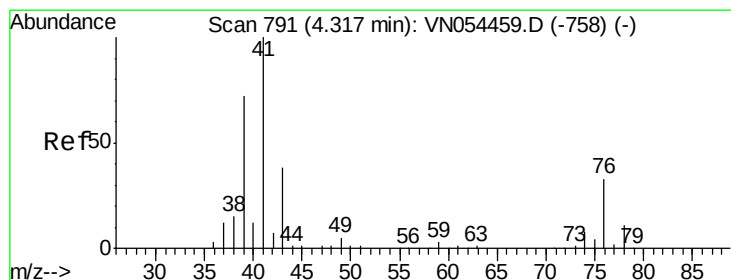
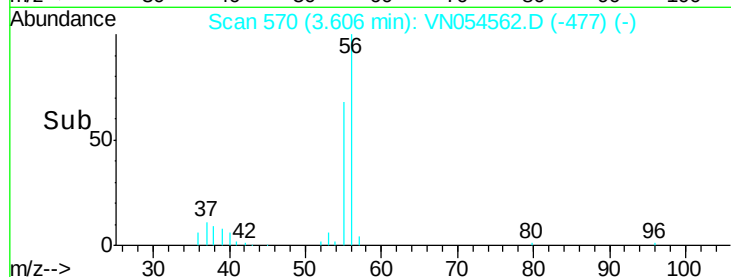
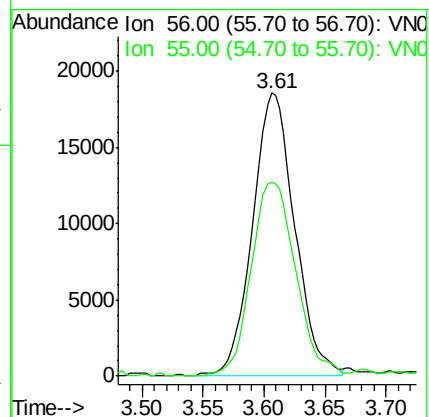
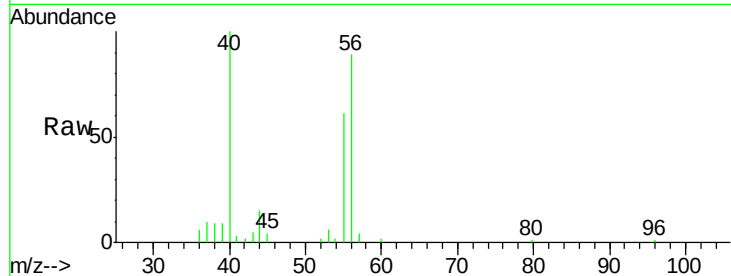
VN0322WBSD01

Tot Ion: 56 Resp: 44460

Ion Ratio Lower Upper

56 100

55 72.5 56.7 85.1



#14

Allyl chloride

Concen: 20.895 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

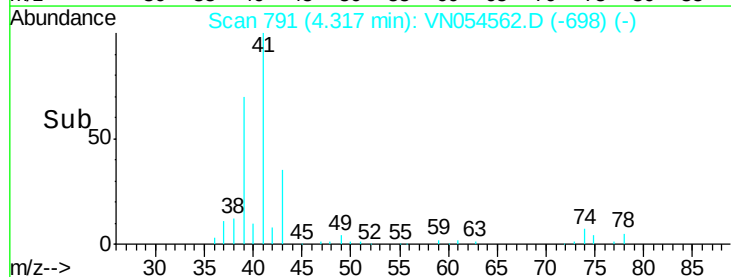
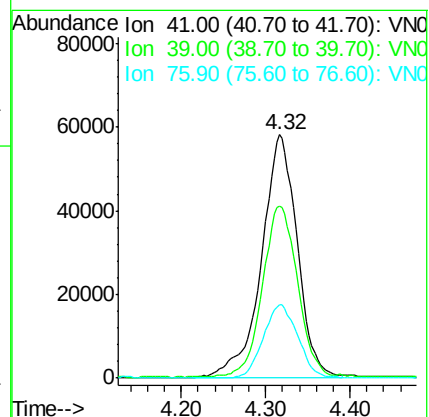
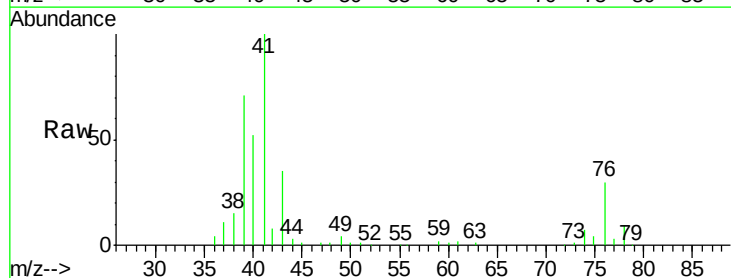
Tgt Ion: 41 Resp: 169654

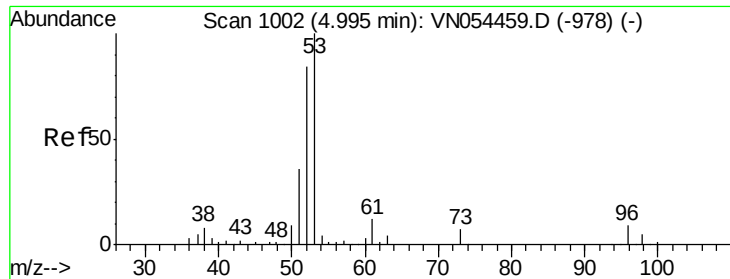
Ion Ratio Lower Upper

41 100

39 69.1 58.2 87.4

76 29.4 31.7 47.5#

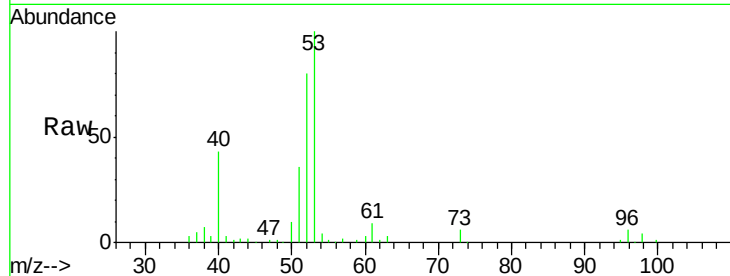




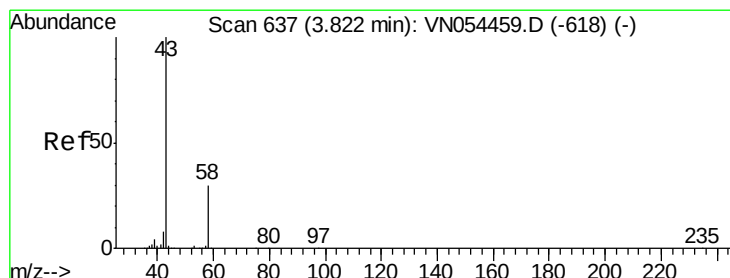
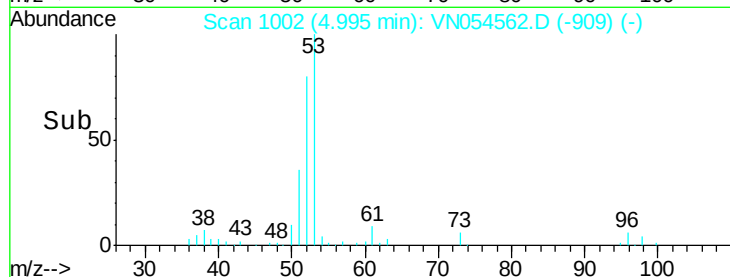
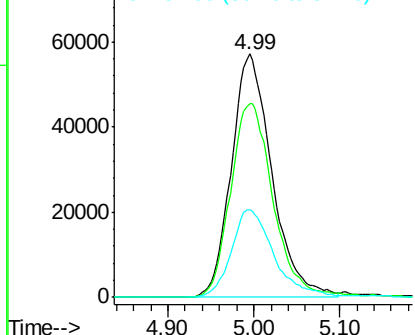
#15
 Acrylonitrile
 Concen: 111.809 ug/l
 RT: 4.99 min Scan# 1002
 Delta R.T. -0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322WBSD01

Tot Ion: 53 Resp: 187442
 Ion Ratio Lower Upper
 53 100
 52 83.7 66.4 99.6
 51 37.9 29.6 44.4

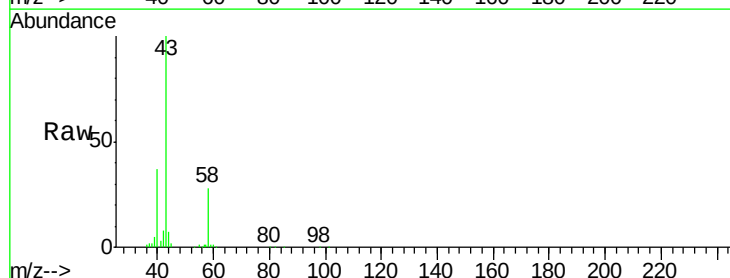


Abundance Ion 53.00 (52.70 to 53.70): VN0
 Ion 52.00 (51.70 to 52.70): VN0
 Ion 51.00 (50.70 to 51.70): VN0

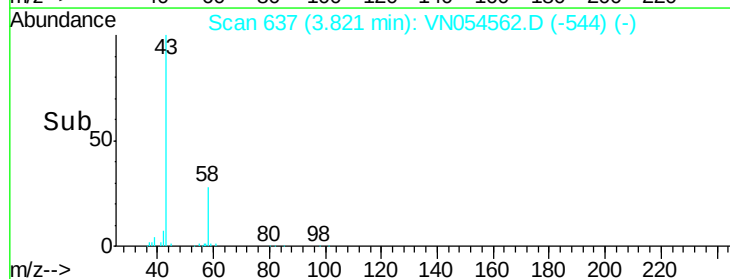
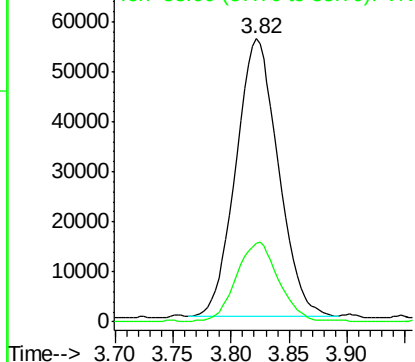


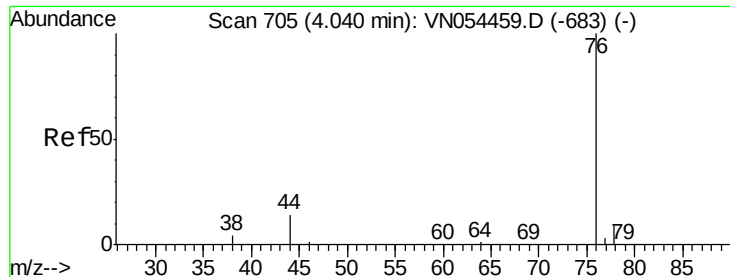
#16
 Acetone
 Concen: 84.004 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Tgt Ion: 43 Resp: 140434
 Ion Ratio Lower Upper
 43 100
 58 27.9 29.9 44.9#



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





#17

Carbon Disulfide

Concen: 17.890 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

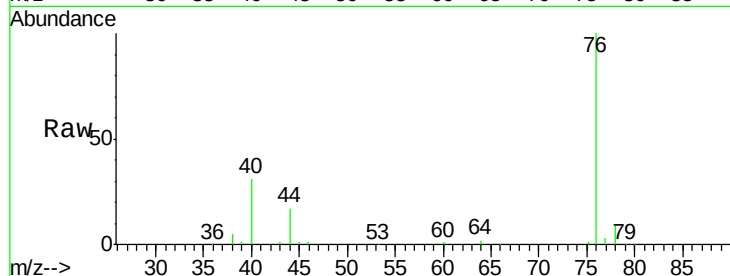
VN0322WBSD01

Tot Ion: 76 Resp: 206692

Ion Ratio Lower Upper

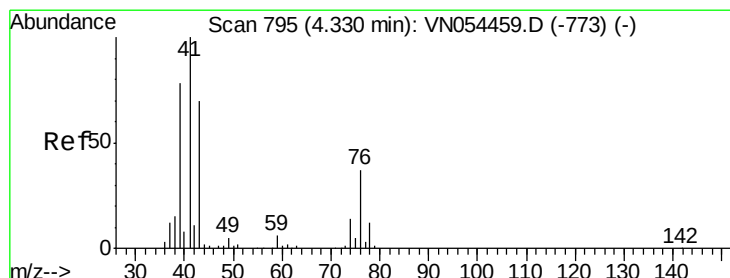
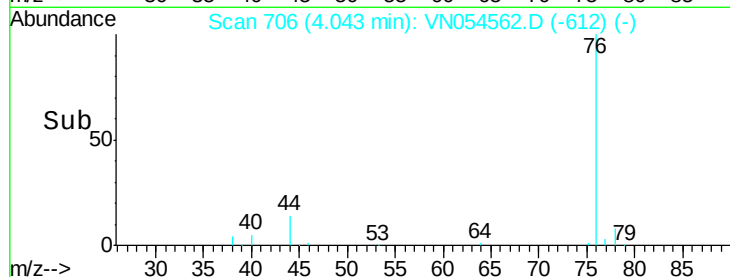
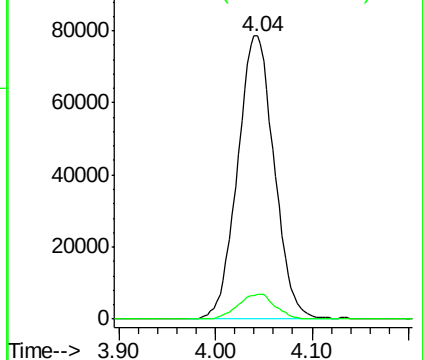
76 100

78 8.9 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 22.701 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054562.D

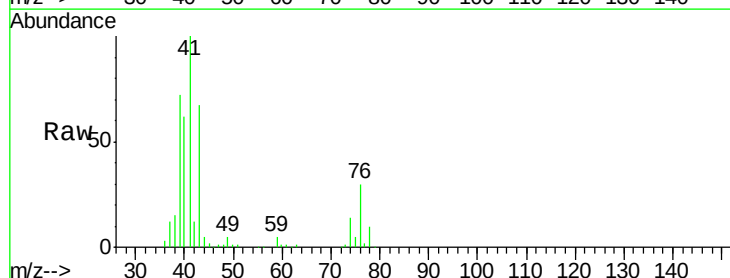
Acq: 22 Mar 2019 17:10

Tgt Ion: 43 Resp: 84587

Ion Ratio Lower Upper

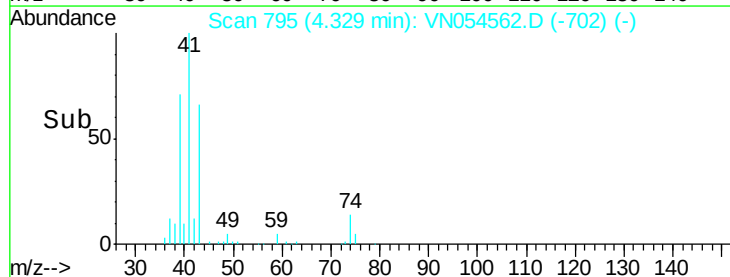
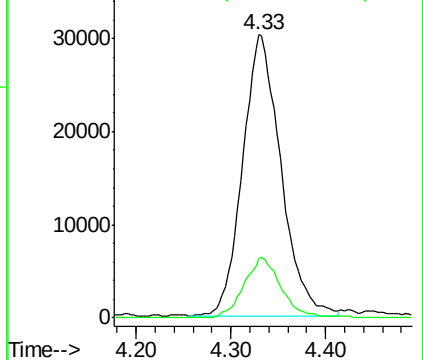
43 100

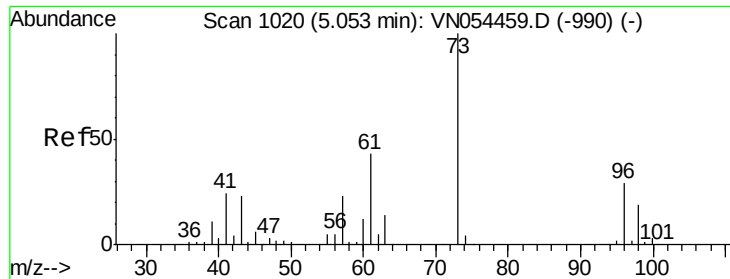
74 20.7 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

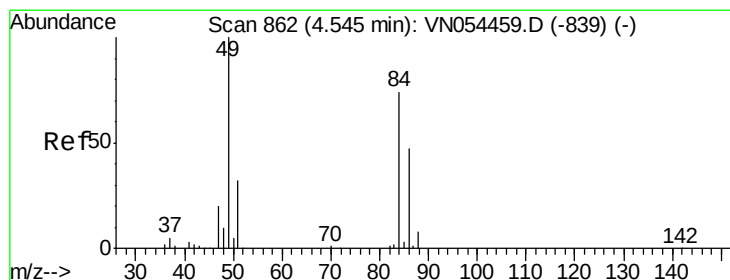
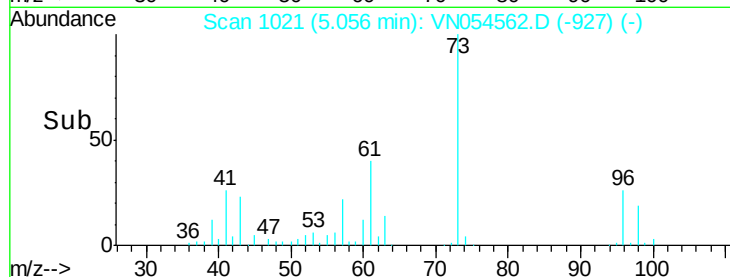
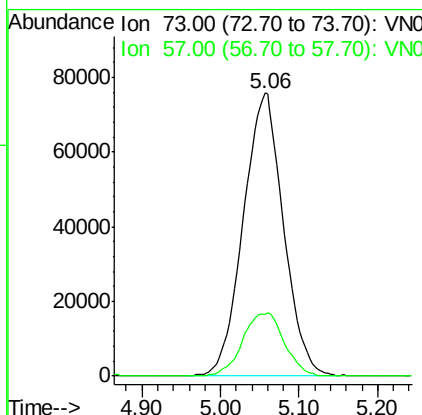
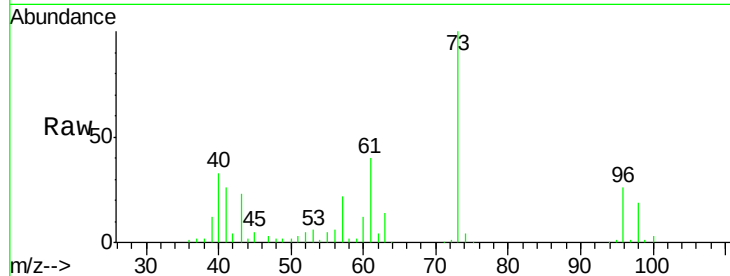




#19
Methyl tert-butyl Ether
Concen: 21.678 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

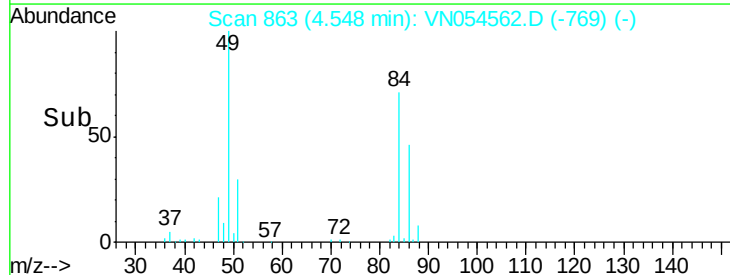
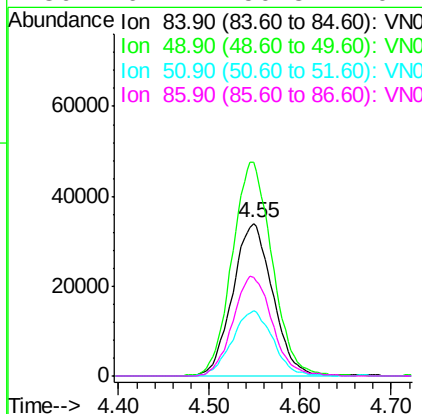
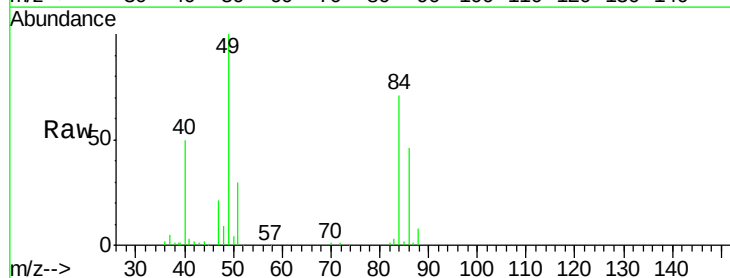
Instrument :
MSVOA_N
ClientSampled :
VN0322WBSD01

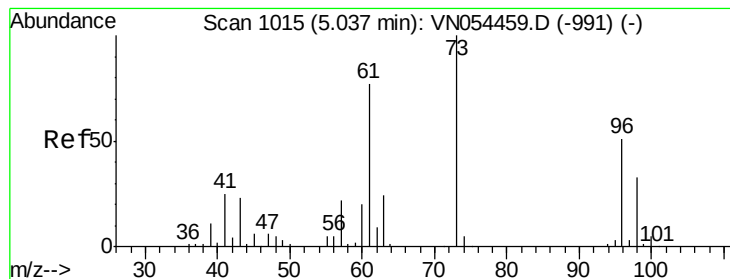
Tot Ion: 73 Resp: 272797
Ion Ratio Lower Upper
73 100
57 21.9 16.8 25.2



#20
Methylene Chloride
Concen: 21.047 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Tgt Ion: 84 Resp: 103720
Ion Ratio Lower Upper
84 100
49 139.3 89.7 134.5#
51 42.6 28.2 42.4#
86 64.4 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 21.823 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBSD01

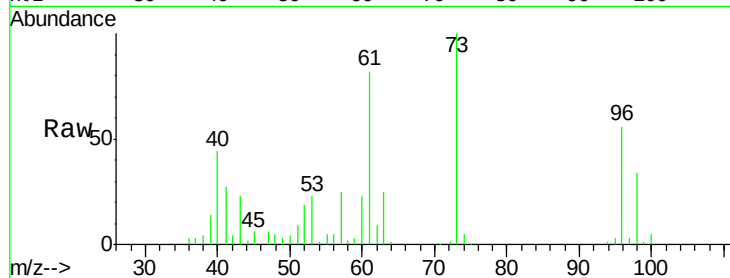
Tot Ion: 96 Resp: 96083

Ion Ratio Lower Upper

96 100

61 147.1 102.8 154.2

98 60.6 50.0 75.0

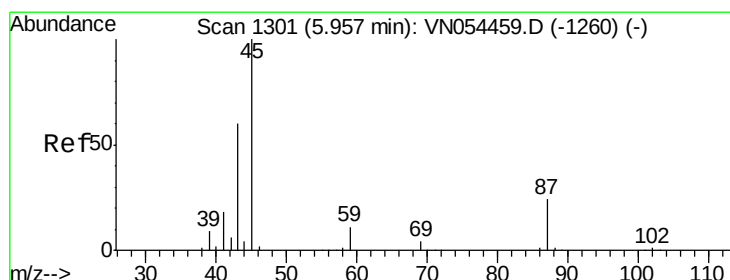
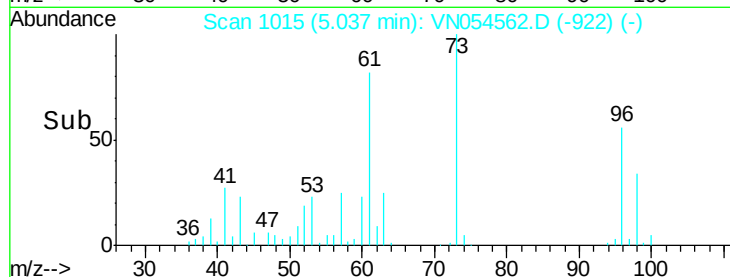
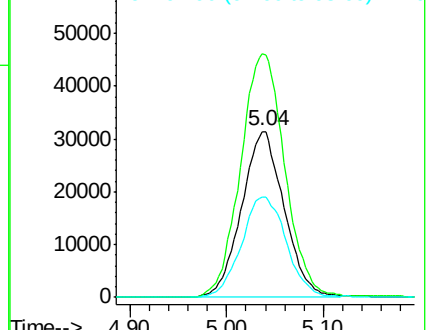


Abundance

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



#22

Diisopropyl ether

Concen: 22.659 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Tgt Ion: 45 Resp: 362898

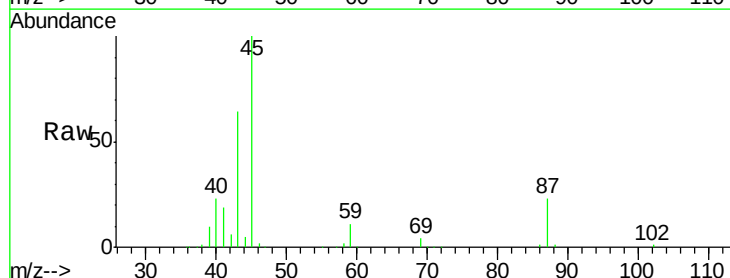
Ion Ratio Lower Upper

45 100

43 63.0 48.2 72.2

87 23.1 24.9 37.3#

59 10.7 9.5 14.3



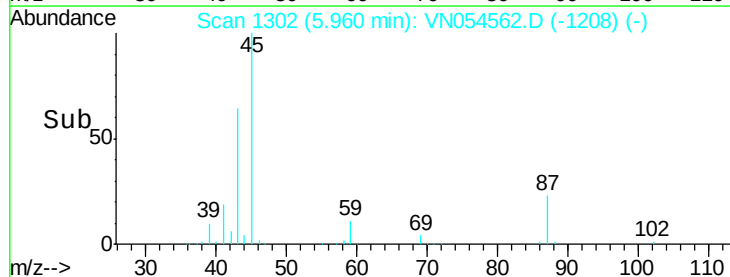
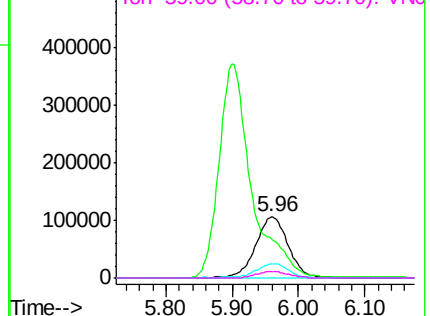
Abundance

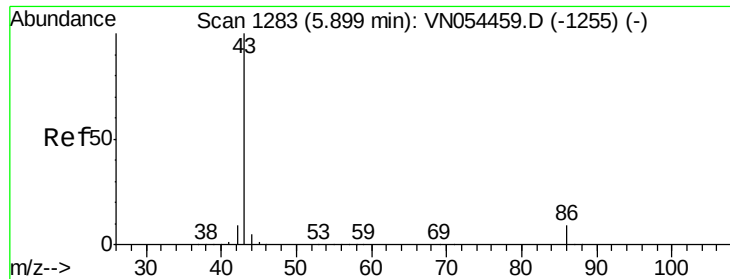
Ion 45.00 (44.70 to 45.70): VN0

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





#23

Vinyl Acetate

Concen: 112.420 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

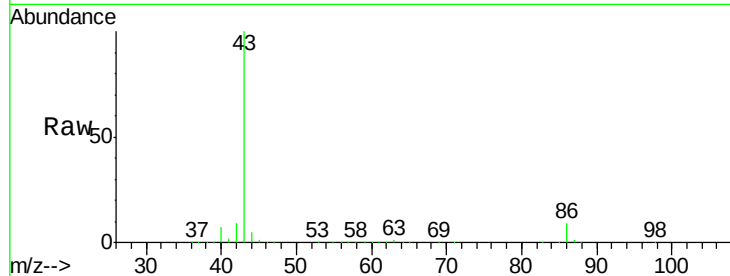
VN0322WBSD01

Tot Ion: 43 Resp: 1271619

Ion Ratio Lower Upper

43 100

86 8.8 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

400000

300000

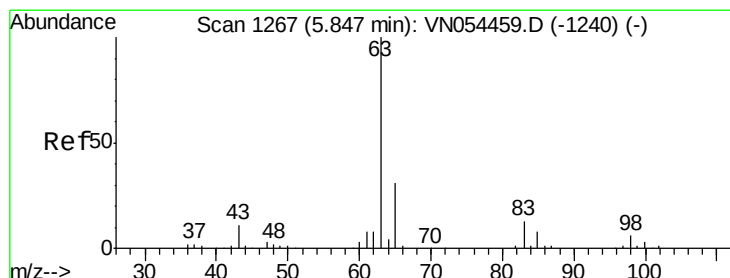
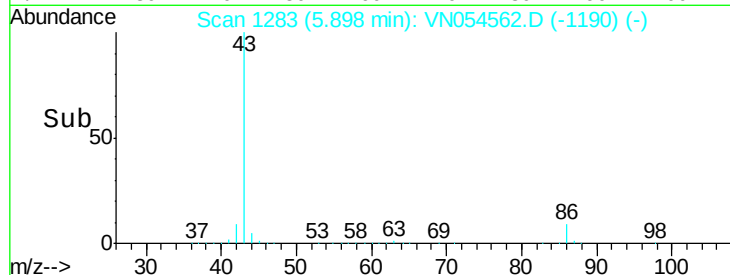
200000

100000

0

Time-->

5.80 6.00 6.20



#24

1,1-Dichloroethane

Concen: 22.599 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

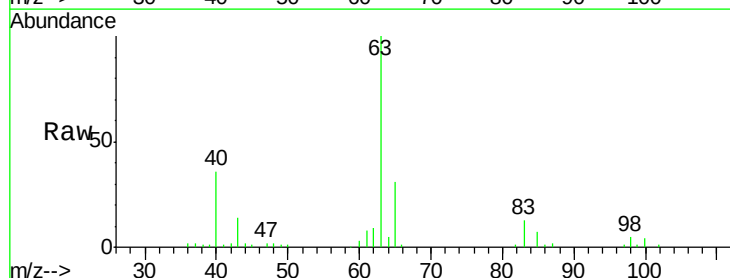
Tgt Ion: 63 Resp: 194879

Ion Ratio Lower Upper

63 100

98 5.5 3.5 10.5

100 4.0 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

80000

60000

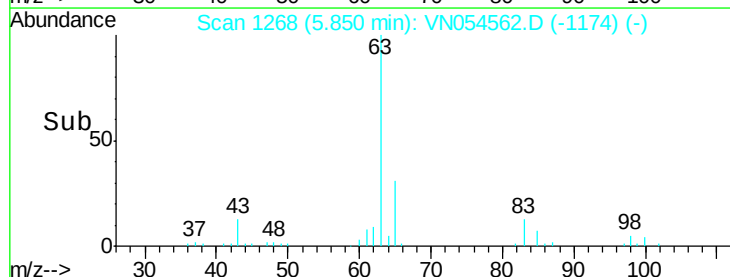
40000

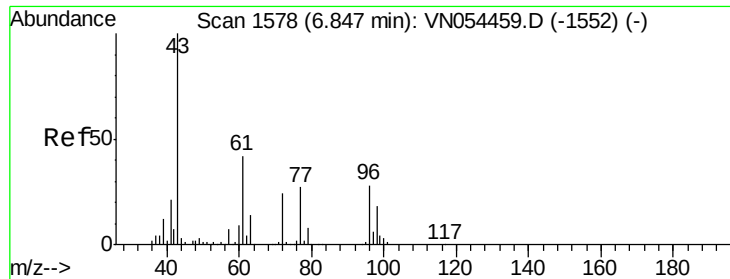
20000

0

Time-->

5.70 5.80 5.90 6.00

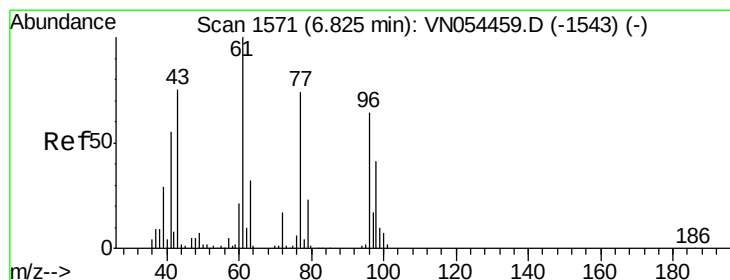
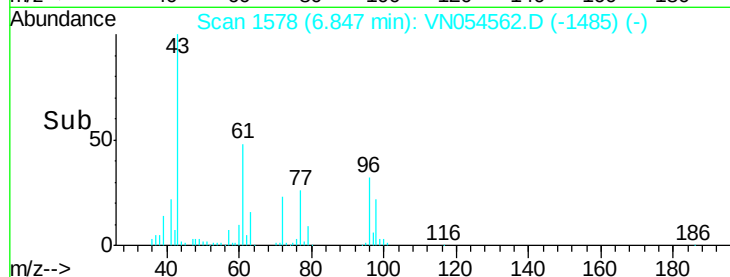
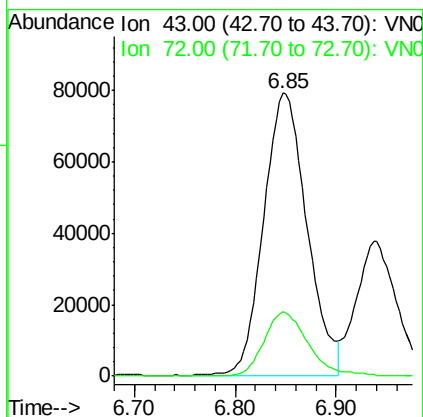
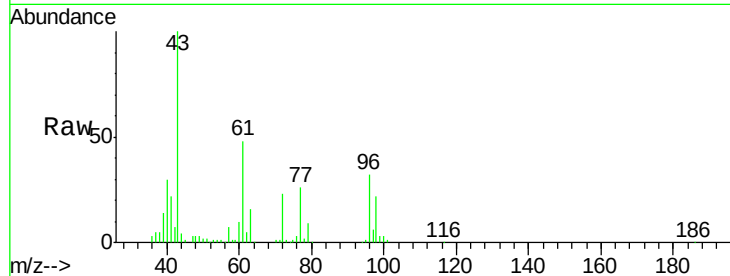




#25
2-Butanone
Concen: 110.270 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

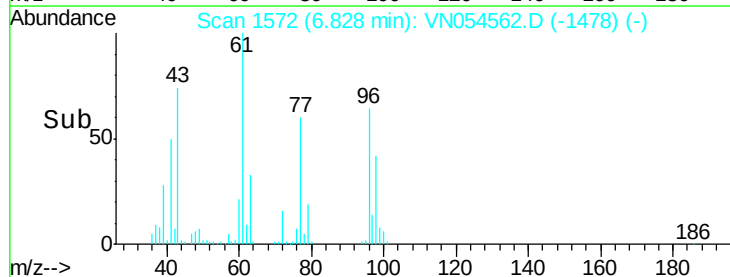
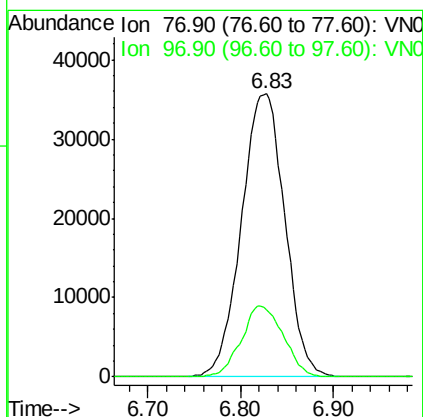
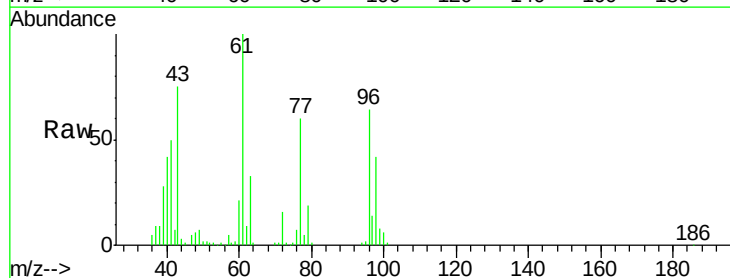
Instrument :
MSVOA_N
ClientSampleId :
VN0322WBSD01

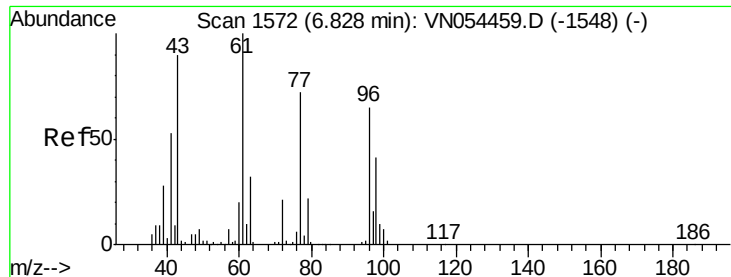
Tot Ion: 43 Resp: 236144
Ion Ratio Lower Upper
43 100
72 22.7 23.0 34.6#



#26
2,2-Dichloropropane
Concen: 18.862 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Tgt Ion: 77 Resp: 115945
Ion Ratio Lower Upper
77 100
97 24.3 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.011 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBSD01

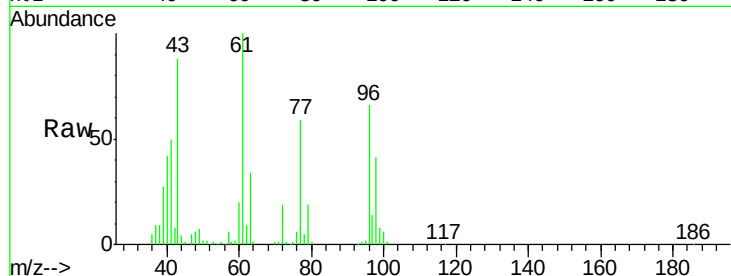
Tot Ion: 96 Resp: 110340

Ion Ratio Lower Upper

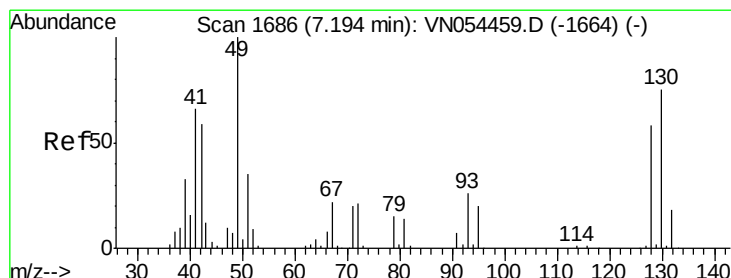
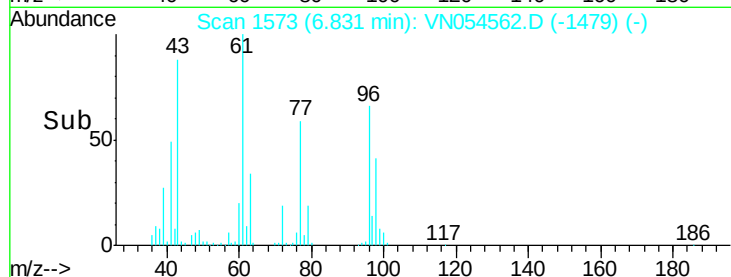
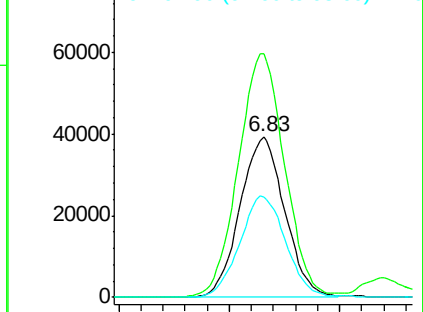
96 100

61 156.9 0.0 273.0

98 65.2 0.0 130.6



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



#28

Bromochloromethane

Concen: 22.385 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

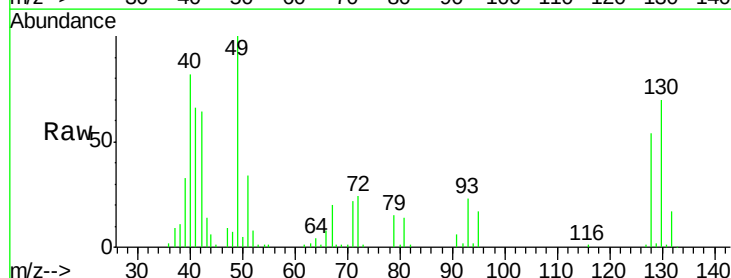
Tgt Ion: 49 Resp: 95016

Ion Ratio Lower Upper

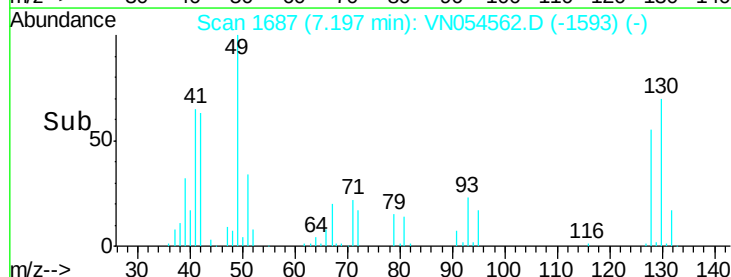
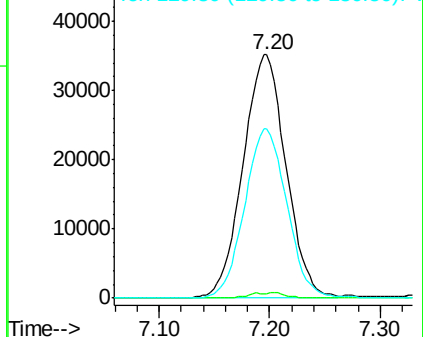
49 100

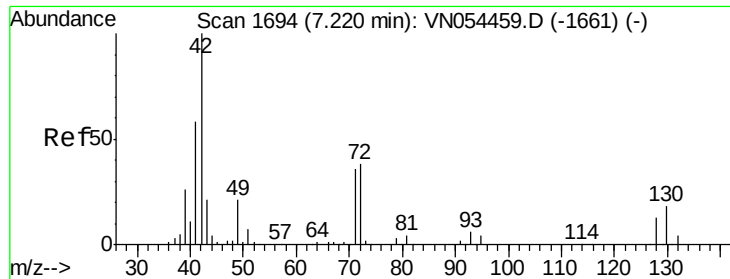
129 1.0 0.0 4.6

130 68.3 76.7 115.1#



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

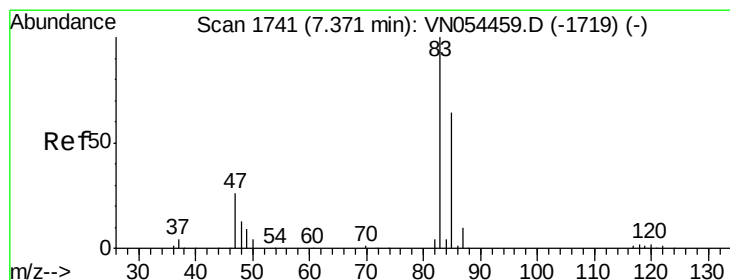
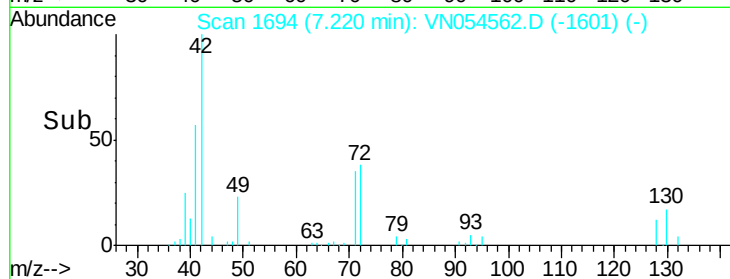
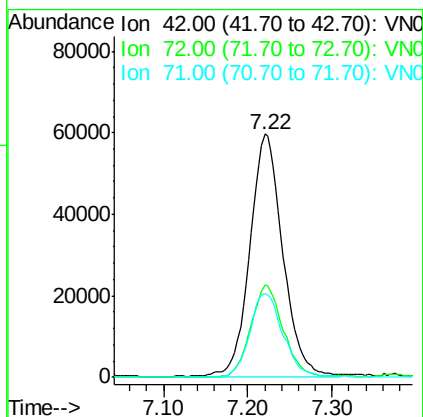
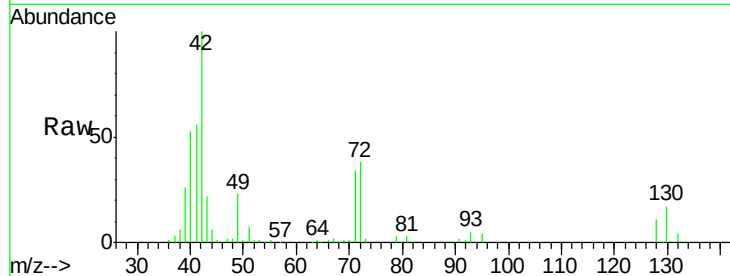




#29
Tetrahydrofuran
Concen: 115.035 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

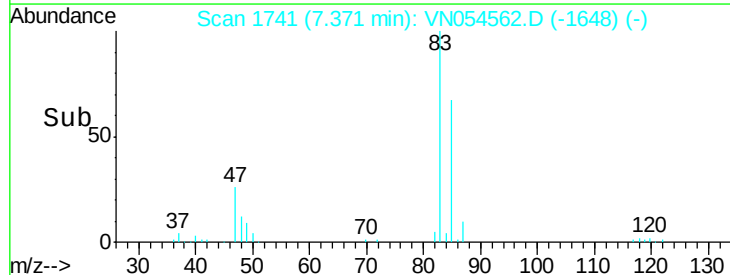
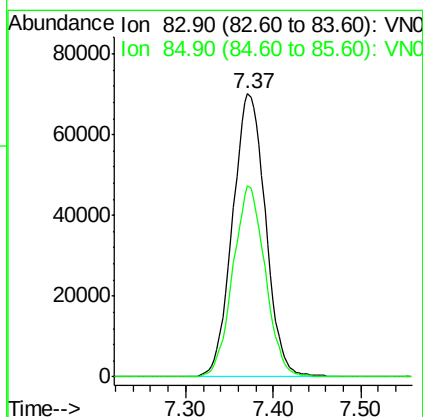
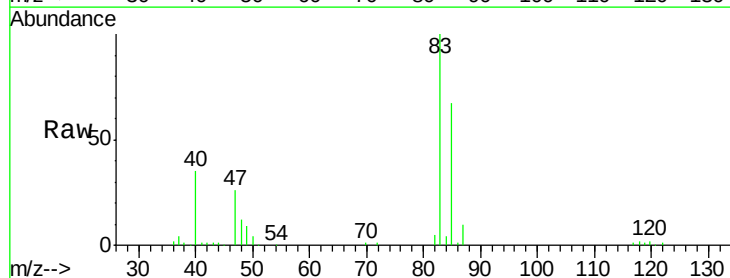
Instrument :
MSVOA_N
ClientSampled :
VN0322WBSD01

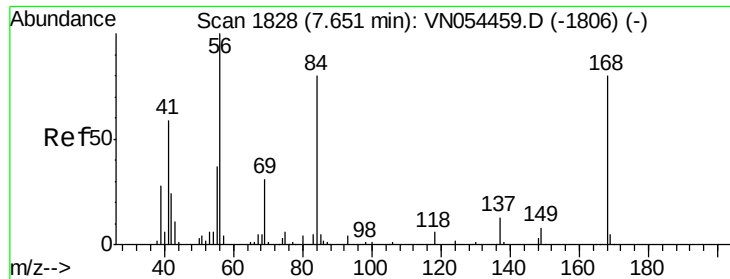
Tot Ion: 42 Resp: 159865
Ion Ratio Lower Upper
42 100
72 38.3 37.8 56.6
71 35.4 36.2 54.2#



#30
Chloroform
Concen: 21.777 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Tgt Ion: 83 Resp: 183266
Ion Ratio Lower Upper
83 100
85 67.5 52.2 78.4

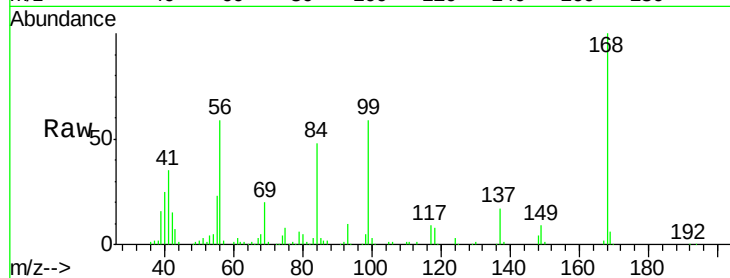




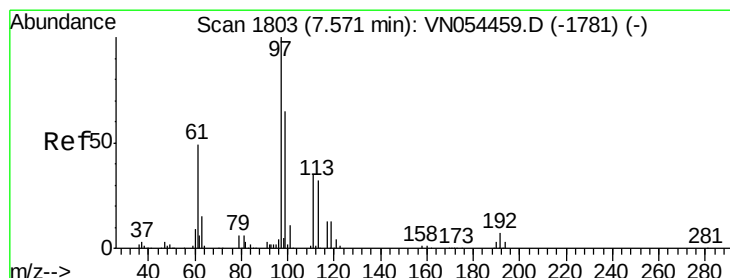
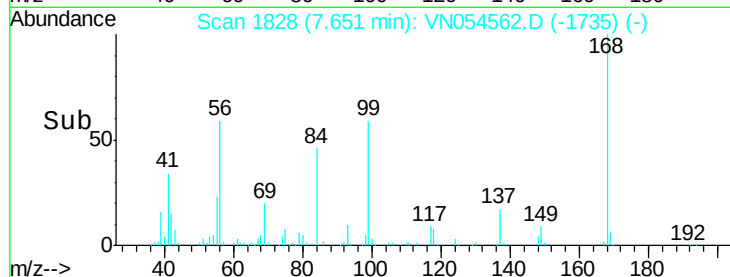
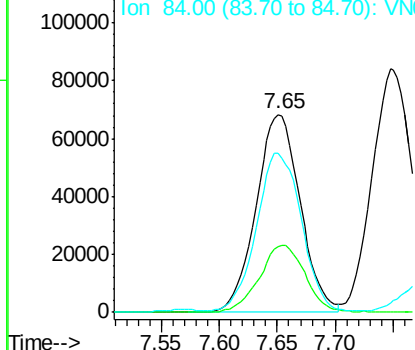
#31
Cyclohexane
Concen: 20.830 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0322WBSD01

Tot Ion: 56 Resp: 181070
Ion Ratio Lower Upper
56 100
69 32.9 27.8 41.6
84 78.9 74.6 111.8

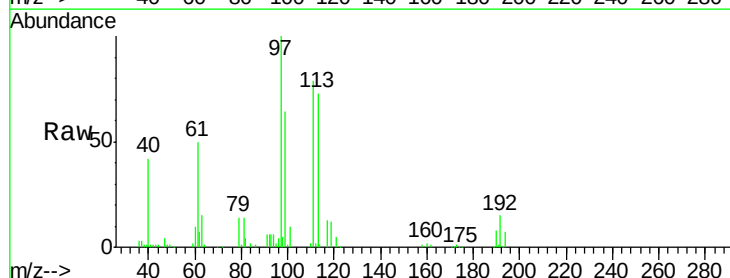


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

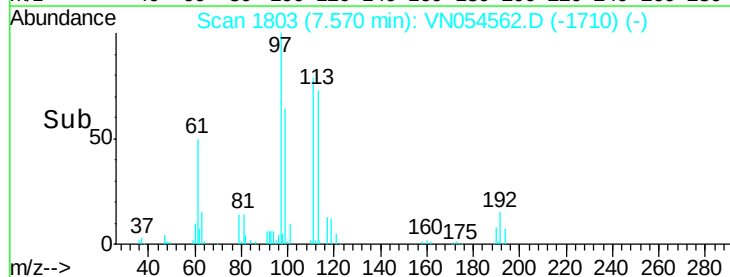
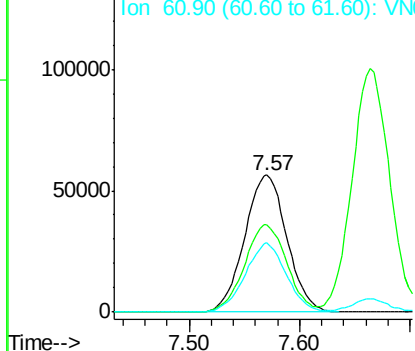


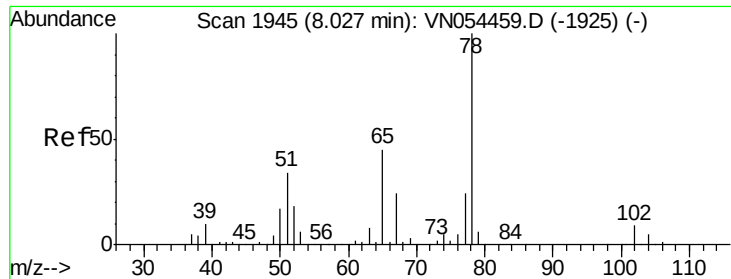
#32
1,1,1-Trichloroethane
Concen: 21.607 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Tgt Ion: 97 Resp: 150014
Ion Ratio Lower Upper
97 100
99 64.0 51.5 77.3
61 49.1 33.6 50.4



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

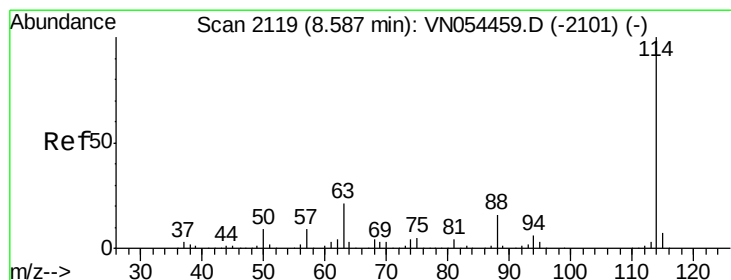
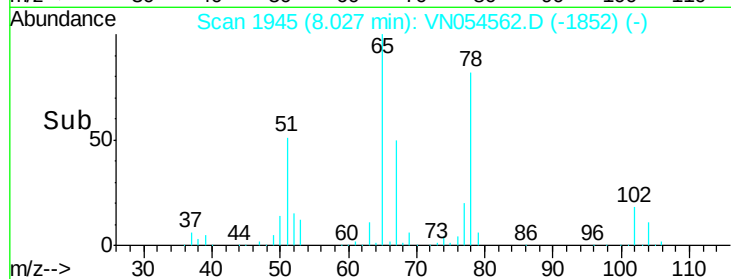
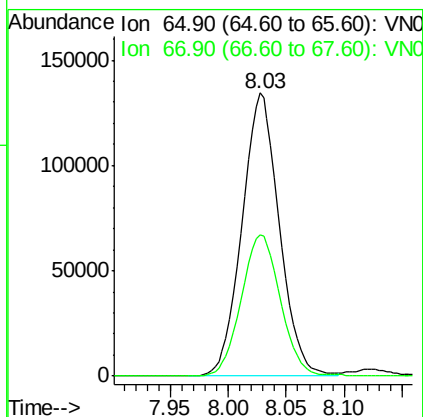
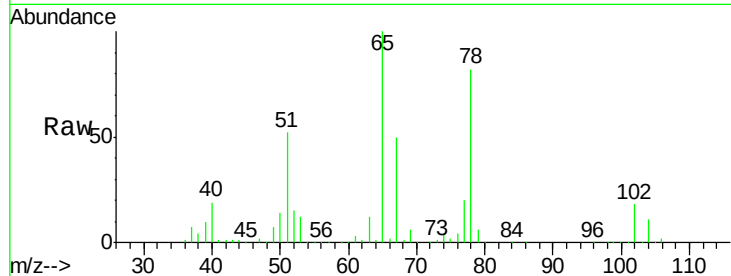




#33
 1,2-Dichloroethane-d4
 Concen: 54.259 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

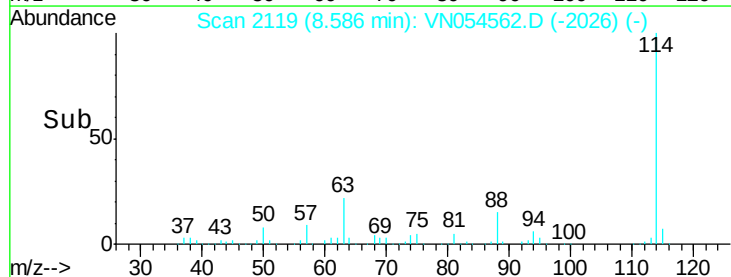
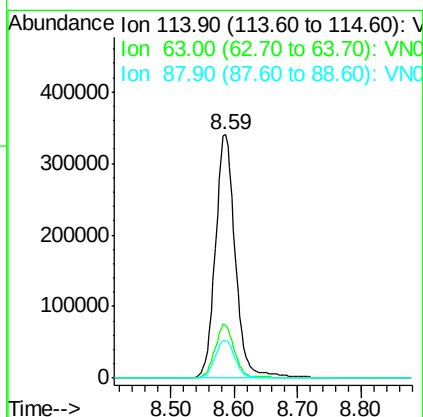
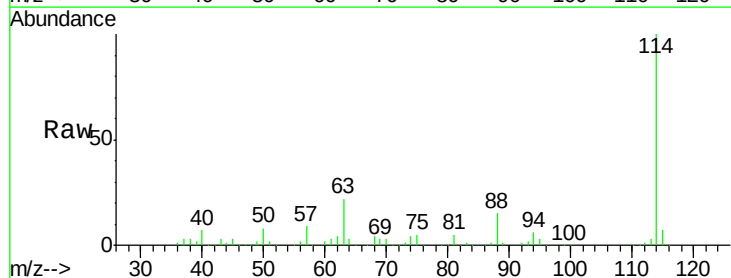
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0322WBSD01

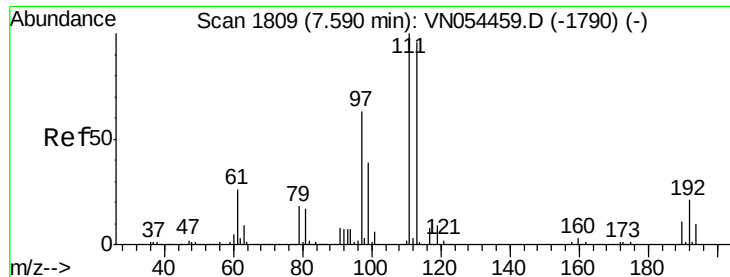
Tot Ion: 65 Resp: 301705
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Tgt Ion: 114 Resp: 741415
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 35.2
 88 15.4 0.0 30.2

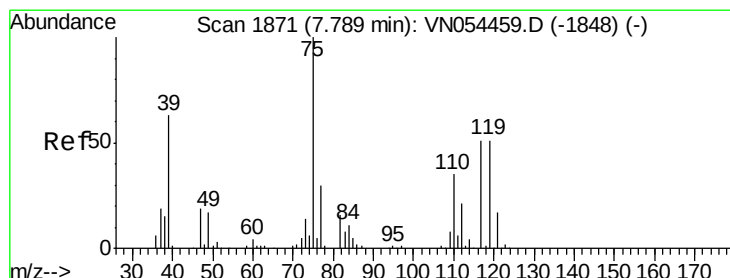
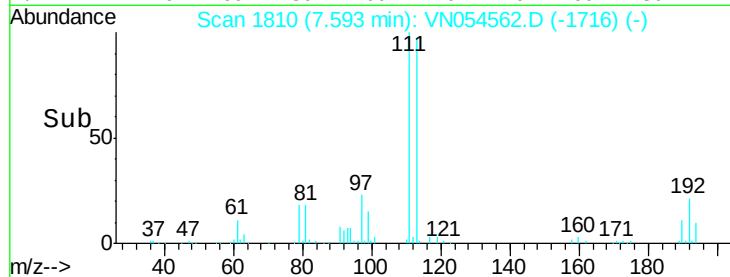
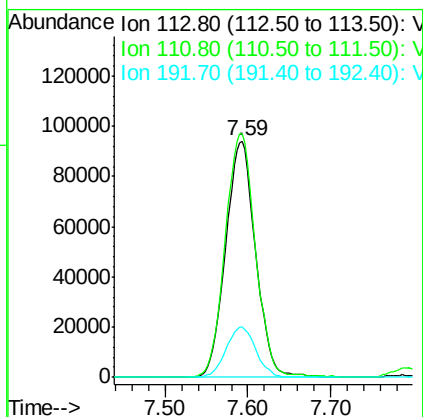
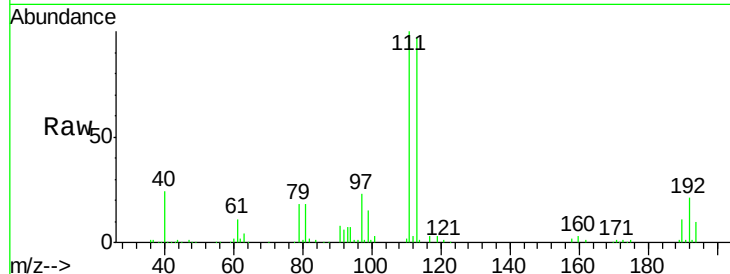




#35
 Dibromofluoromethane
 Concen: 49.364 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

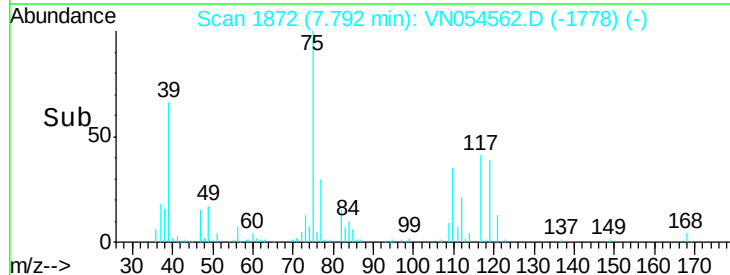
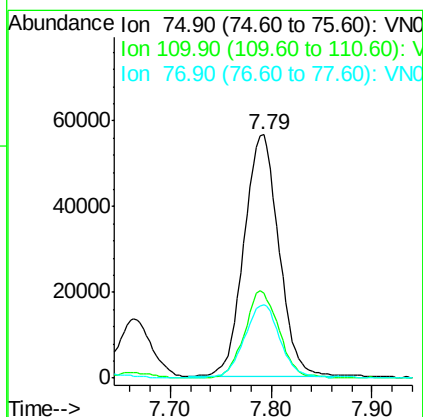
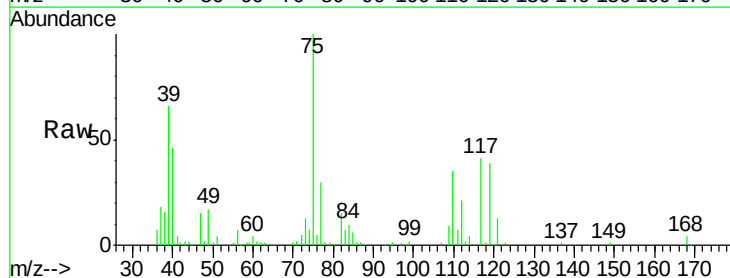
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322WBSD01

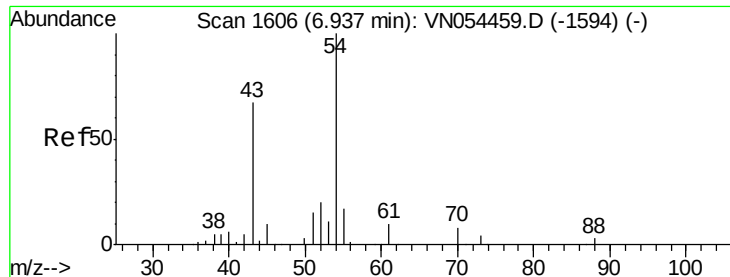
Tot Ion:113 Resp: 235789
 Ion Ratio Lower Upper
 113 100
 111 104.5 82.2 123.4
 192 21.1 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 19.499 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Tgt Ion: 75 Resp: 135173
 Ion Ratio Lower Upper
 75 100
 110 35.6 19.1 57.5
 77 31.1 25.0 37.4

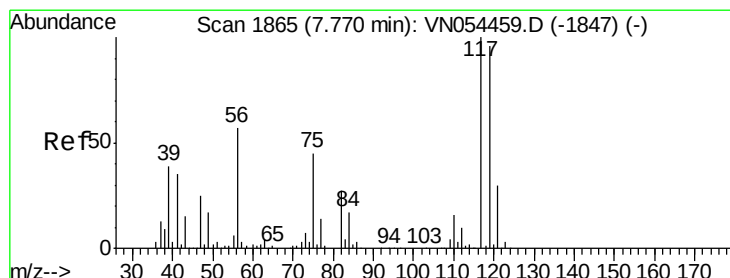
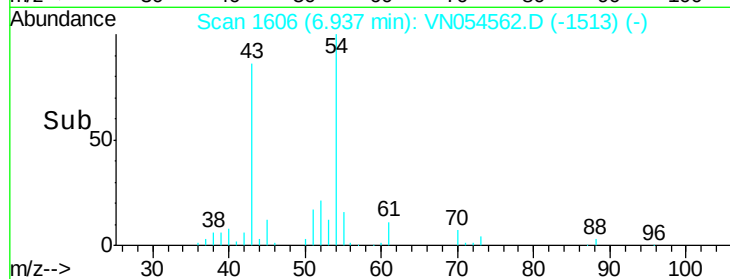
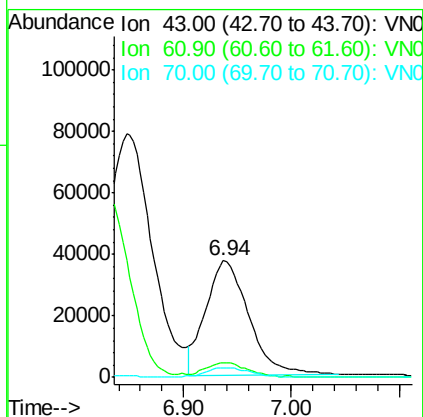
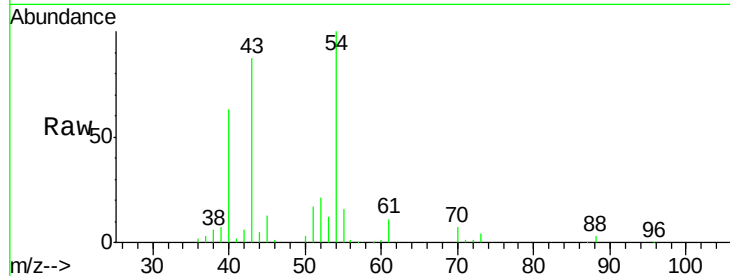




#37
Ethyl Acetate
Concen: 20.883 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

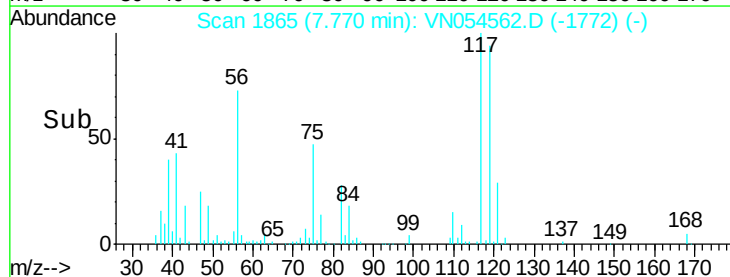
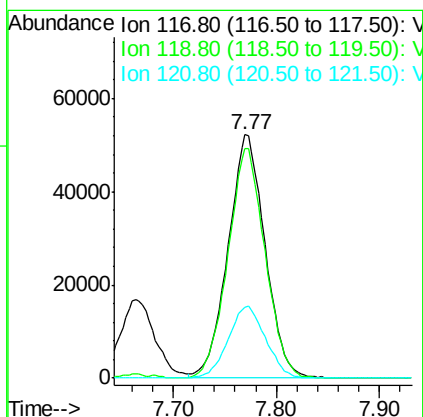
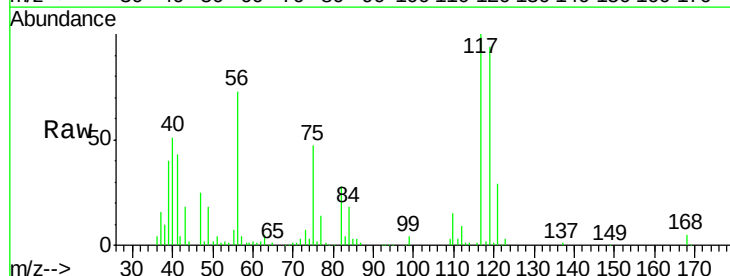
Instrument :
MSVOA_N
ClientSampleID :
VN0322WBSD01

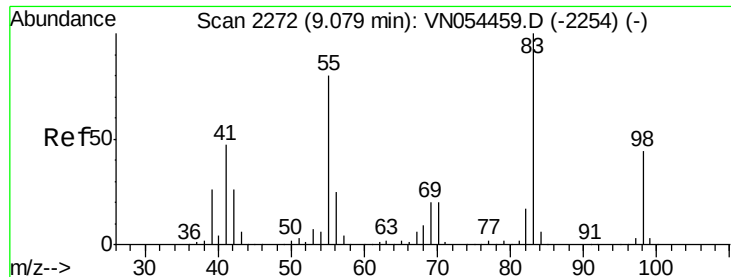
Tot Ion: 43 Resp: 102964
Ion Ratio Lower Upper
43 100
61 11.6 11.8 17.6#
70 8.9 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.368 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Tgt Ion: 117 Resp: 130476
Ion Ratio Lower Upper
117 100
119 94.3 76.3 114.5
121 28.9 24.6 36.8

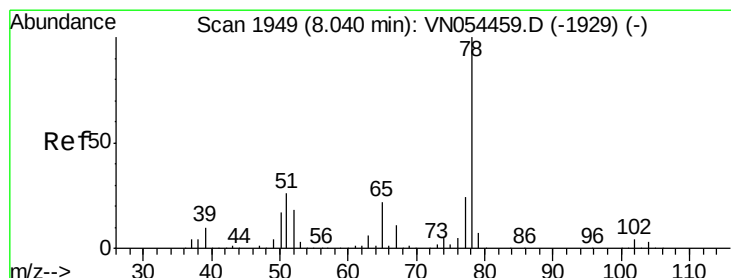
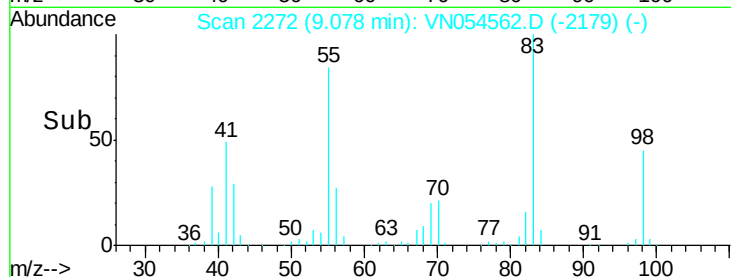
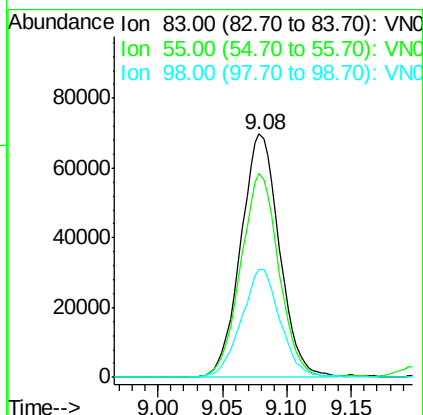
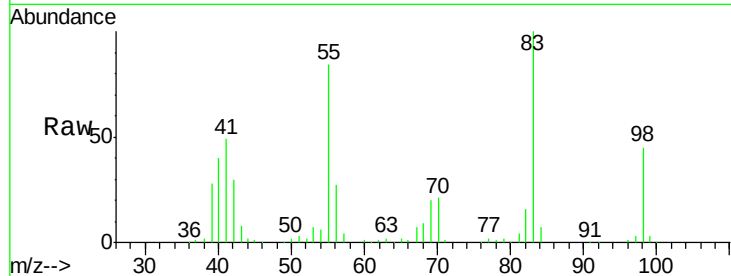




#39
Methylvlcyclohexane
Concen: 18.419 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

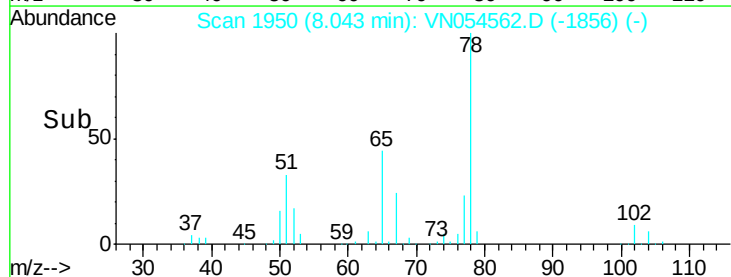
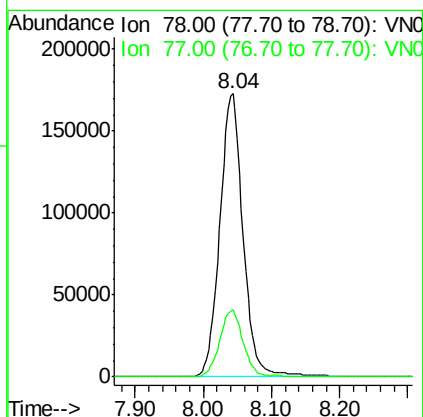
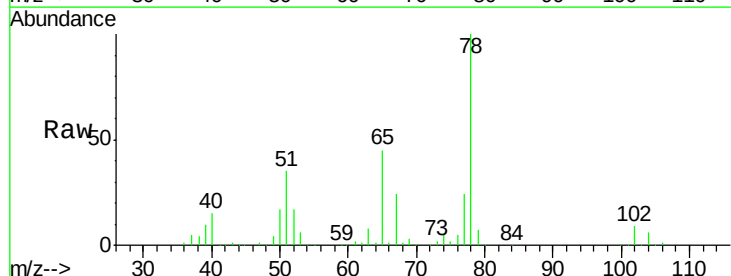
Instrument :
MSVOA_N
ClientSampleId :
VN0322WBSD01

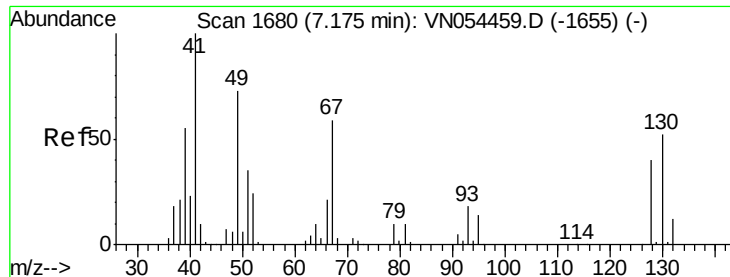
Tot Ion: 83 Resp: 146058
Ion Ratio Lower Upper
83 100
55 83.7 56.6 84.8
98 44.6 38.4 57.6



#40
Benzene
Concen: 20.620 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Tgt Ion: 78 Resp: 408760
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7

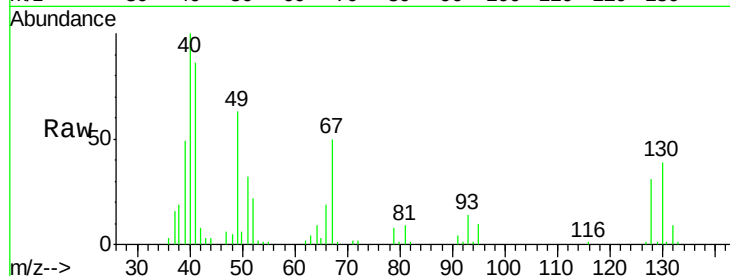




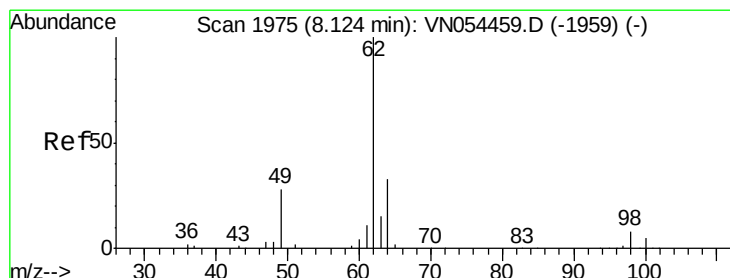
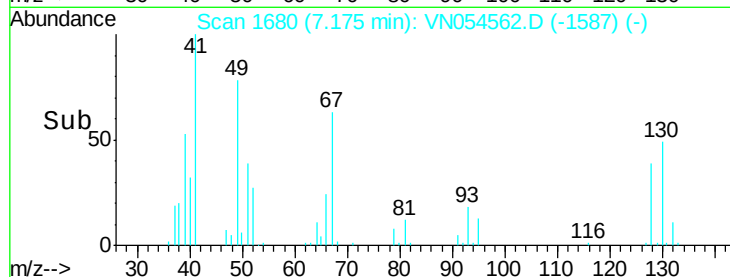
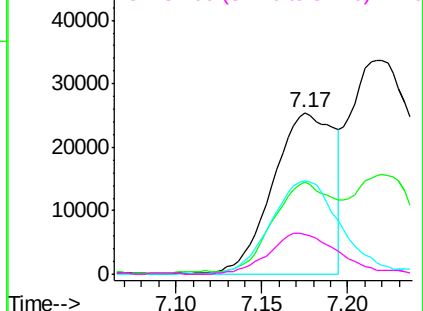
#41
Methacrylonitrile
Concen: 20.995 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0322WBSD01

Tot Ion: 41 Resp: 63130
Ion Ratio Lower Upper
41 100
39 52.5 46.8 70.2
67 66.2 67.0 100.4#
52 29.1 26.5 39.7

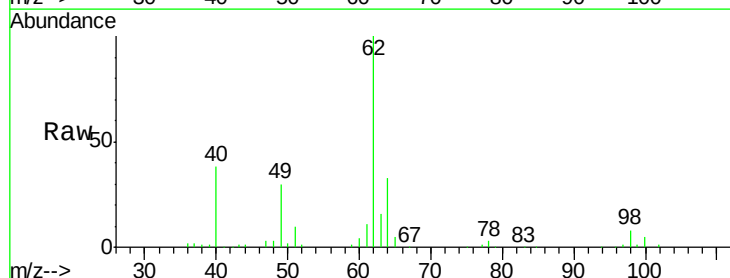


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

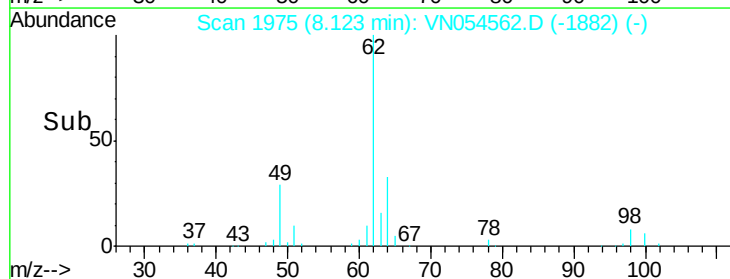
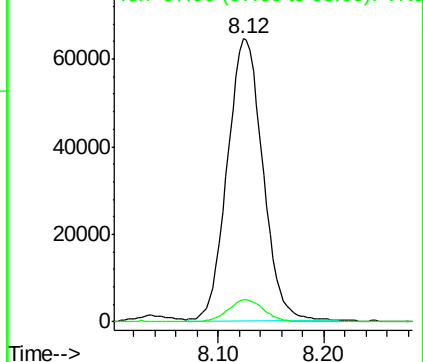


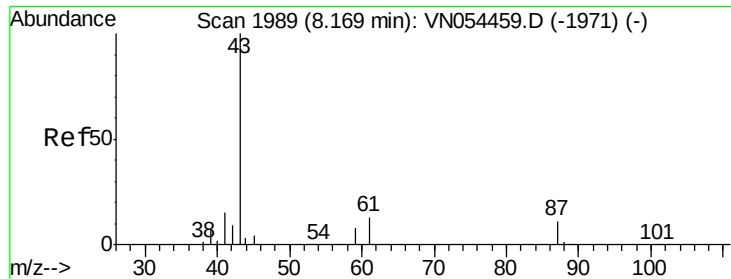
#42
1,2-Dichloroethane
Concen: 20.827 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Tgt Ion: 62 Resp: 150351
Ion Ratio Lower Upper
62 100
98 8.0 0.0 18.4



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





#43

Isopropyl Acetate

Concen: 20.993 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampled :

VN0322WBSD01

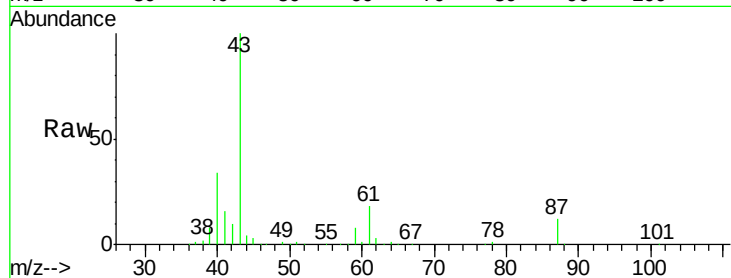
Tot Ion: 43 Resp: 174804

Ion Ratio Lower Upper

43 100

61 19.1 15.8 23.8

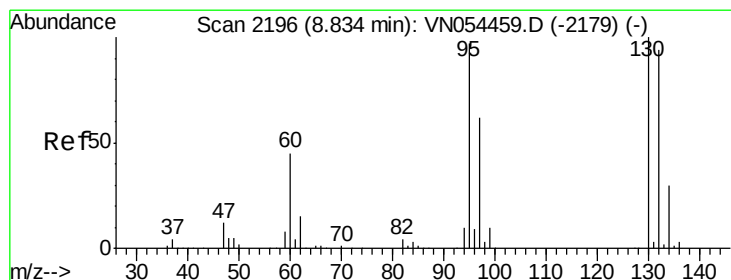
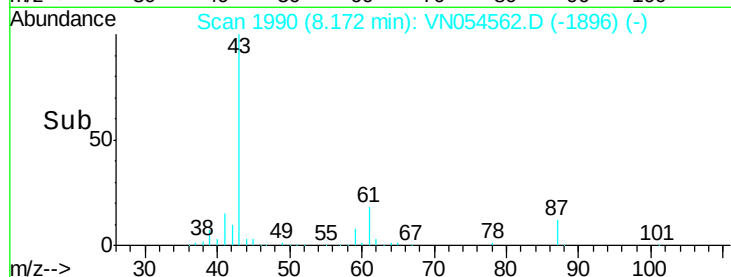
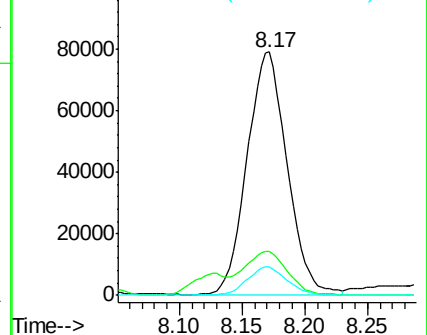
87 11.7 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054459.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054459.D (-1971) (-)



#44

Trichloroethene

Concen: 19.870 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054562.D

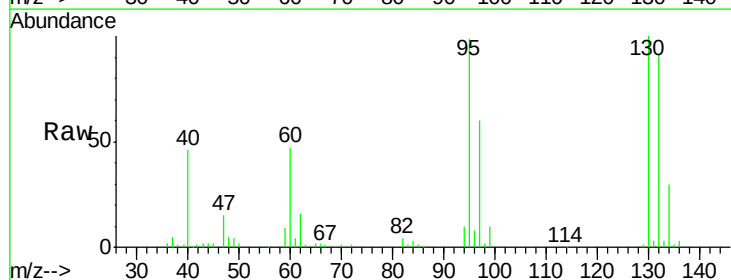
Acq: 22 Mar 2019 17:10

Tgt Ion:130 Resp: 109507

Ion Ratio Lower Upper

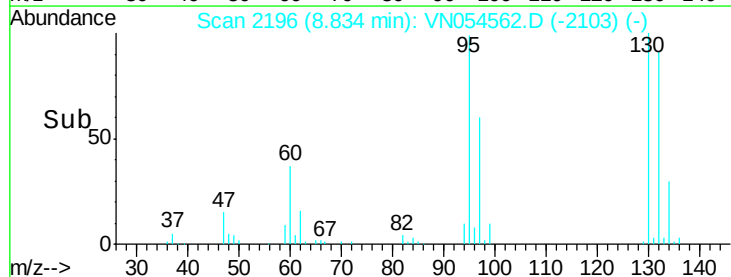
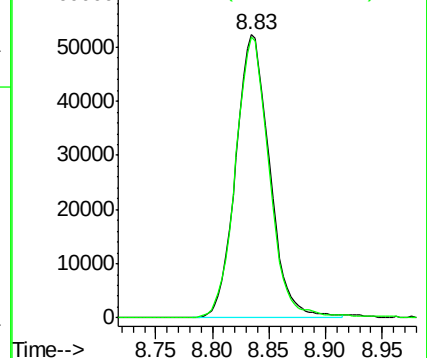
130 100

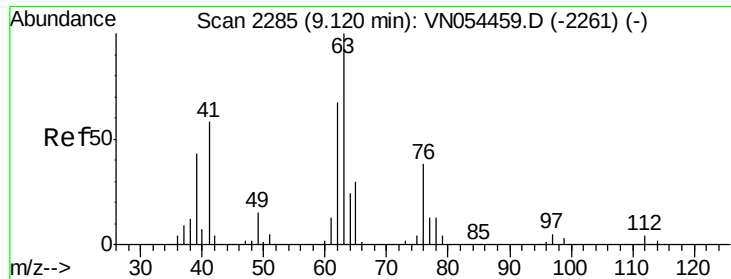
95 99.2 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054459.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN054459.D (-2179) (-)

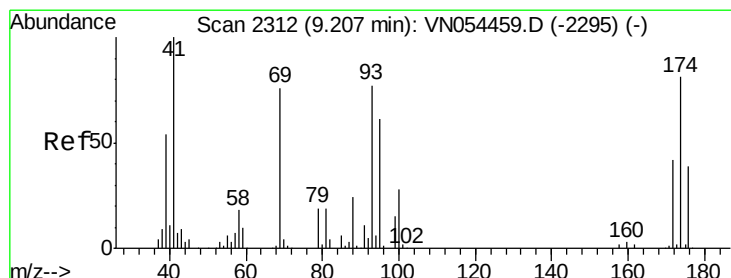
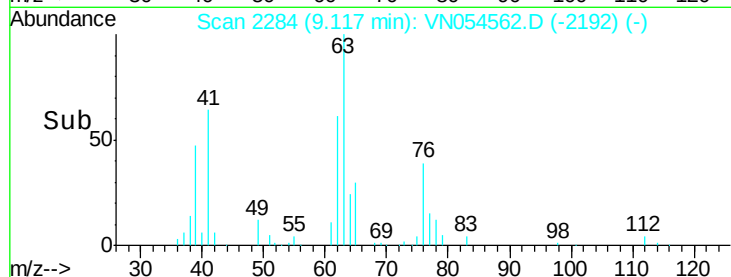
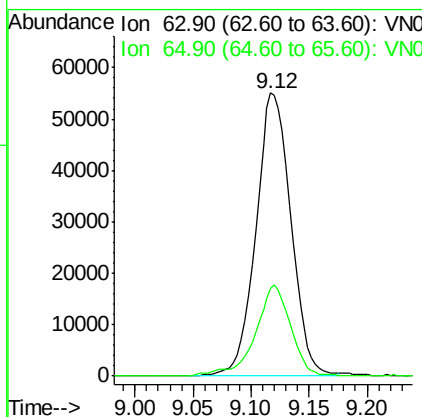
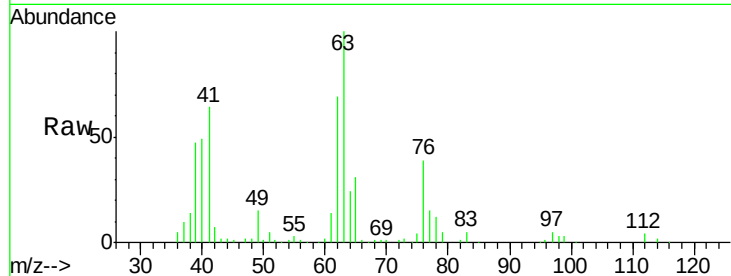




#45
 1,2-Dichloropropane
 Concen: 21.766 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

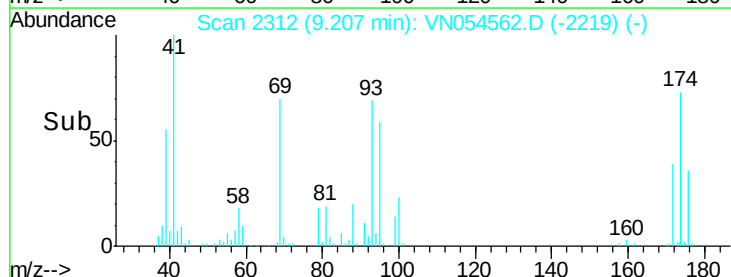
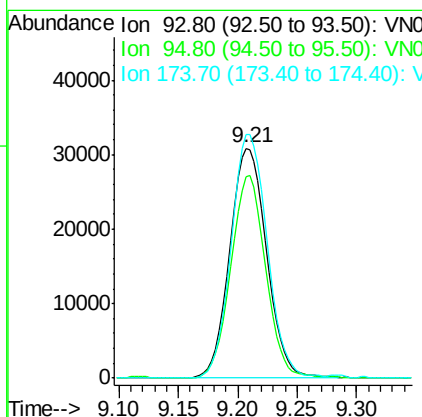
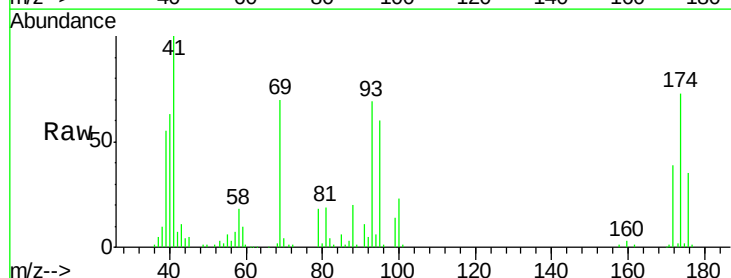
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322WBSD01

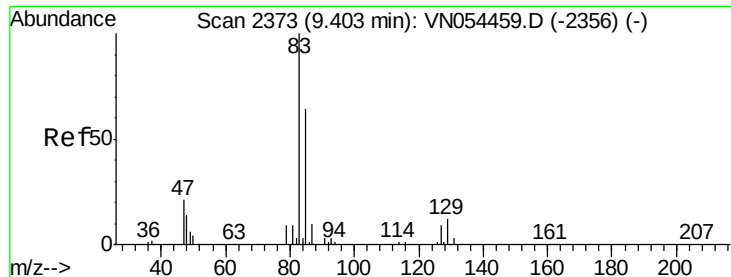
Tot Ion: 63 Resp: 115861
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.6



#46
 Dibromomethane
 Concen: 20.863 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Tgt Ion: 93 Resp: 66250
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.7 100.1
 174 103.2 98.5 147.7

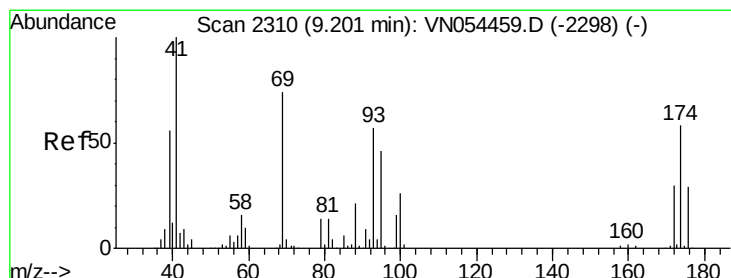
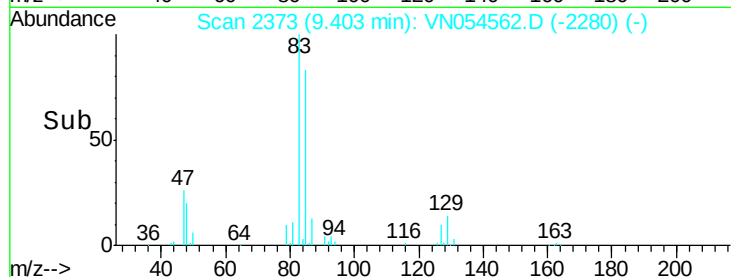
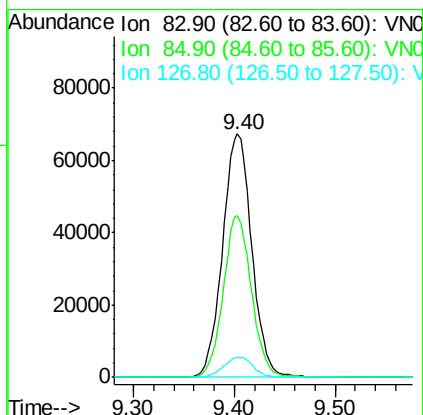
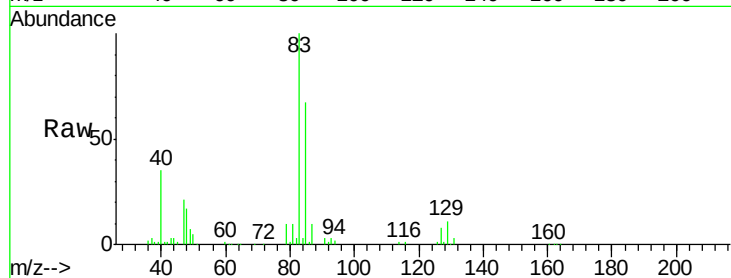




#47
Bromodichloromethane
Concen: 20.621 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

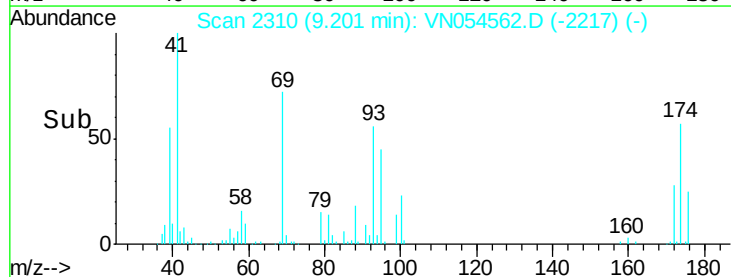
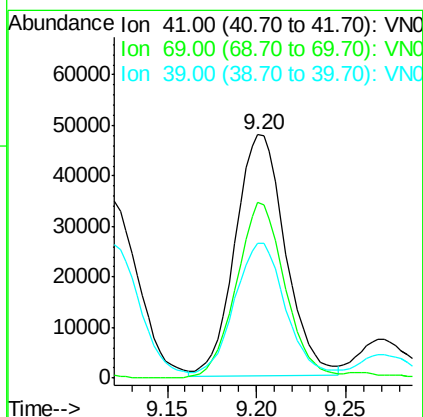
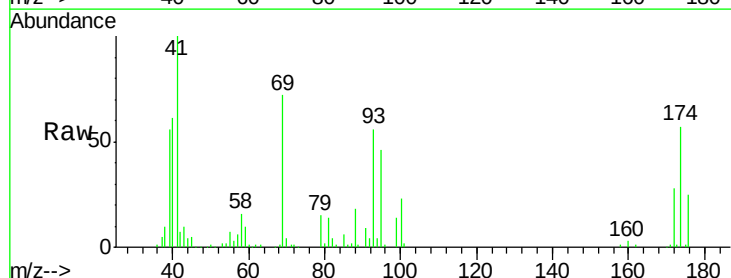
Instrument :
MSVOA_N
ClientSampleId :
VN0322WBSD01

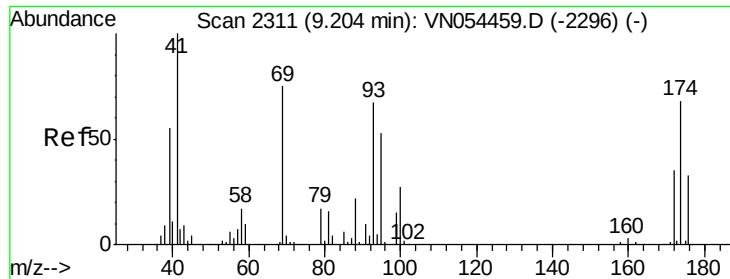
Tot Ion: 83 Resp: 135901
Ion Ratio Lower Upper
83 100
85 66.6 52.8 79.2
127 8.0 7.4 11.2



#48
Methyl methacrylate
Concen: 20.761 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Tgt Ion: 41 Resp: 93828
Ion Ratio Lower Upper
41 100
69 70.4 72.6 108.8#
39 55.8 47.5 71.3





#49

1,4-Dioxane

Concen: 402.251 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBSD01

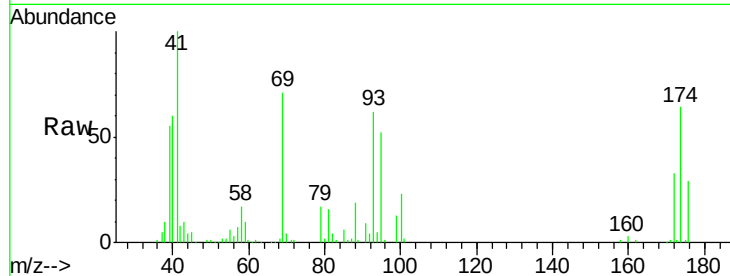
Tot Ion: 88 Resp: 20324

Ion Ratio Lower Upper

88 100

43 44.4 24.1 36.1#

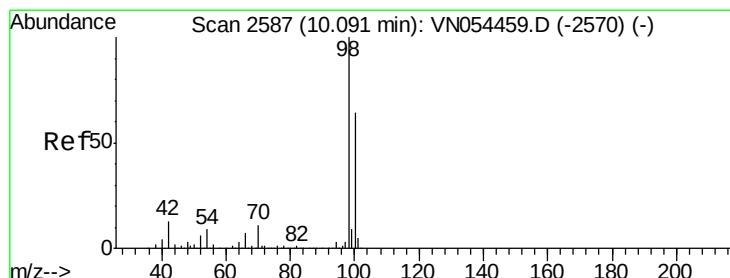
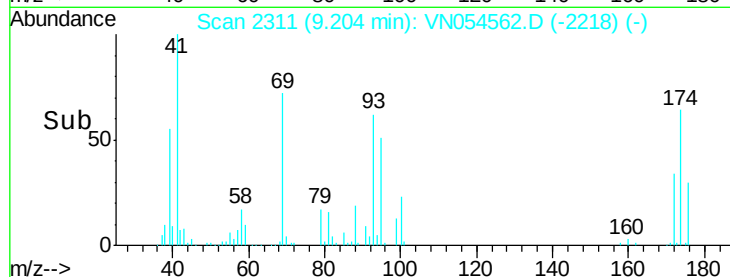
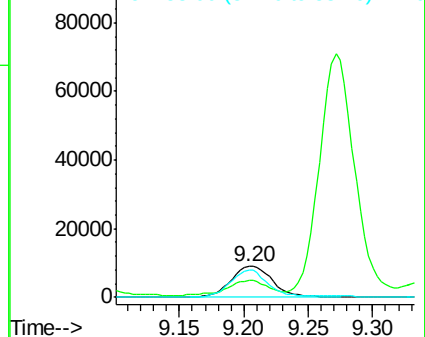
58 80.0 50.8 76.2#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 48.775 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054562.D

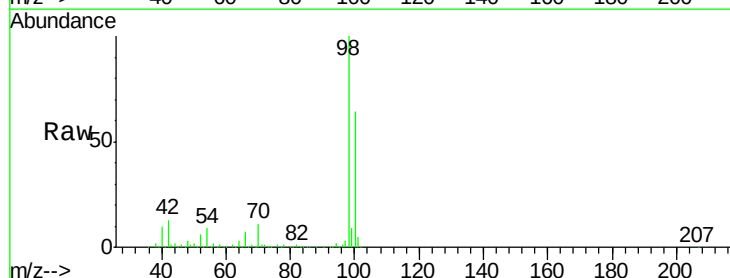
Acq: 22 Mar 2019 17:10

Tgt Ion: 98 Resp: 875846

Ion Ratio Lower Upper

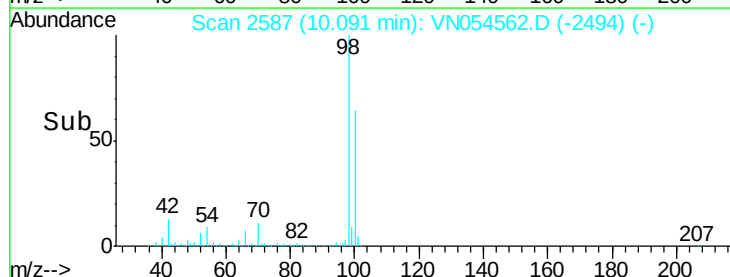
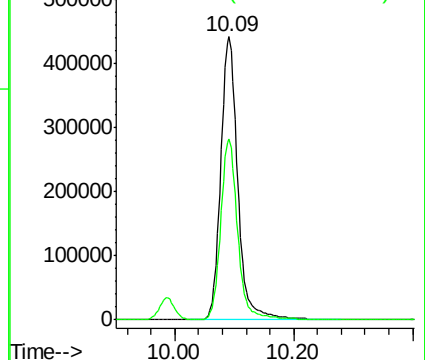
98 100

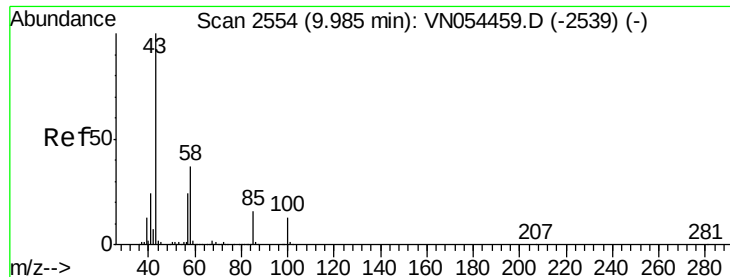
100 63.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

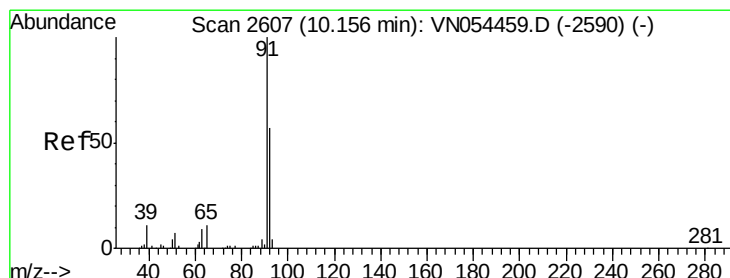
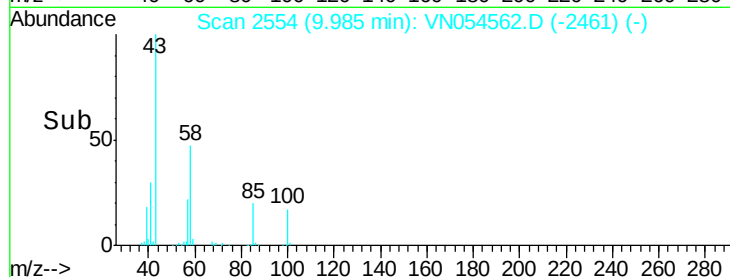
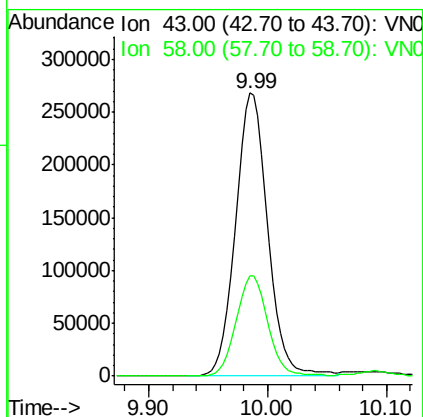
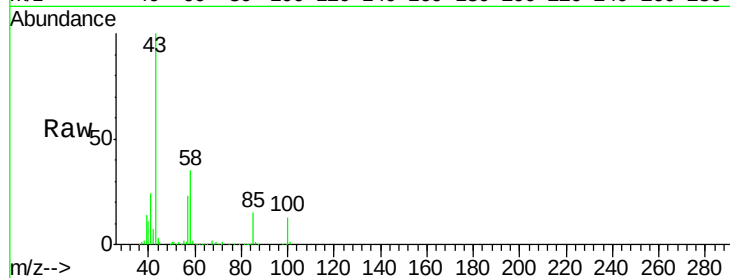




#51
4-Methyl-2-Pentanone
Concen: 108.048 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

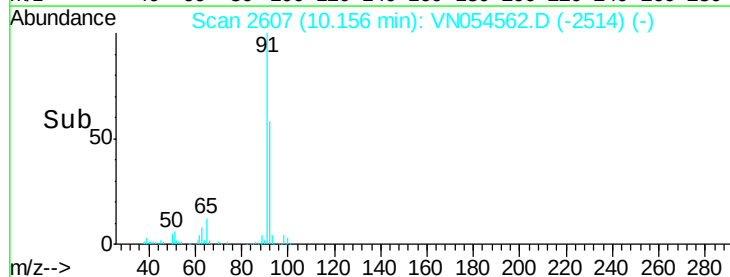
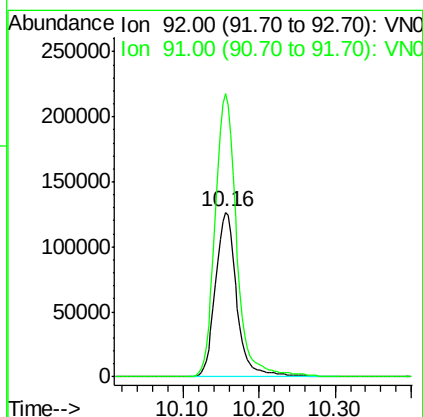
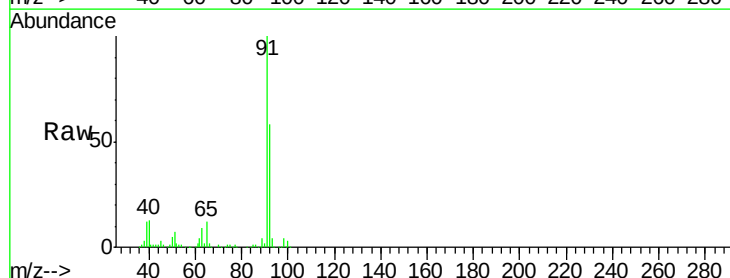
Instrument :
MSVOA_N
ClientSampleId :
VN0322WBSD01

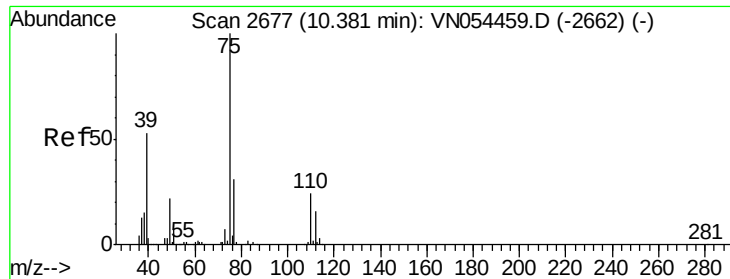
Tot Ion: 43 Resp: 498617
Ion Ratio Lower Upper
43 100
58 35.1 31.8 47.6



#52
Toluene
Concen: 20.164 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Tgt Ion: 92 Resp: 245848
Ion Ratio Lower Upper
92 100
91 173.8 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 18.295 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampled :

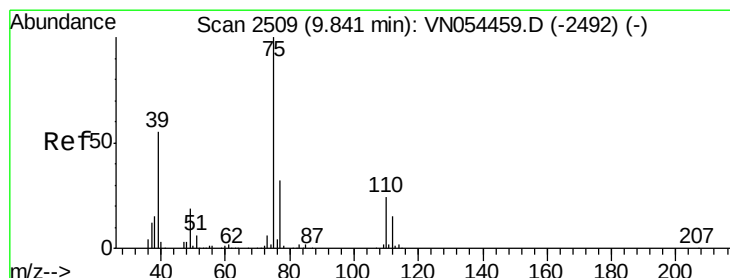
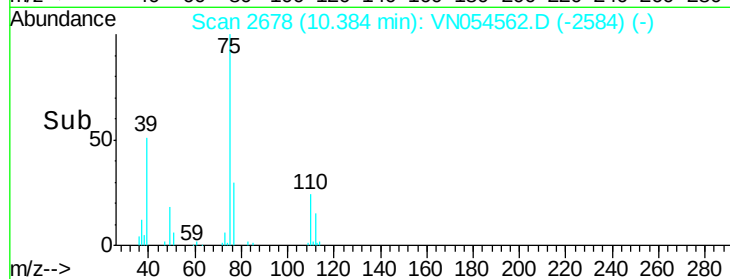
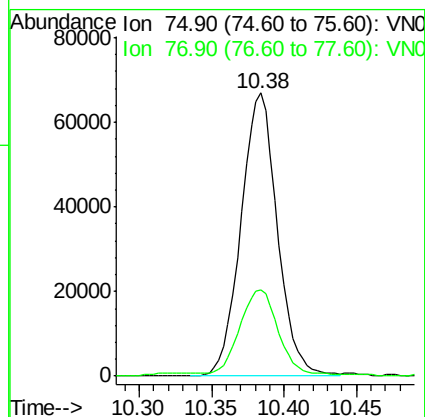
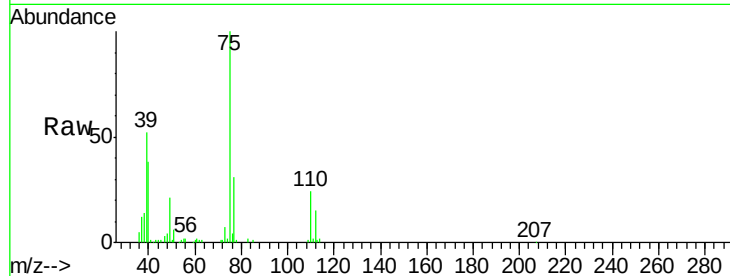
VN0322WBSD01

Tot Ion: 75 Resp: 116890

Ion Ratio Lower Upper

75 100

77 30.1 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 19.745 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

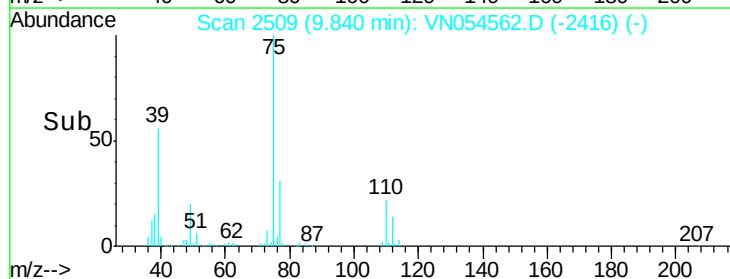
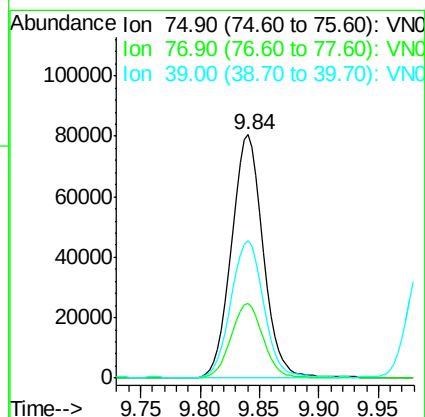
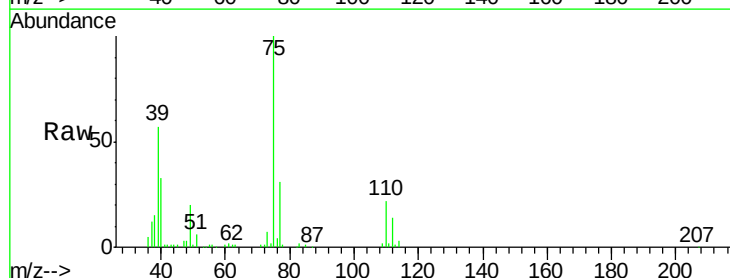
Tgt Ion: 75 Resp: 149206

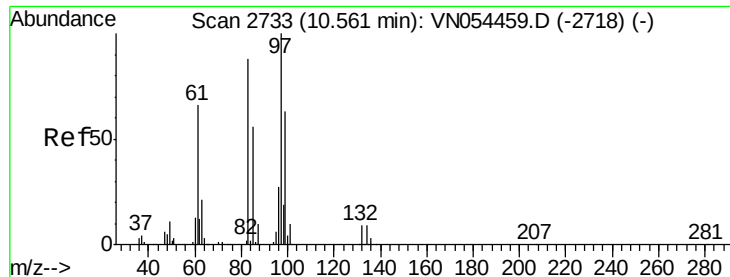
Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0

39 56.2 37.2 55.8#

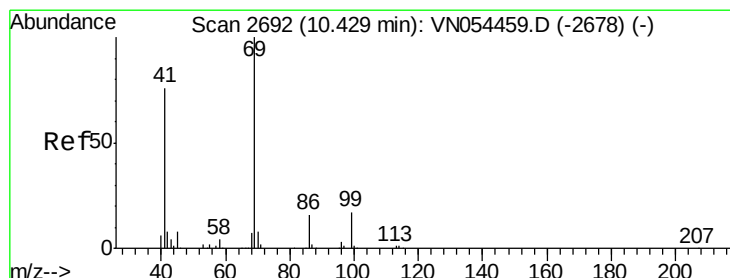
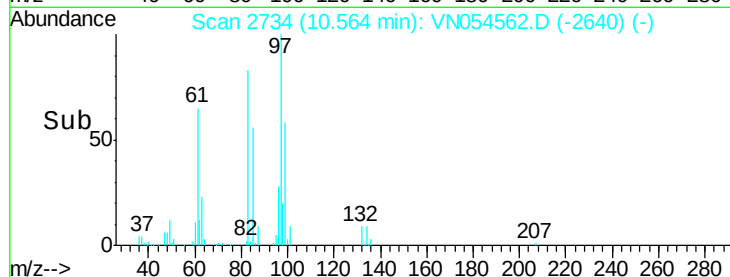
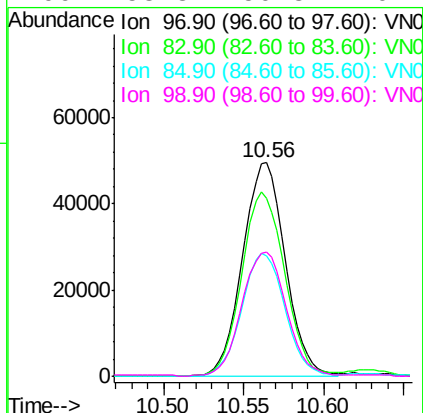
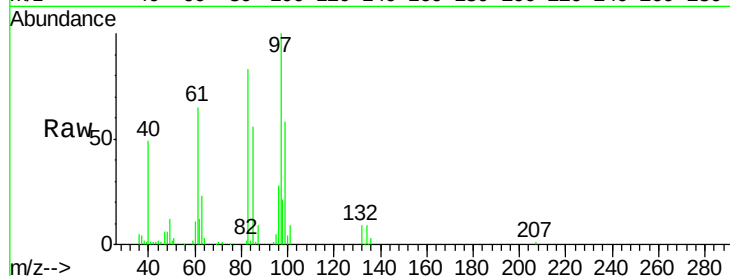




#55
 1,1,2-Trichloroethane
 Concen: 20.653 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

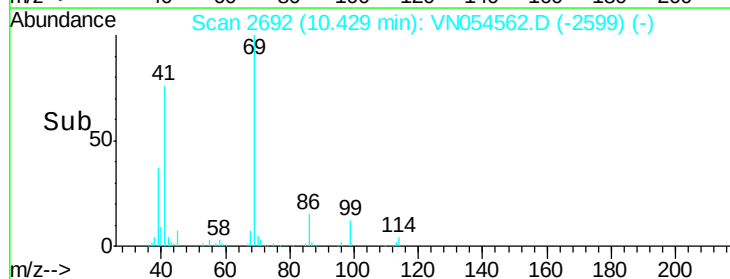
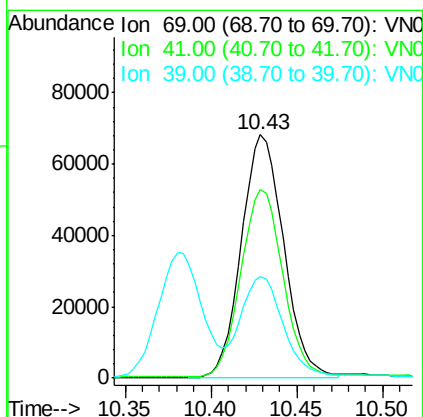
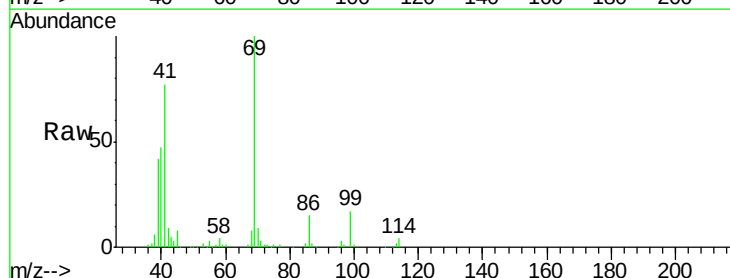
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322WBSD01

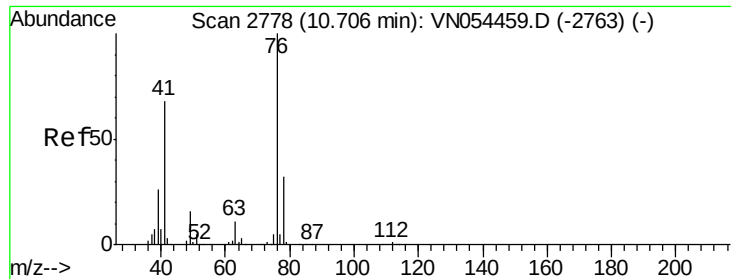
Tot Ion:	97	Resp:	90517
Ion	Ratio	Lower	Upper
97	100		
83	83.3	66.6	100.0
85	56.4	44.4	66.6
99	58.3	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 19.871 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Tgt Ion:	69	Resp:	116892
Ion	Ratio	Lower	Upper
69	100		
41	75.5	49.4	74.2#
39	40.8	28.3	42.5

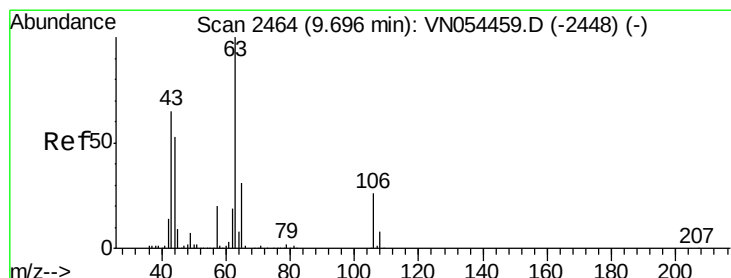
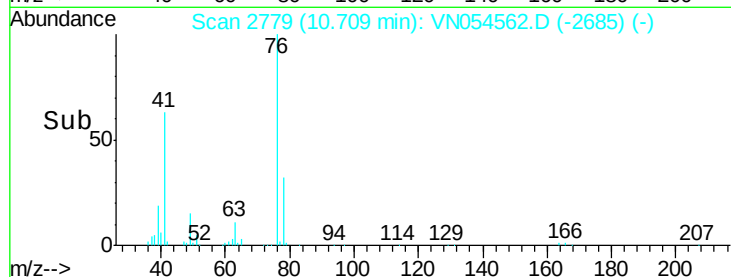
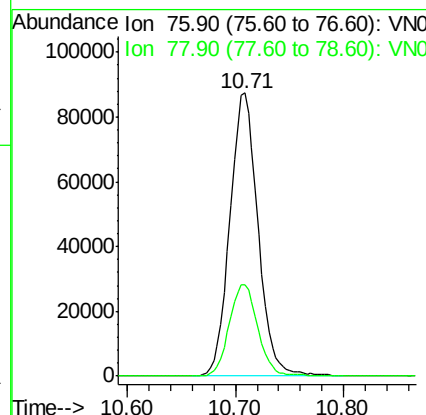
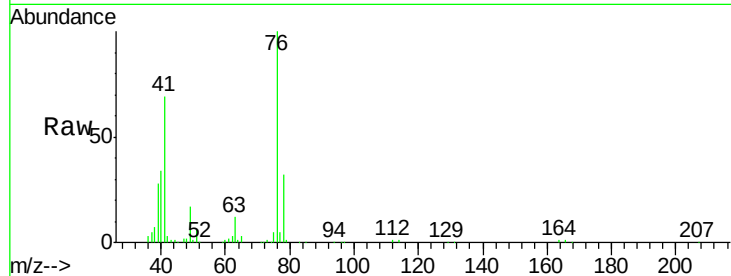




#57
 1,3-Dichloropropane
 Concen: 20.886 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

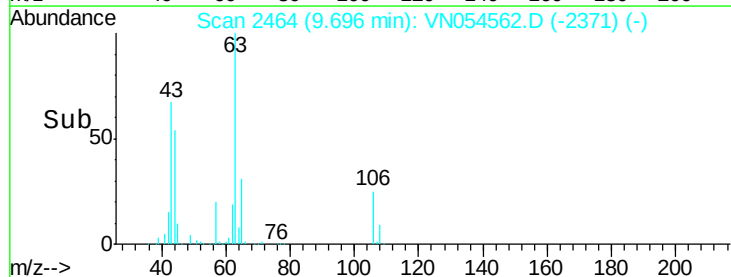
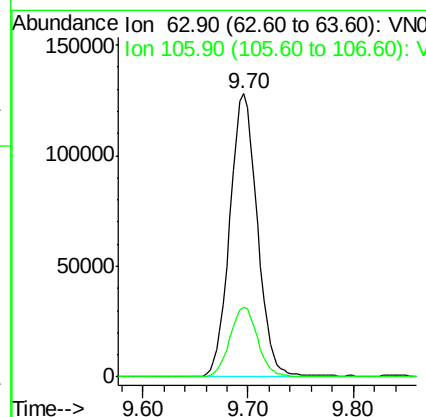
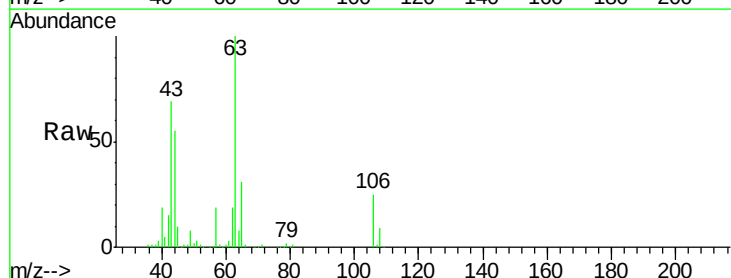
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322WBSD01

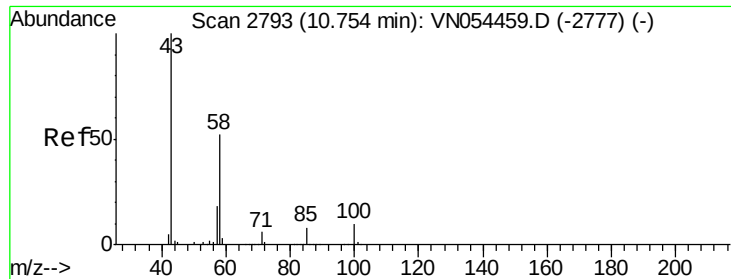
Tot Ion: 76 Resp: 159121
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.685 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Tgt Ion: 63 Resp: 231772
 Ion Ratio Lower Upper
 63 100
 106 24.8 24.4 36.6

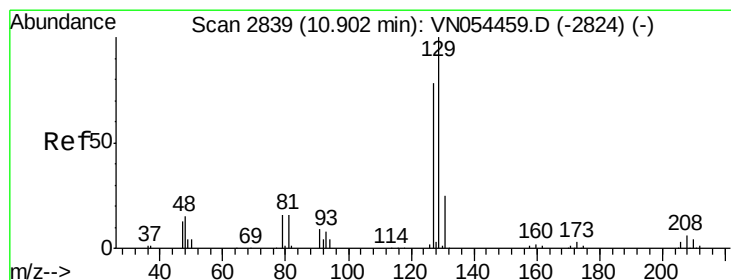
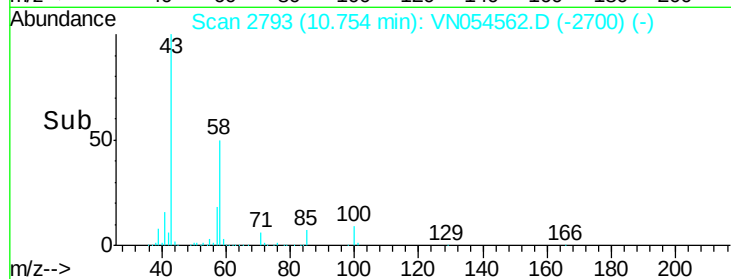
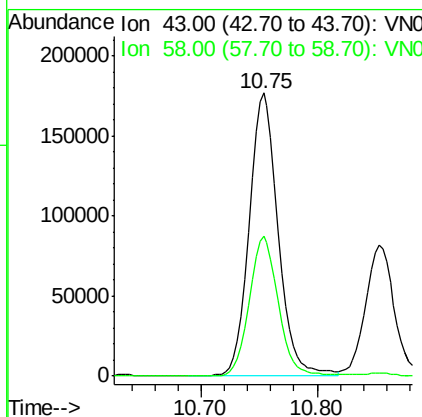
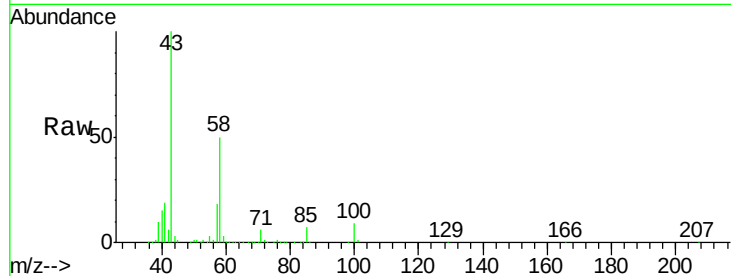




#59
2-Hexanone
Concen: 101.788 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

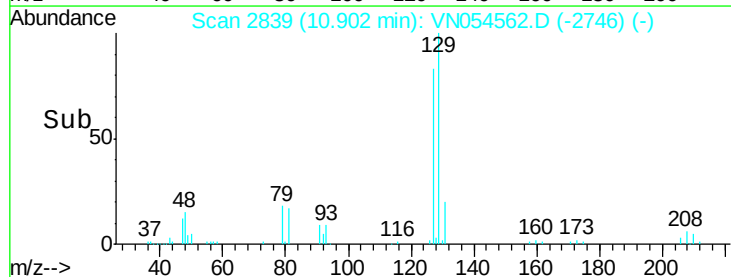
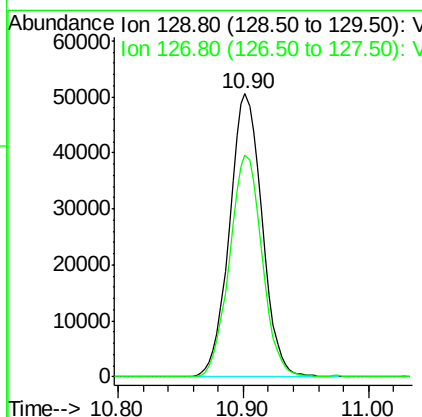
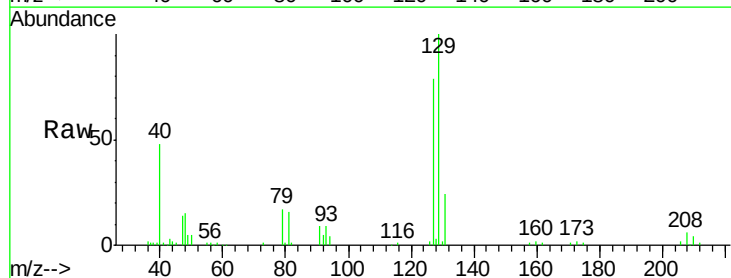
Instrument :
MSVOA_N
ClientSampleId :
VN0322WBSD01

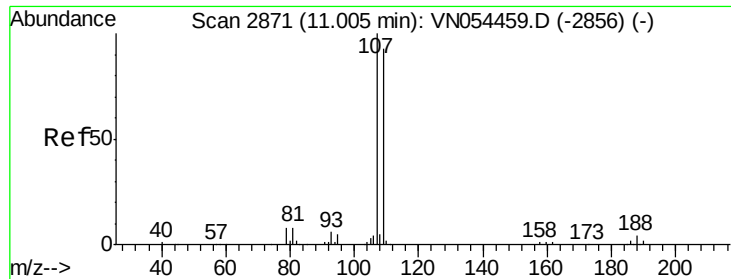
Tot Ion: 43 Resp: 306824
Ion Ratio Lower Upper
43 100
58 49.6 28.0 83.9



#60
Dibromochloromethane
Concen: 19.582 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Tgt Ion: 129 Resp: 91324
Ion Ratio Lower Upper
129 100
127 78.1 38.6 115.8

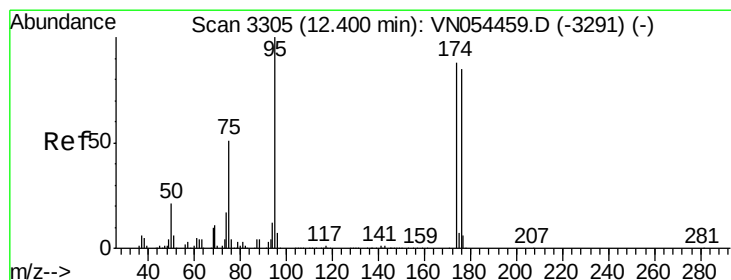
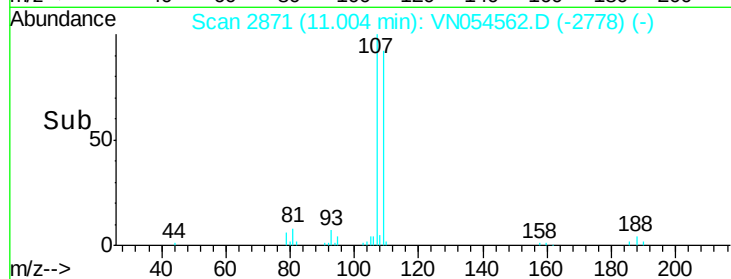
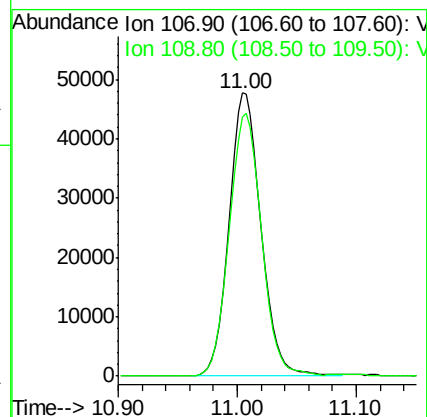
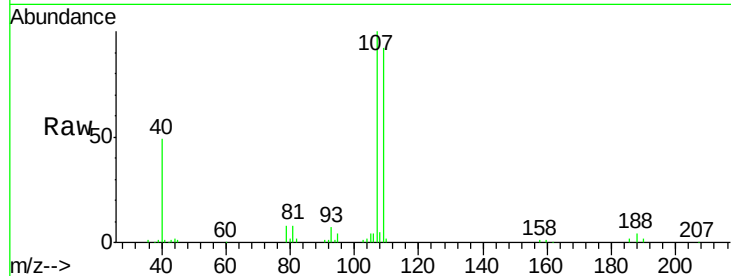




#61
 1,2-Dibromoethane
 Concen: 20.434 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

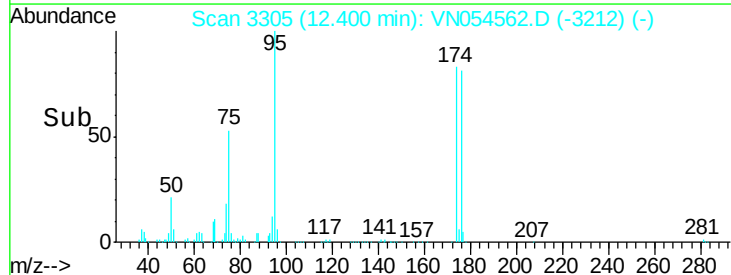
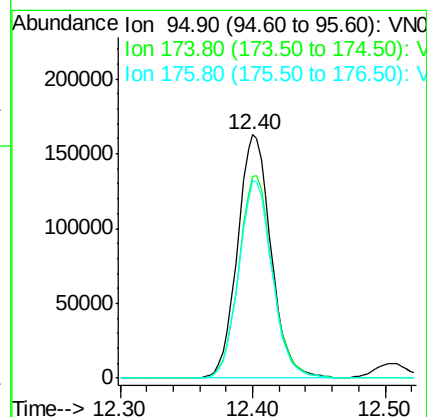
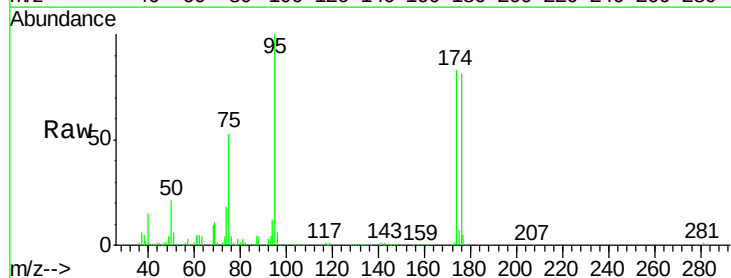
Instrument :
 MSVOA_N
 ClientSampled :
 VN0322WBSD01

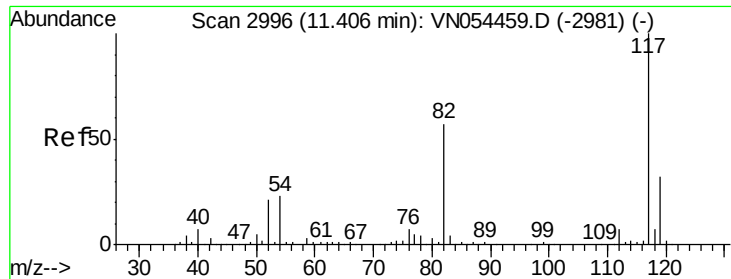
Tot Ion:107 Resp: 88536
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 46.675 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Tgt Ion: 95 Resp: 285204
 Ion Ratio Lower Upper
 95 100
 174 83.7 0.0 191.0
 176 81.1 0.0 187.4

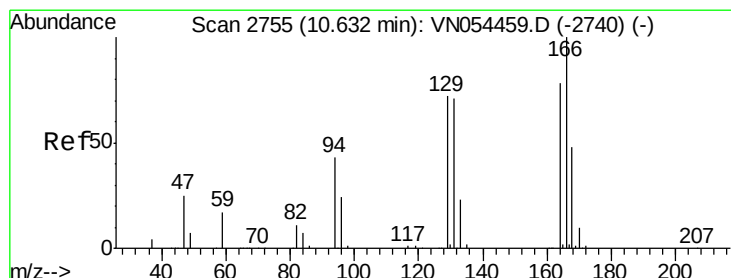
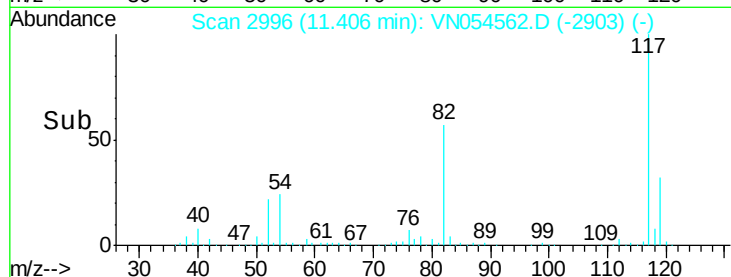
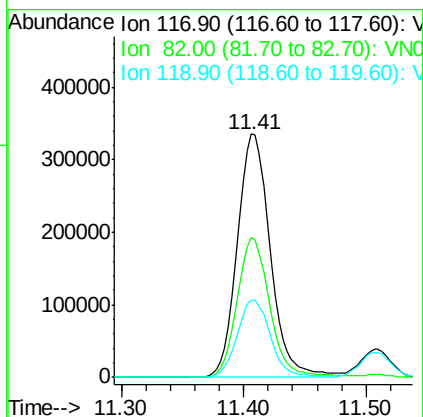
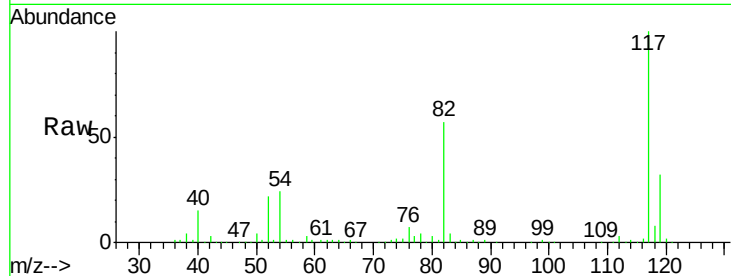




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

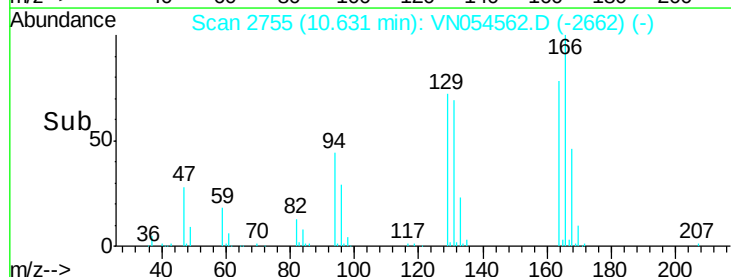
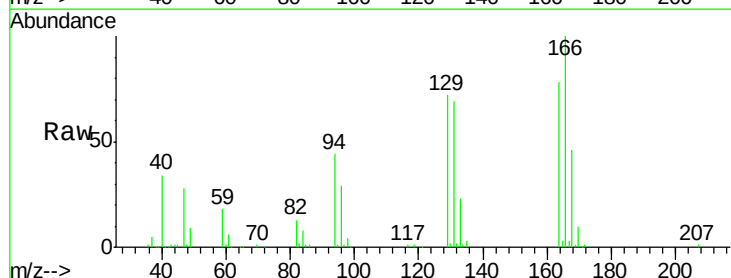
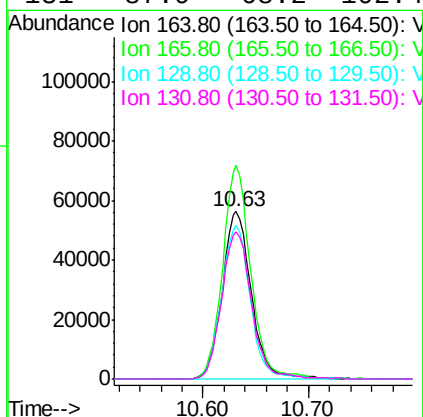
Instrument :
MSVOA_N
ClientSampleId :
VN0322WBSD01

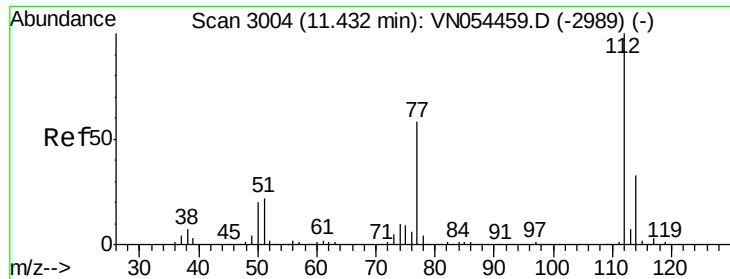
Tot Ion:117 Resp: 627738
Ion Ratio Lower Upper
117 100
82 57.4 40.0 60.0
119 32.0 25.8 38.6



#64
Tetrachloroethene
Concen: 20.592 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Tgt Ion:164 Resp: 107221
Ion Ratio Lower Upper
164 100
166 127.5 103.9 155.9
129 91.4 71.1 106.7
131 87.9 68.2 102.4





#65

Chlorobenzene

Concen: 19.910 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

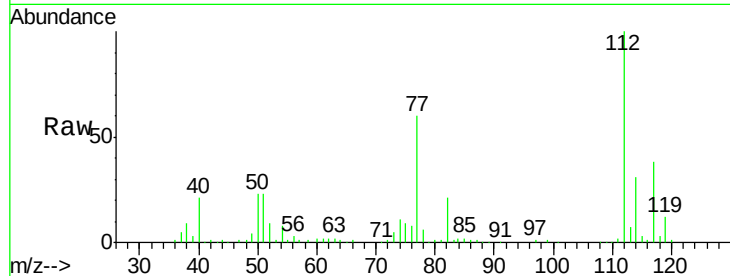
VN0322WBSD01

Tot Ion:112 Resp: 254205

Ion Ratio Lower Upper

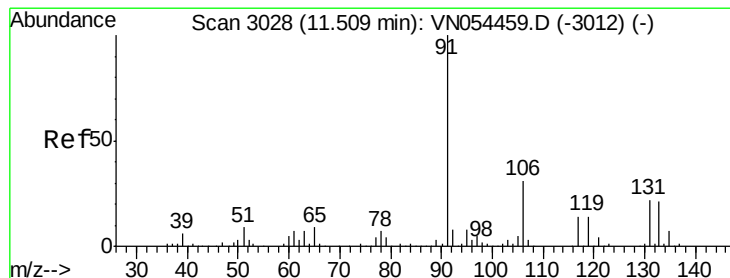
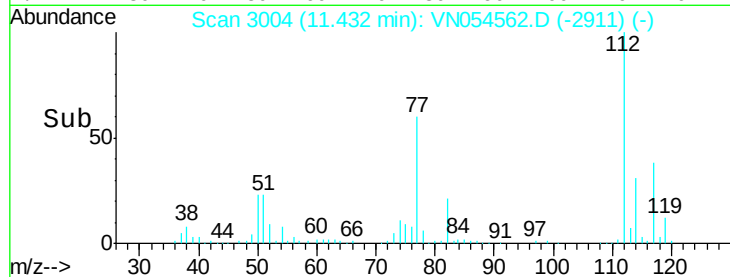
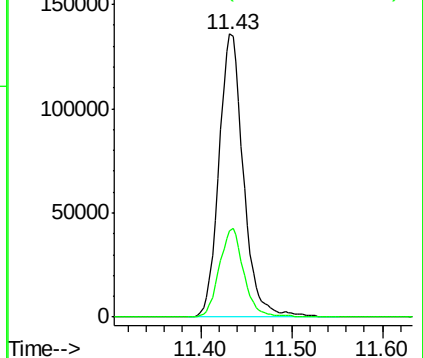
112 100

114 30.7 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.603 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

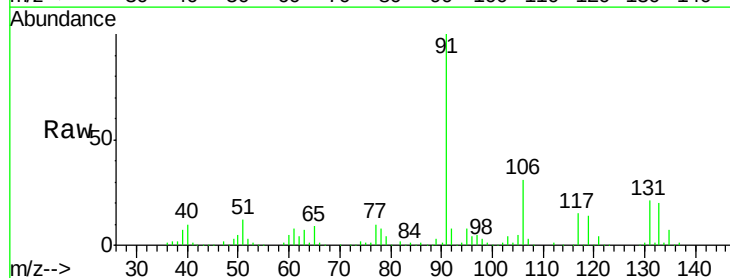
Tgt Ion:131 Resp: 94414

Ion Ratio Lower Upper

131 100

133 96.5 47.6 142.9

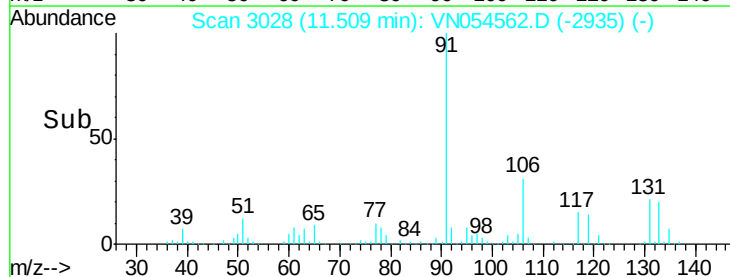
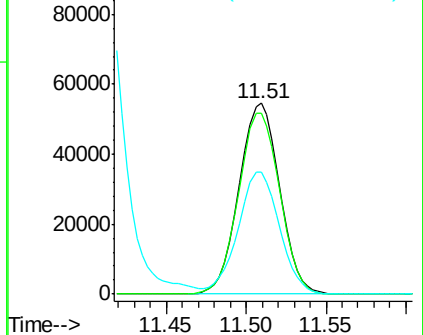
119 65.6 32.4 97.0

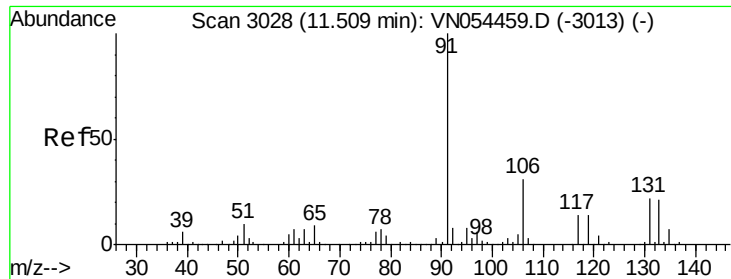


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

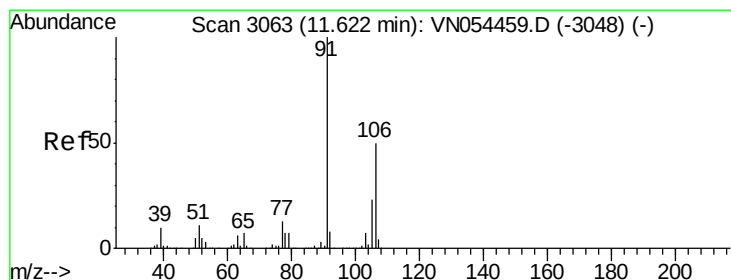
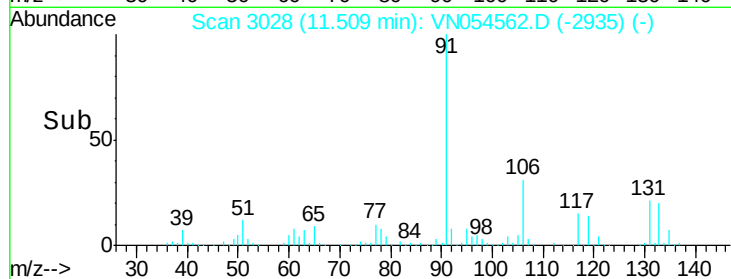
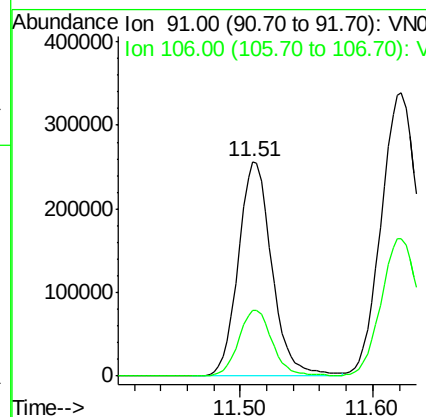
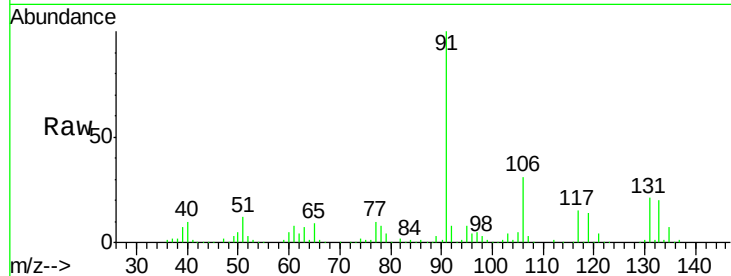




#67
Ethyl Benzene
Concen: 20.032 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

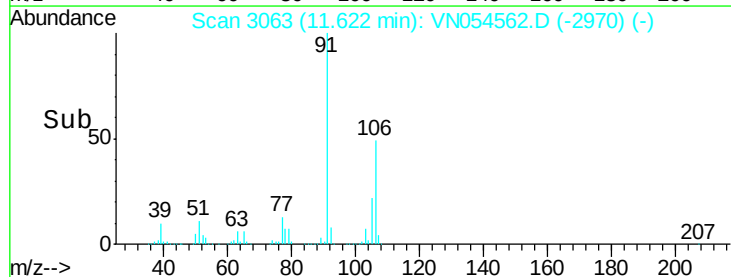
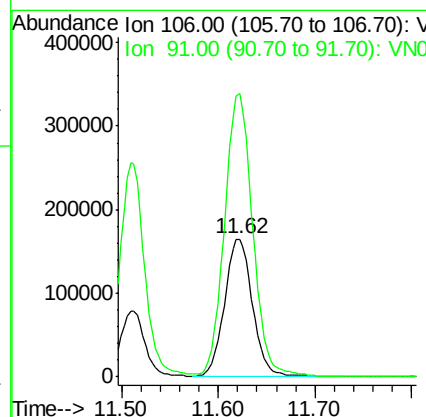
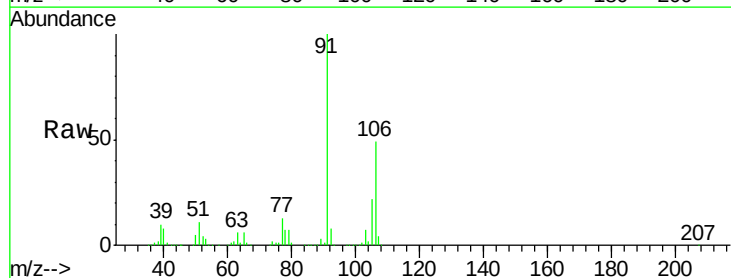
Instrument :
MSVOA_N
ClientSampled :
VN0322WBSD01

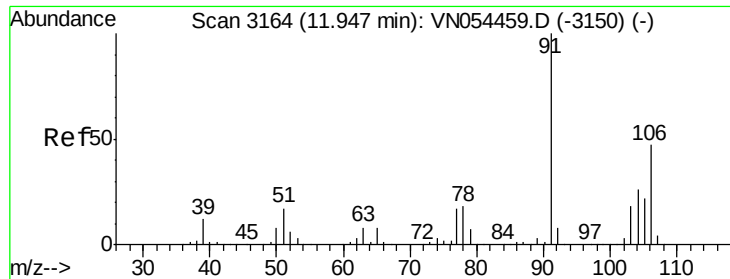
Tot Ion: 91 Resp: 451786
Ion Ratio Lower Upper
91 100
106 30.6 25.5 38.3



#68
m/p-Xylenes
Concen: 38.996 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Tgt Ion: 106 Resp: 333121
Ion Ratio Lower Upper
106 100
91 206.2 159.4 239.2

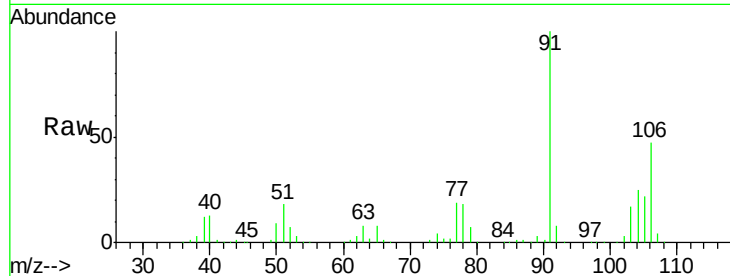




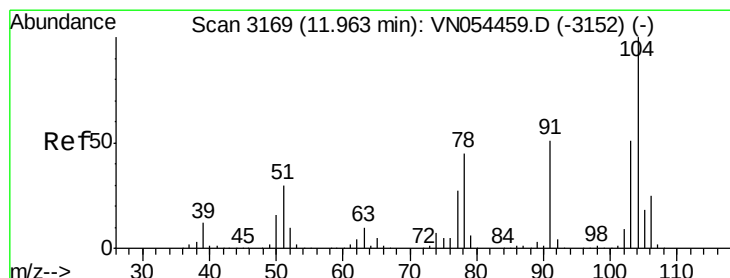
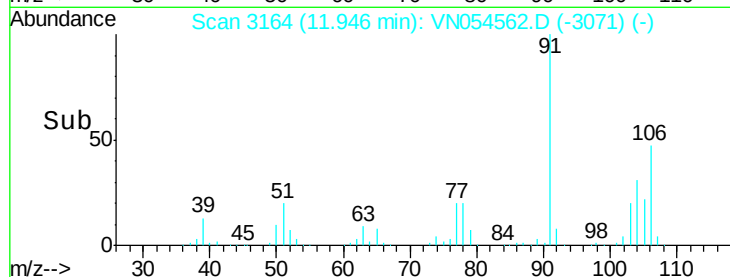
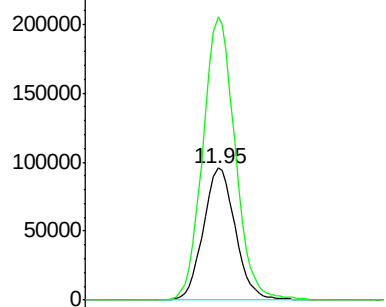
#69
o-Xylene
Concen: 19.850 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Instrument :
MSVOA_N
ClientSampled :
VN0322WBSD01

Tot Ion:106 Resp: 165600
Ion Ratio Lower Upper
106 100
91 216.0 105.7 317.1

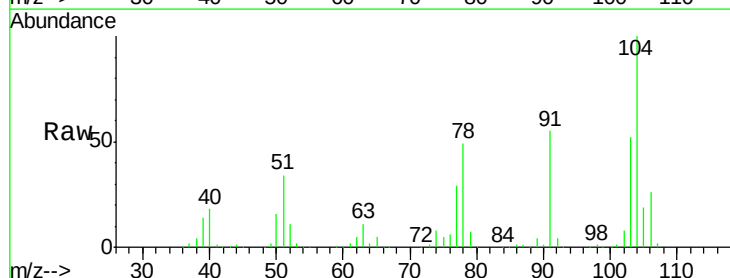


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

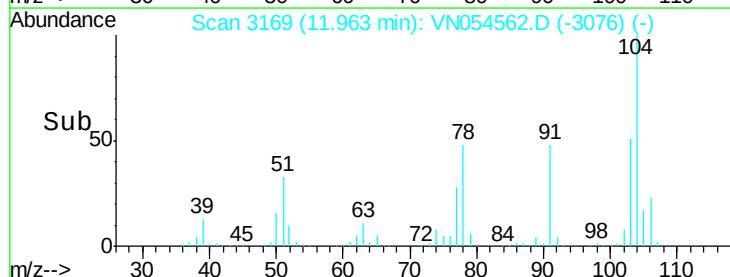
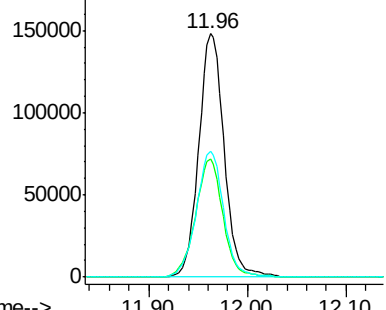


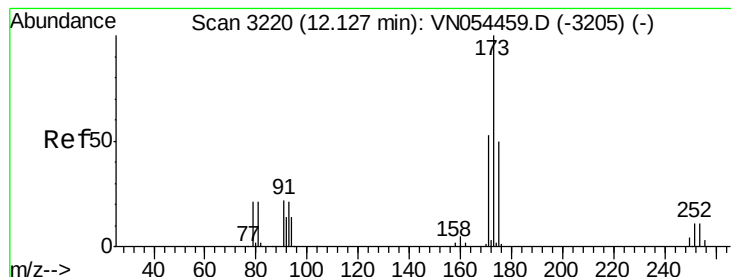
#70
Styrene
Concen: 19.723 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Tgt Ion:104 Resp: 267200
Ion Ratio Lower Upper
104 100
78 52.3 38.2 57.2
103 55.8 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.241 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBSD01

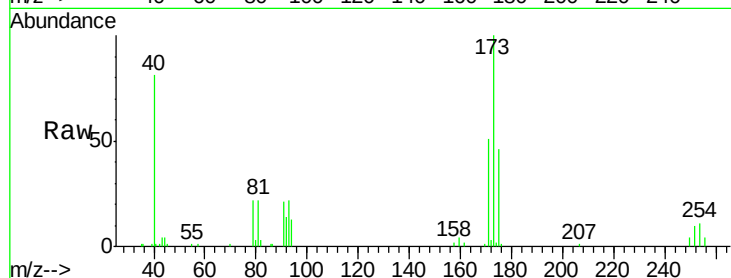
Tot Ion:173 Resp: 52969

Ion Ratio Lower Upper

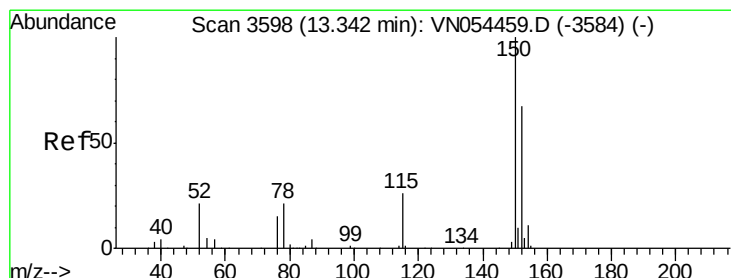
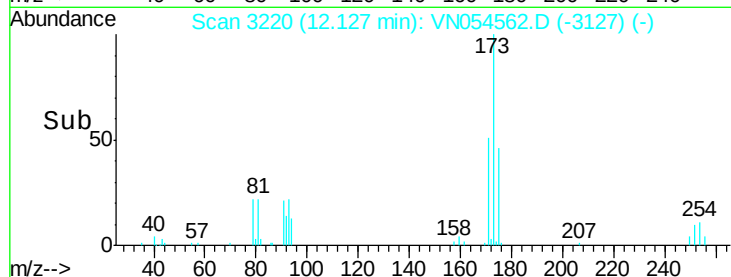
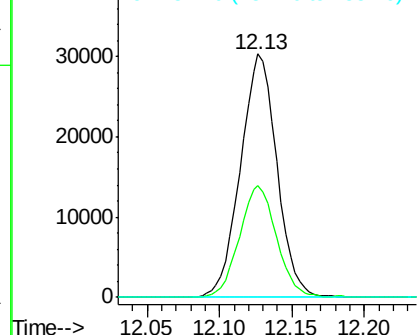
173 100

175 46.5 24.4 73.2

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

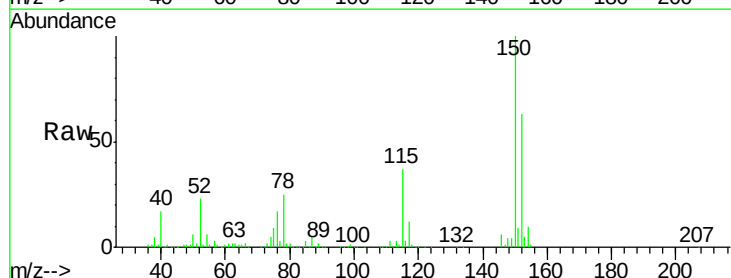
Tgt Ion:152 Resp: 255589

Ion Ratio Lower Upper

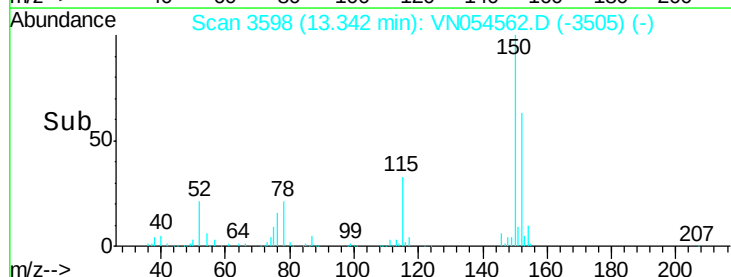
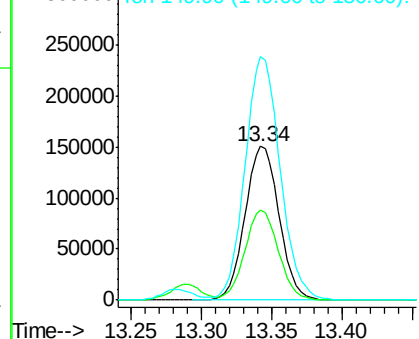
152 100

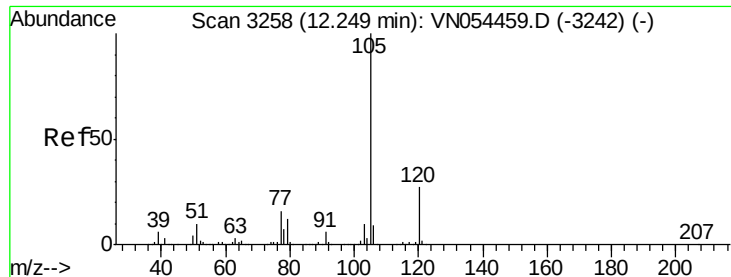
115 57.8 27.2 81.6

150 163.1 0.0 349.2



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





#73

Isopropylbenzene

Concen: 20.912 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampled :

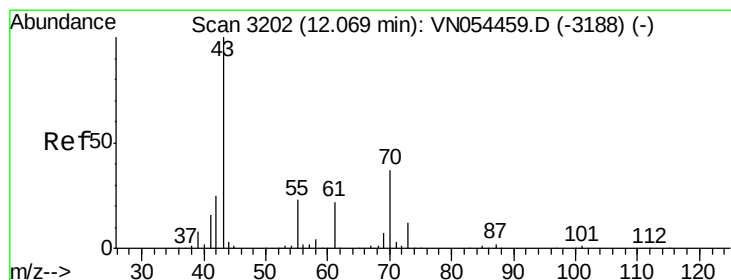
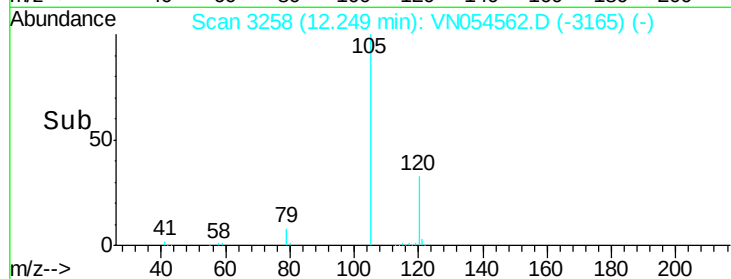
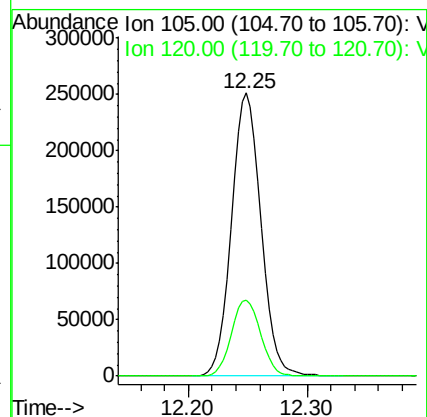
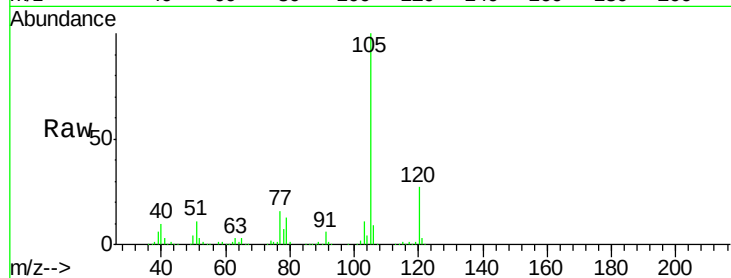
VN0322WBSD01

Tot Ion:105 Resp: 430699

Ion Ratio Lower Upper

105 100

120 26.8 13.8 41.3



#74

N-ethyl acetate

Concen: 22.197 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Tgt Ion: 43 Resp: 131450

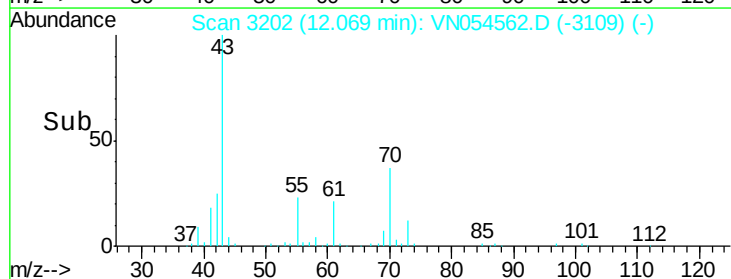
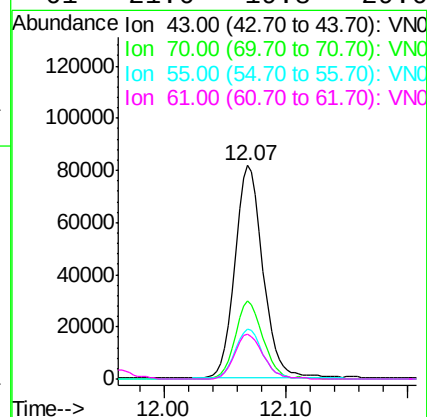
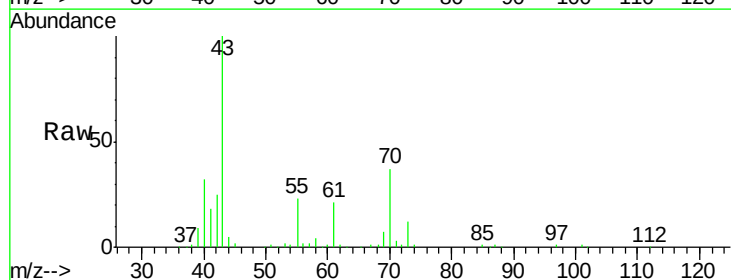
Ion Ratio Lower Upper

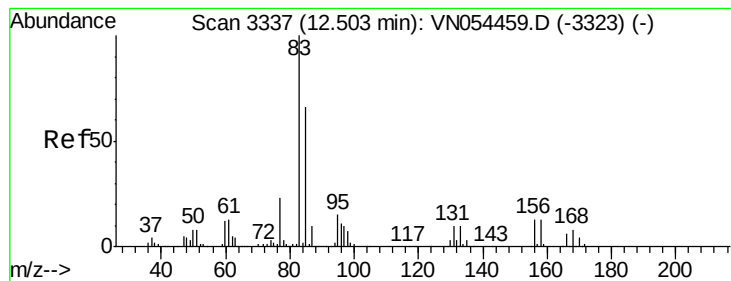
43 100

70 36.4 35.4 53.0

55 23.8 19.8 29.6

61 21.6 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.387 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBSD01

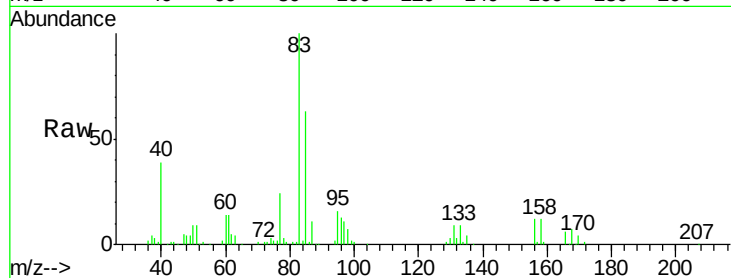
Tot Ion: 83 Resp: 105255

Ion Ratio Lower Upper

83 100

131 10.0 5.8 17.4

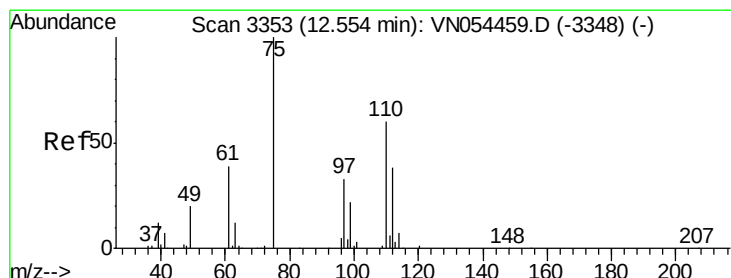
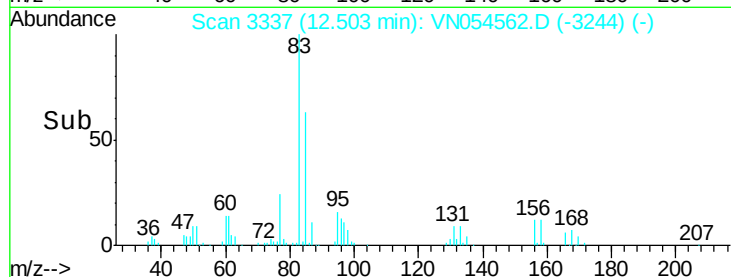
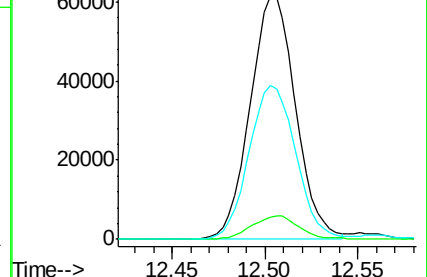
85 65.0 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 31.365 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054562.D

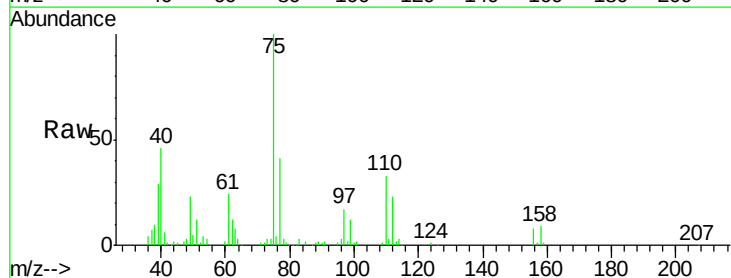
Acq: 22 Mar 2019 17:10

Tgt Ion: 75 Resp: 127212

Ion Ratio Lower Upper

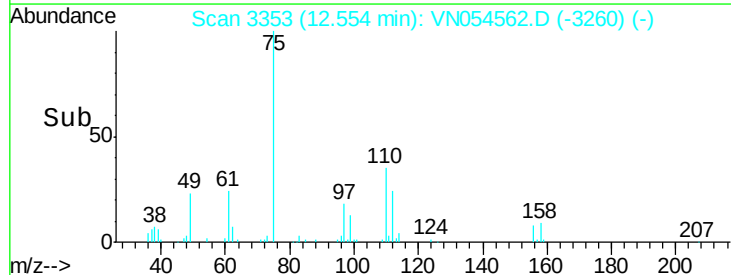
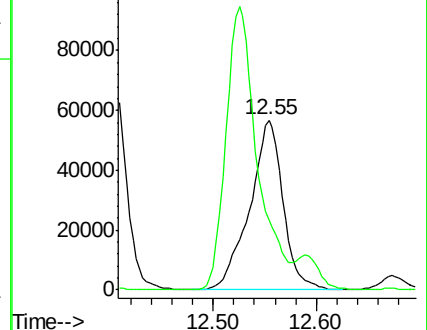
75 100

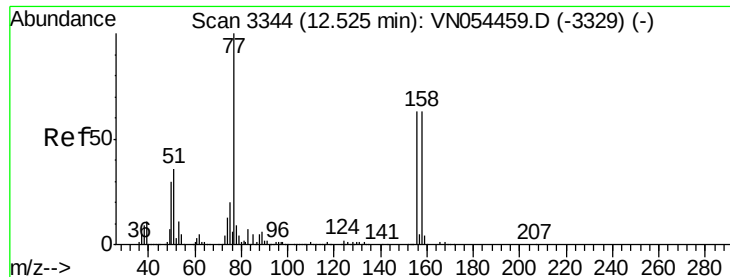
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.451 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBSD01

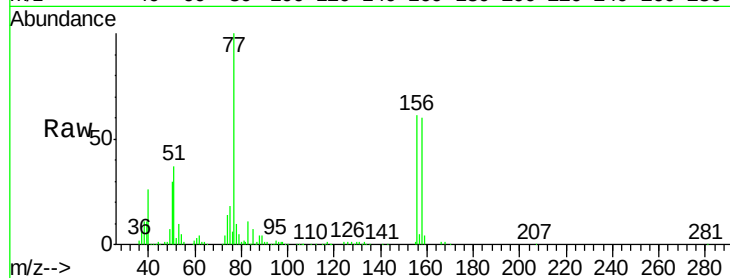
Tot Ion:156 Resp: 104467

Ion Ratio Lower Upper

156 100

77 192.7 81.5 244.4

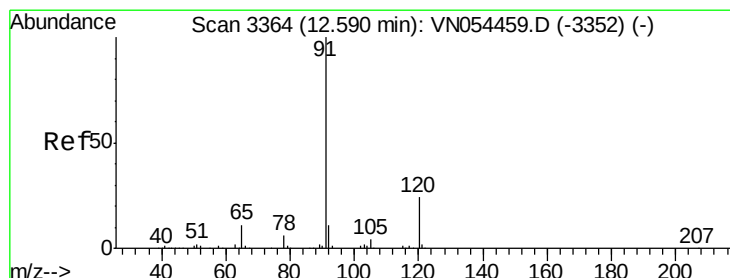
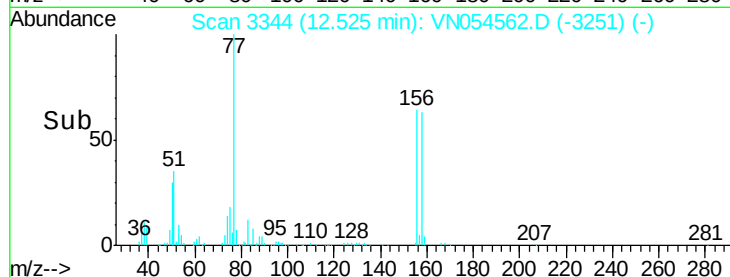
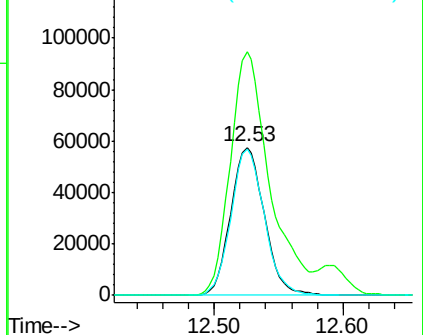
158 97.7 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.598 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054562.D

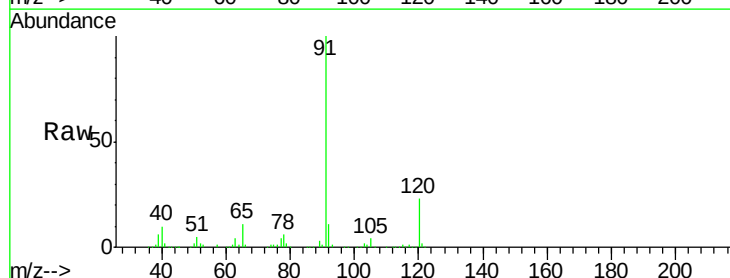
Acq: 22 Mar 2019 17:10

Tgt Ion: 91 Resp: 460019

Ion Ratio Lower Upper

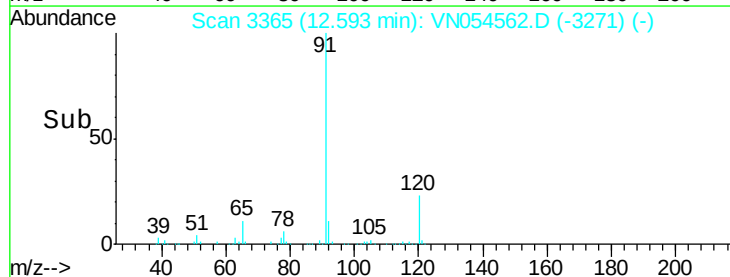
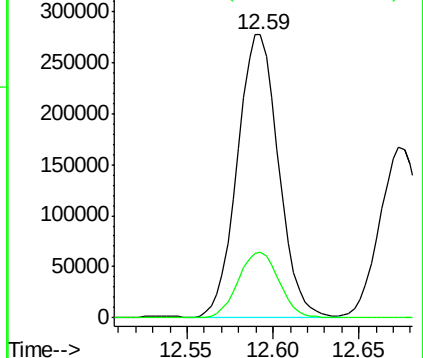
91 100

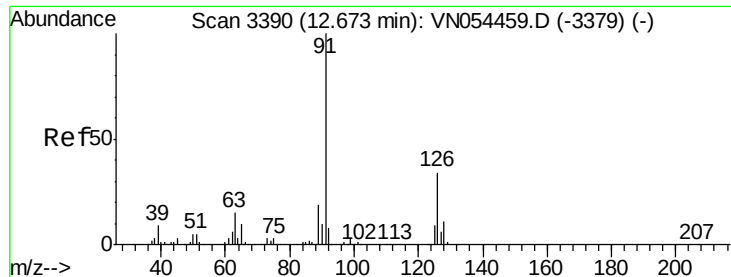
120 23.3 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.535 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

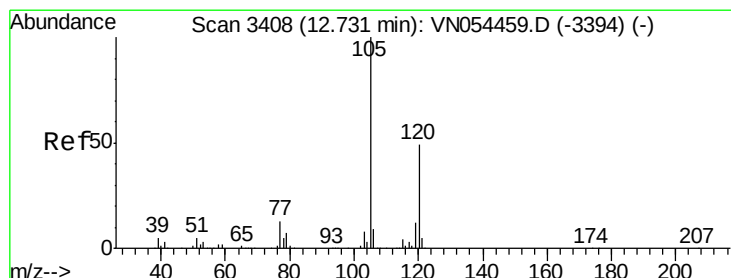
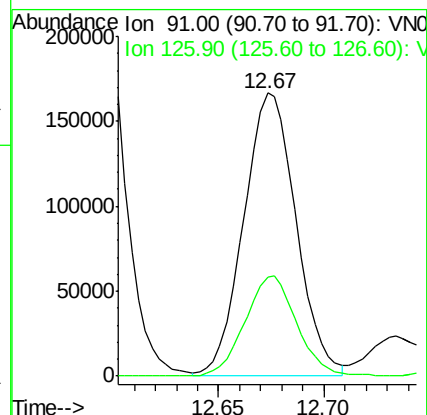
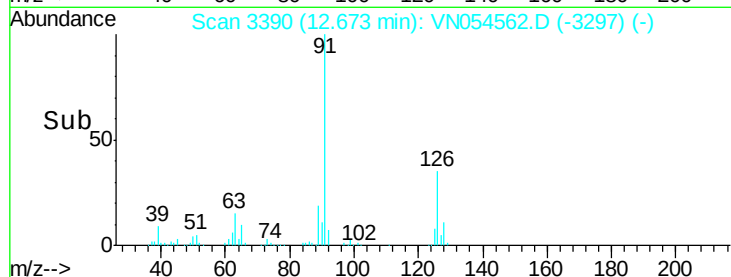
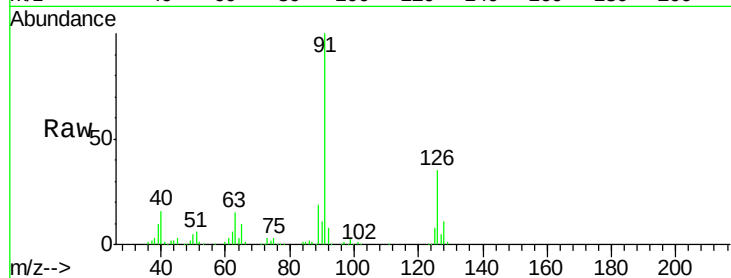
VN0322WBSD01

Tot Ion: 91 Resp: 285989

Ion Ratio Lower Upper

91 100

126 35.3 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 20.675 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054562.D

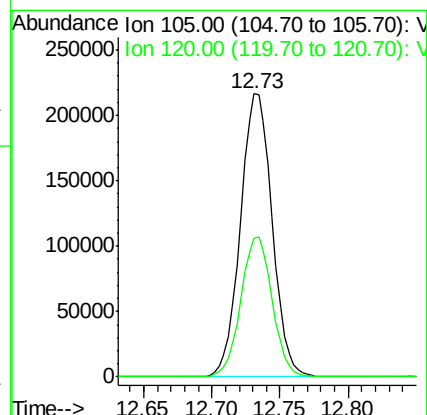
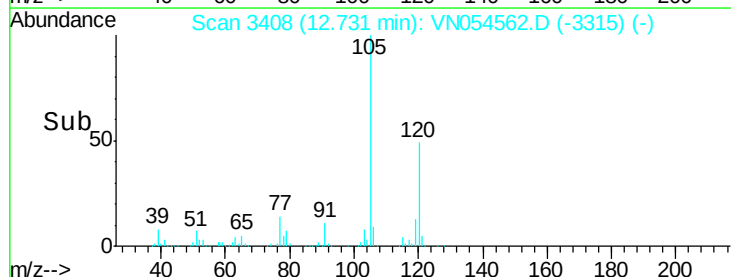
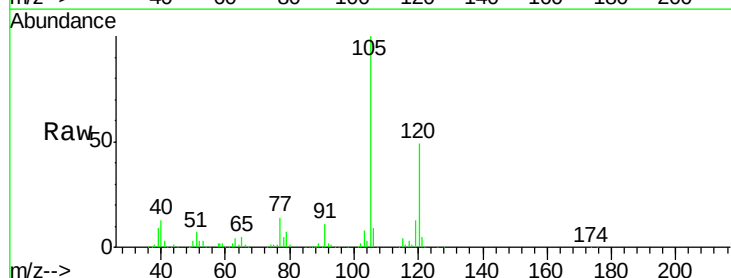
Acq: 22 Mar 2019 17:10

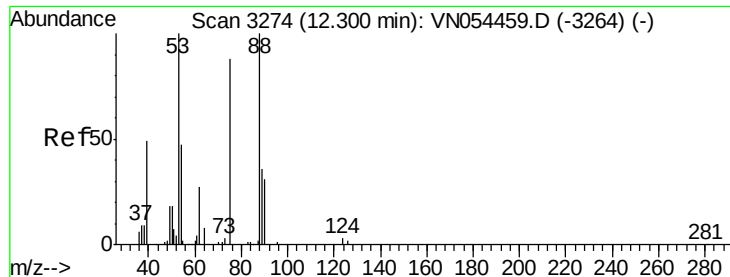
Tgt Ion: 105 Resp: 348999

Ion Ratio Lower Upper

105 100

120 48.9 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.450 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBSD01

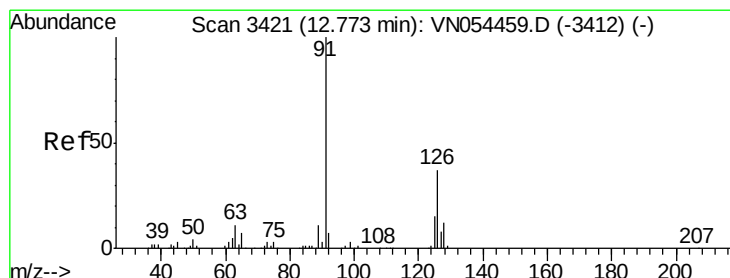
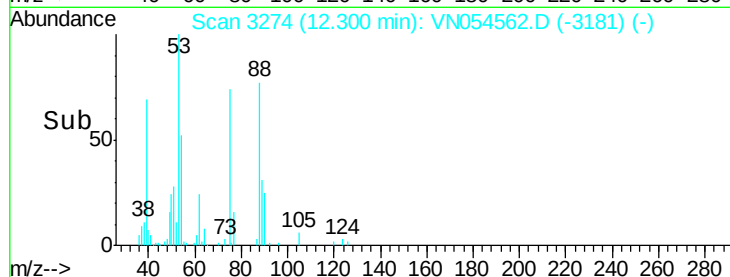
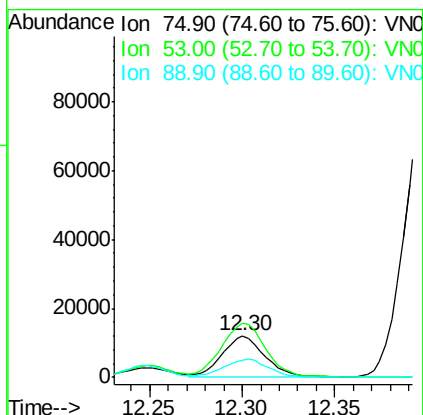
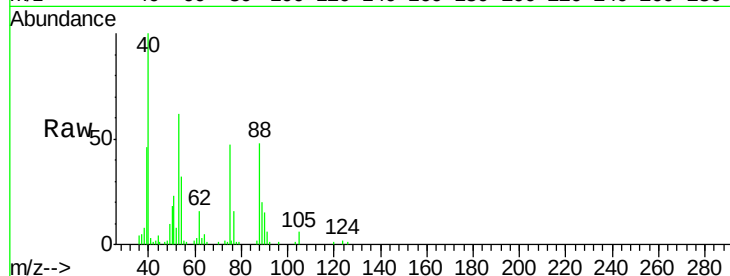
Tot Ion: 75 Resp: 19192

Ion Ratio Lower Upper

75 100

53 137.7 76.2 114.2#

89 46.3 39.2 58.8



#82

4-Chlorotoluene

Concen: 20.613 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054562.D

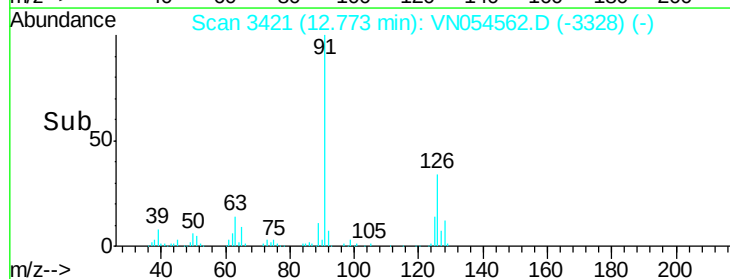
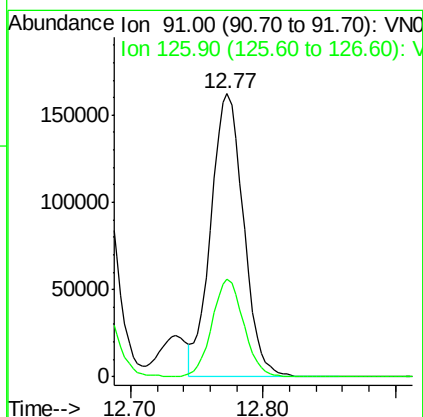
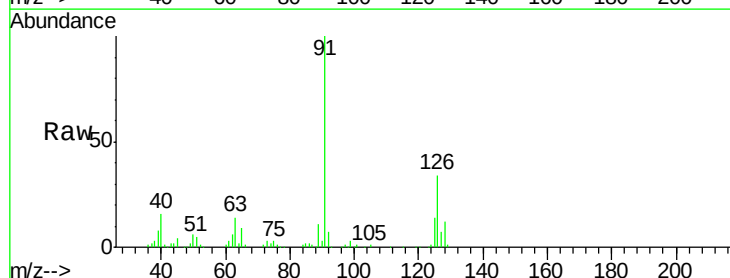
Acq: 22 Mar 2019 17:10

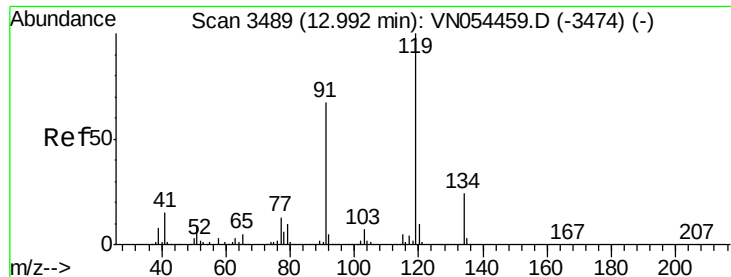
Tgt Ion: 91 Resp: 278273

Ion Ratio Lower Upper

91 100

126 33.5 18.1 54.1

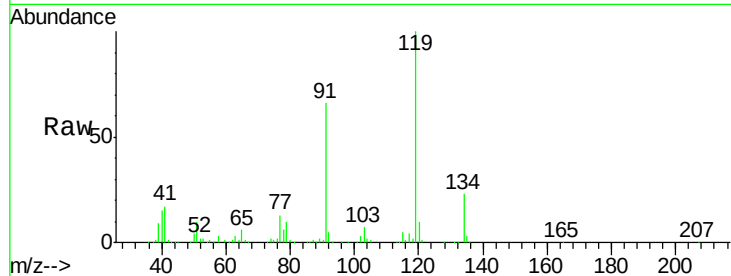




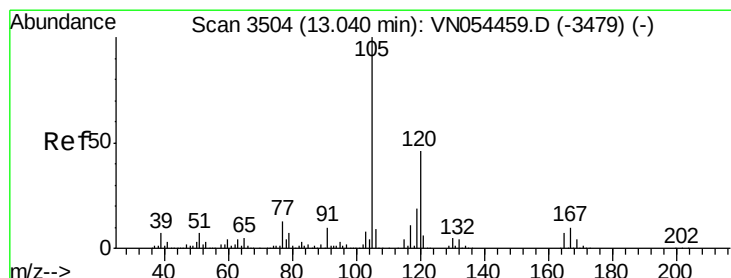
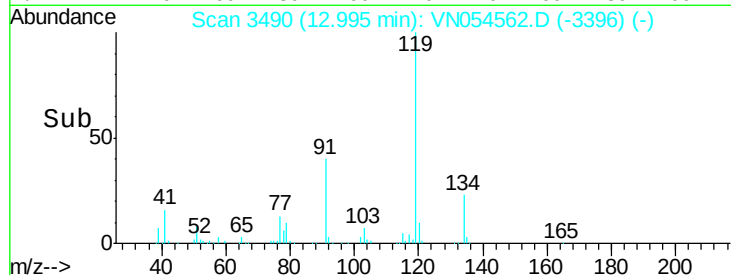
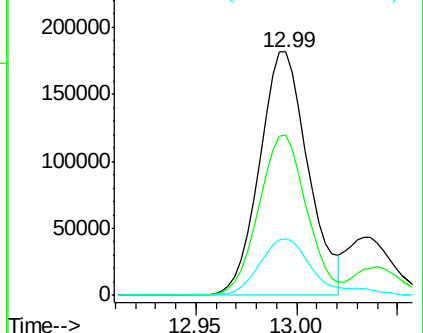
#83
 tert-Butylbenzene
 Concen: 20.704 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322WBSD01

Tot Ion:119 Resp: 304216
 Ion Ratio Lower Upper
 119 100
 91 64.9 30.9 92.8
 134 26.0 13.2 39.6

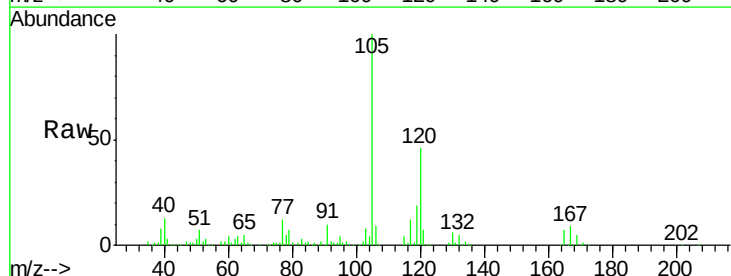


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

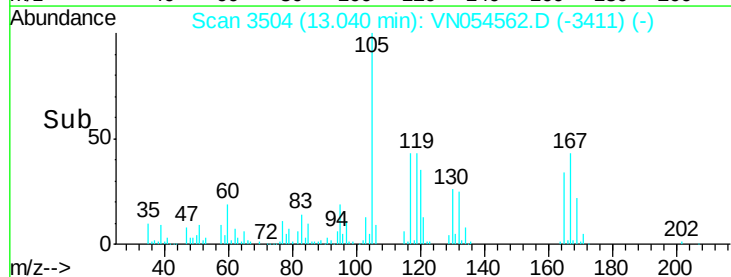
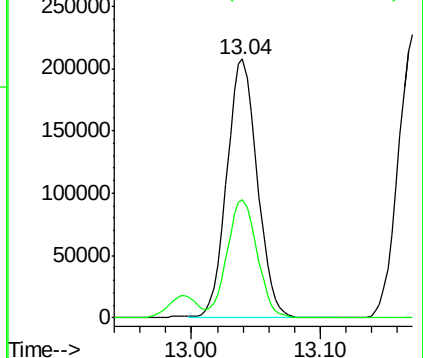


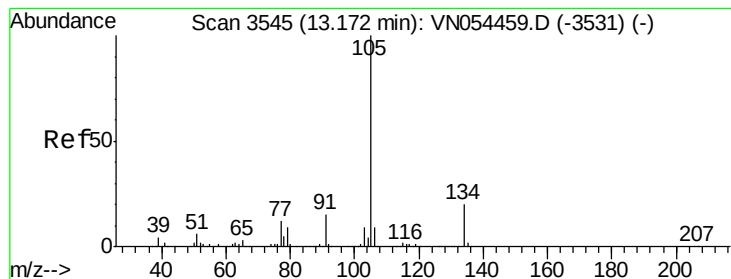
#84
 1,2,4-Trimethylbenzene
 Concen: 20.528 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Tgt Ion:105 Resp: 340011
 Ion Ratio Lower Upper
 105 100
 120 45.2 23.4 70.3



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





#85

sec-Butylbenzene

Concen: 20.049 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

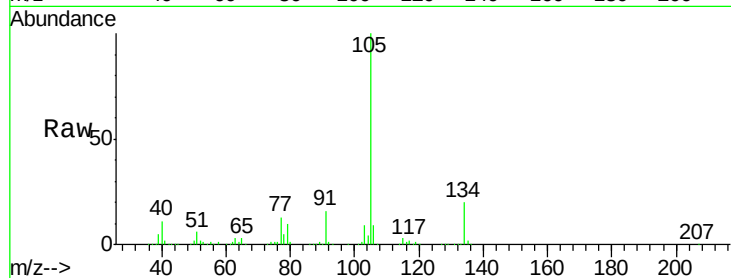
VN0322WBSD01

Tot Ion:105 Resp: 367225

Ion Ratio Lower Upper

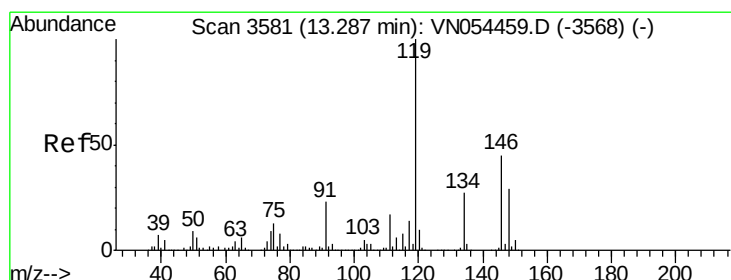
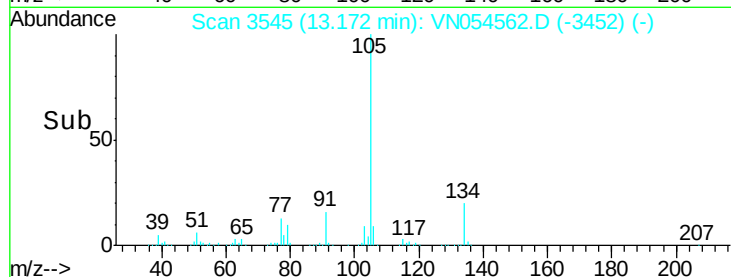
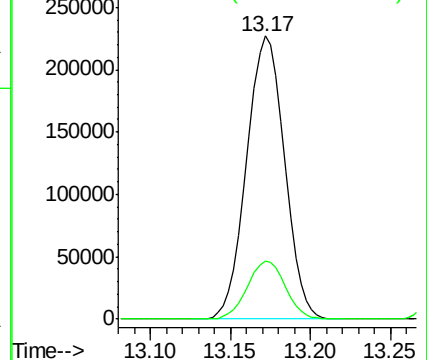
105 100

134 20.4 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.727 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

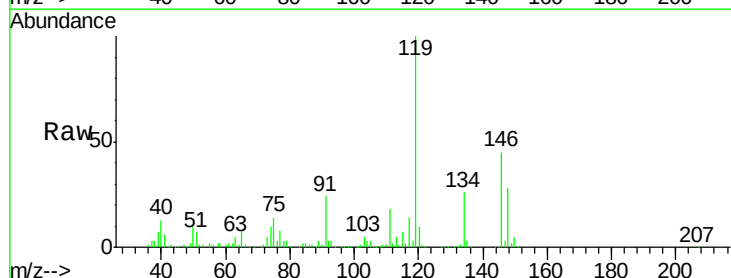
Tgt Ion:119 Resp: 323258

Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

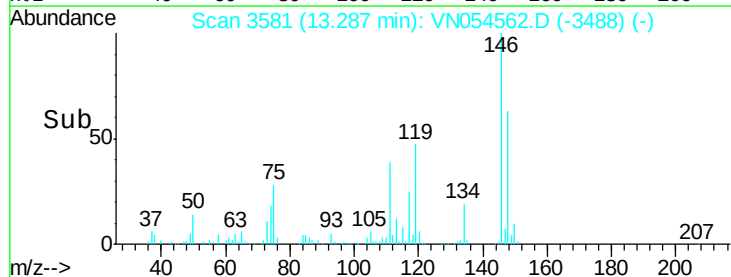
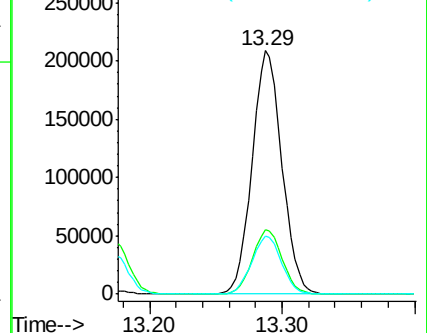
91 24.1 11.1 33.3

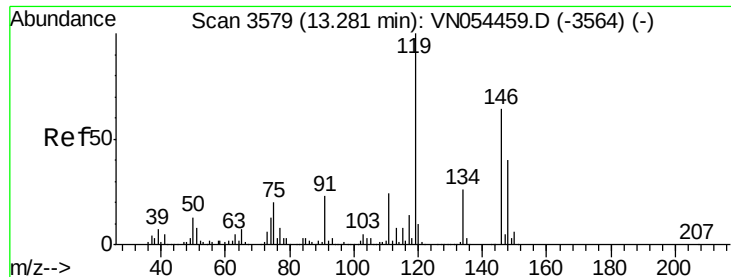


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

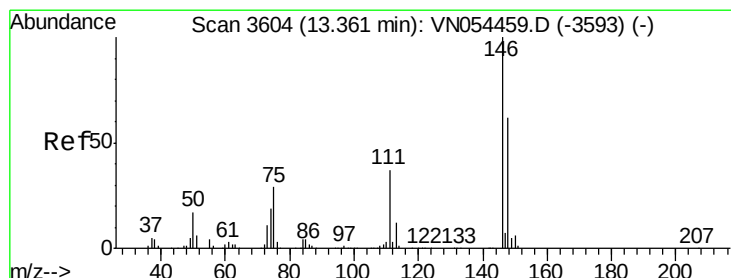
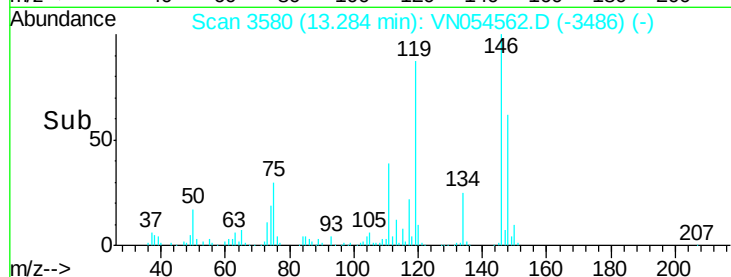
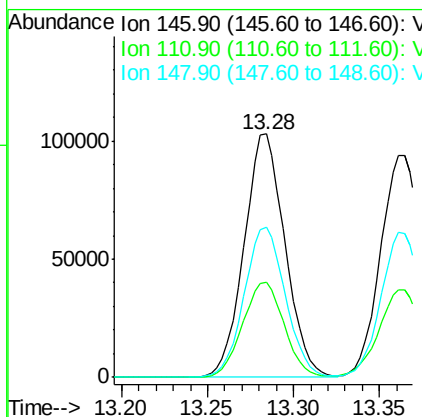
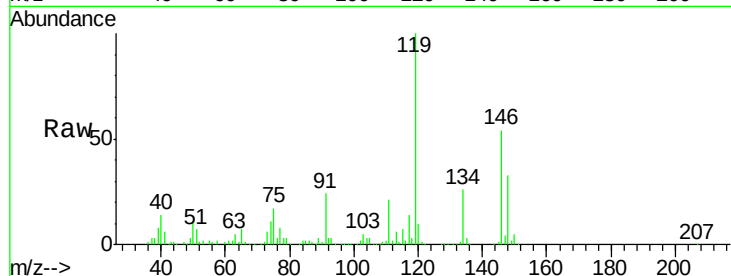




#87
 1,3-Dichlorobenzene
 Concen: 20.077 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

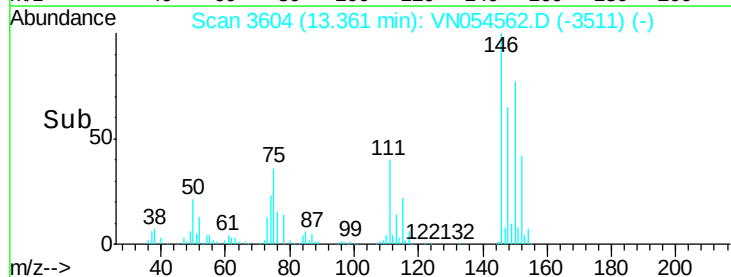
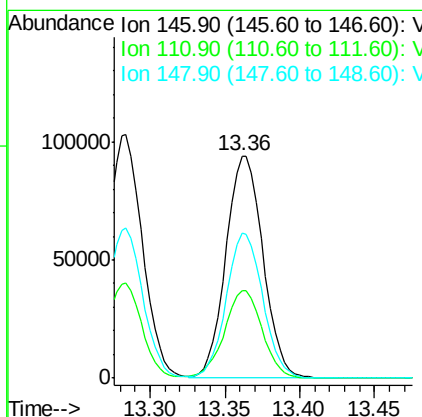
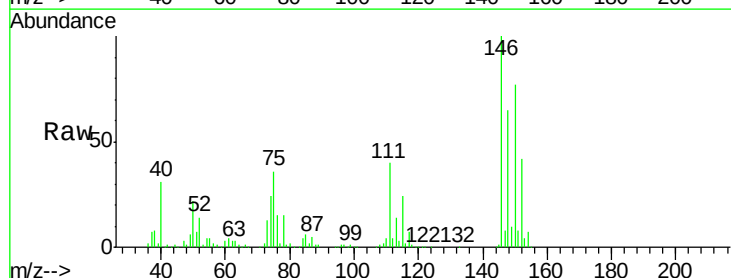
Instrument :
 MSVOA_N
 ClientSampled :
 VN0322WBSD01

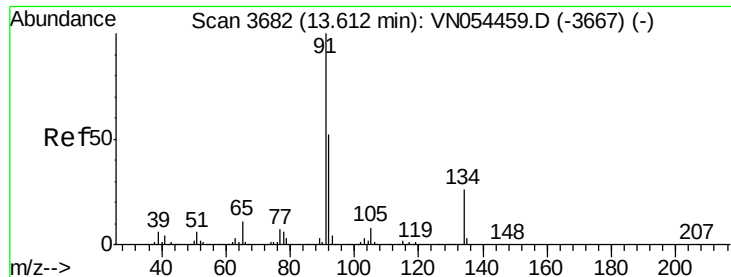
Tot Ion:146 Resp: 169953
 Ion Ratio Lower Upper
 146 100
 111 39.7 18.8 56.3
 148 62.1 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.739 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Tgt Ion:146 Resp: 162570
 Ion Ratio Lower Upper
 146 100
 111 40.3 18.1 54.1
 148 64.3 32.0 96.0





#89

n-Butylbenzene

Concen: 18.672 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBSD01

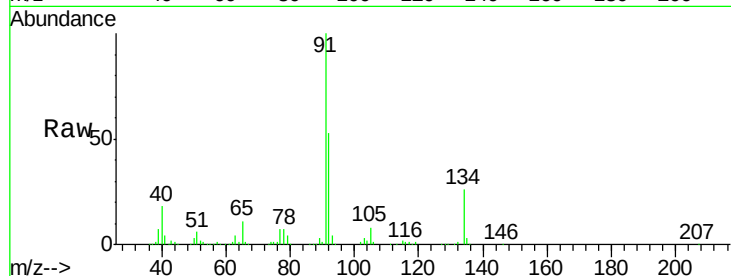
Tot Ion: 91 Resp: 239254

Ion Ratio Lower Upper

91 100

92 52.8 26.2 78.6

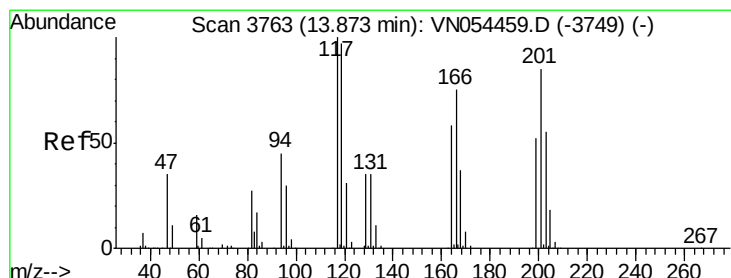
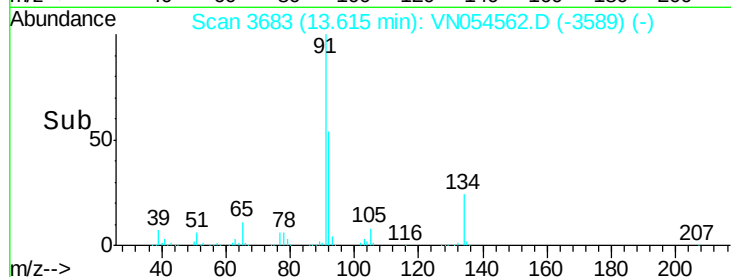
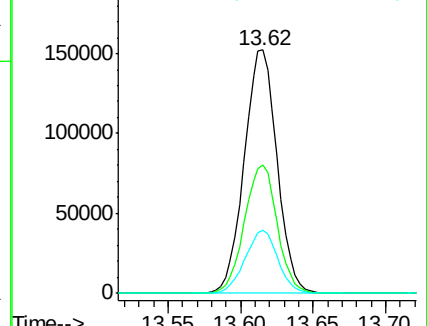
134 25.9 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN054459.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN054459.D (-3667) (-)



#90

Hexachloroethane

Concen: 19.701 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054562.D

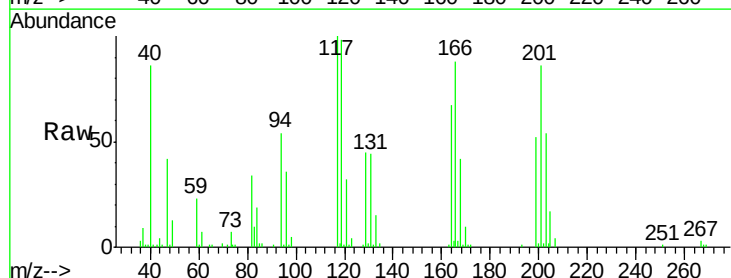
Acq: 22 Mar 2019 17:10

Tgt Ion: 117 Resp: 50113

Ion Ratio Lower Upper

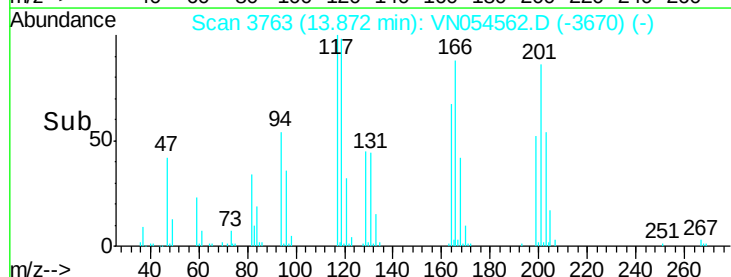
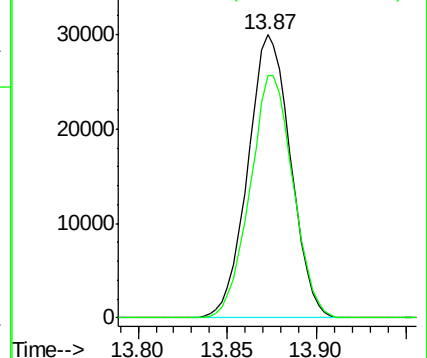
117 100

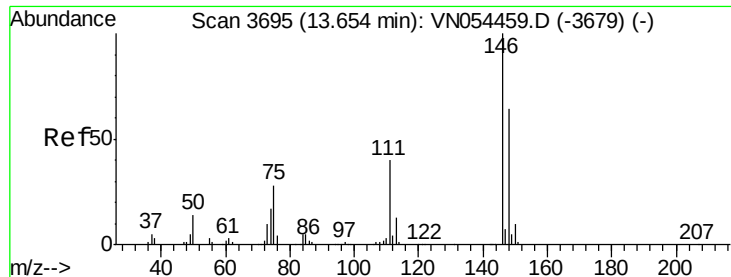
201 86.2 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054459.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN054459.D (-3749) (-)

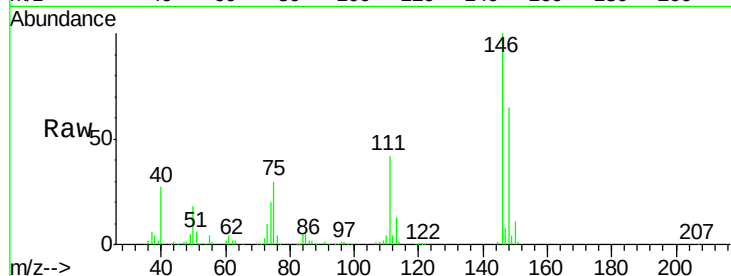




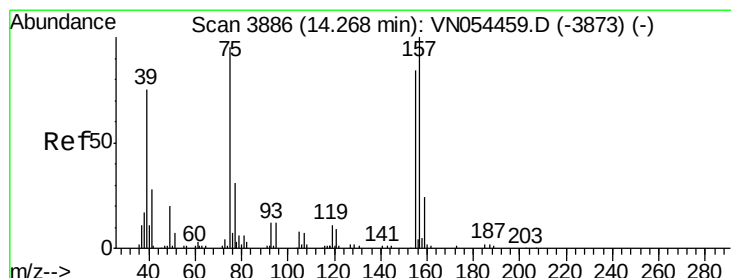
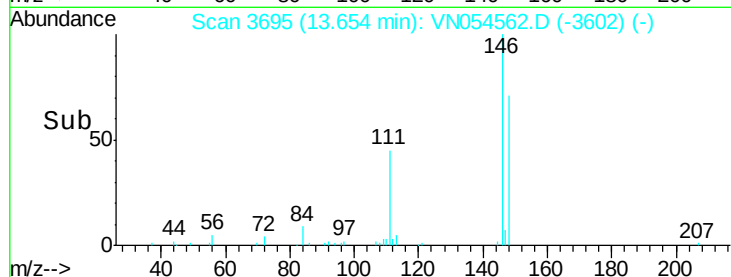
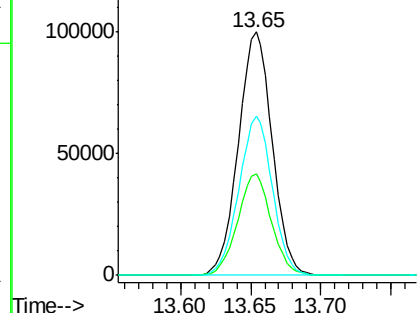
#91
 1,2-Dichlorobenzene
 Concen: 20.551 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.1	57.3
148	64.7	32.4	97.0

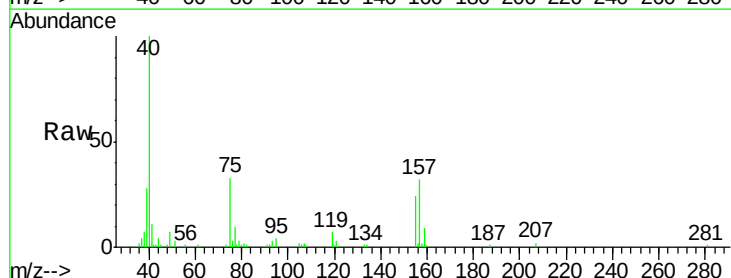


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

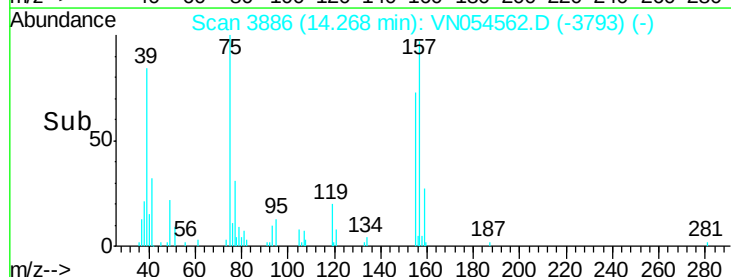
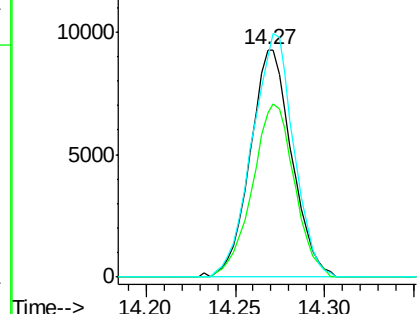


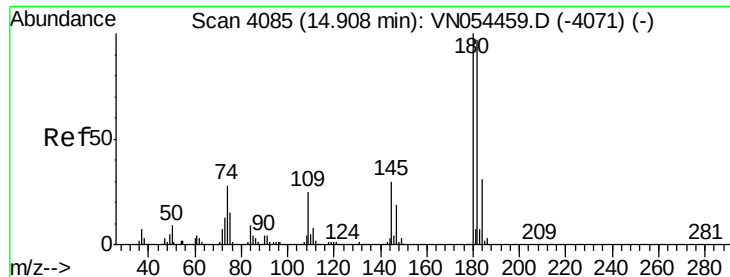
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.939 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.8	50.1	150.3
157	106.9	63.1	189.3



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 17.745 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBSD01

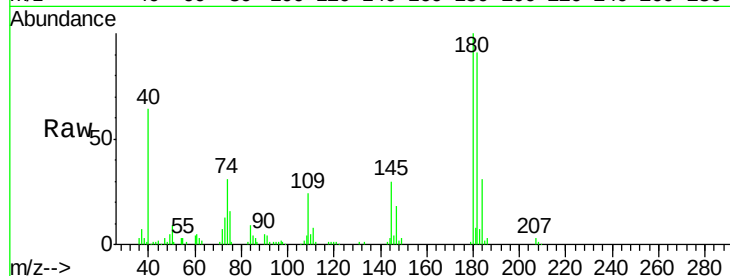
Tot Ion:180 Resp: 72527

Ion Ratio Lower Upper

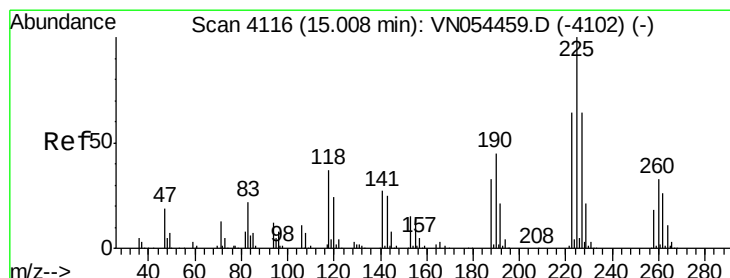
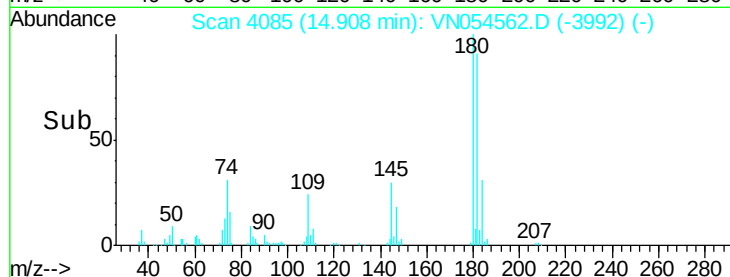
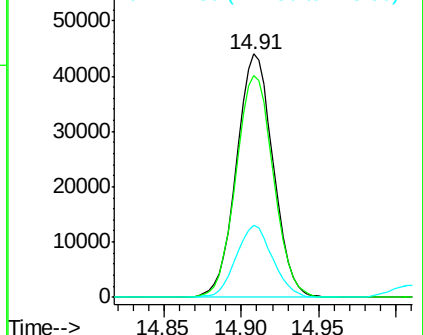
180 100

182 93.0 48.0 144.2

145 29.4 14.2 42.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 18.446 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

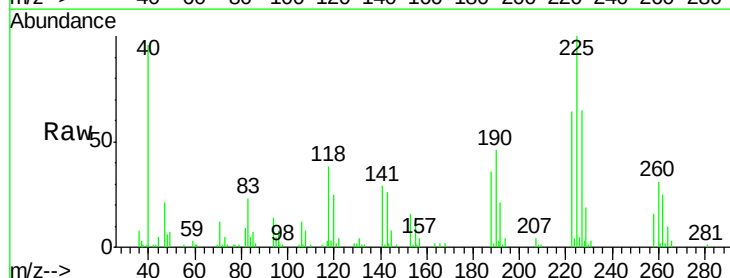
Tgt Ion:225 Resp: 45952

Ion Ratio Lower Upper

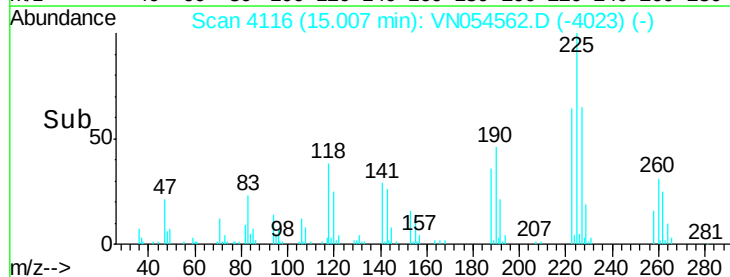
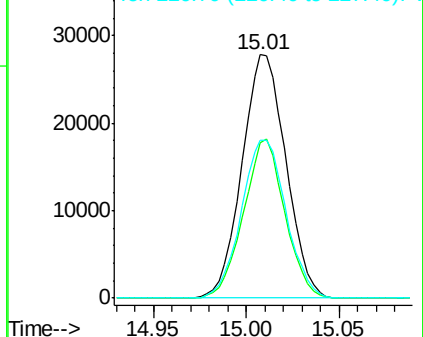
225 100

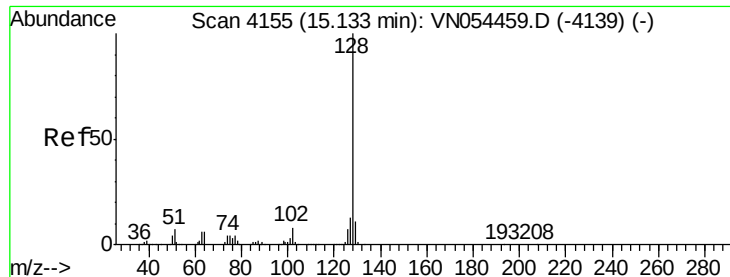
223 61.3 31.1 93.5

227 65.9 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.850 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBSD01

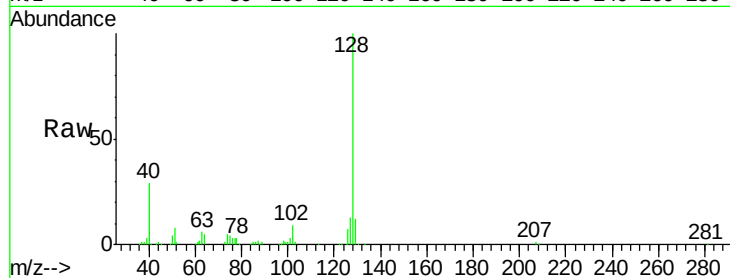
Tot Ion:128 Resp: 171848

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

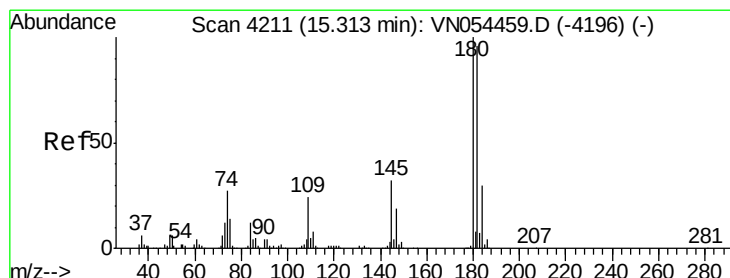
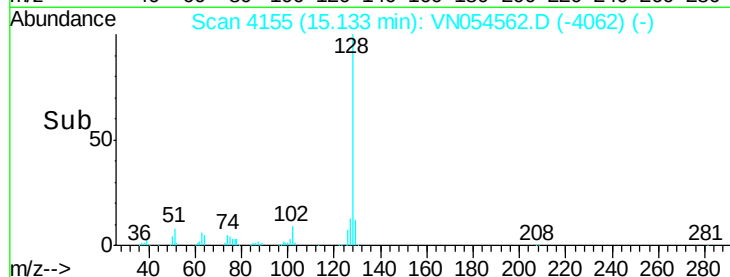
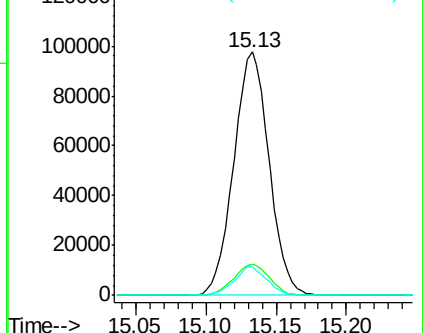
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.464 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

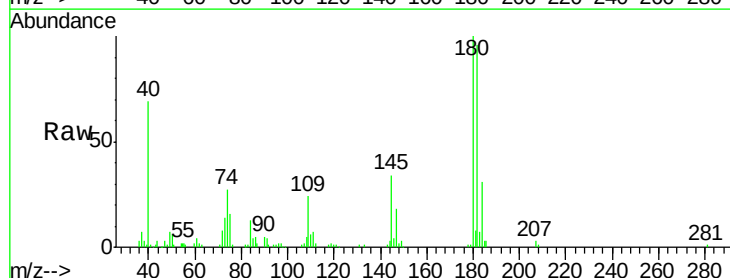
Tgt Ion:180 Resp: 75110

Ion Ratio Lower Upper

180 100

182 94.9 47.5 142.6

145 31.5 14.8 44.3



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

