

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032919\
 Data File : VN054762.D
 Acq On : 29 Mar 2019 11:19
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 30 00:08:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:26:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	458598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	748291	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	656965	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	292147	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	310447	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
35) Dibromofluoromethane	7.59	113	247594	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
50) Toluene-d8	10.09	98	946510	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.40	95	312140	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	217985	46.99	ug/l	99
3) Chloromethane	2.06	50	306404	47.77	ug/l	99
4) Vinyl Chloride	2.19	62	273552	47.49	ug/l	99
5) Bromomethane	2.57	94	156424	51.88	ug/l	96
6) Chloroethane	2.71	64	149212	46.39	ug/l	100
7) Trichlorofluoromethane	3.02	101	340315	48.06	ug/l	100
8) Diethyl Ether	3.41	74	111402	48.86	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.75	101	175385	50.10	ug/l	93
10) Methyl Iodide	3.95	142	266687	52.26	ug/l #	87
11) Tert butyl alcohol	4.82	59	78204	240.39	ug/l #	70
12) 1,1-Dichloroethene	3.73	96	174840	48.50	ug/l #	76
13) Acrolein	3.61	56	67284	233.67	ug/l	100
14) Allyl chloride	4.32	41	429841	48.86	ug/l #	90
15) Acrylonitrile	5.00	53	441447	246.58	ug/l	100
16) Acetone	3.82	43	356263	241.67	ug/l #	81
17) Carbon Disulfide	4.04	76	561070	47.99	ug/l	100
18) Methyl Acetate	4.33	43	194500	50.67	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	621770	49.31	ug/l	93
20) Methylene Chloride	4.55	84	243742	46.87	ug/l #	81
21) trans-1,2-Dichloroethene	5.04	96	228667	48.29	ug/l	86
22) Diisopropyl ether	5.96	45	876294	49.90	ug/l #	94
23) Vinyl Acetate	5.90	43	3170200	265.65	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	462185	49.34	ug/l	97
25) 2-Butanone	6.85	43	565725	259.61	ug/l	89
26) 2,2-Dichloropropane	6.82	77	326176	49.68	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	261973	48.98	ug/l	87
28) Bromochloromethane	7.19	49	232624	49.66	ug/l #	71
29) Tetrahydrofuran	7.22	42	364868	240.75	ug/l #	84
30) Chloroform	7.37	83	440933	49.36	ug/l	100
31) Cyclohexane	7.65	56	439072	51.50	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	370555	50.06	ug/l	95
36) 1,1-Dichloropropene	7.79	75	338882	49.61	ug/l	95
37) Ethyl Acetate	6.94	43	245970	49.02	ug/l	95
38) Carbon Tetrachloride	7.77	117	320117	47.27	ug/l	98

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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	378493	49.38	ug/l	89
40) Benzene	8.04	78	990871	49.66	ug/l	99
41) Methacrylonitrile	7.18	41	143541	49.97	ug/l #	89
42) 1,2-Dichloroethane	8.13	62	346256	48.61	ug/l	97
43) Isopropyl Acetate	8.17	43	430152	51.77	ug/l #	94
44) Trichloroethene	8.83	130	251545	48.57	ug/l	91
45) 1,2-Dichloropropane	9.12	63	279371	49.11	ug/l	100
46) Dibromomethane	9.21	93	158976	49.68	ug/l	89
47) Bromodichloromethane	9.40	83	336964	50.66	ug/l	99
48) Methyl methacrylate	9.20	41	222170	49.33	ug/l	87
49) 1,4-Dioxane	9.20	88	45611	1020.69	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	1204767	257.92	ug/l	92
52) Toluene	10.16	92	595685	50.18	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	329721	52.70	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	392334	52.50	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	212027	48.03	ug/l	95
56) Ethyl methacrylate	10.43	69	298050	51.47	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	383493	50.53	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	600593	241.16	ug/l #	89
59) 2-Hexanone	10.75	43	750547	251.00	ug/l	90
60) Dibromochloromethane	10.90	129	233405	52.20	ug/l	100
61) 1,2-Dibromoethane	11.00	107	213539	50.62	ug/l	99
64) Tetrachloroethene	10.63	164	243079	48.22	ug/l	96
65) Chlorobenzene	11.43	112	625643	48.64	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	241305	50.12	ug/l	99
67) Ethyl Benzene	11.51	91	1135619	48.93	ug/l	97
68) m/p-Xylenes	11.62	106	841290	97.94	ug/l	93
69) o-Xylene	11.95	106	407750	48.41	ug/l	94
70) Styrene	11.96	104	691562	51.35	ug/l	97
71) Bromoform	12.13	173	146554	51.96	ug/l #	99
73) Isopropylbenzene	12.25	105	1089278	45.62	ug/l	98
74) N-amyl acetate	12.07	43	358664	48.21	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	263770	50.11	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	322055	76.74	ug/l #	100
77) Bromobenzene	12.53	156	268550	46.60	ug/l	85
78) n-propylbenzene	12.59	91	1240551	47.27	ug/l	96
79) 2-Chlorotoluene	12.67	91	740865	45.63	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	909649	46.43	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	62068	47.57	ug/l #	85
82) 4-Chlorotoluene	12.77	91	750752	47.60	ug/l	95
83) tert-Butylbenzene	12.99	119	778864	51.36	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	904367	48.45	ug/l	97
85) sec-Butylbenzene	13.17	105	983163	46.19	ug/l	98
86) p-Isopropyltoluene	13.29	119	888798	47.34	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	461578	47.84	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	452003	47.76	ug/l	98
89) n-Butylbenzene	13.61	91	750607	49.01	ug/l	98
90) Hexachloroethane	13.87	117	152214	47.76	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	457739	47.01	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40769	49.94	ug/l	85

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	236402	50.36	ug/l	100
94) Hexachlorobutadiene	15.01	225	143241	51.59	ug/l	99
95) Naphthalene	15.13	128	510559	48.49	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	233342	49.22	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

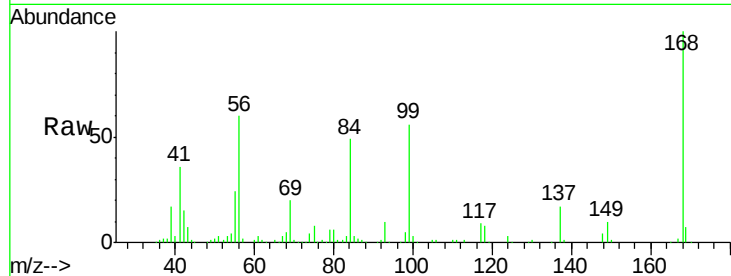
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 458598

Ion Ratio Lower Upper

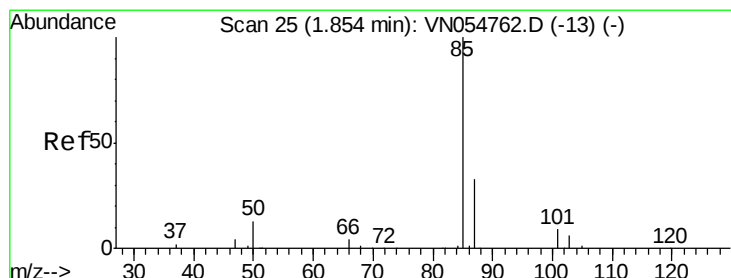
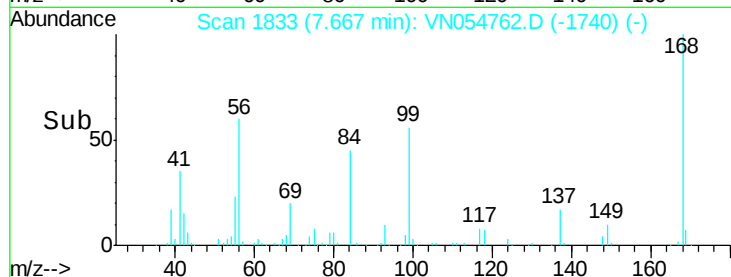
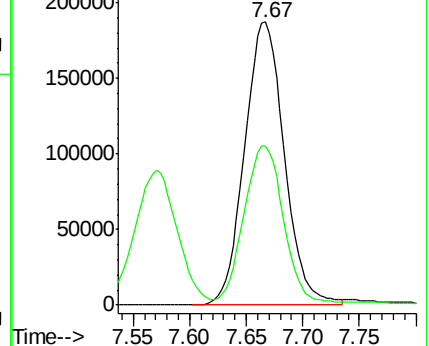
168 100

99 55.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.99 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054762.D

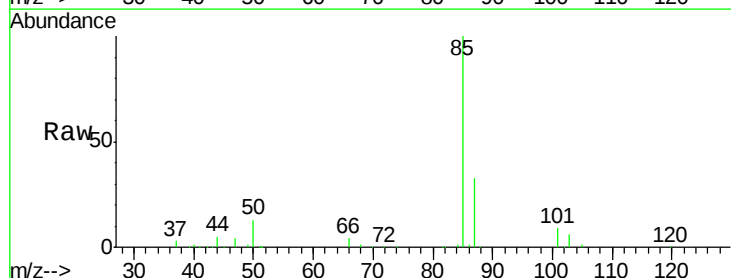
Acq: 29 Mar 2019 11:19

Tgt Ion: 85 Resp: 217985

Ion Ratio Lower Upper

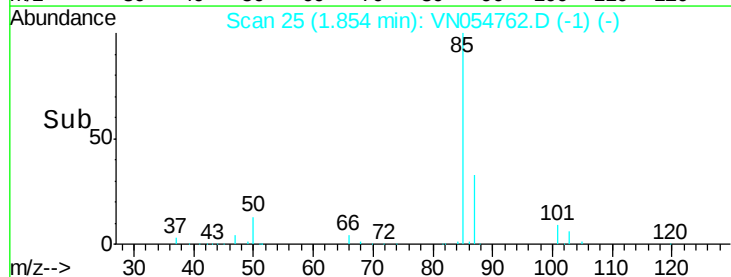
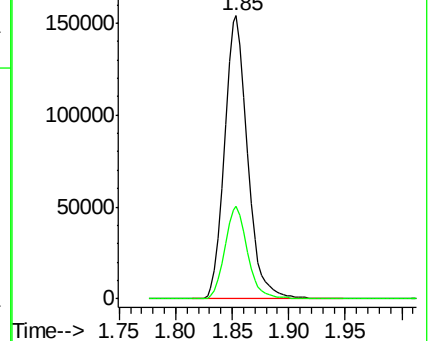
85 100

87 32.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 47.77 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

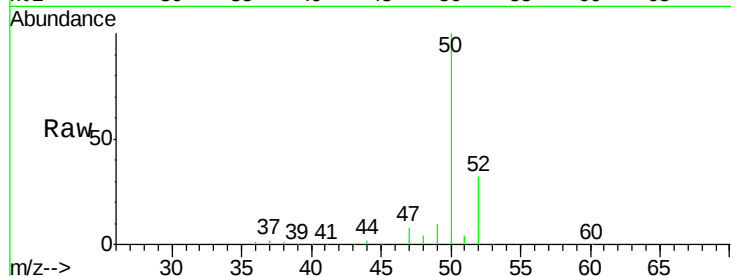
ClientSampleId :

Tot Ion: 50 Resp: 306404

Ion Ratio Lower Upper

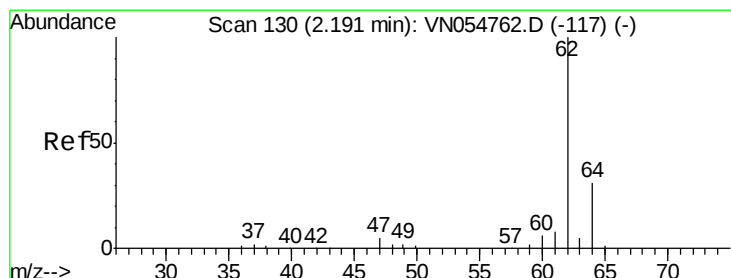
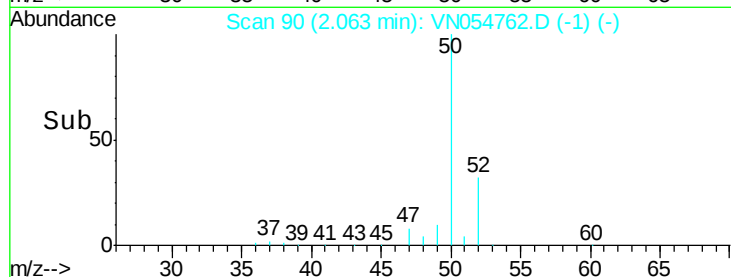
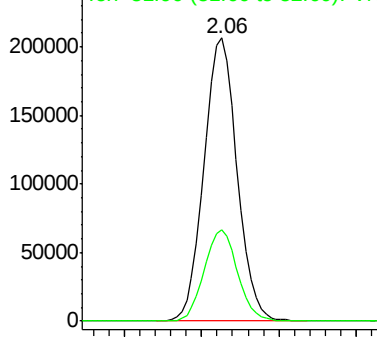
50 100

52 32.2 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 47.49 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054762.D

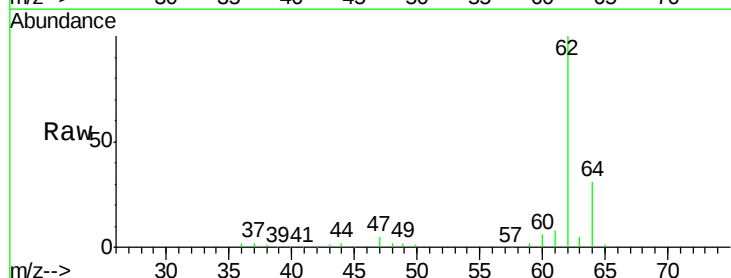
Acq: 29 Mar 2019 11:19

Tgt Ion: 62 Resp: 273552

Ion Ratio Lower Upper

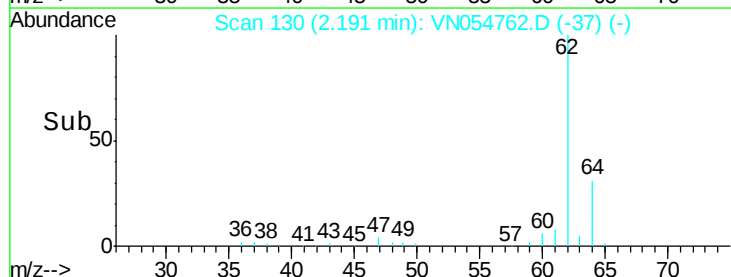
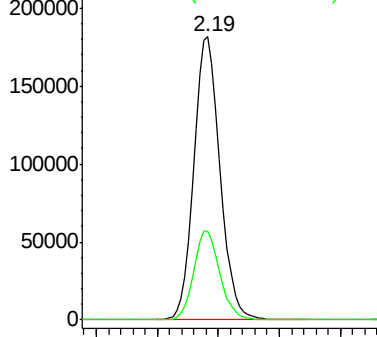
62 100

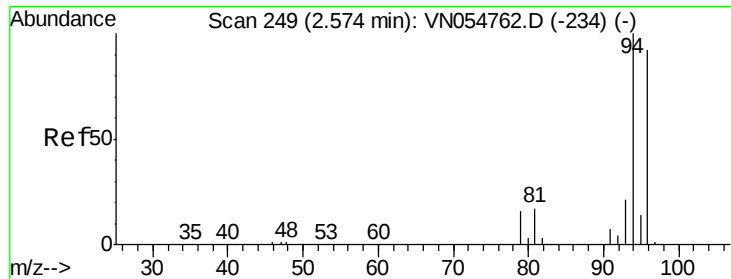
64 31.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

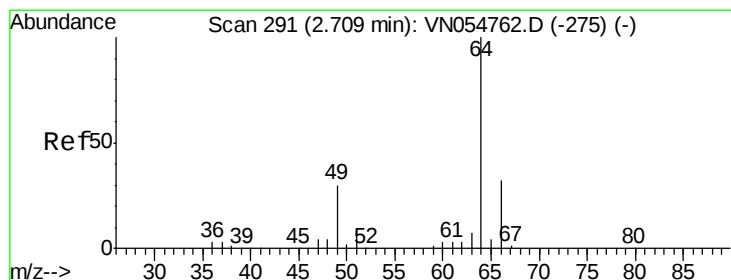
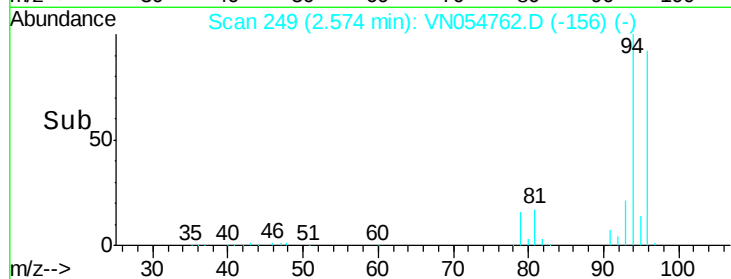
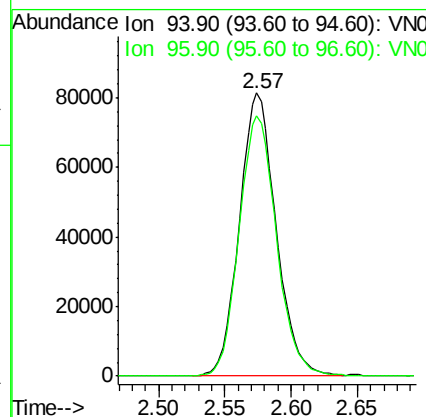
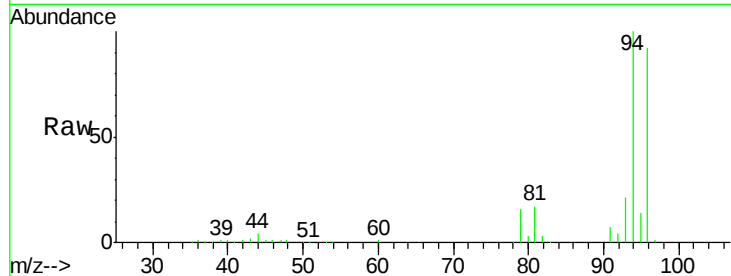




#5
Bromomethane
Concen: 51.88 ug/l
RT: 2.57 min Scan# 249
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

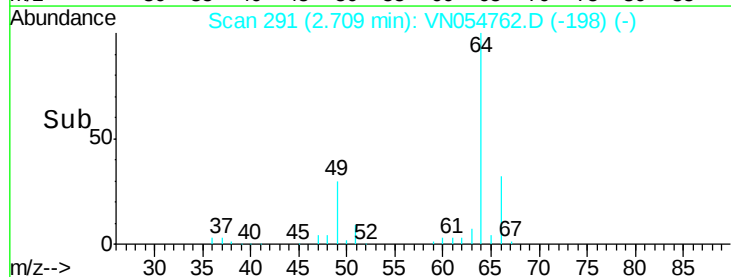
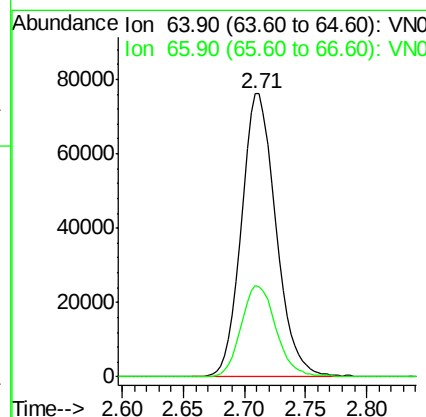
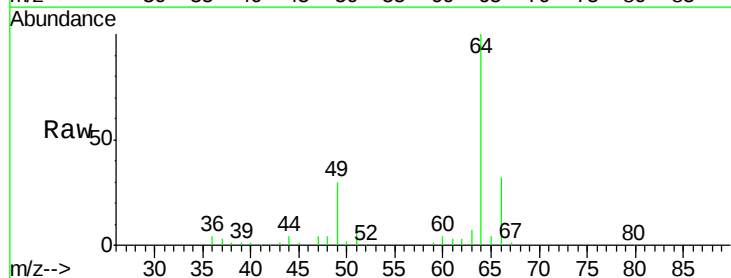
Instrument :
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ClientSampleId :

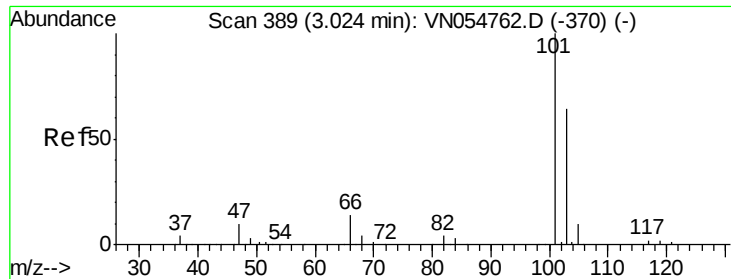
Tot Ion: 94 Resp: 156424
Ion Ratio Lower Upper
94 100
96 92.0 77.0 115.4



#6
Chloroethane
Concen: 46.39 ug/l
RT: 2.71 min Scan# 291
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion: 64 Resp: 149212
Ion Ratio Lower Upper
64 100
66 32.2 25.7 38.5





#7

Trichlorofluoromethane

Concen: 48.06 ug/l

RT: 3.02 min Scan# 389

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

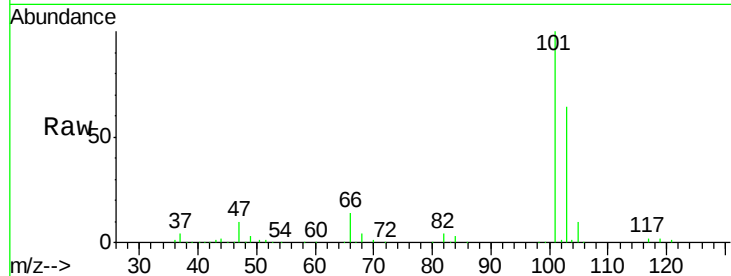
ClientSampleId :

Tot Ion:101 Resp: 340315

Ion Ratio Lower Upper

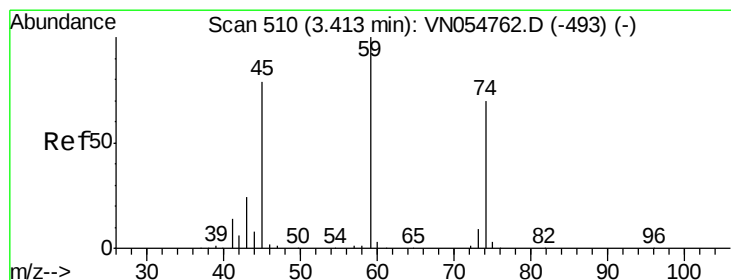
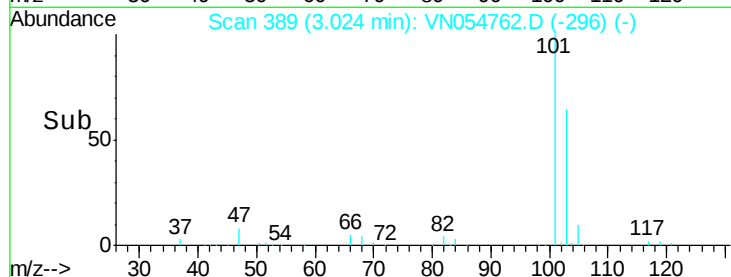
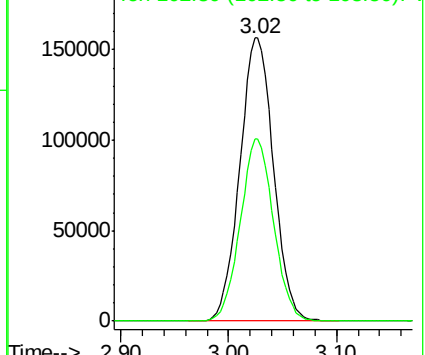
101 100

103 64.3 51.4 77.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 48.86 ug/l

RT: 3.41 min Scan# 510

Delta R.T. 0.00 min

Lab File: VN054762.D

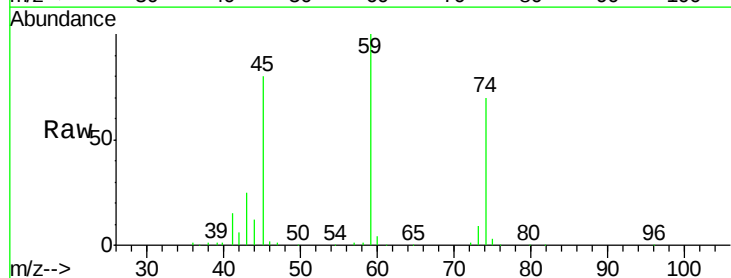
Acq: 29 Mar 2019 11:19

Tgt Ion: 74 Resp: 111402

Ion Ratio Lower Upper

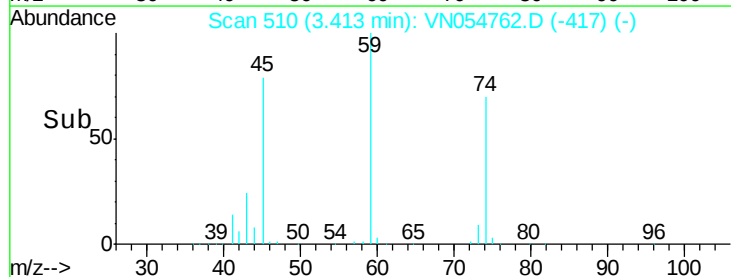
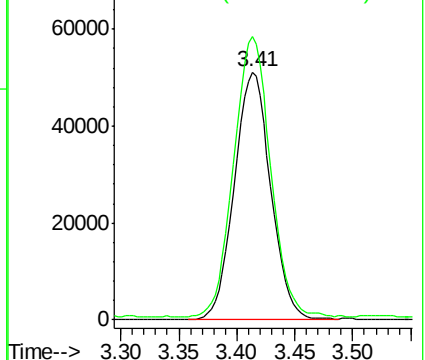
74 100

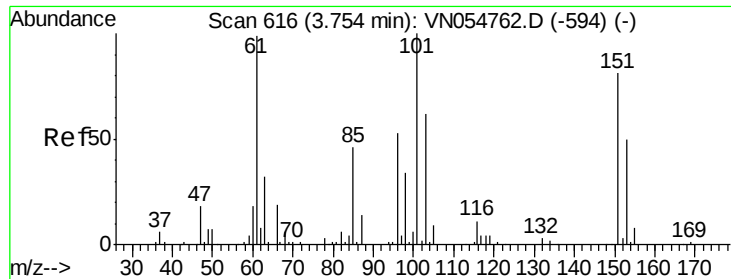
45 115.0 43.1 129.4



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.10 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

ClientSampleId :

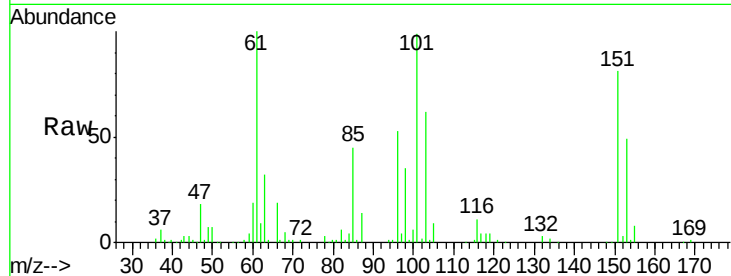
Tot Ion:101 Resp: 175385

Ion Ratio Lower Upper

101 100

85 47.5 32.4 48.6

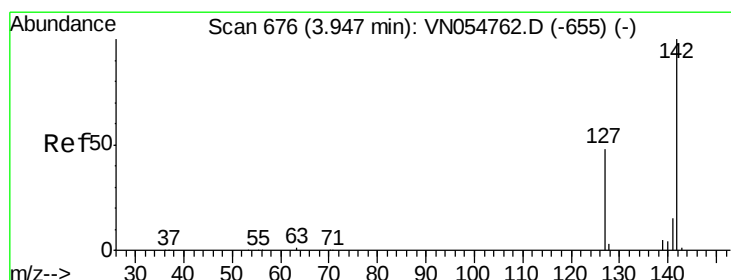
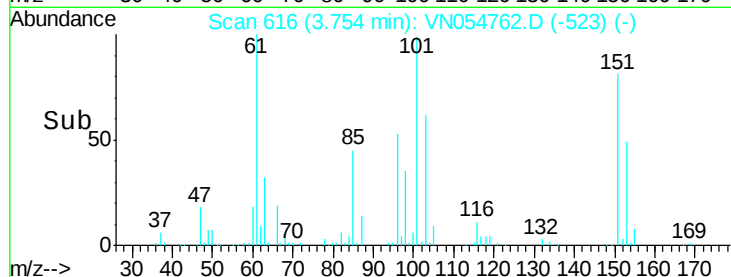
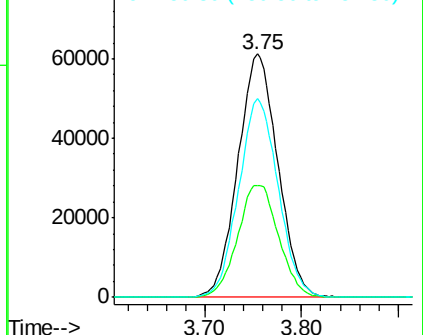
151 80.9 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.26 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

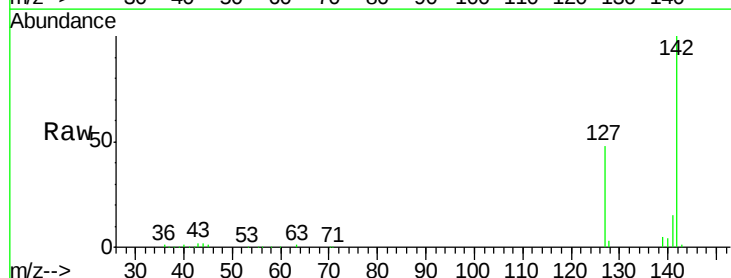
Tgt Ion:142 Resp: 266687

Ion Ratio Lower Upper

142 100

127 47.9 30.3 45.5#

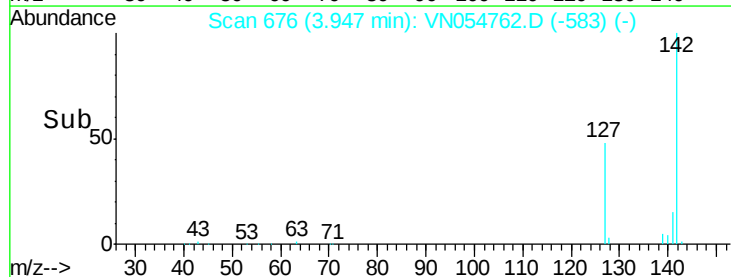
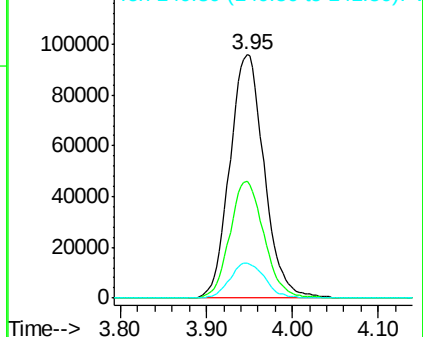
141 14.7 11.2 16.8

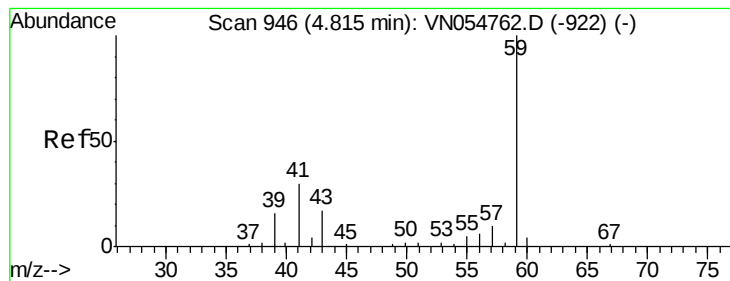


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



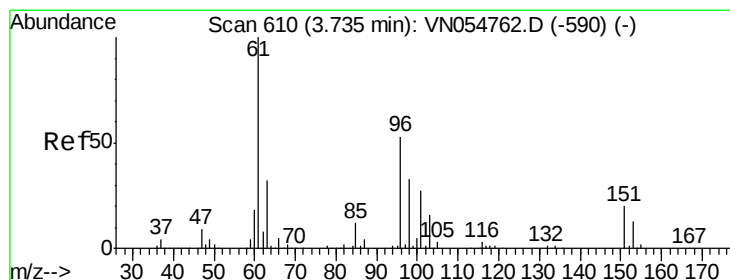
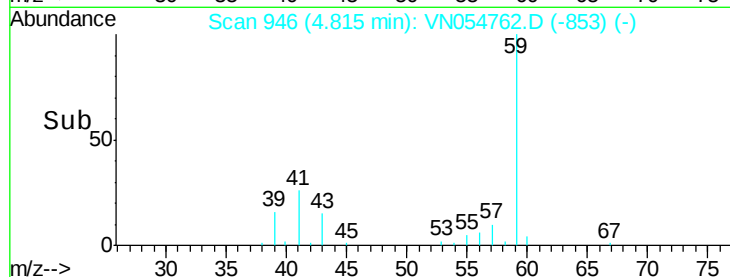
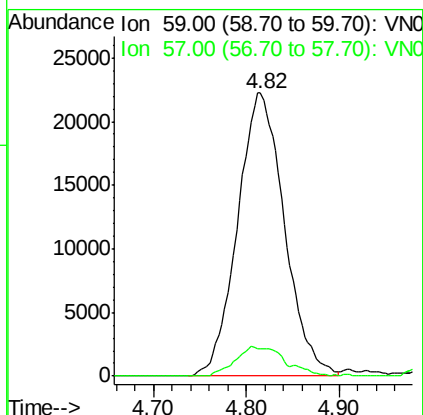
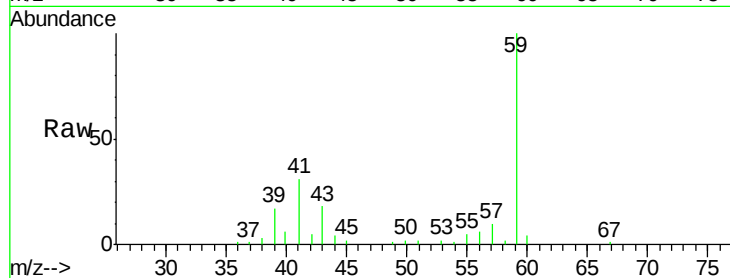


#11

Tert butyl alcohol
Concen: 240.39 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Instrument :
MSVOA_N
ClientSampled :

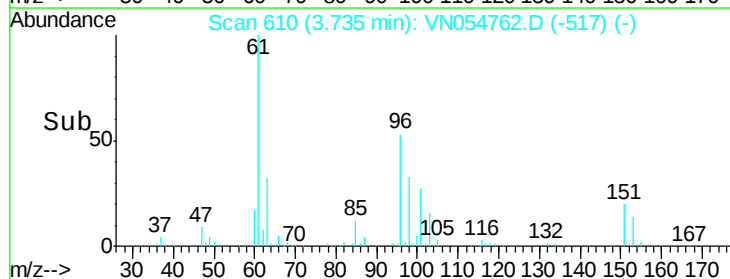
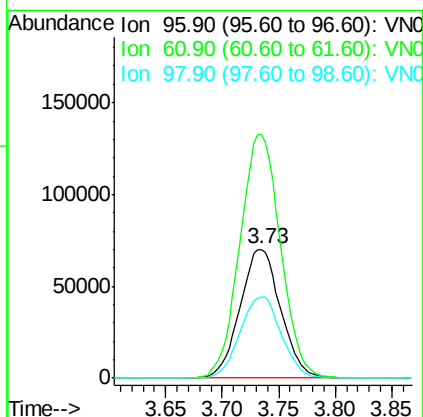
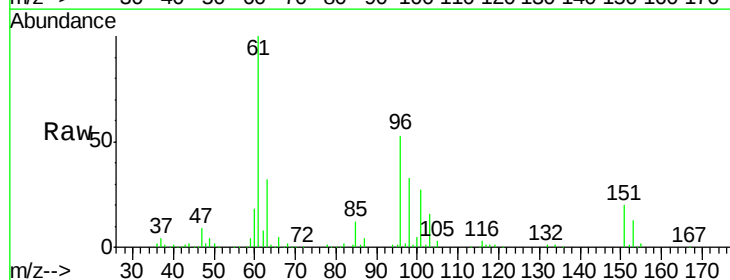
Tot Ion: 59 Resp: 78204
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#

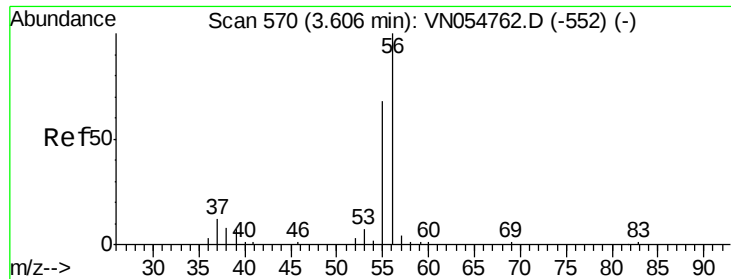


#12

1,1-Dichloroethene
Concen: 48.50 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion: 96 Resp: 174840
Ion Ratio Lower Upper
96 100
61 188.8 116.5 174.7#
98 62.8 51.0 76.4





#13

Acrolein

Concen: 233.67 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

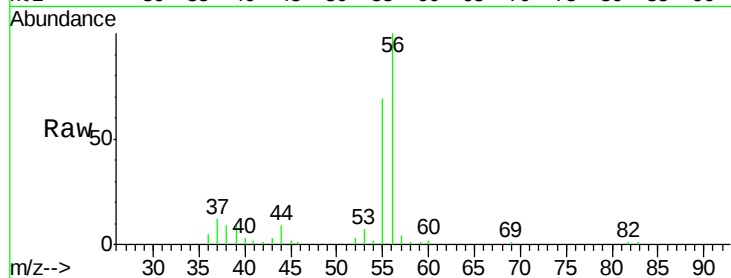
ClientSampleId :

Tot Ion: 56 Resp: 67284

Ion Ratio Lower Upper

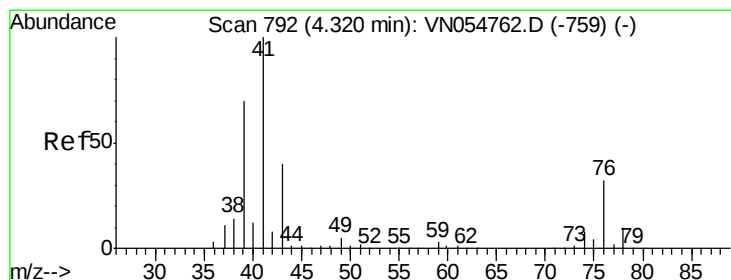
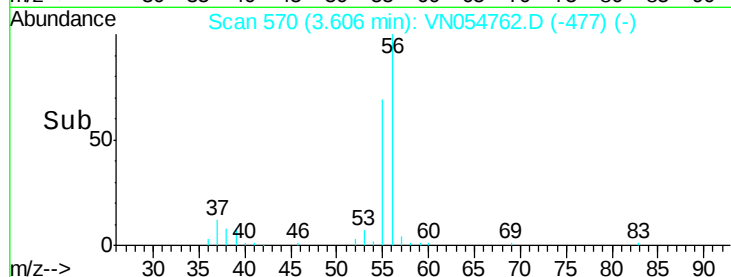
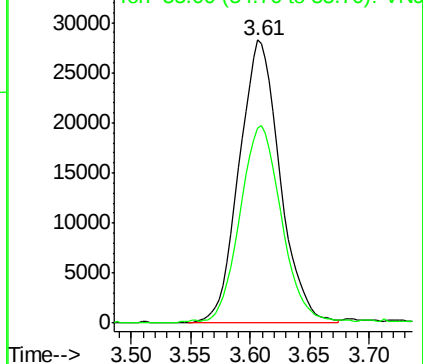
56 100

55 71.3 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.86 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

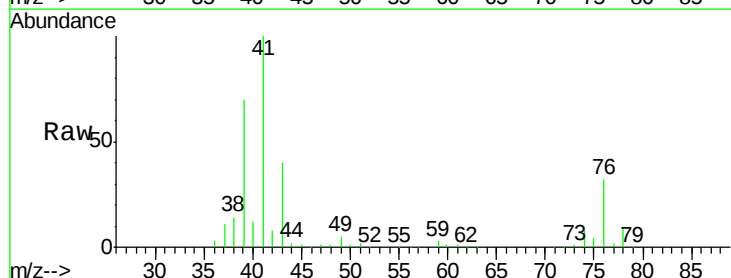
Tgt Ion: 41 Resp: 429841

Ion Ratio Lower Upper

41 100

39 67.6 58.2 87.4

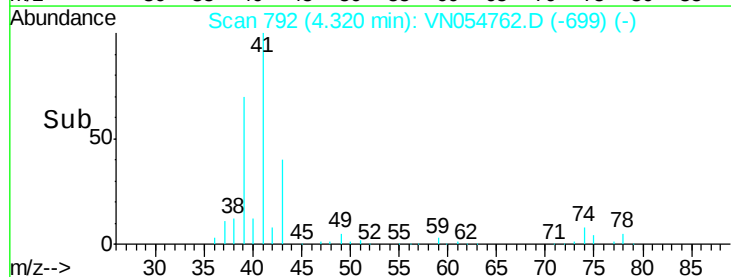
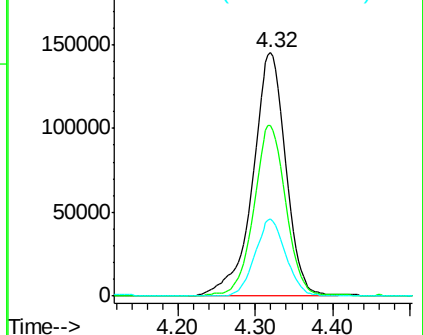
76 29.6 31.7 47.5#

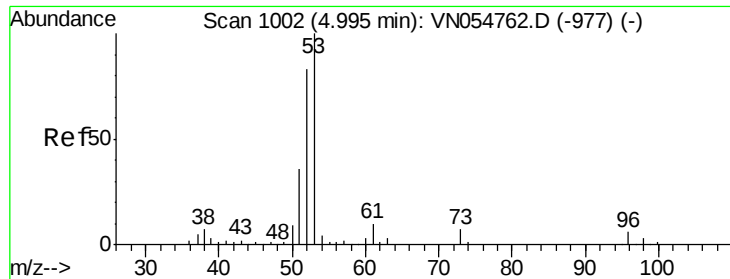


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

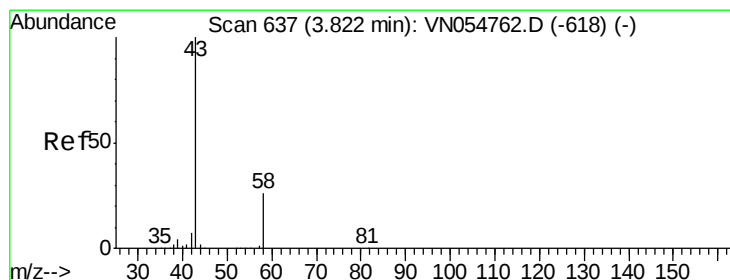
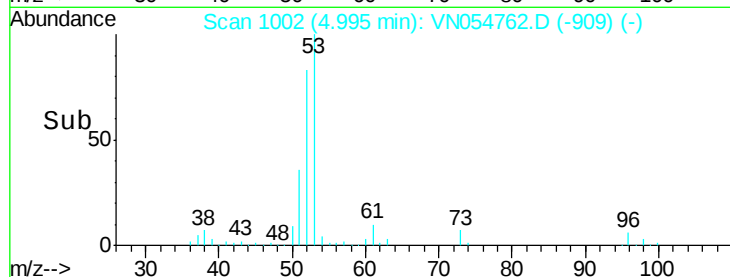
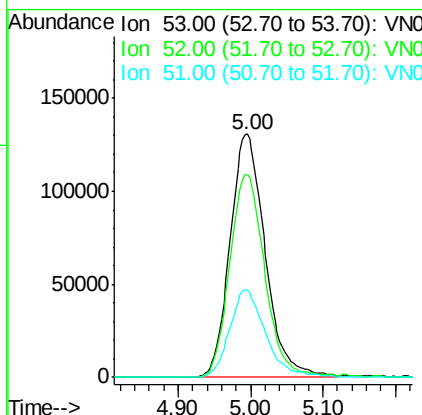
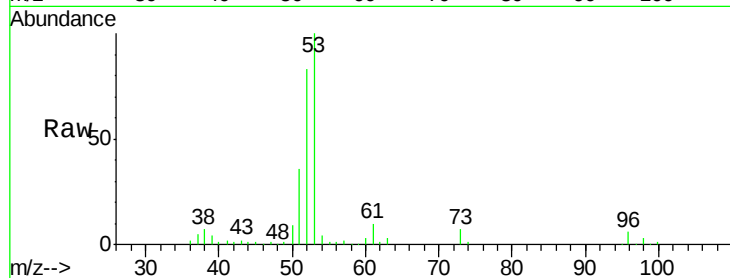




#15
 Acrylonitrile
 Concen: 246.58 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN054762.D
 Acq: 29 Mar 2019 11:19

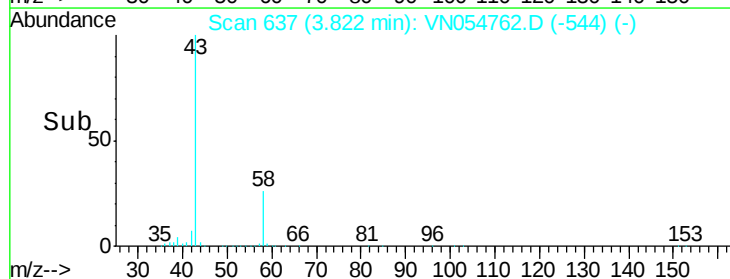
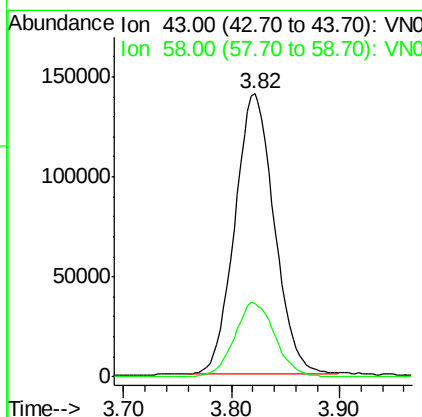
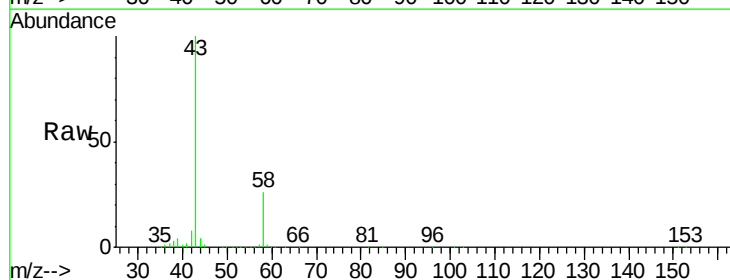
Instrument :
 MSVOA_N
 ClientSampleId :

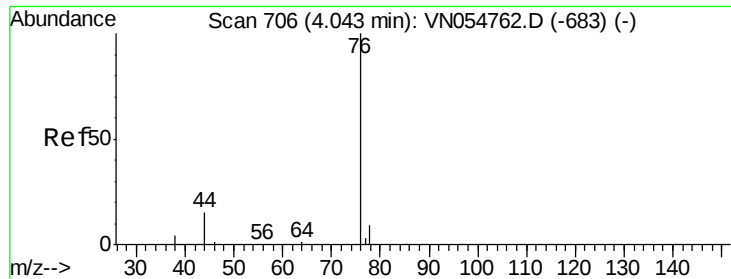
Tot Ion: 53 Resp: 441447
 Ion Ratio Lower Upper
 53 100
 52 83.0 66.4 99.6
 51 36.9 29.6 44.4



#16
 Acetone
 Concen: 241.67 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN054762.D
 Acq: 29 Mar 2019 11:19

Tgt Ion: 43 Resp: 356263
 Ion Ratio Lower Upper
 43 100
 58 26.2 29.9 44.9#

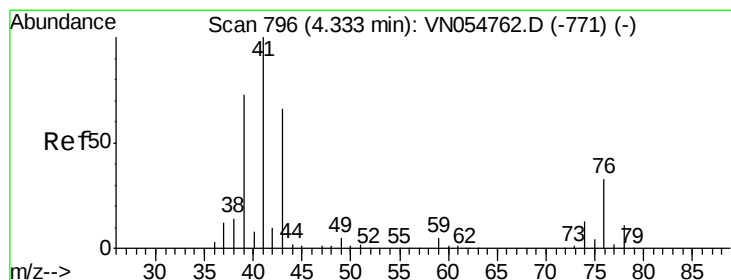
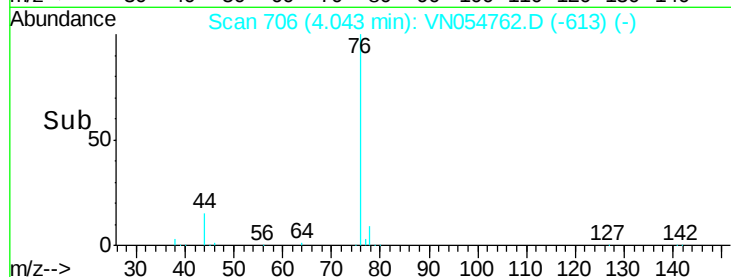
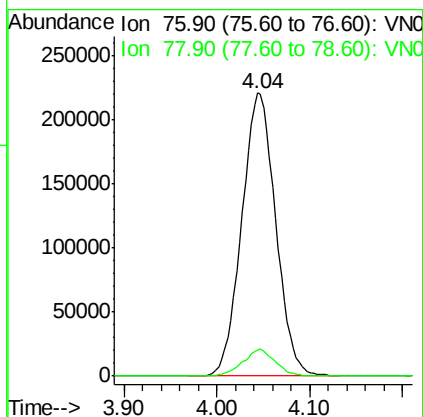
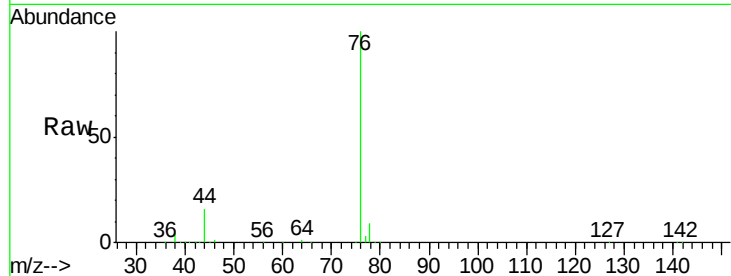




#17
Carbon Disulfide
Concen: 47.99 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

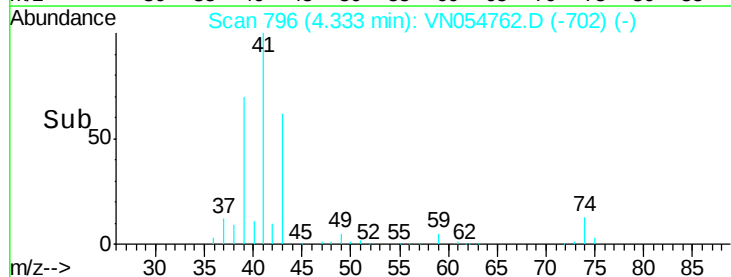
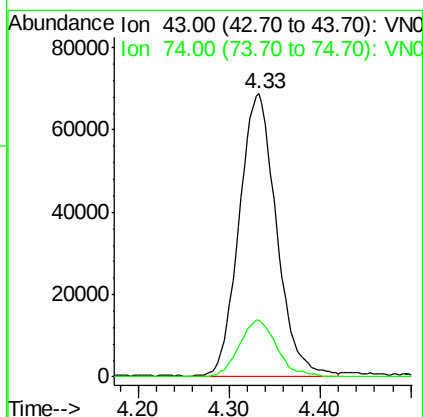
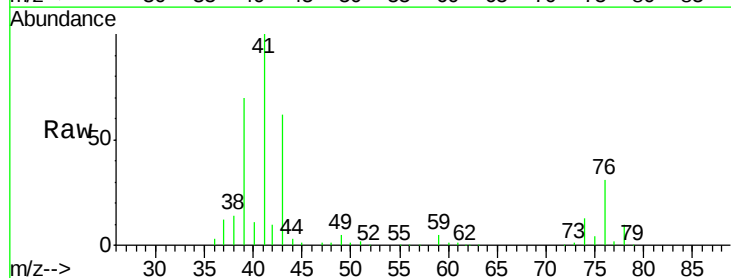
Instrument :
MSVOA_N
ClientSampleId :

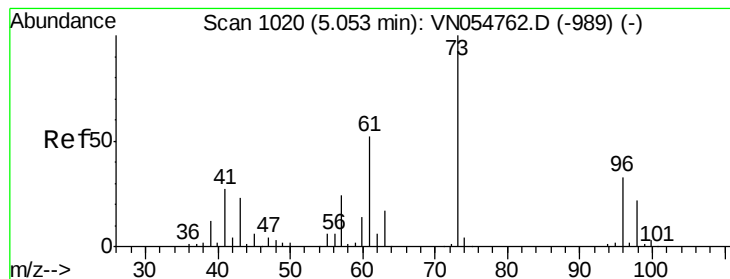
Tot Ion: 76 Resp: 561070
Ion Ratio Lower Upper
76 100
78 9.4 7.5 11.3



#18
Methyl Acetate
Concen: 50.67 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion: 43 Resp: 194500
Ion Ratio Lower Upper
43 100
74 20.4 20.8 31.2#





#19

Methyl tert-butyl Ether

Concen: 49.31 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

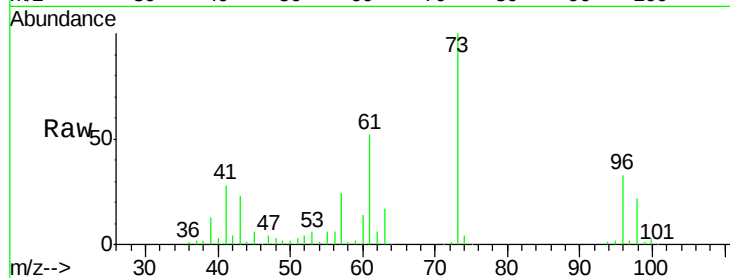
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 73 Resp: 621770

Ion Ratio Lower Upper

73 100

57 24.3 16.8 25.2



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

200000

150000

100000

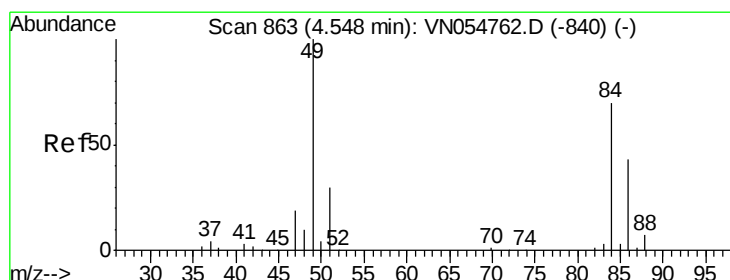
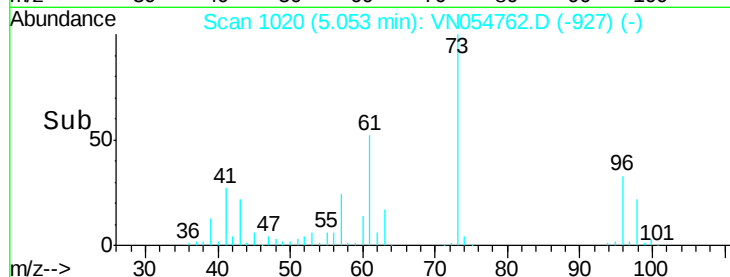
50000

0

Time-->

4.90 5.00 5.10 5.20

5.05



#20

Methylene Chloride

Concen: 46.87 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Tgt Ion: 84 Resp: 243742

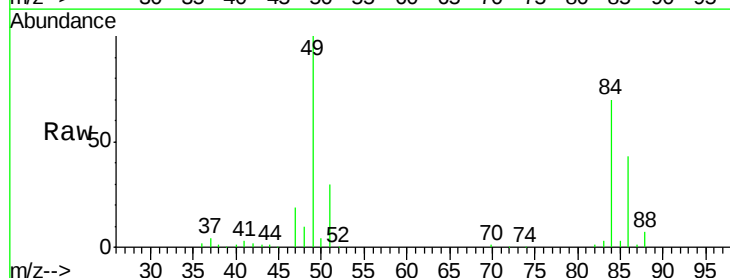
Ion Ratio Lower Upper

84 100

49 143.9 89.7 134.5#

51 43.3 28.2 42.4#

86 61.5 50.8 76.2



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

150000

100000

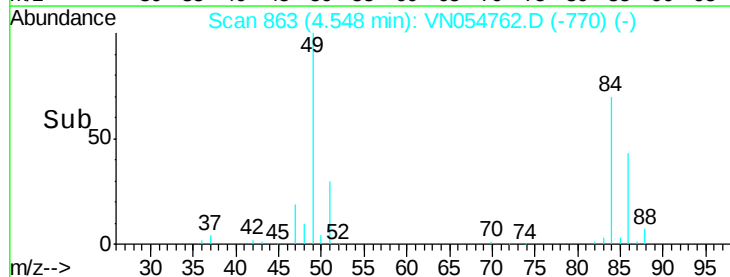
50000

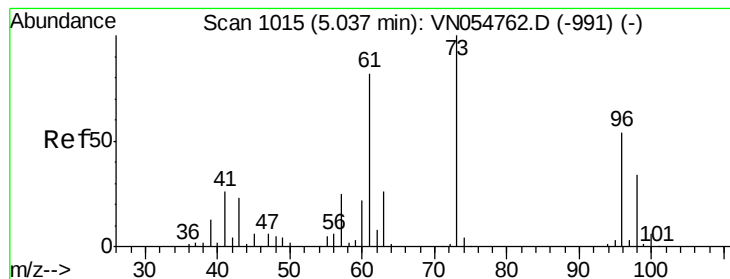
0

Time-->

4.40 4.50 4.60 4.70

4.55





#21

trans-1,2-Dichloroethene

Concen: 48.29 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

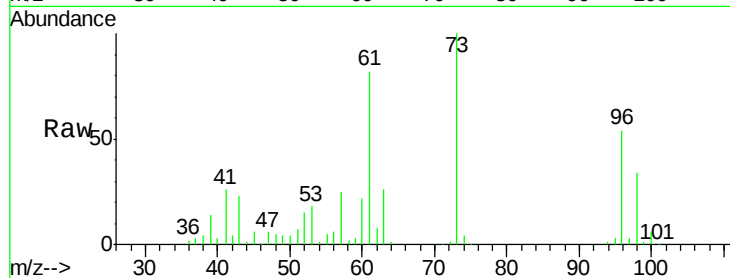
Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 228667

Ion	Ratio	Lower	Upper
96	100		
61	151.9	102.8	154.2
98	62.1	50.0	75.0

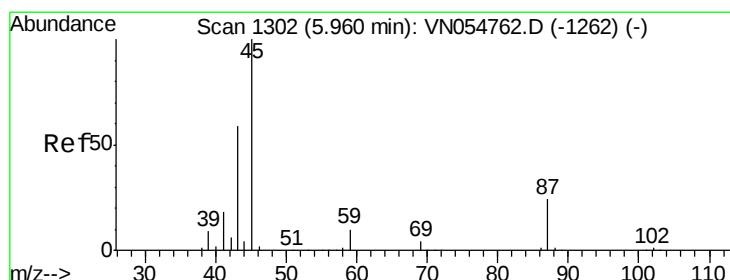
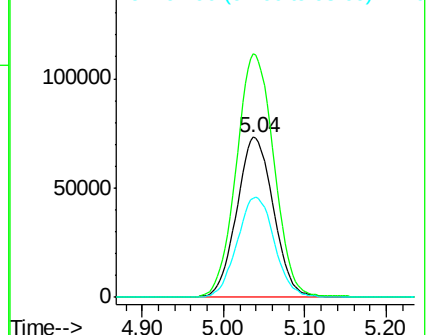
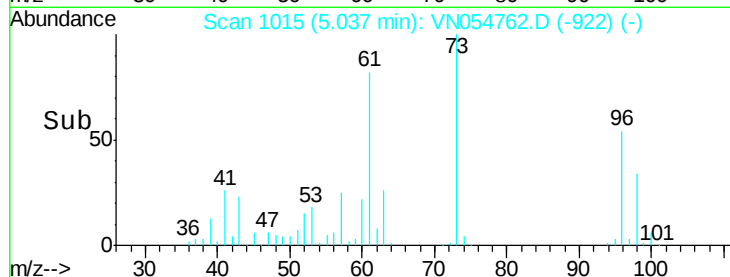


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 49.90 ug/l

RT: 5.96 min Scan# 1302

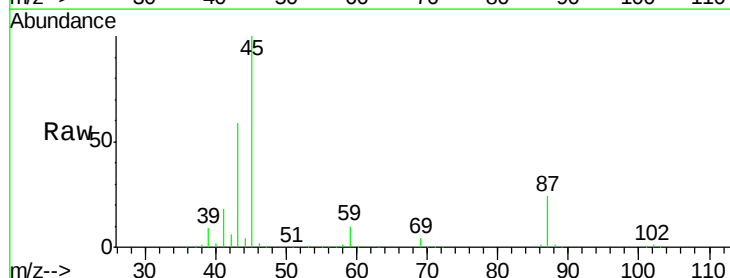
Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Tgt Ion: 45 Resp: 876294

Ion	Ratio	Lower	Upper
45	100		
43	59.0	48.2	72.2
87	23.4	24.9	37.3
59	10.3	9.5	14.3



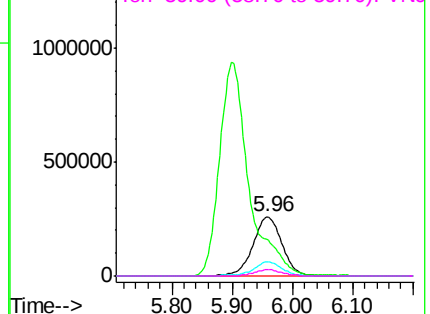
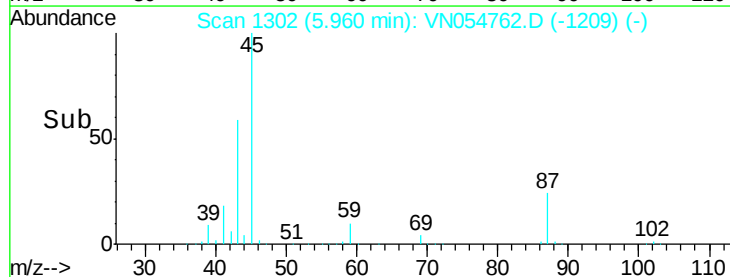
Abundance

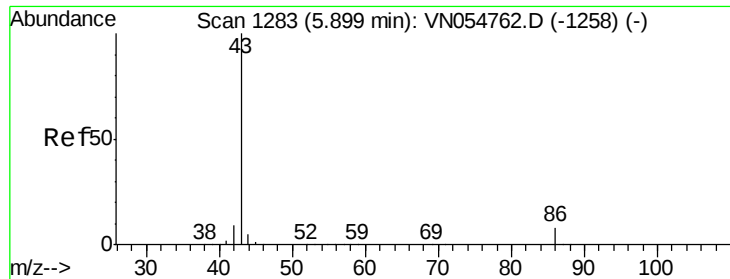
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 265.65 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

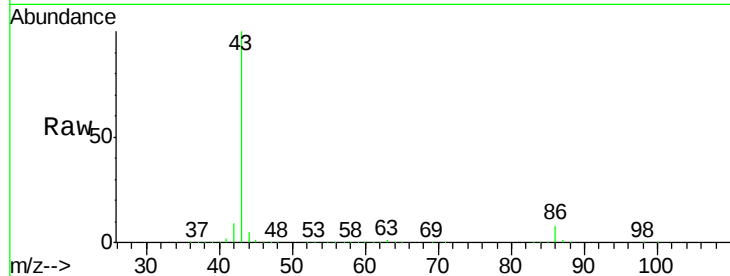
ClientSampled :

Tot Ion: 43 Resp: 3170200

Ion Ratio Lower Upper

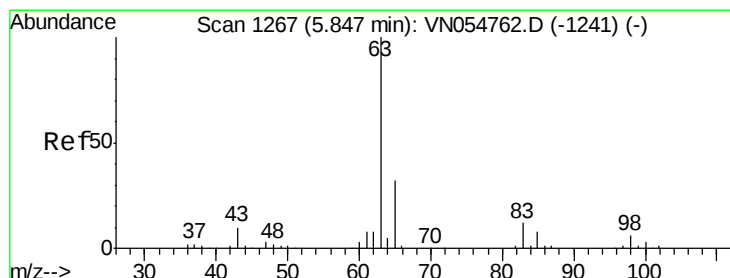
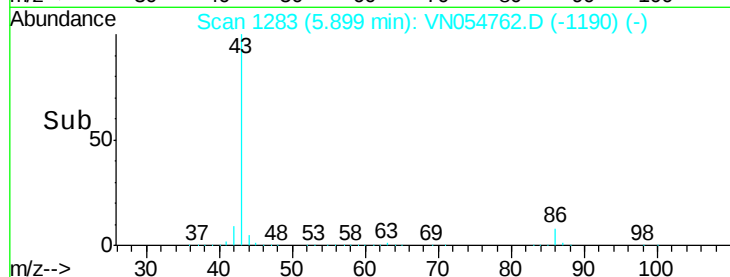
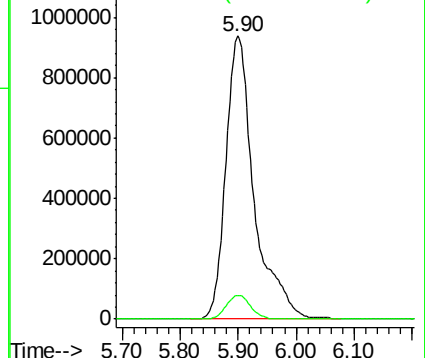
43 100

86 8.5 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.34 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

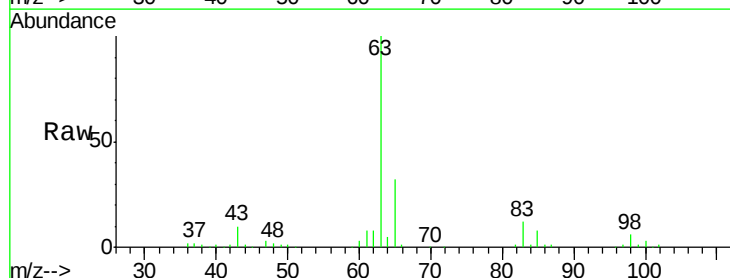
Tgt Ion: 63 Resp: 462185

Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.5

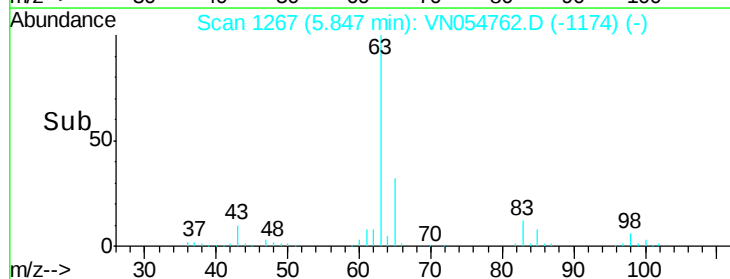
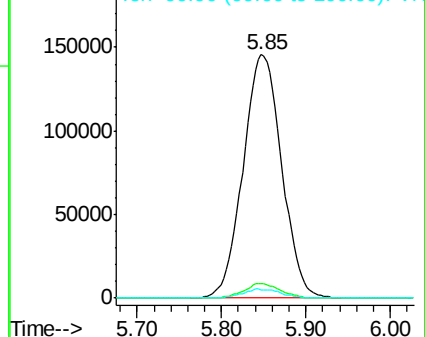
100 3.4 2.0 6.0

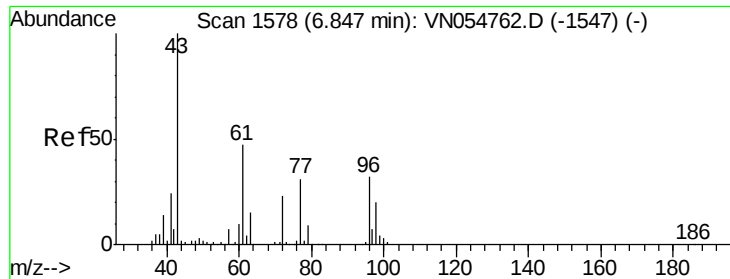


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

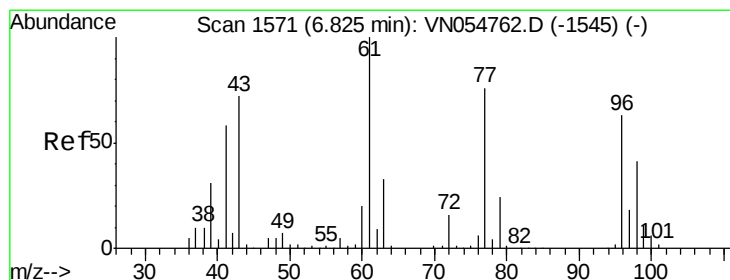
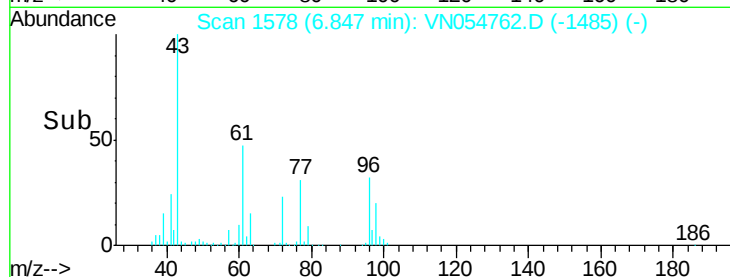
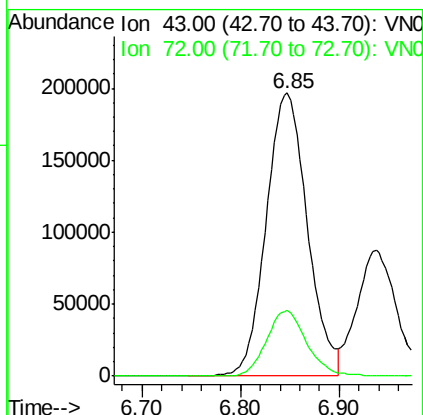
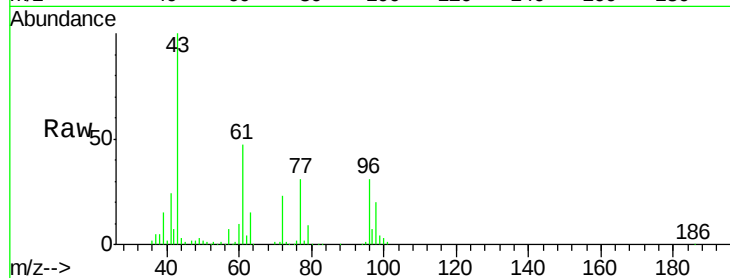




#25
2-Butanone
Concen: 259.61 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

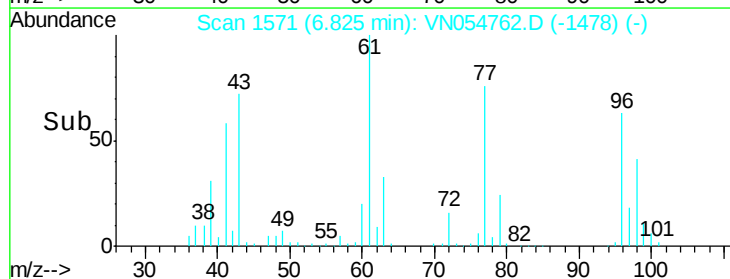
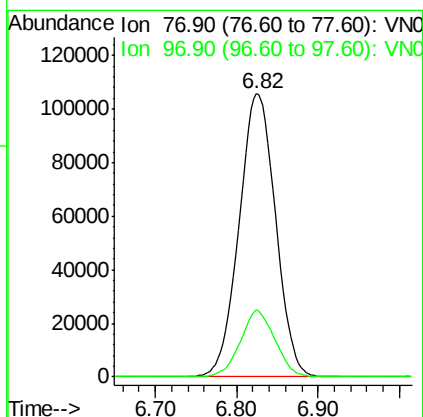
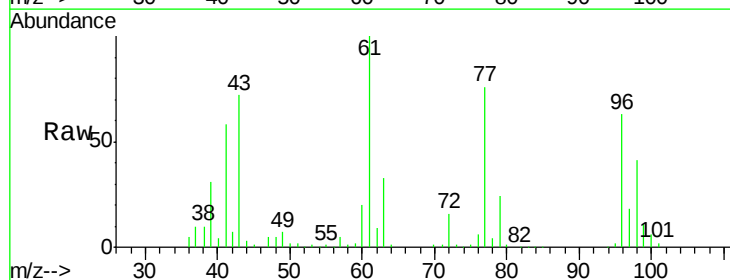
Instrument :
MSVOA_N
ClientSampled :

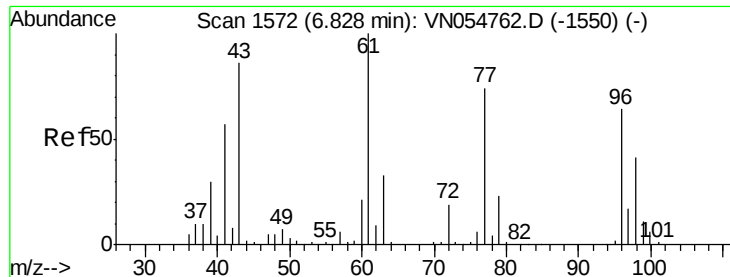
Tot Ion: 43 Resp: 565725
Ion Ratio Lower Upper
43 100
72 23.1 23.0 34.6



#26
2,2-Dichloropropane
Concen: 49.68 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion: 77 Resp: 326176
Ion Ratio Lower Upper
77 100
97 22.4 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 48.98 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :
MSVOA_N
ClientSampleId :

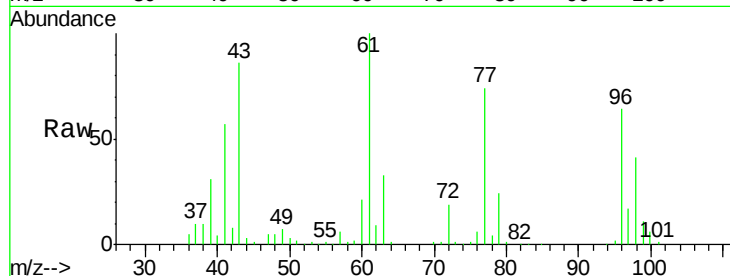
Tot Ion: 96 Resp: 261973

Ion Ratio Lower Upper

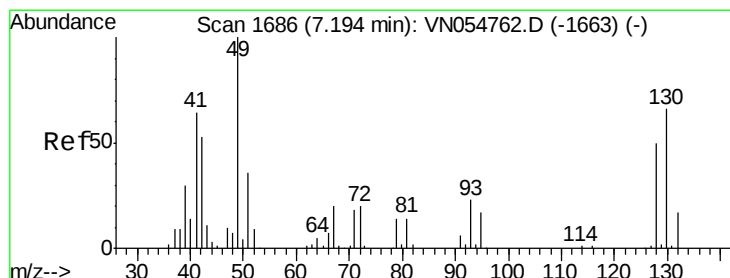
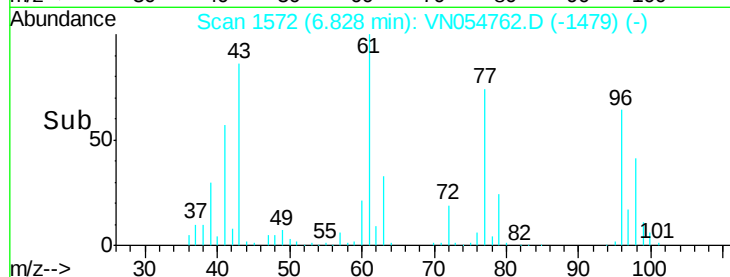
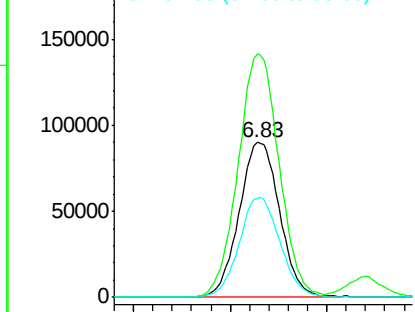
96 100

61 158.7 0.0 273.0

98 65.3 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: 49.66 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

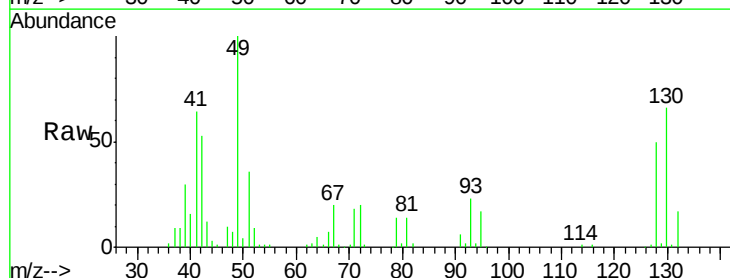
Tgt Ion: 49 Resp: 232624

Ion Ratio Lower Upper

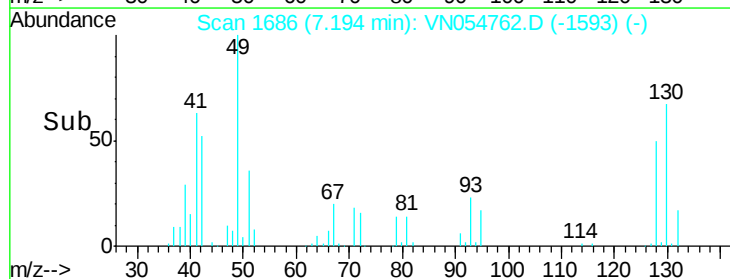
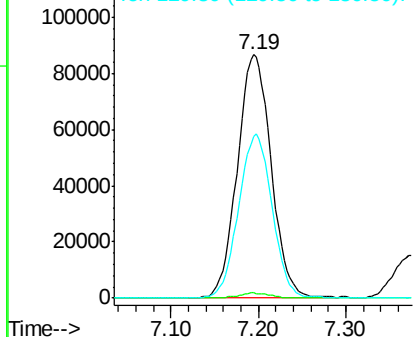
49 100

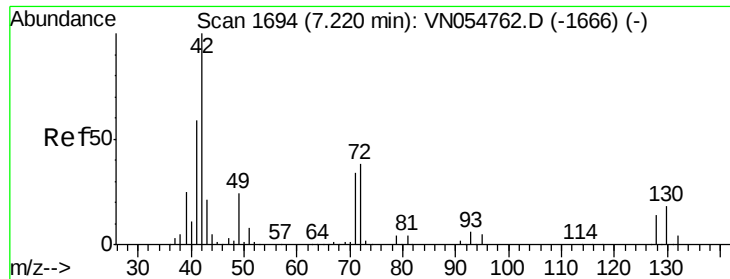
129 2.0 0.0 4.6

130 66.5 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

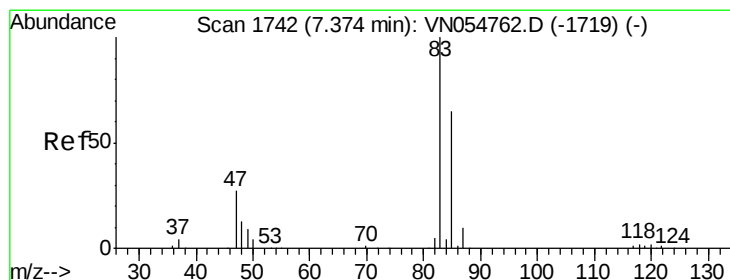
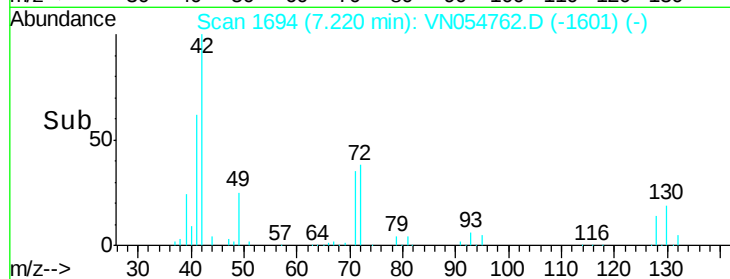
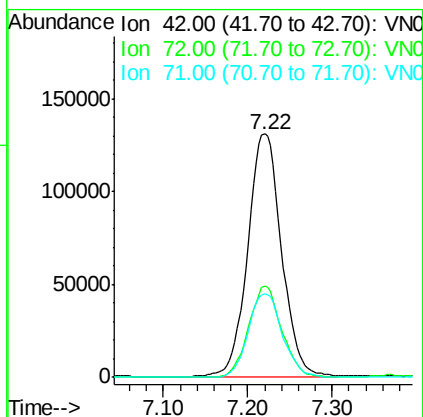
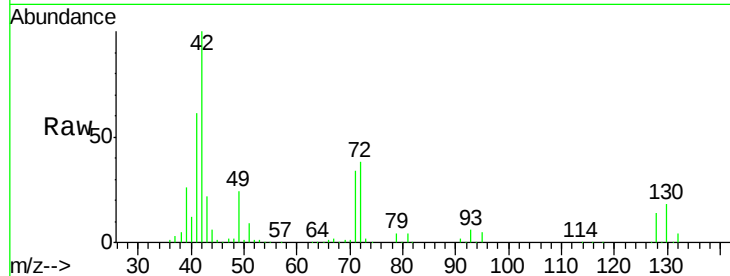




#29
Tetrahydrofuran
Concen: 240.75 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

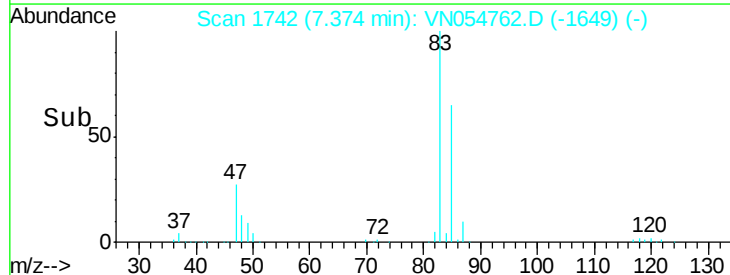
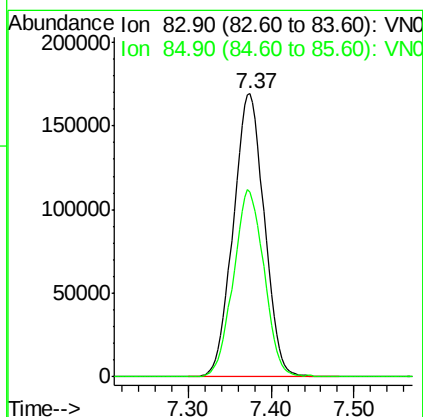
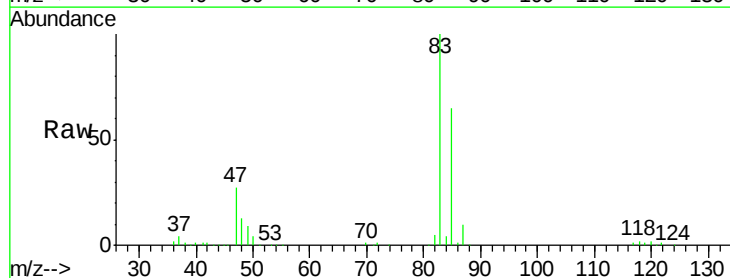
Instrument :
MSVOA_N
ClientSampleId :

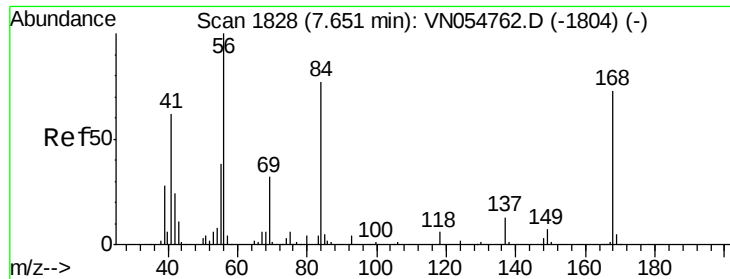
Tot Ion: 42 Resp: 364868
Ion Ratio Lower Upper
42 100
72 36.7 37.8 56.6#
71 34.8 36.2 54.2#



#30
Chloroform
Concen: 49.36 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion: 83 Resp: 440933
Ion Ratio Lower Upper
83 100
85 65.3 52.2 78.4





#31

Cyclohexane

Concen: 51.50 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :
MSVOA_N
ClientSampled :

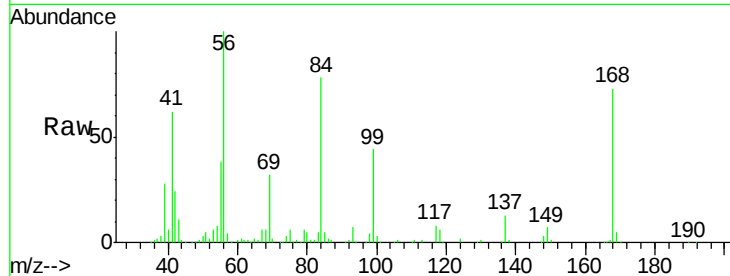
Tot Ion: 56 Resp: 439072

Ion Ratio Lower Upper

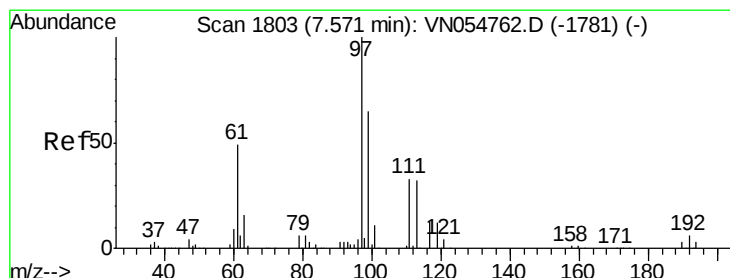
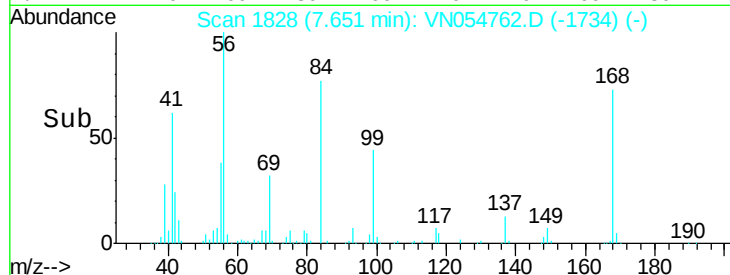
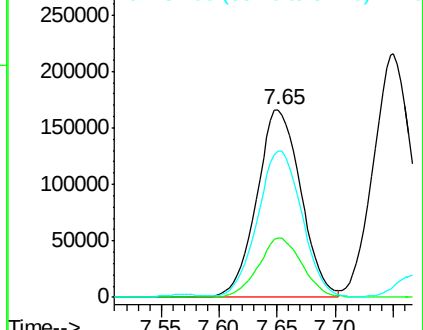
56 100

69 31.8 27.8 41.6

84 76.9 74.6 111.8



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



#32

1,1,1-Trichloroethane

Concen: 50.06 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

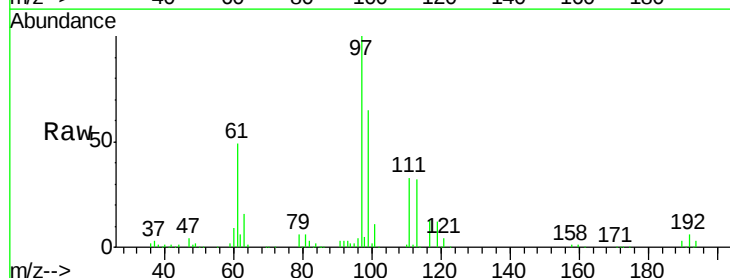
Tgt Ion: 97 Resp: 370555

Ion Ratio Lower Upper

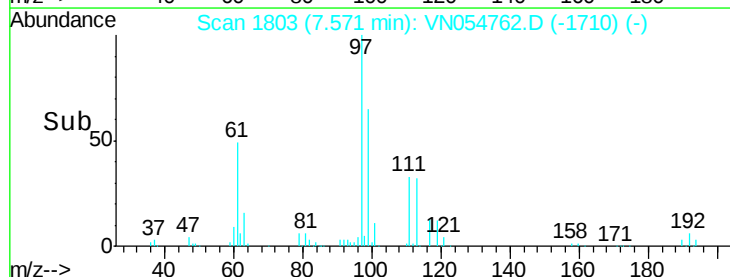
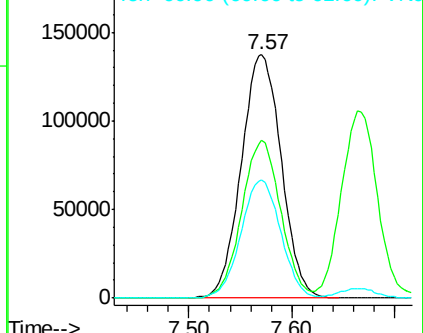
97 100

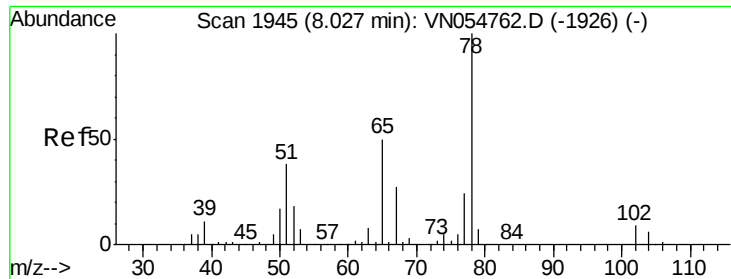
99 63.6 51.5 77.3

61 48.3 33.6 50.4



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





#33

1,2-Dichloroethane-d4

Concen: 50.22 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

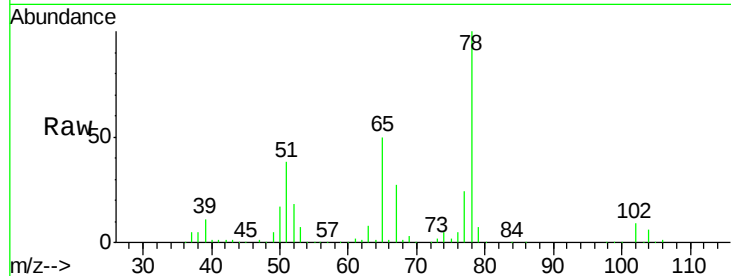
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 310447

Ion Ratio Lower Upper

65 100

67 53.0 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

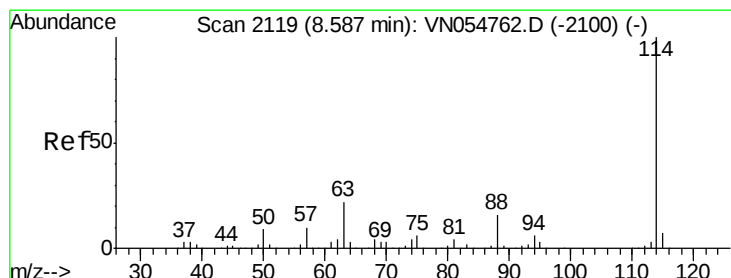
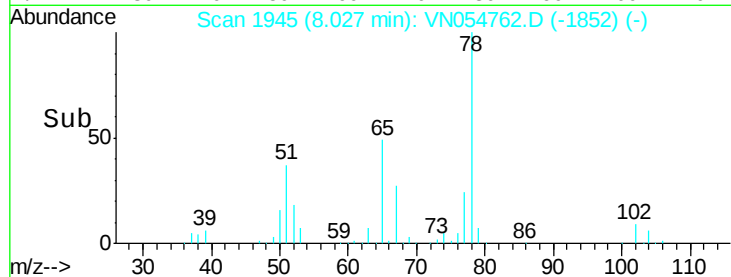
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

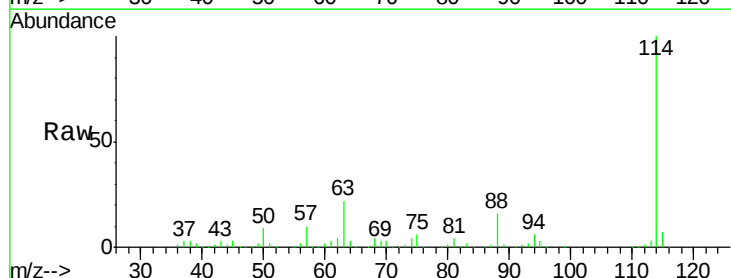
Tgt Ion: 114 Resp: 748291

Ion Ratio Lower Upper

114 100

63 22.0 0.0 35.2

88 15.6 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

400000

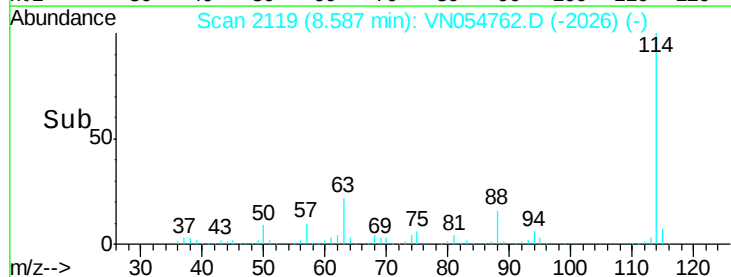
300000

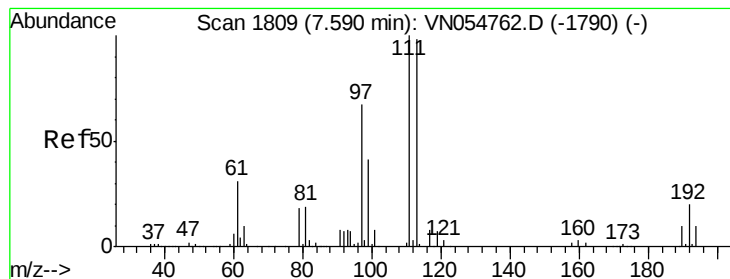
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 49.63 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :
MSVOA_N
ClientSampleId :

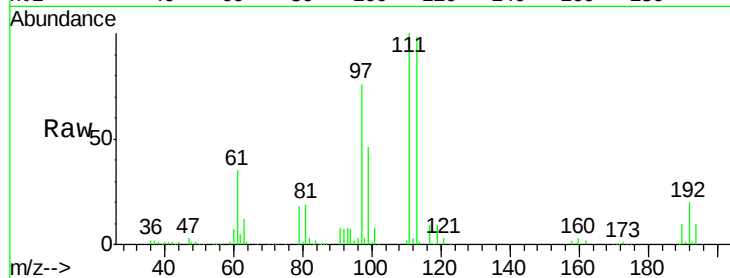
Tot Ion:113 Resp: 247594

Ion Ratio Lower Upper

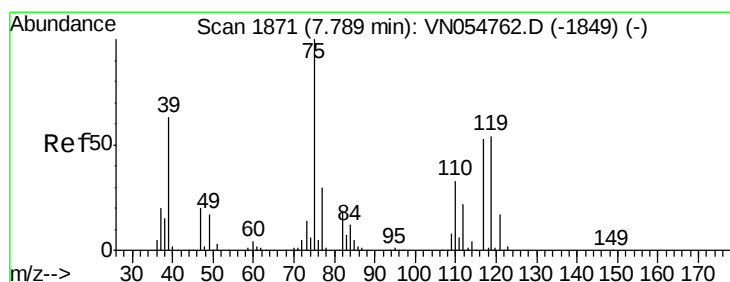
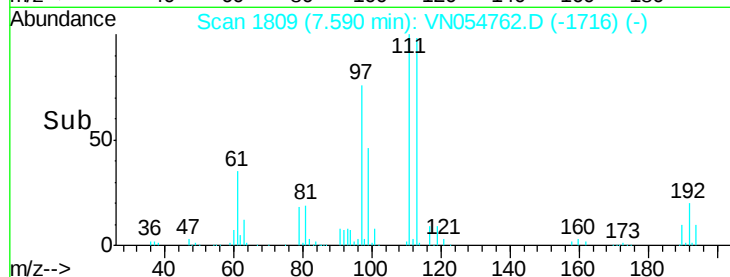
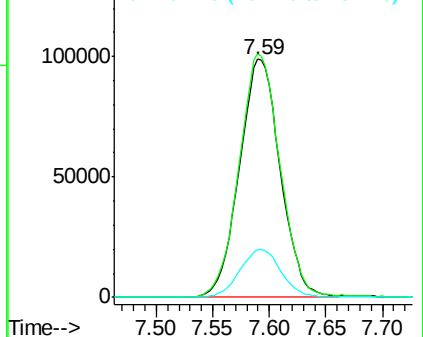
113 100

111 102.5 82.2 123.4

192 20.3 19.2 28.8



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



#36

1,1-Dichloropropene

Concen: 49.61 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

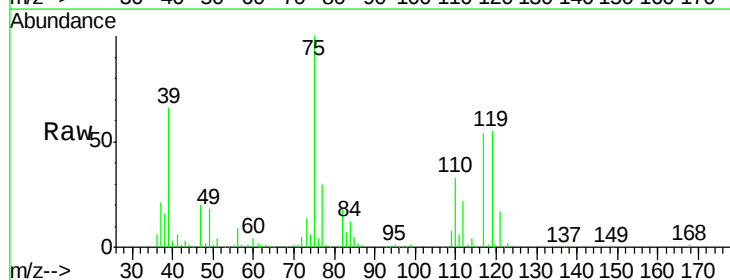
Tgt Ion: 75 Resp: 338882

Ion Ratio Lower Upper

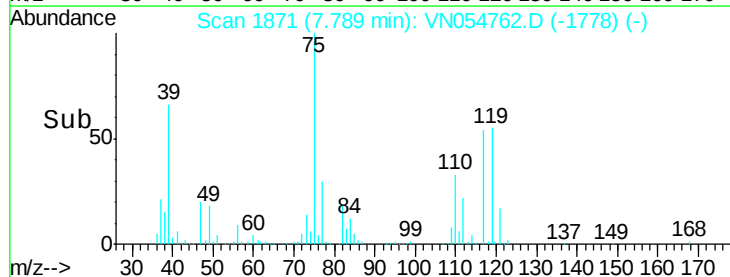
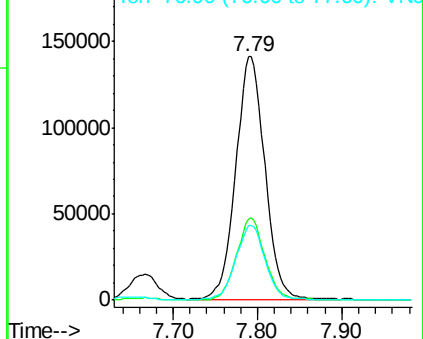
75 100

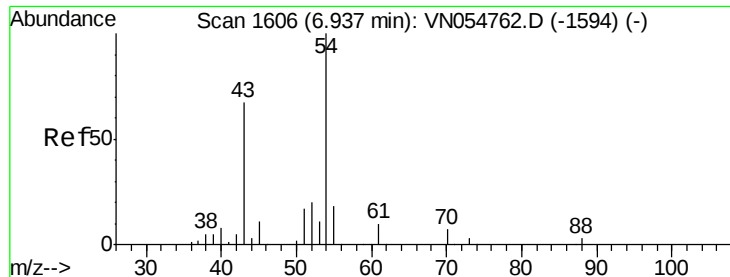
110 33.3 19.1 57.5

77 31.5 25.0 37.4



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

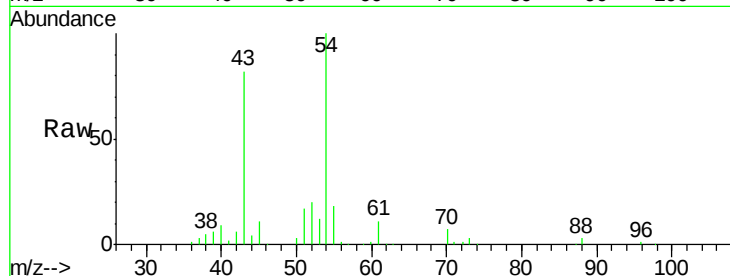




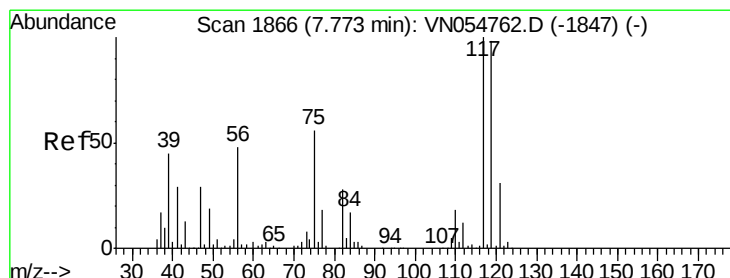
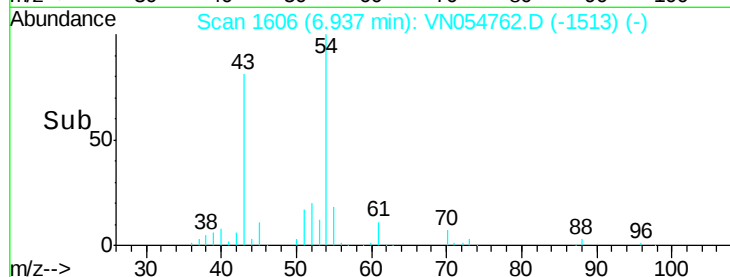
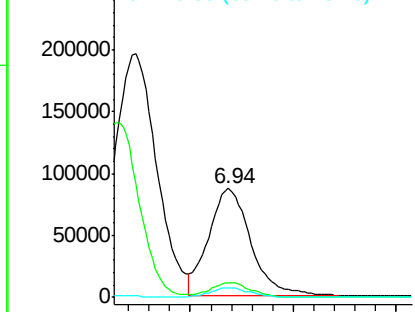
#37
Ethyl Acetate
Concen: 49.02 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 245970
Ion Ratio Lower Upper
43 100
61 12.9 11.8 17.6
70 8.4 8.4 12.6

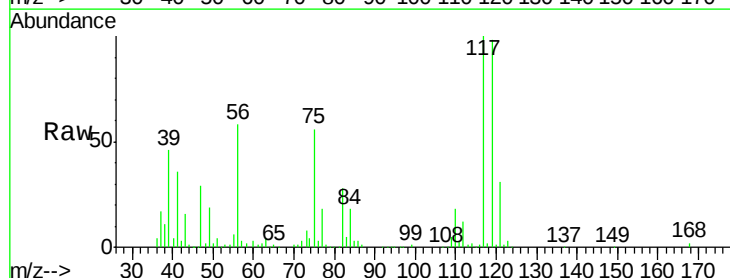


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

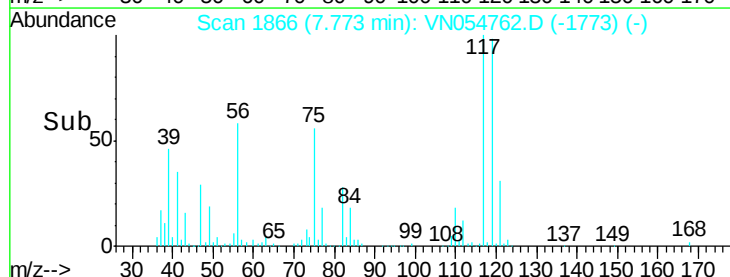
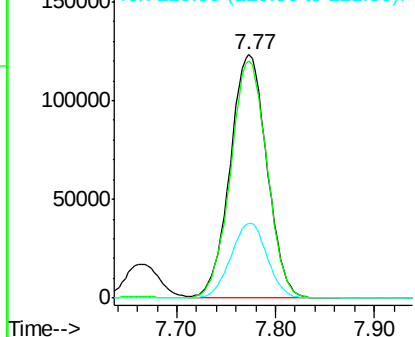


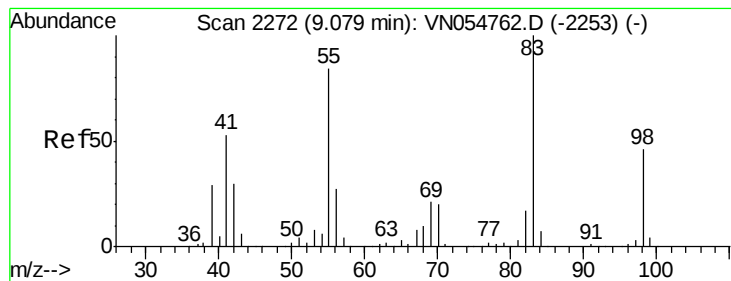
#38
Carbon Tetrachloride
Concen: 47.27 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion: 117 Resp: 320117
Ion Ratio Lower Upper
117 100
119 97.5 76.3 114.5
121 30.5 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#39

Methvlcvclohexane

Concen: 49.38 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

ClientSampled :

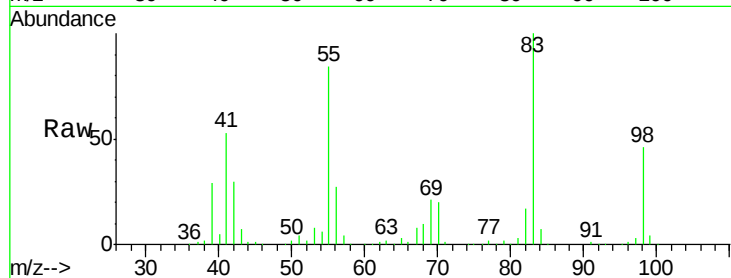
Tot Ion: 83 Resp: 378493

Ion Ratio Lower Upper

83 100

55 84.0 56.6 84.8

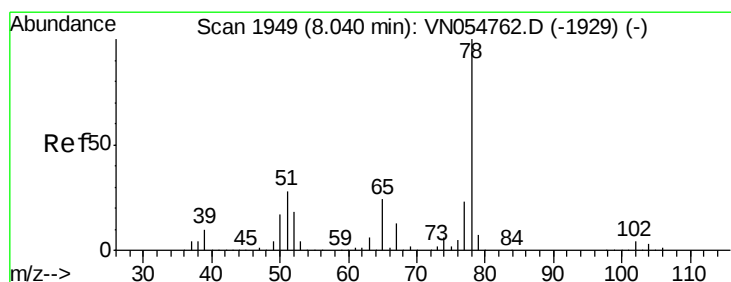
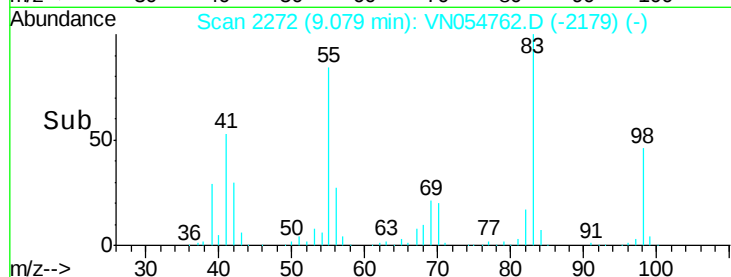
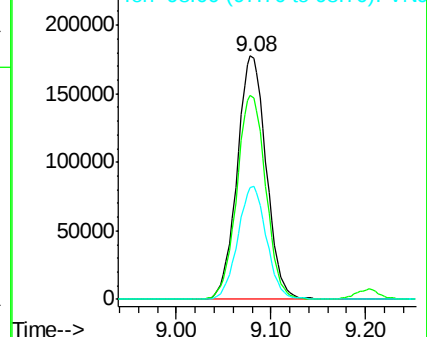
98 46.0 38.4 57.6



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 49.66 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN054762.D

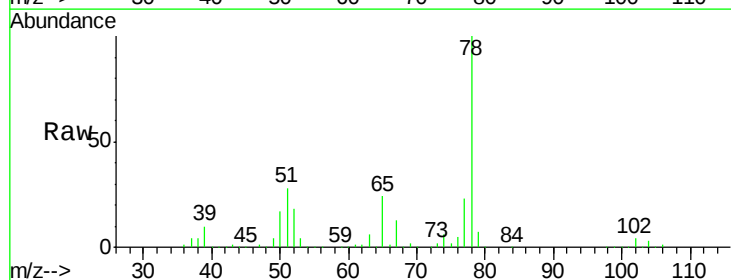
Acq: 29 Mar 2019 11:19

Tgt Ion: 78 Resp: 990871

Ion Ratio Lower Upper

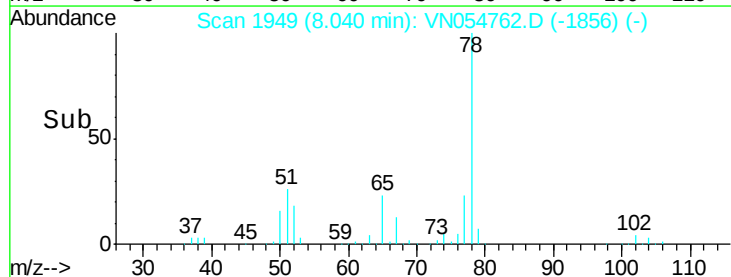
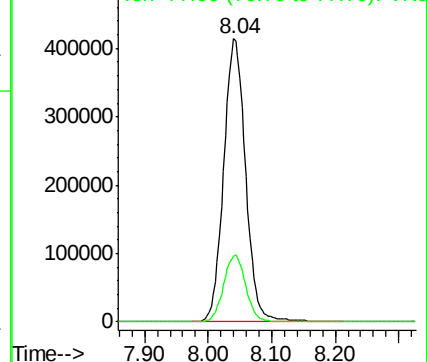
78 100

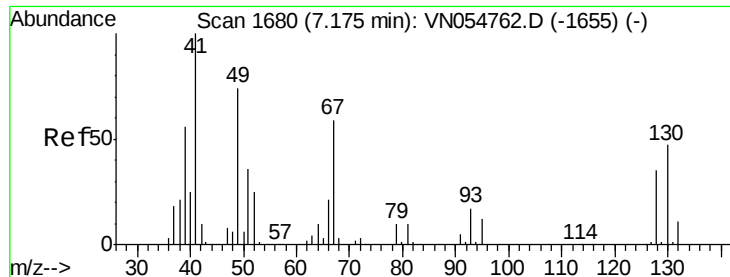
77 23.3 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

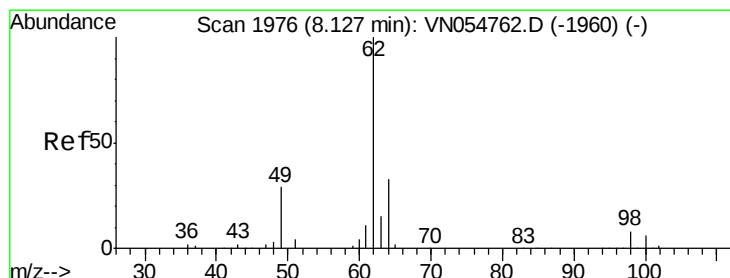
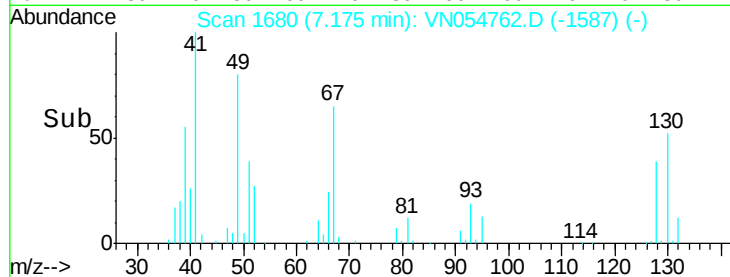
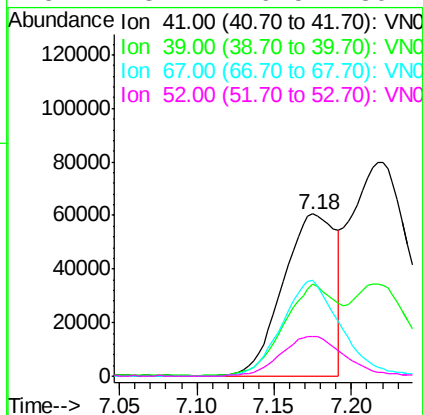
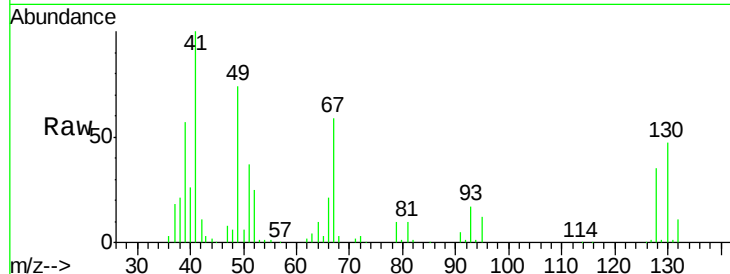




#41
Methacrylonitrile
Concen: 49.97 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

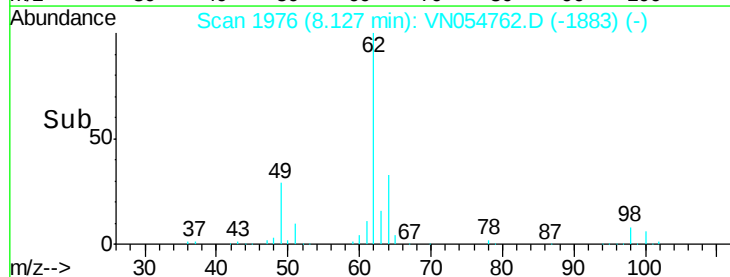
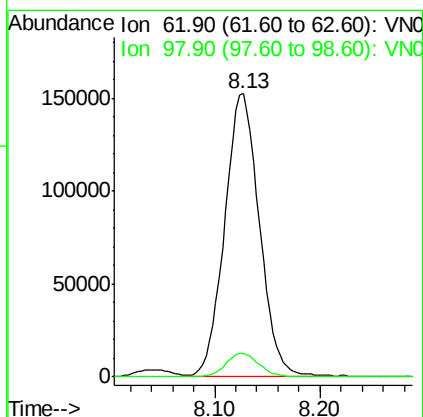
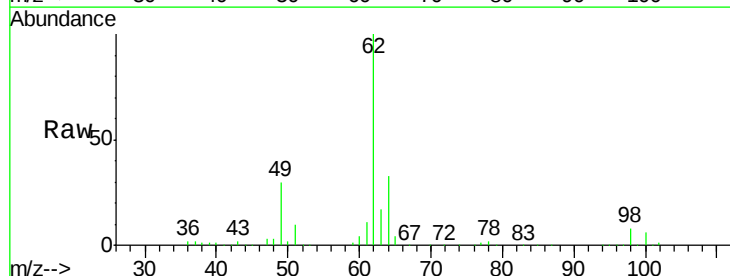
Instrument :
MSVOA_N
ClientSampled :

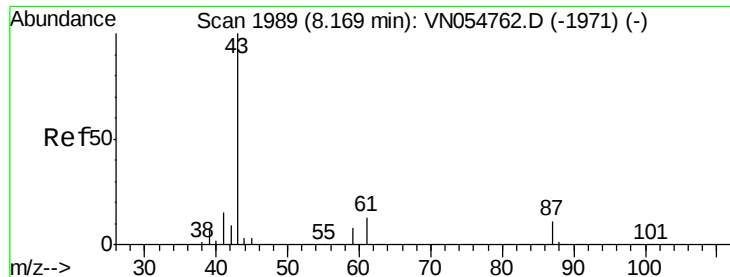
Tot Ion: 41 Resp: 143541
Ion Ratio Lower Upper
41 100
39 57.2 46.8 70.2
67 66.3 67.0 100.4#
52 28.7 26.5 39.7



#42
1,2-Dichloroethane
Concen: 48.61 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion: 62 Resp: 346256
Ion Ratio Lower Upper
62 100
98 8.0 0.0 18.4





#43

Isopropyl Acetate

Concen: 51.77 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

ClientSampled :

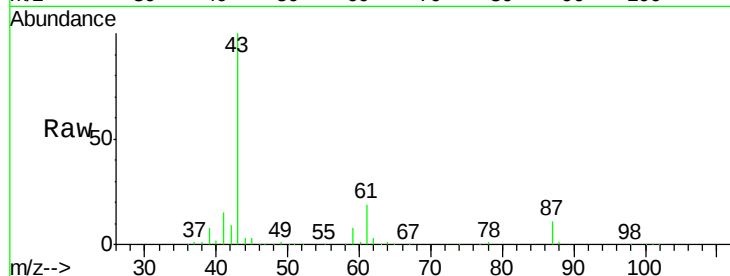
Tot Ion: 43 Resp: 430152

Ion Ratio Lower Upper

43 100

61 17.9 15.8 23.8

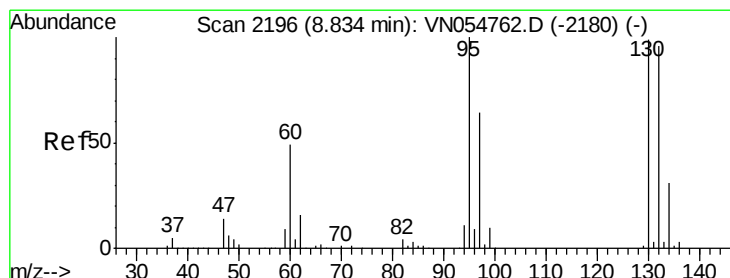
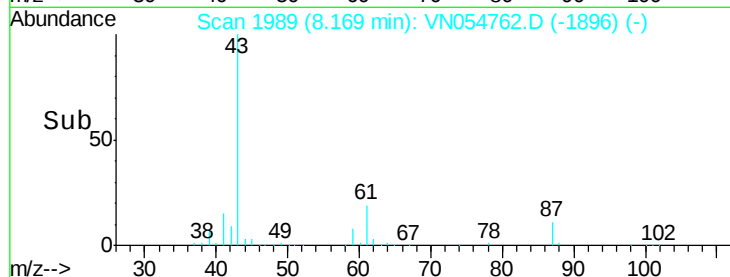
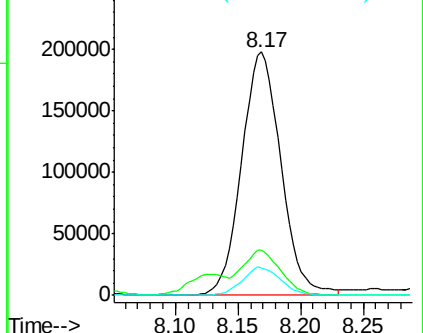
87 11.4 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054762.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054762.D (-1971) (-)



#44

Trichloroethene

Concen: 48.57 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054762.D

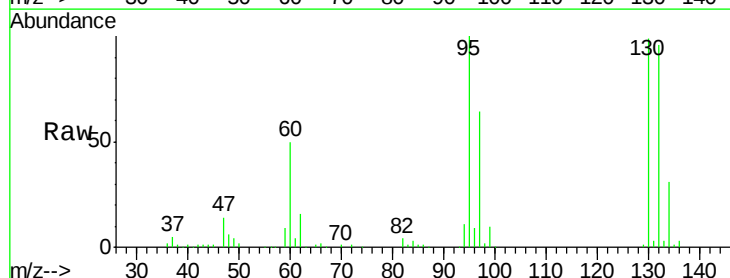
Acq: 29 Mar 2019 11:19

Tgt Ion:130 Resp: 251545

Ion Ratio Lower Upper

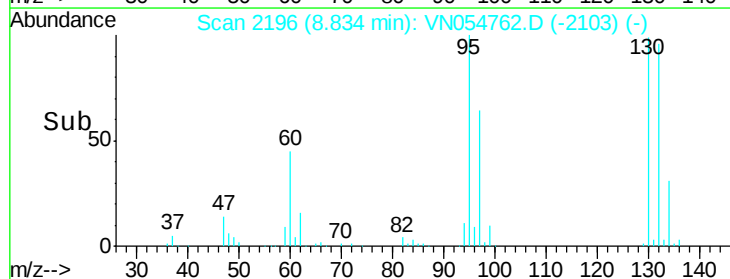
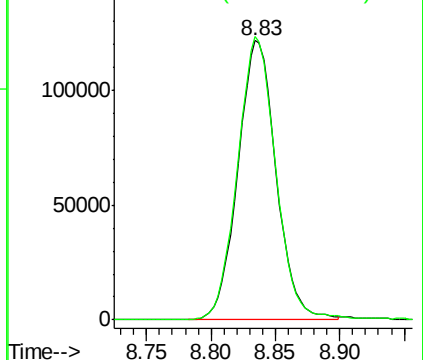
130 100

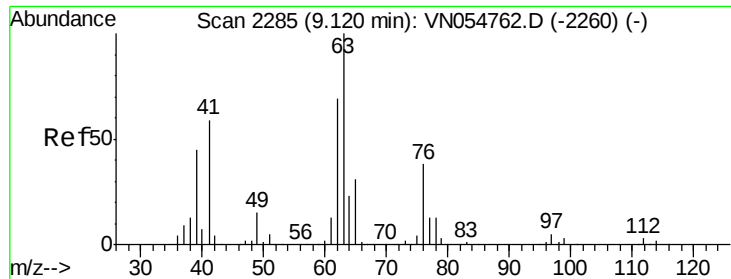
95 101.4 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054762.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN054762.D (-2180) (-)

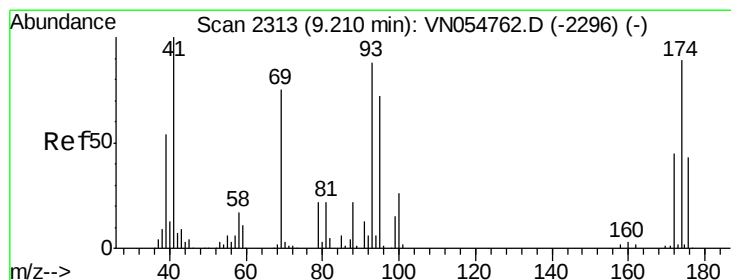
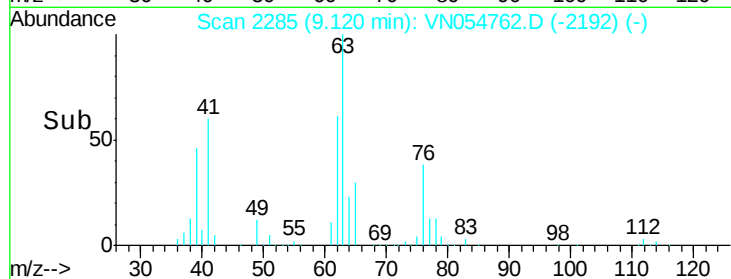
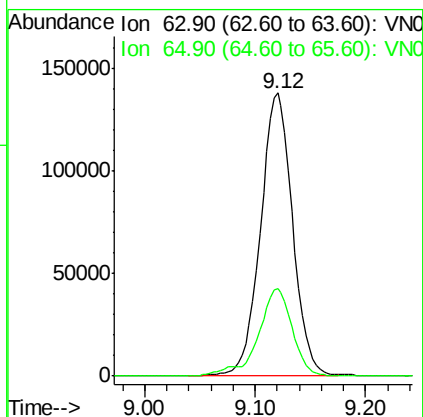
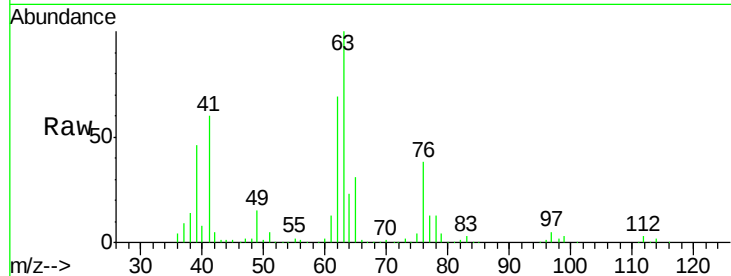




#45
 1,2-Dichloropropane
 Concen: 49.11 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054762.D
 Acq: 29 Mar 2019 11:19

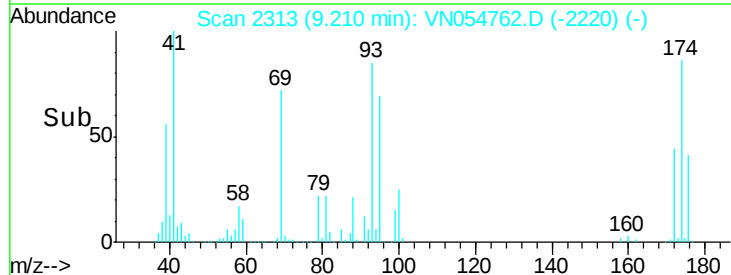
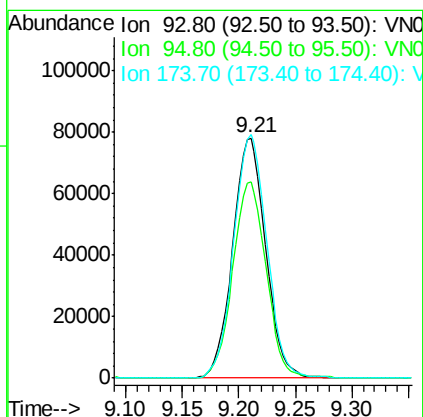
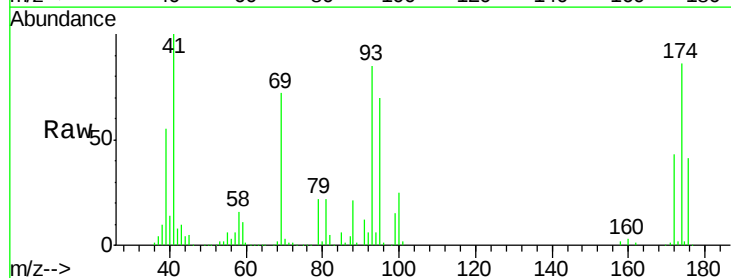
Instrument :
 MSVOA_N
 ClientSampleId :

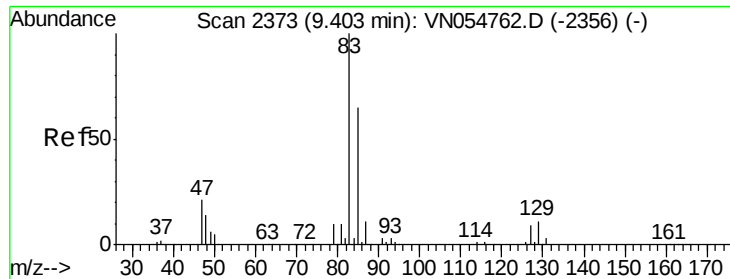
Tot Ion: 63 Resp: 279371
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.0 37.6



#46
 Dibromomethane
 Concen: 49.68 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054762.D
 Acq: 29 Mar 2019 11:19

Tgt Ion: 93 Resp: 158976
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.7 100.1
 174 102.0 98.5 147.7





#47

Bromodichloromethane

Concen: 50.66 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

ClientSampleId :

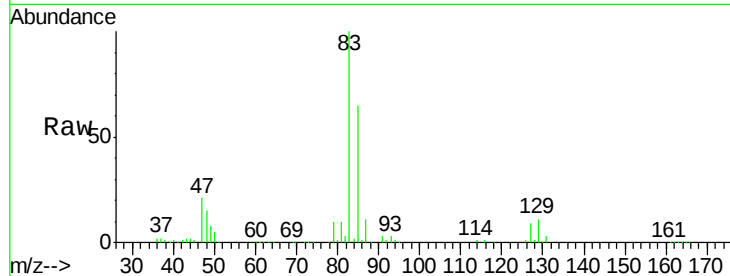
Tot Ion: 83 Resp: 336964

Ion Ratio Lower Upper

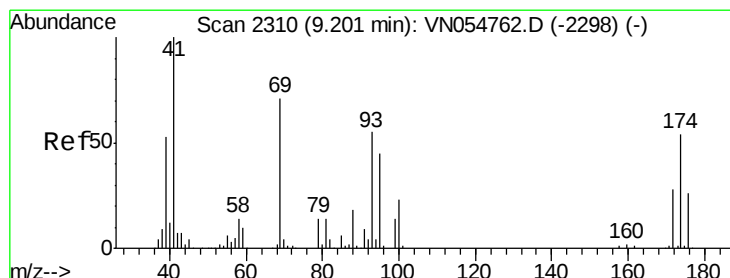
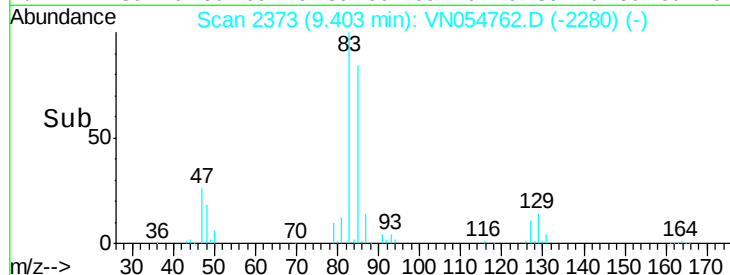
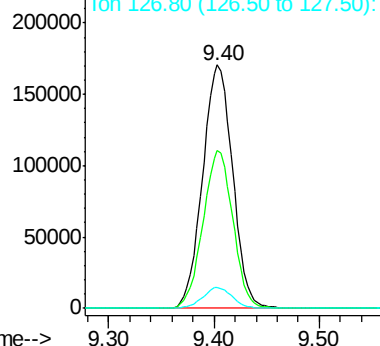
83 100

85 65.0 52.8 79.2

127 8.8 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054762.D (-2280) (-)



#48

Methyl methacrylate

Concen: 49.33 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

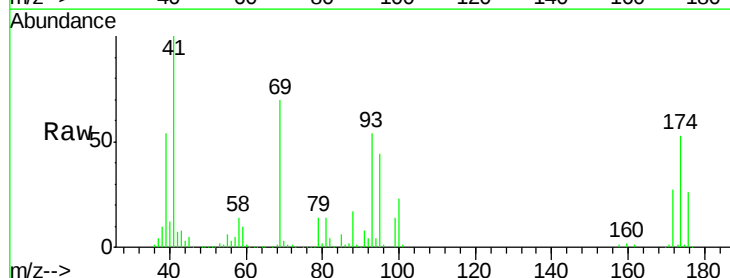
Tgt Ion: 41 Resp: 222170

Ion Ratio Lower Upper

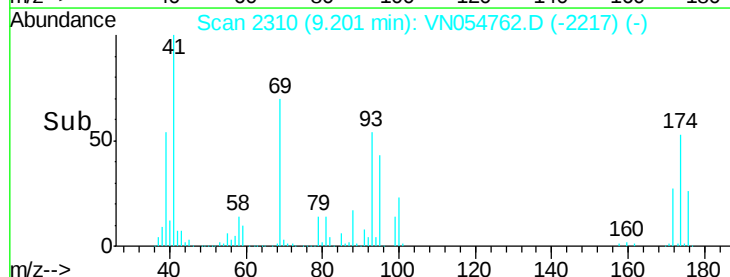
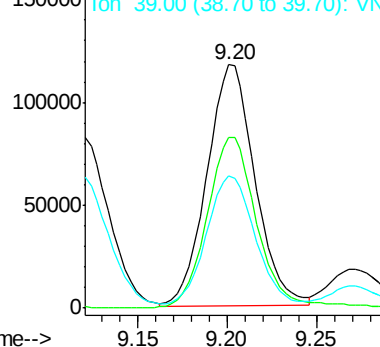
41 100

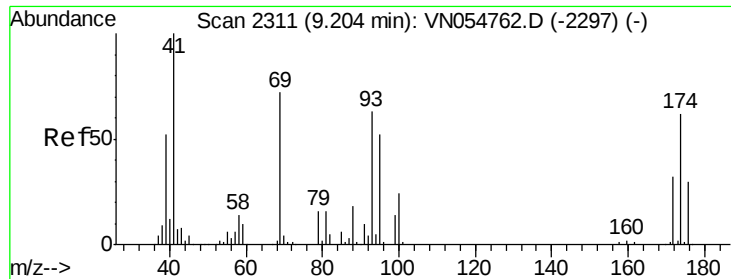
69 73.9 72.6 108.8

39 55.7 47.5 71.3



Abundance Ion 41.00 (40.70 to 41.70): VN054762.D (-2217) (-)





#49

1,4-Dioxane

Concen: 1020.69 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :
MSVOA_N
ClientSampleId :

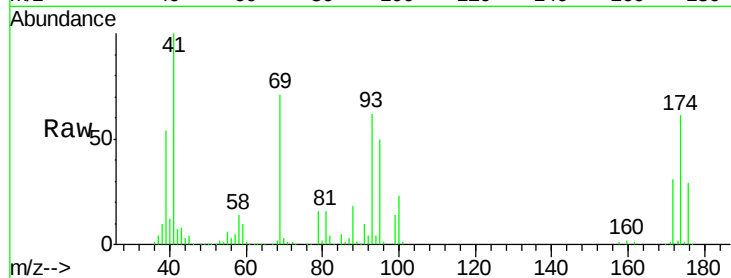
Tot Ion: 88 Resp: 45611

Ion Ratio Lower Upper

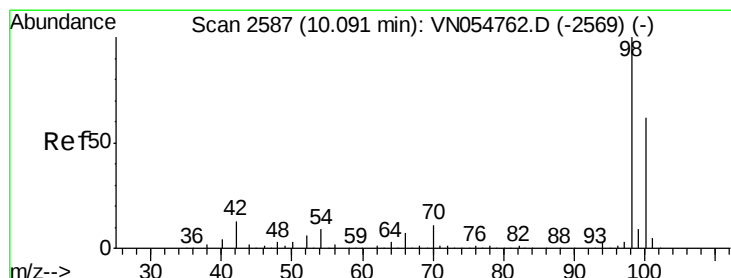
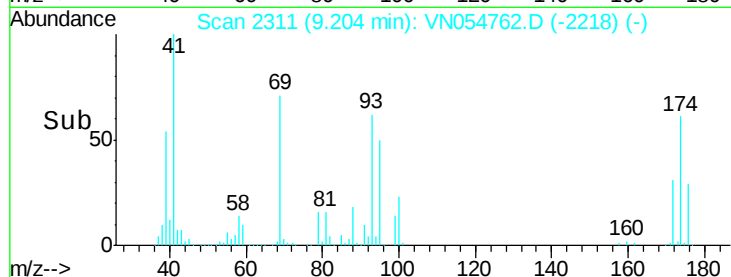
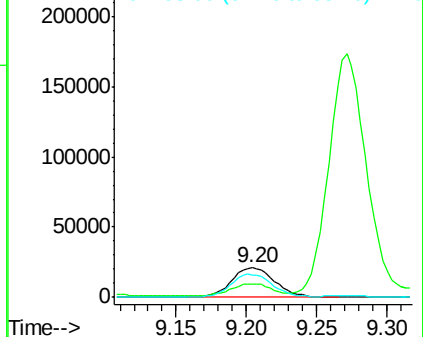
88 100

43 40.9 24.1 36.1#

58 76.2 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: 51.03 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054762.D

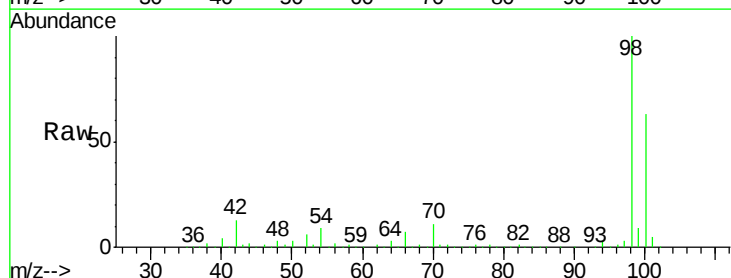
Acq: 29 Mar 2019 11:19

Tgt Ion: 98 Resp: 946510

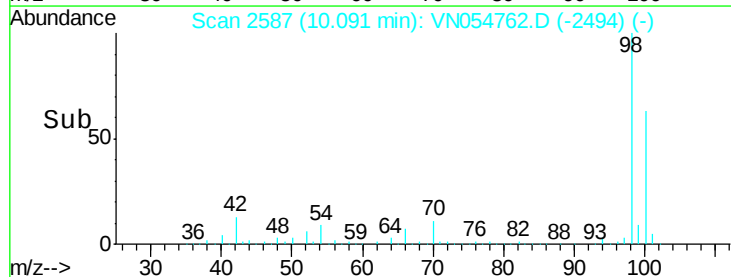
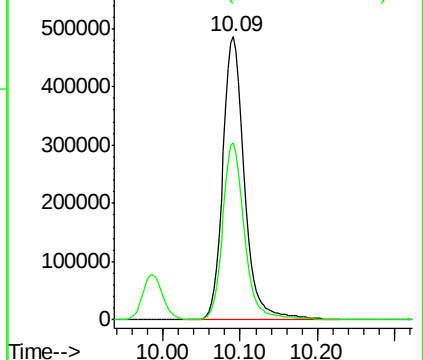
Ion Ratio Lower Upper

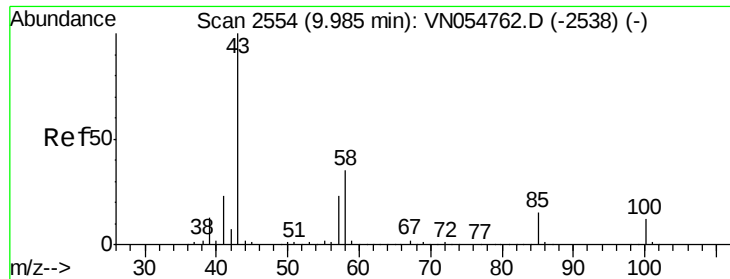
98 100

100 62.3 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: 257.92 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

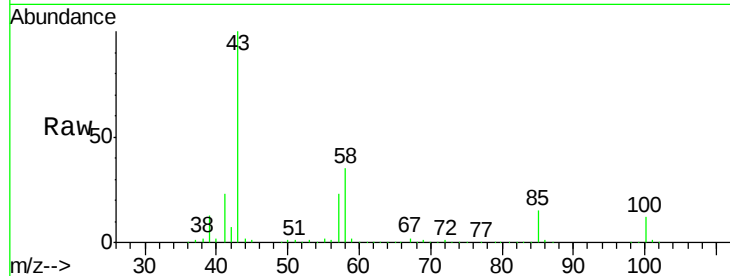
ClientSampleId :

Tot Ion: 43 Resp: 1204767

Ion Ratio Lower Upper

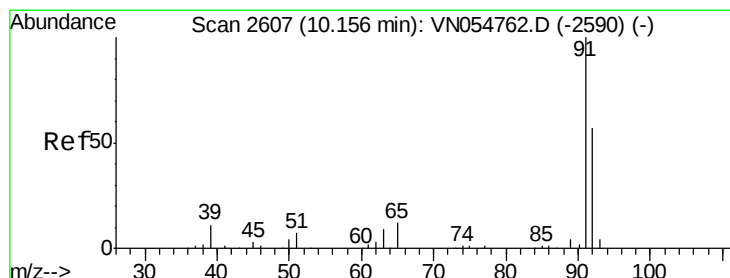
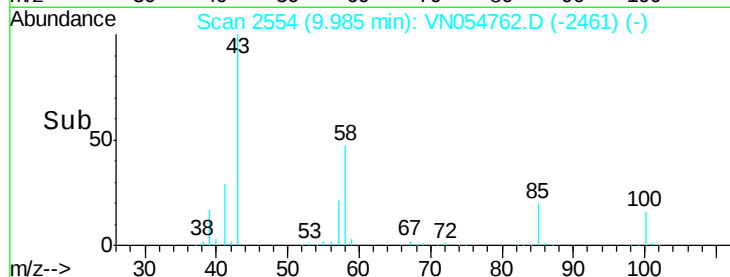
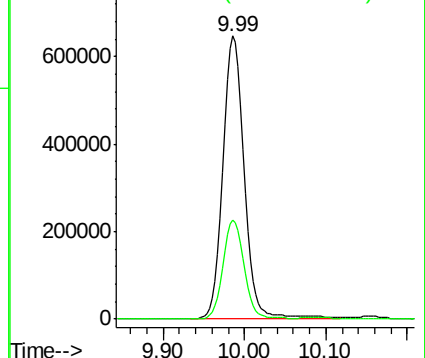
43 100

58 34.8 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.18 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054762.D

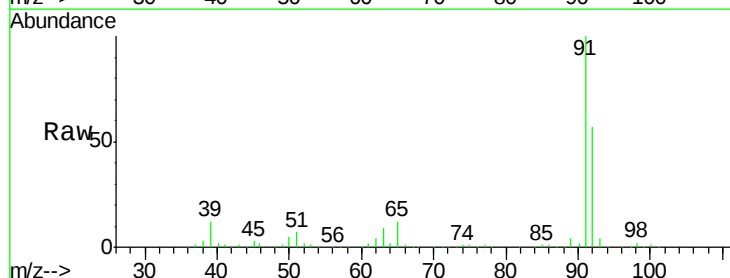
Acq: 29 Mar 2019 11:19

Tgt Ion: 92 Resp: 595685

Ion Ratio Lower Upper

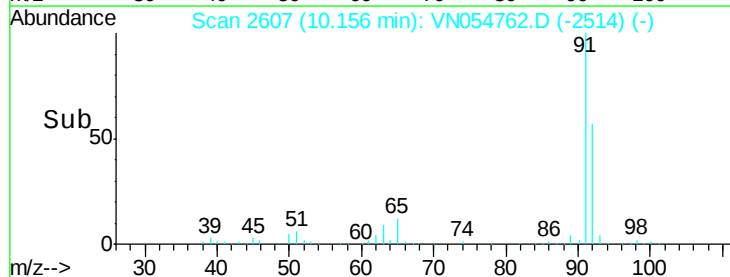
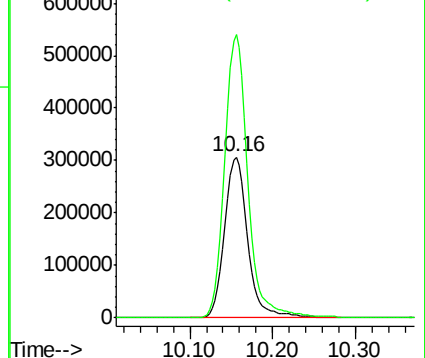
92 100

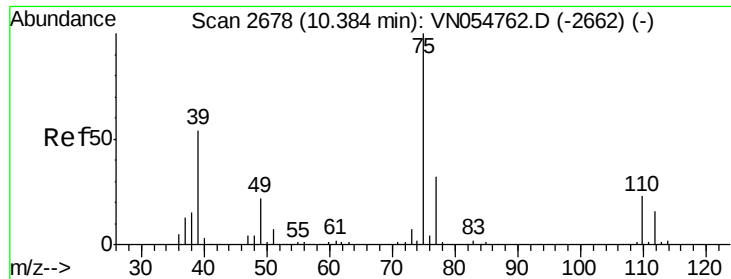
91 176.0 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

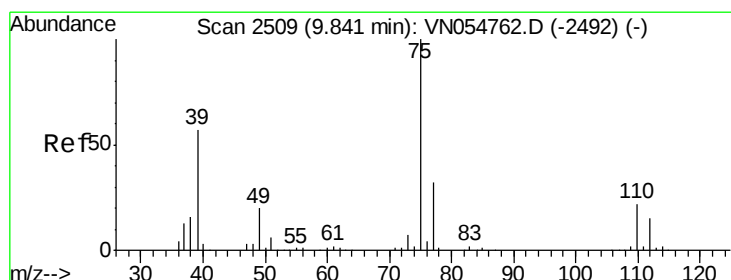
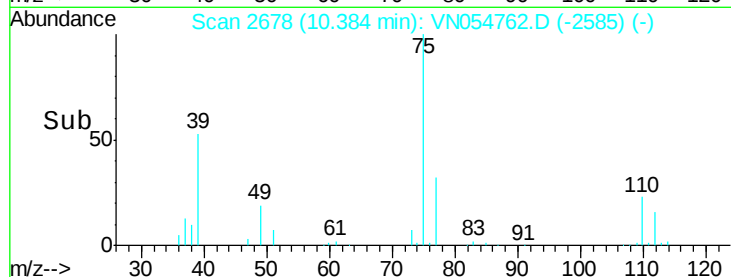
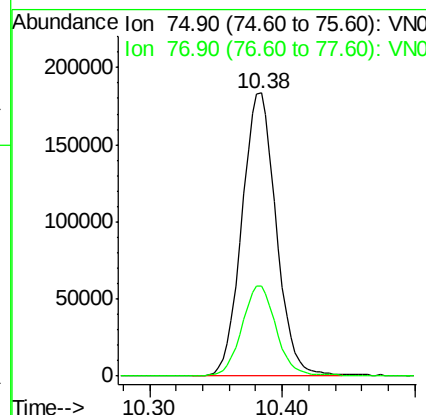
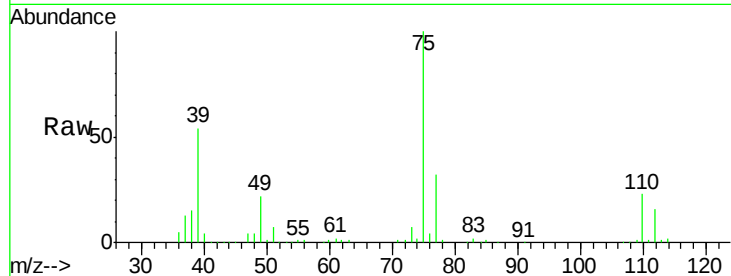




#53
 t-1,3-Dichloropropene
 Concen: 52.70 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN054762.D
 Acq: 29 Mar 2019 11:19

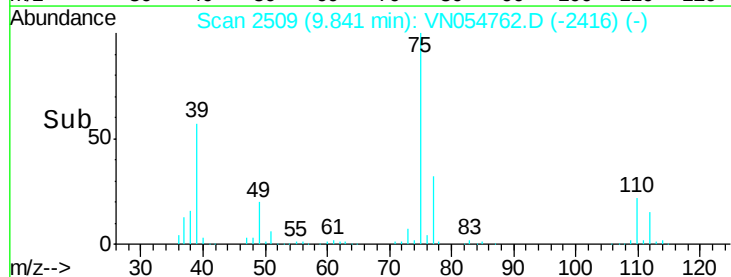
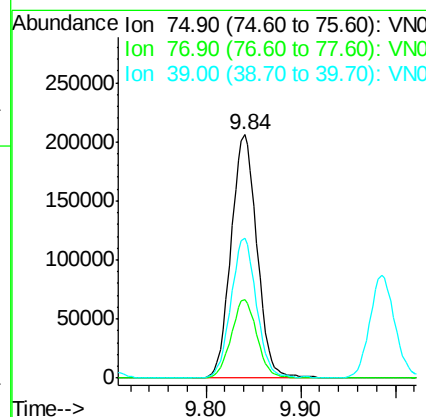
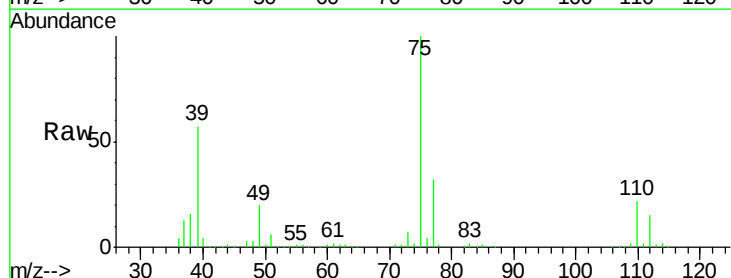
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 329721
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 52.50 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN054762.D
 Acq: 29 Mar 2019 11:19

Tgt Ion: 75 Resp: 392334
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.4 38.0
 39 57.1 37.2 55.8#

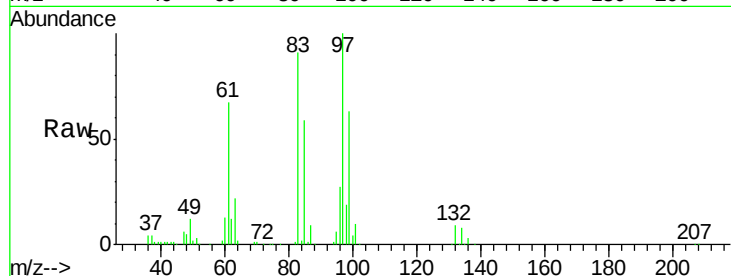




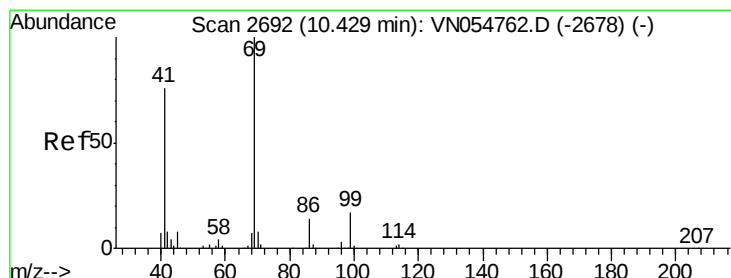
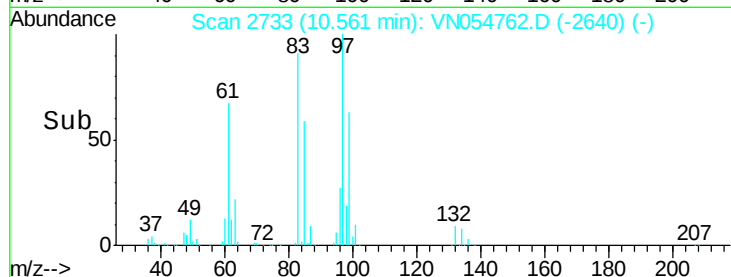
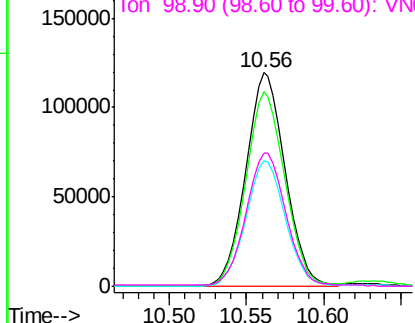
#55
 1,1,2-Trichloroethane
 Concen: 48.03 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054762.D
 Acq: 29 Mar 2019 11:19

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:	97	Resp:	212027
Ion	Ratio	Lower	Upper
97	100		
83	91.1	66.6	100.0
85	58.9	44.4	66.6
99	62.1	50.8	76.2

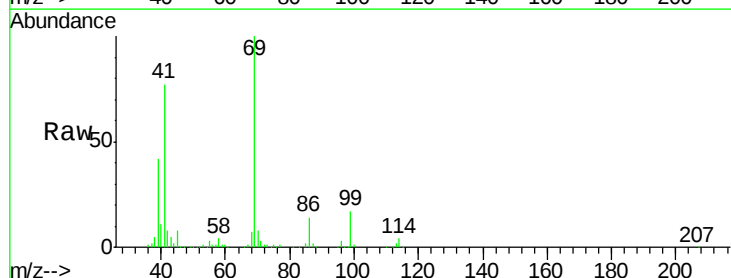


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

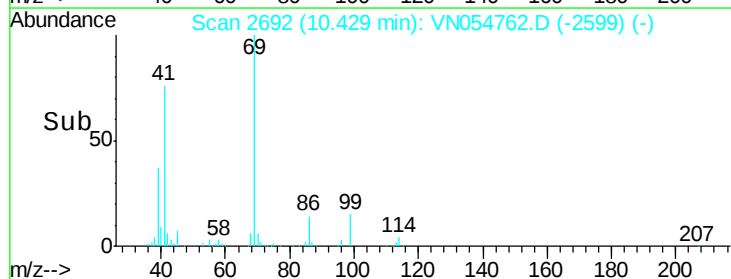
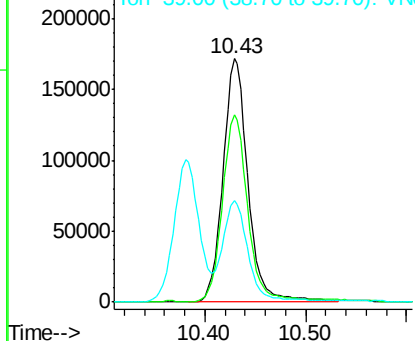


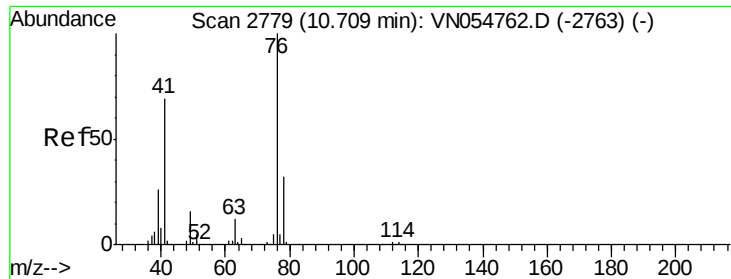
#56
 Ethyl methacrylate
 Concen: 51.47 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054762.D
 Acq: 29 Mar 2019 11:19

Tgt Ion:	69	Resp:	298050
Ion	Ratio	Lower	Upper
69	100		
41	76.3	49.4	74.2#
39	41.6	28.3	42.5



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 50.53 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

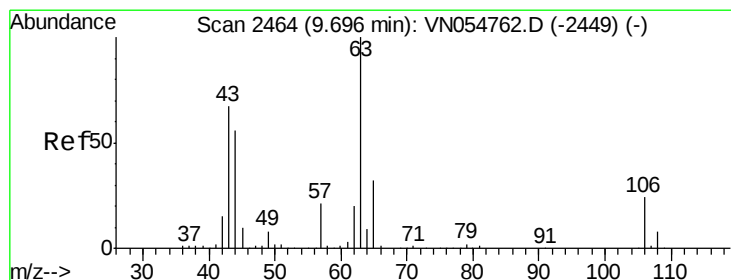
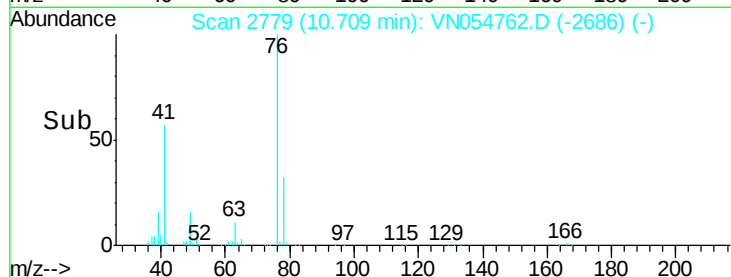
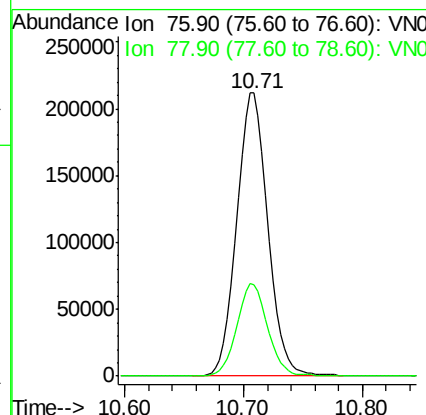
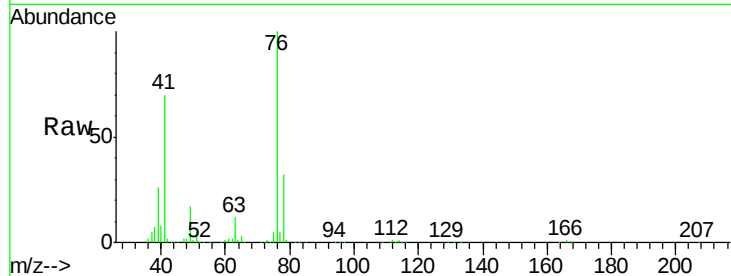
ClientSampled :

Tot Ion: 76 Resp: 383493

Ion Ratio Lower Upper

76 100

78 32.4 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 241.16 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054762.D

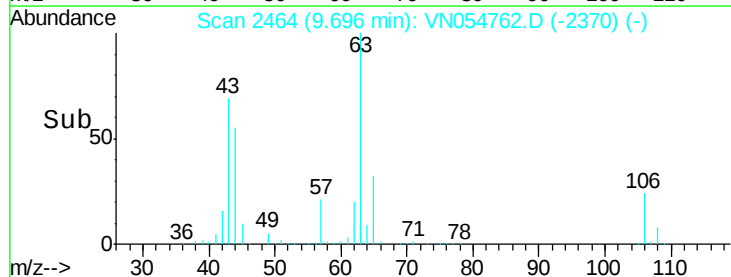
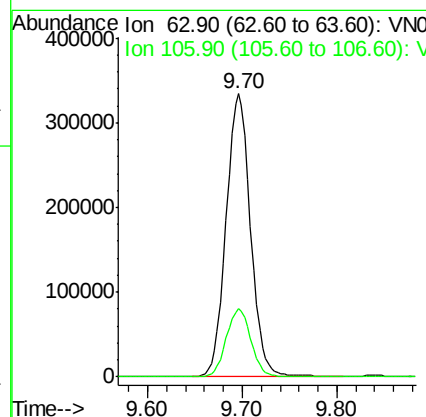
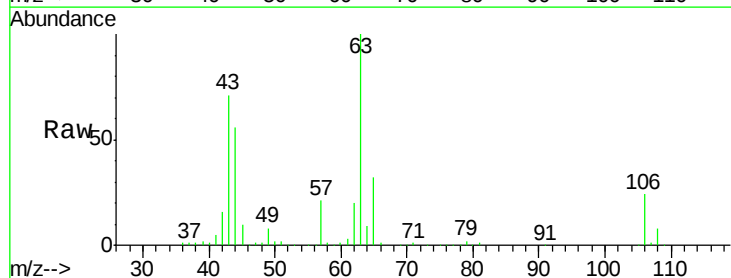
Acq: 29 Mar 2019 11:19

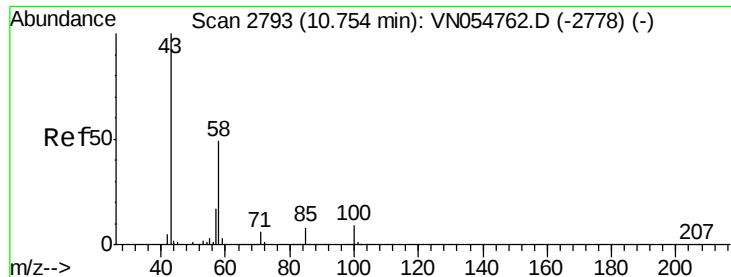
Tgt Ion: 63 Resp: 600593

Ion Ratio Lower Upper

63 100

106 24.3 24.4 36.6#

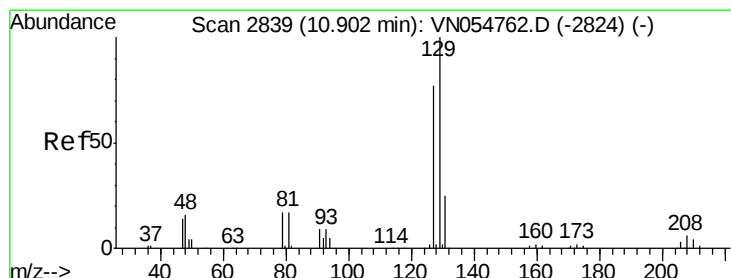
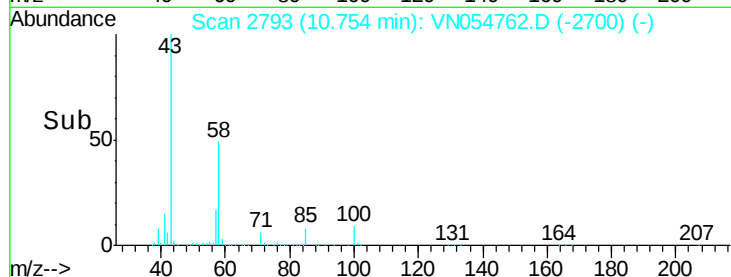
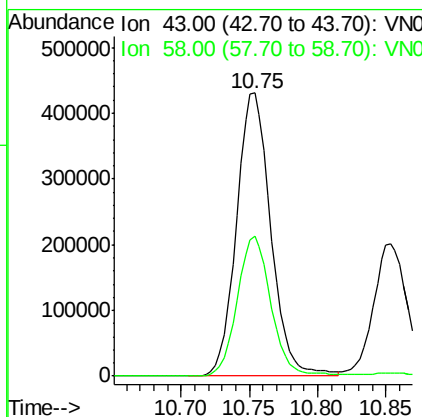
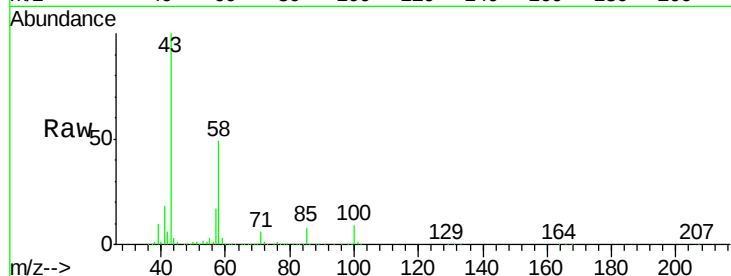




#59
2-Hexanone
Concen: 251.00 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

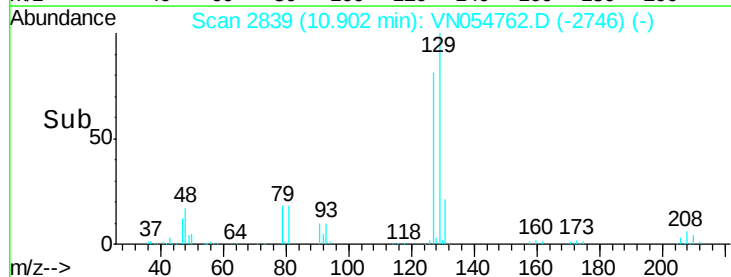
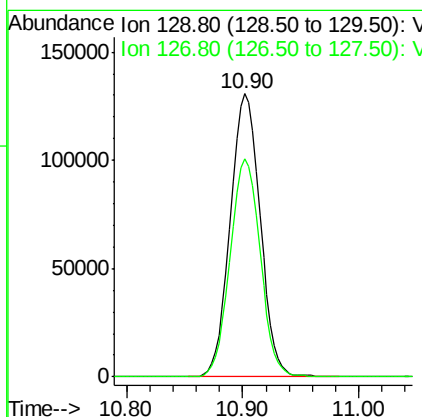
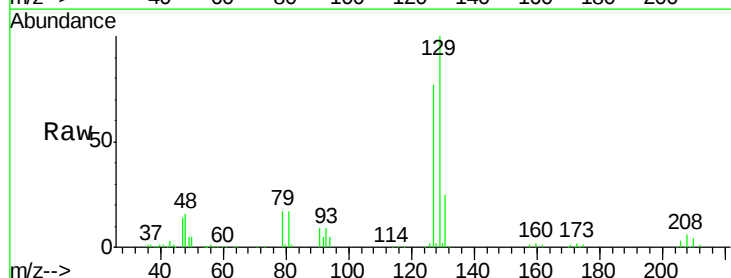
Instrument :
MSVOA_N
ClientSampleId :

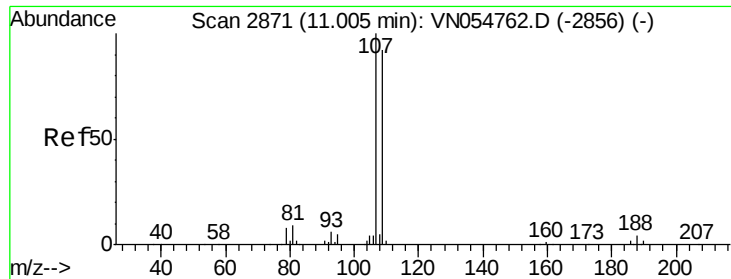
Tot Ion: 43 Resp: 750547
Ion Ratio Lower Upper
43 100
58 48.7 28.0 83.9



#60
Dibromochloromethane
Concen: 52.20 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion: 129 Resp: 233405
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.8





#61

1,2-Dibromoethane

Concen: 50.62 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

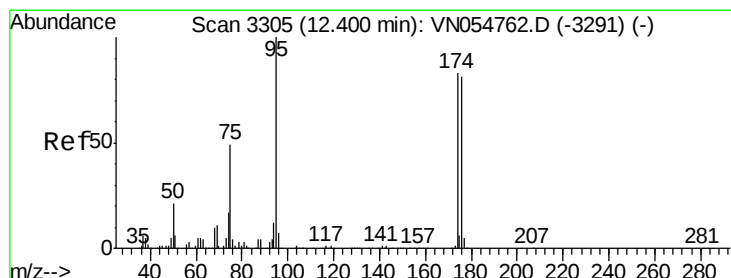
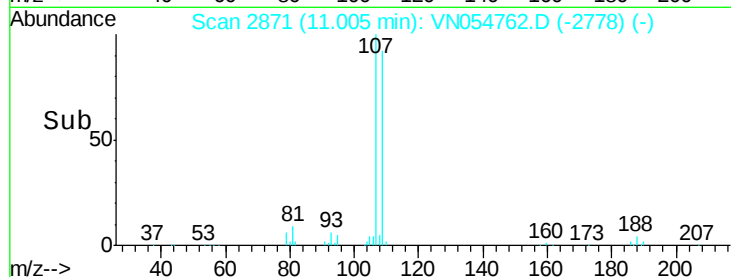
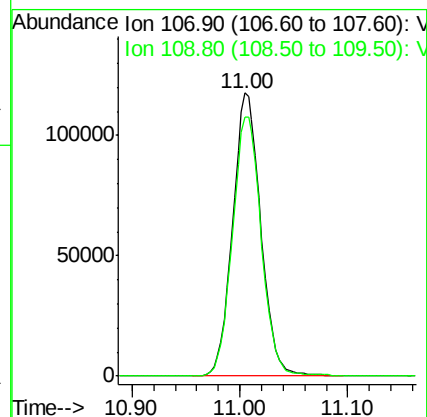
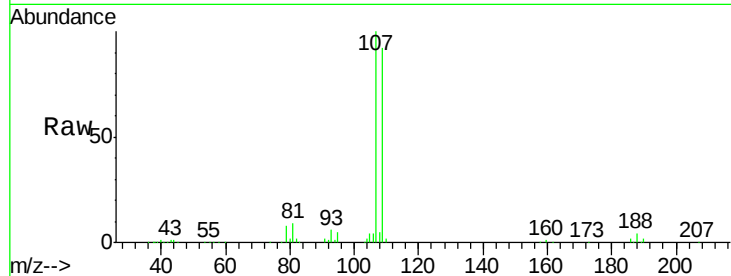
ClientSampled :

Tot Ion:107 Resp: 213539

Ion Ratio Lower Upper

107 100

109 93.9 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 50.60 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

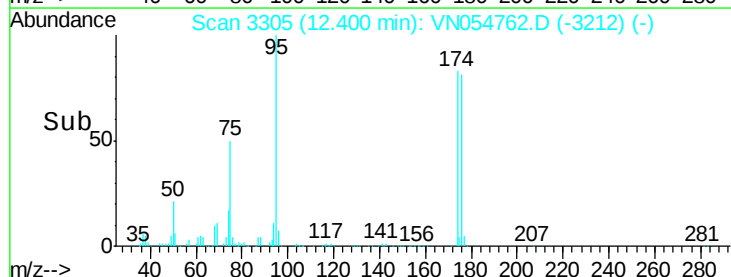
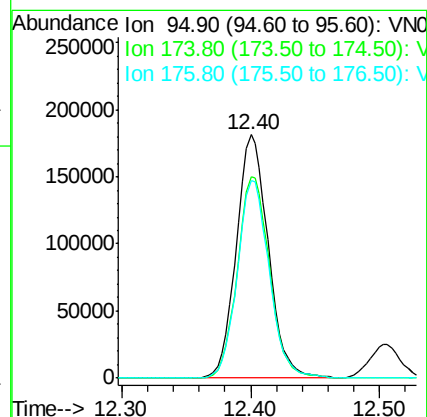
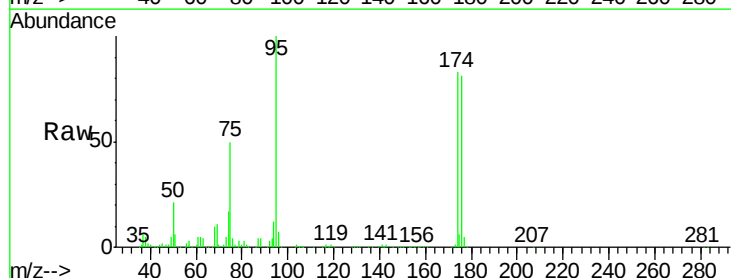
Tgt Ion: 95 Resp: 312140

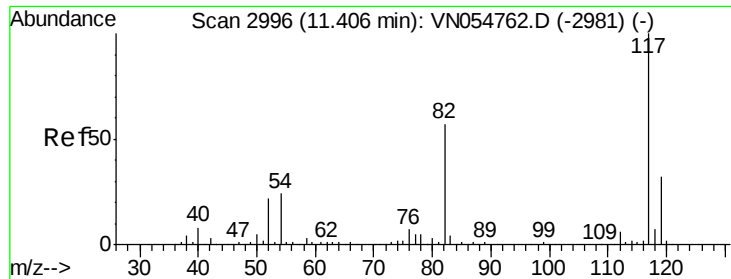
Ion Ratio Lower Upper

95 100

174 83.5 0.0 191.0

176 81.2 0.0 187.4

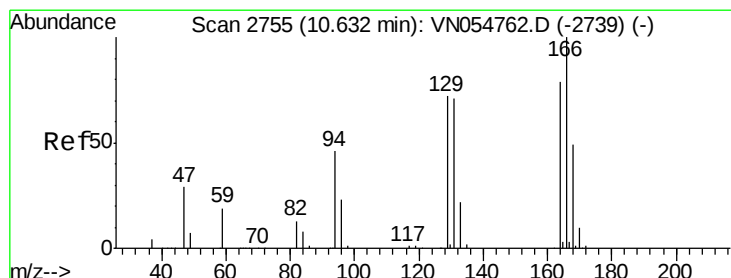
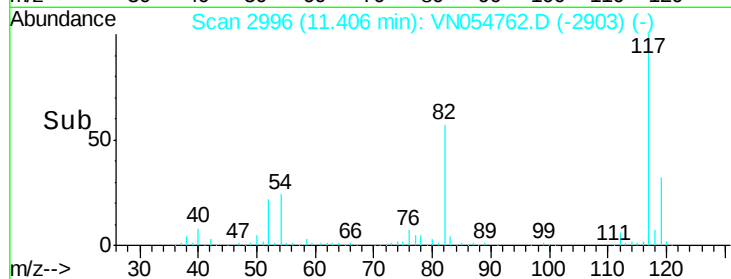
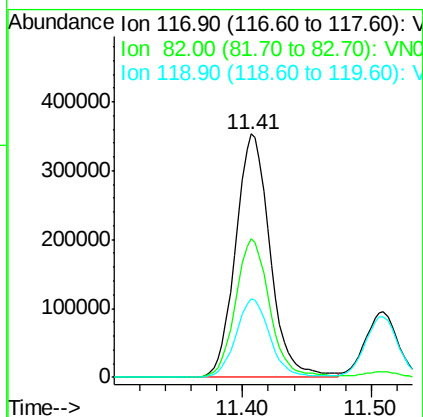
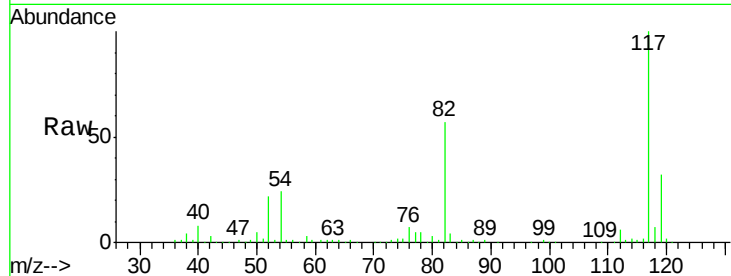




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

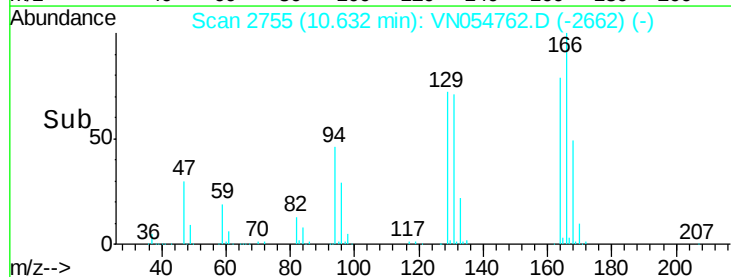
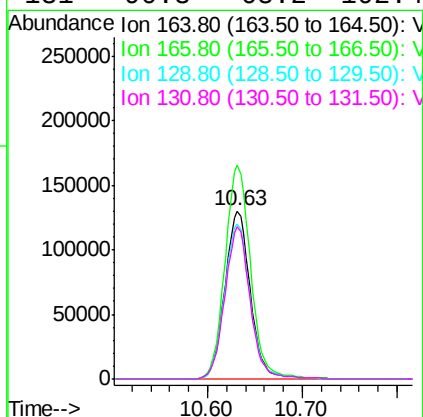
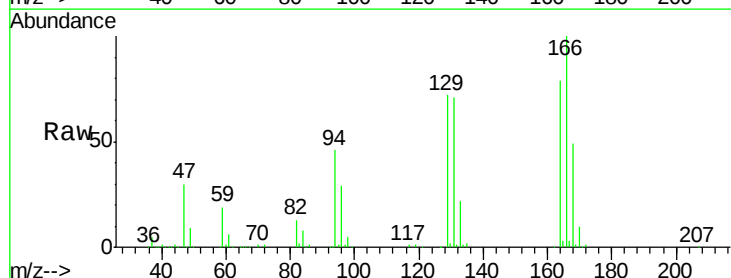
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 656965
Ion Ratio Lower Upper
117 100
82 56.9 40.0 60.0
119 32.1 25.8 38.6



#64
Tetrachloroethene
Concen: 48.22 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion:164 Resp: 243079
Ion Ratio Lower Upper
164 100
166 126.9 103.9 155.9
129 91.9 71.1 106.7
131 90.3 68.2 102.4

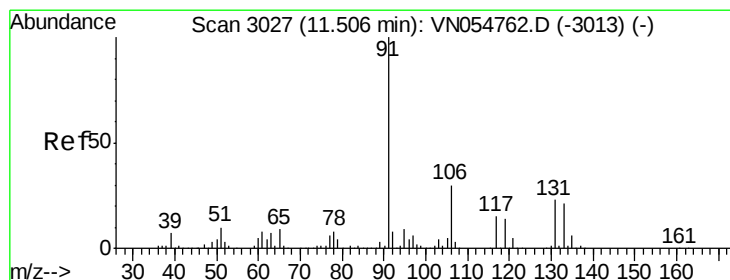
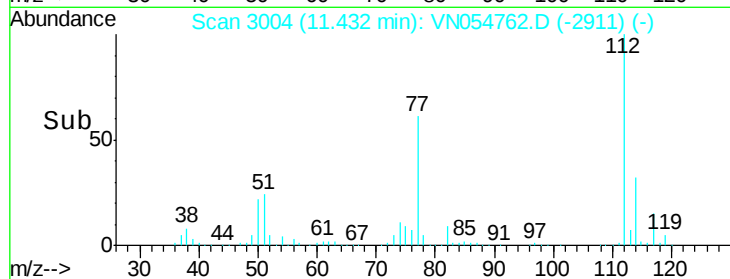
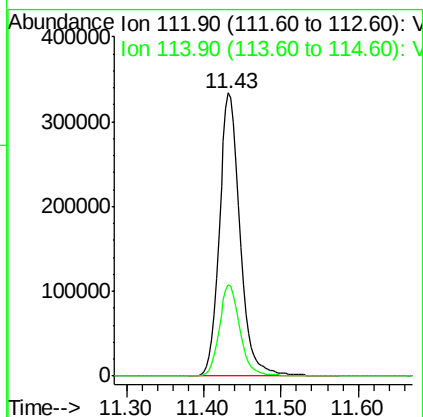
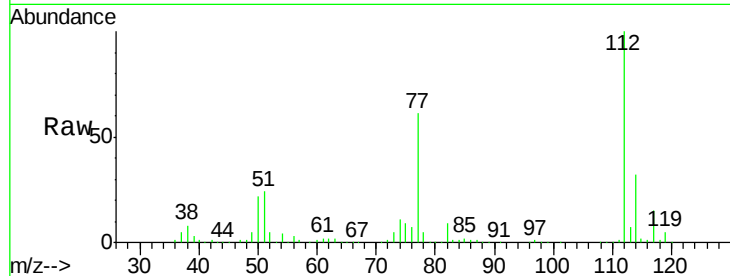




#65
Chlorobenzene
Concen: 48.64 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

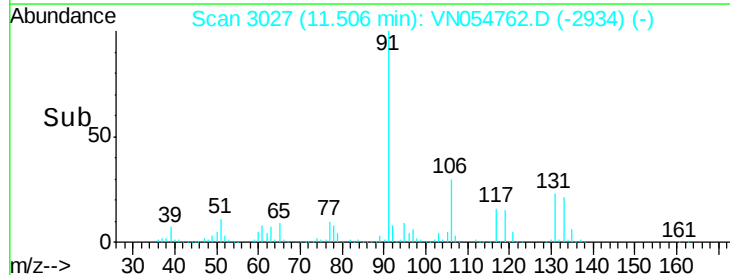
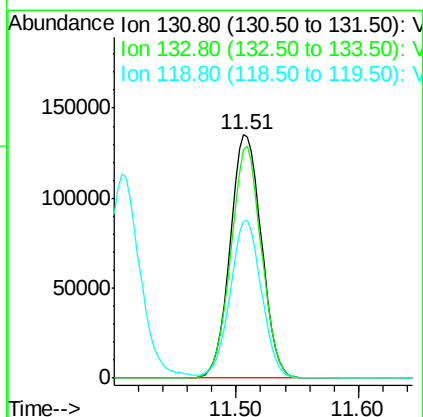
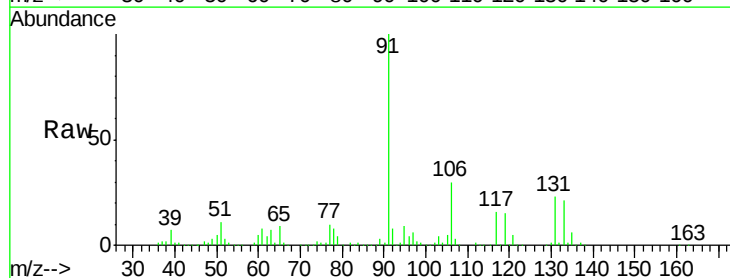
Instrument :
MSVOA_N
ClientSampled :

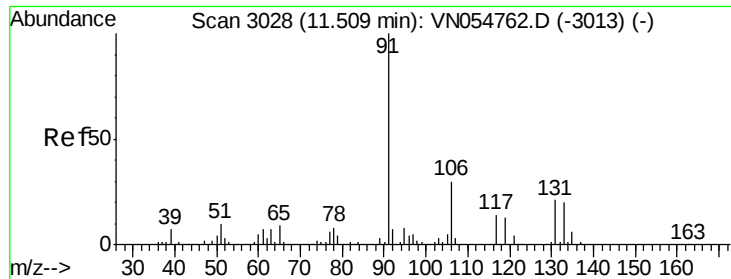
Tot Ion:112 Resp: 625643
Ion Ratio Lower Upper
112 100
114 32.3 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 50.12 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion:131 Resp: 241305
Ion Ratio Lower Upper
131 100
133 93.3 47.6 142.9
119 65.0 32.4 97.0

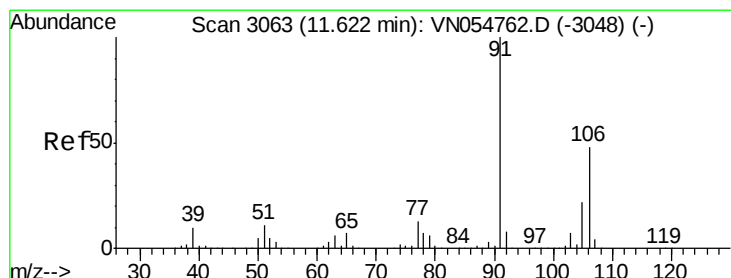
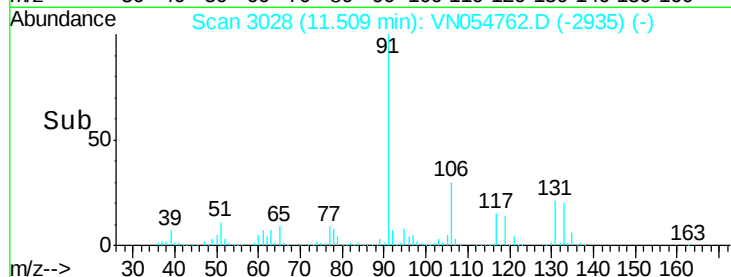
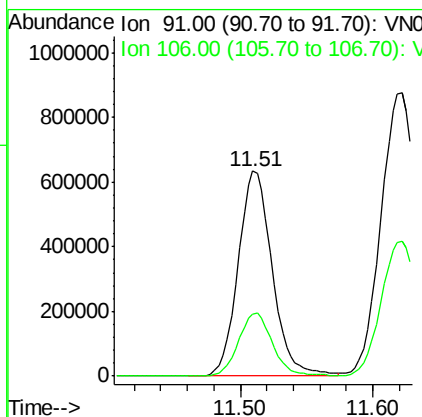
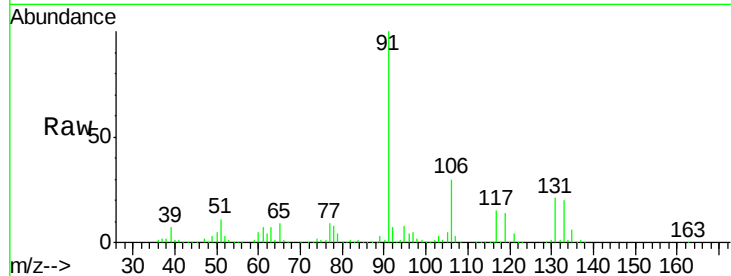




#67
Ethyl Benzene
Concen: 48.93 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

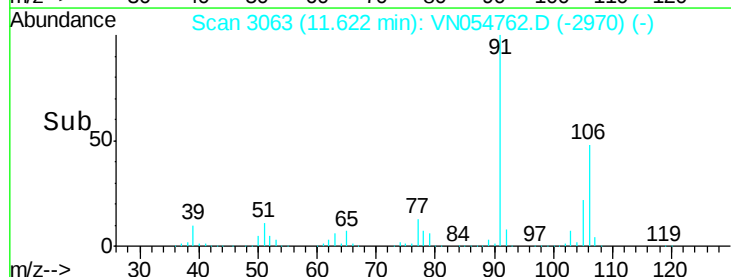
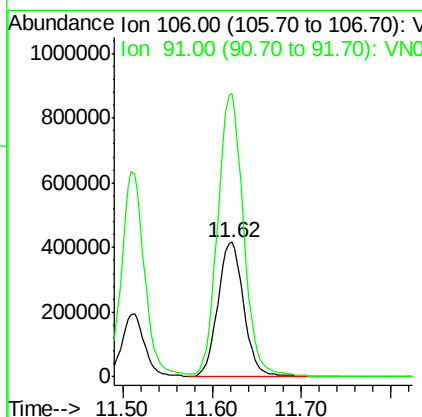
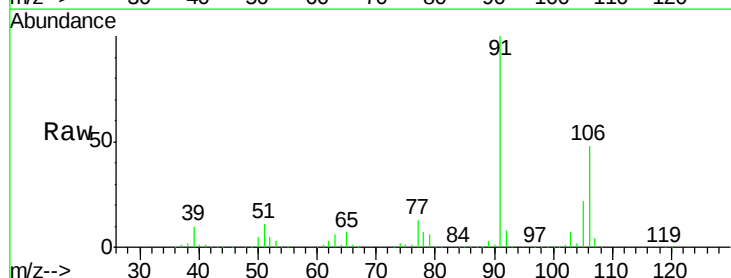
Instrument :
MSVOA_N
ClientSampled :

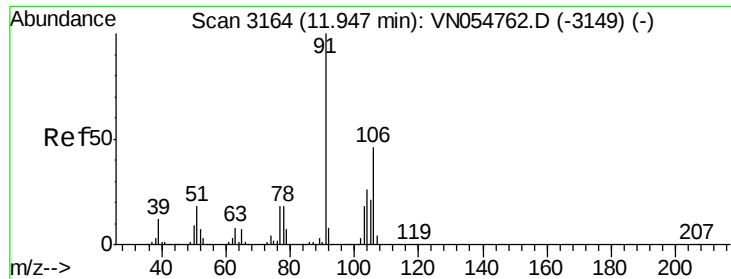
Tot Ion: 91 Resp: 1135619
Ion Ratio Lower Upper
91 100
106 30.4 25.5 38.3



#68
m/p-Xylenes
Concen: 97.94 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion: 106 Resp: 841290
Ion Ratio Lower Upper
106 100
91 209.7 159.4 239.2

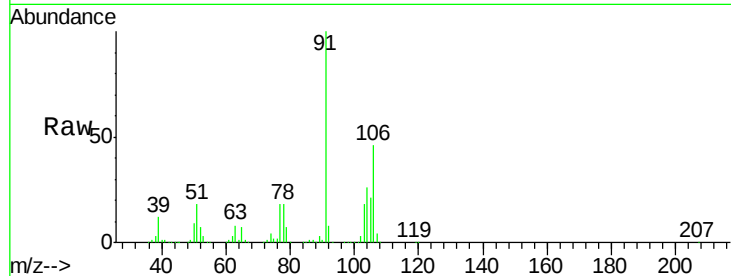




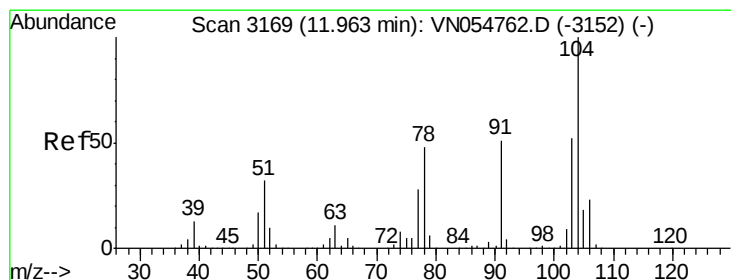
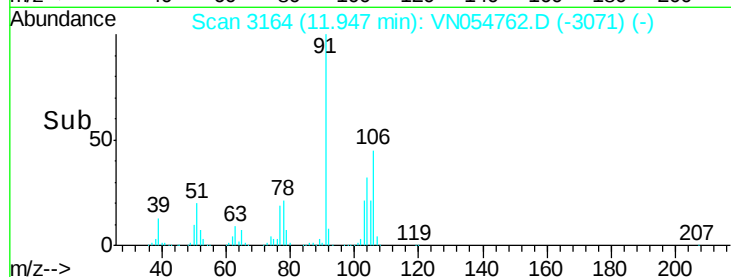
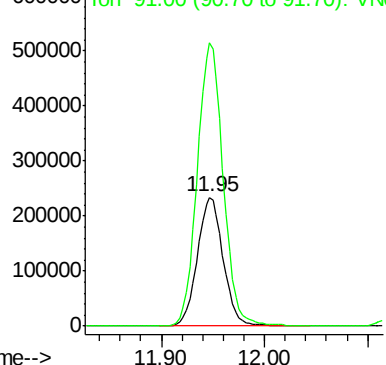
#69
o-Xylene
Concen: 48.41 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 407750
Ion Ratio Lower Upper
106 100
91 220.9 105.7 317.1

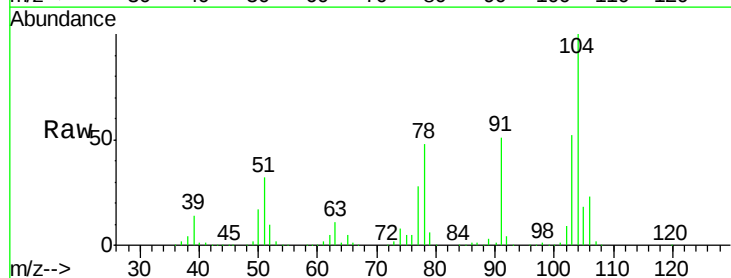


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

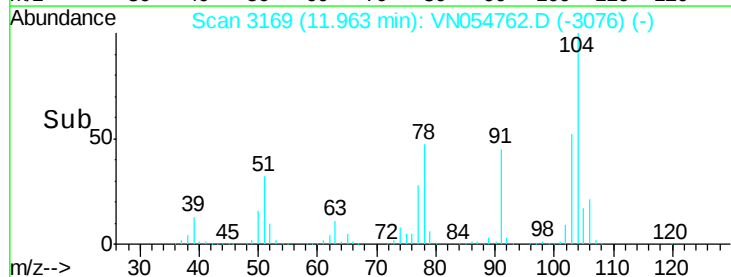
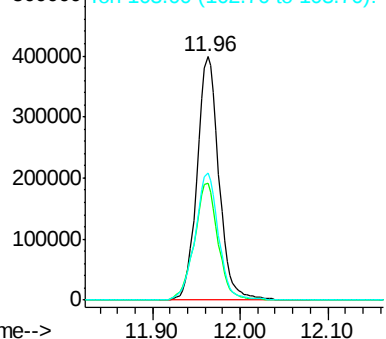


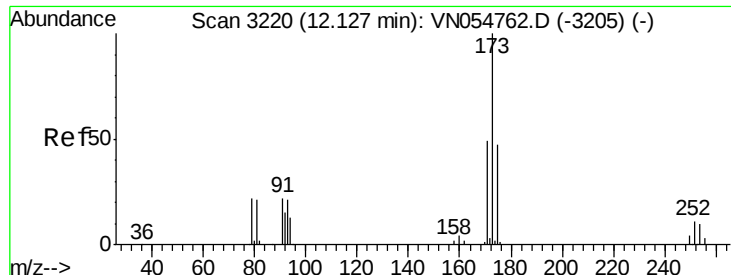
#70
Styrene
Concen: 51.35 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion:104 Resp: 691562
Ion Ratio Lower Upper
104 100
78 52.1 38.2 57.2
103 55.9 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: 51.96 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

ClientSampled :

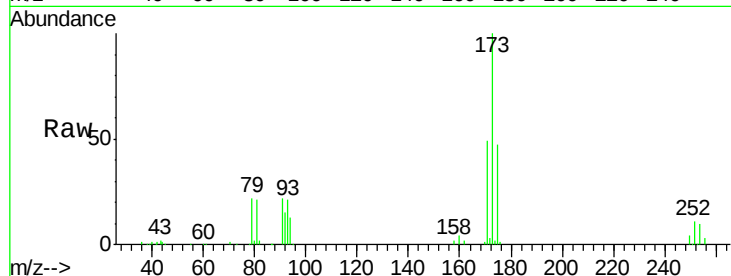
Tot Ion:173 Resp: 146554

Ion Ratio Lower Upper

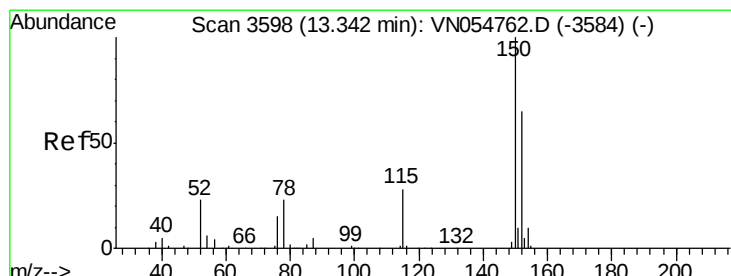
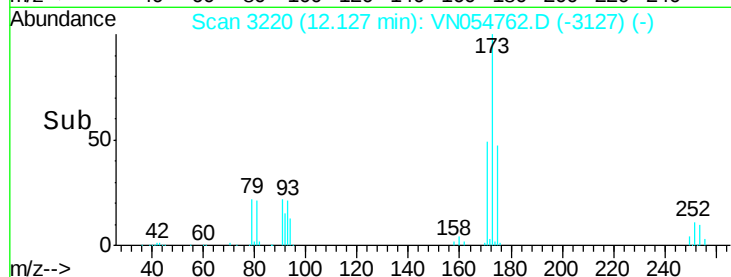
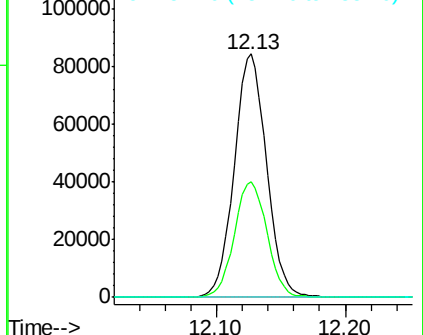
173 100

175 48.0 24.4 73.2

254 0.1 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: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

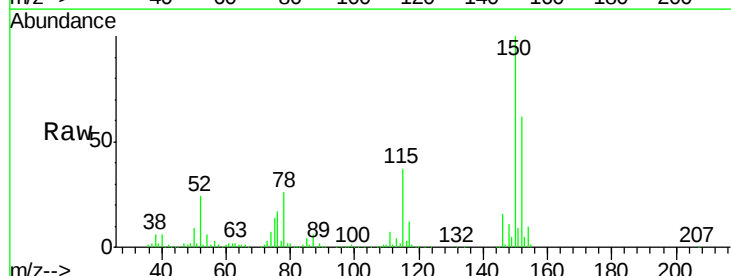
Tgt Ion:152 Resp: 292147

Ion Ratio Lower Upper

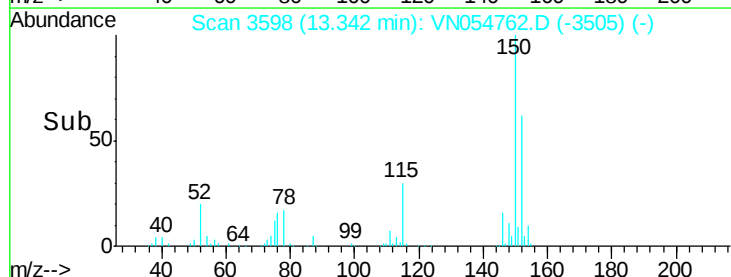
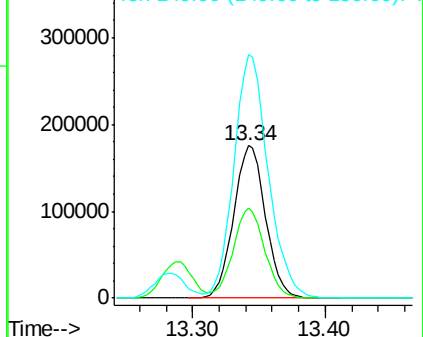
152 100

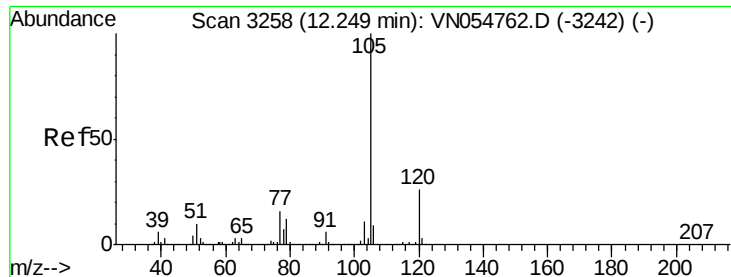
115 58.3 27.2 81.6

150 172.8 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: 45.62 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

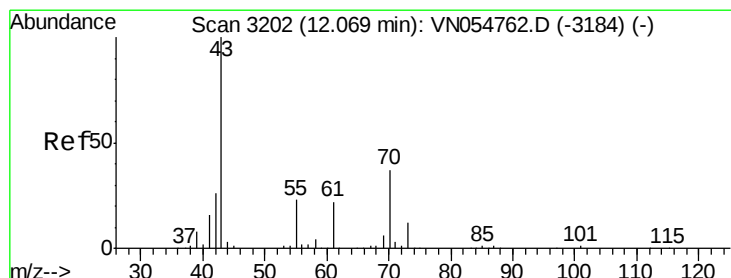
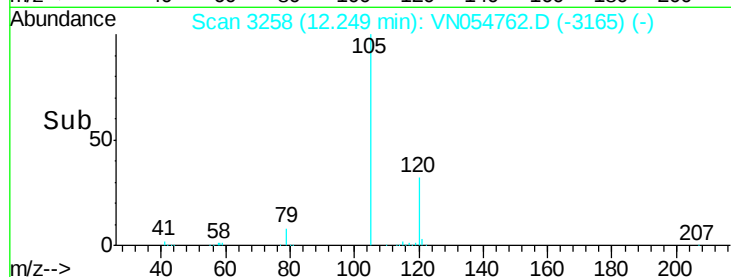
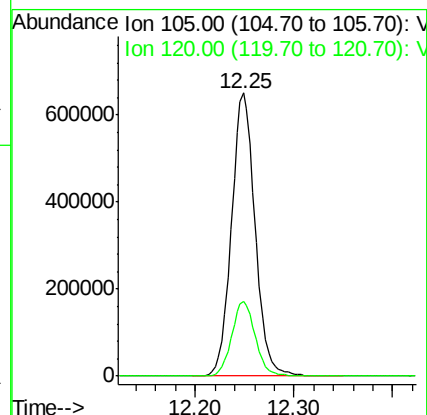
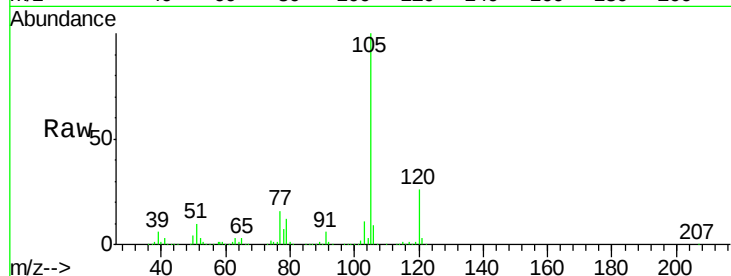
ClientSampled :

Tot Ion:105 Resp: 1089278

Ion Ratio Lower Upper

105 100

120 26.4 13.8 41.3



#74

N-ethyl acetate

Concen: 48.21 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Tgt Ion: 43 Resp: 358664

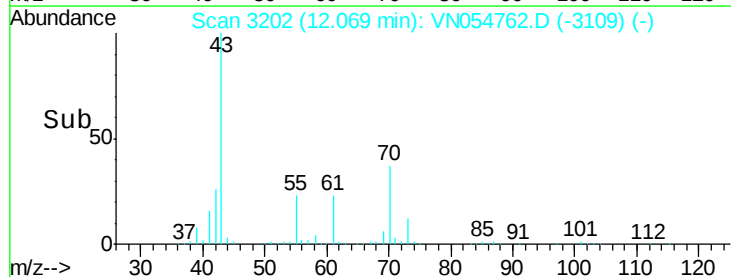
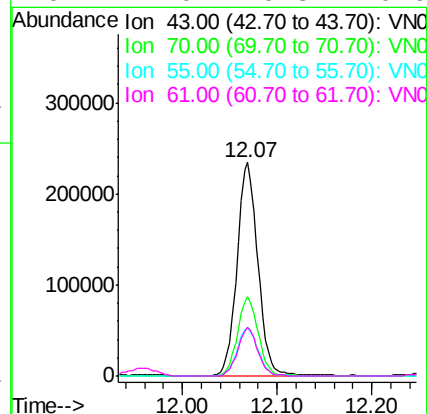
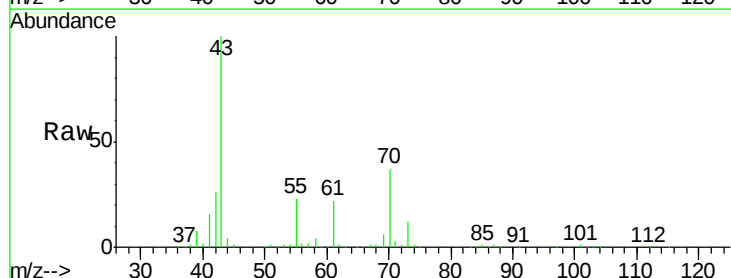
Ion Ratio Lower Upper

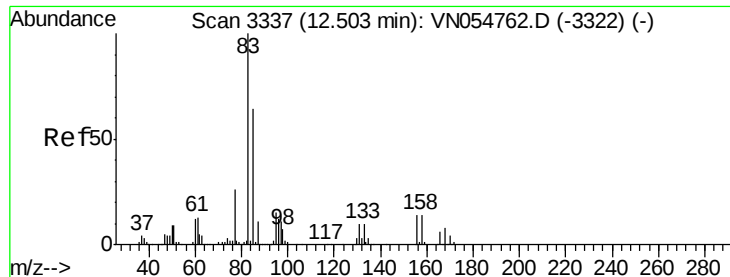
43 100

70 37.1 35.4 53.0

55 23.0 19.8 29.6

61 22.0 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.11 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

ClientSampleId :

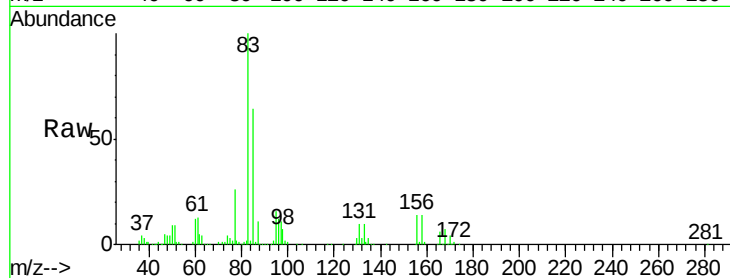
Tot Ion: 83 Resp: 263770

Ion Ratio Lower Upper

83 100

131 10.1 5.8 17.4

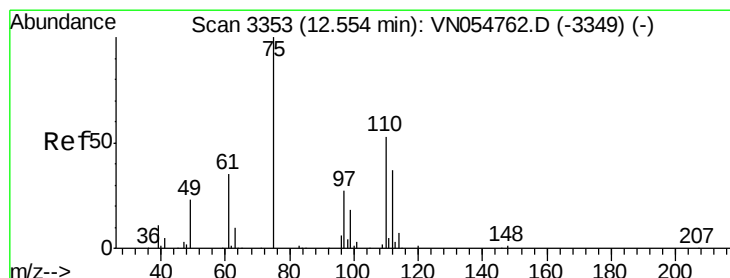
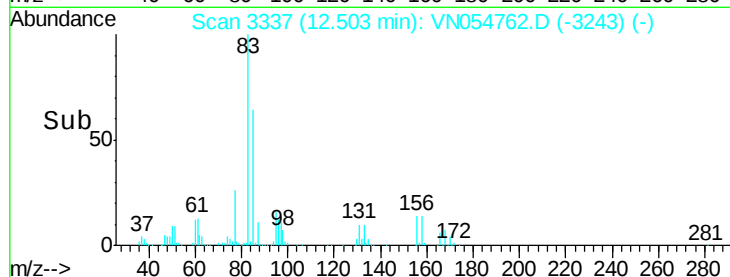
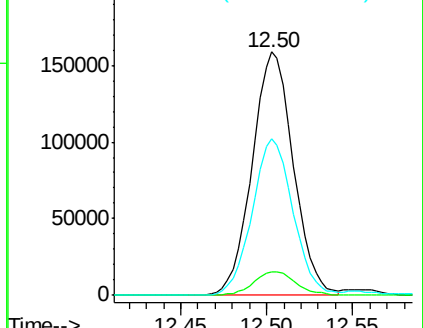
85 63.5 32.2 96.6



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: 76.74 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054762.D

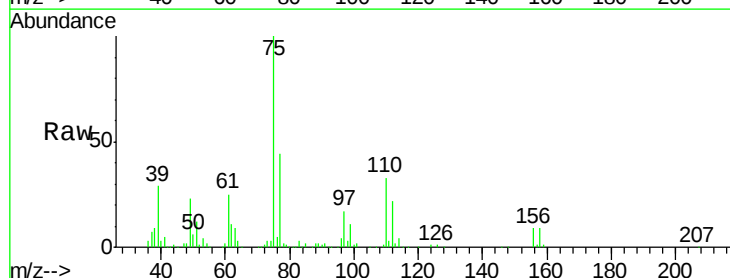
Acq: 29 Mar 2019 11:19

Tgt Ion: 75 Resp: 322055

Ion Ratio Lower Upper

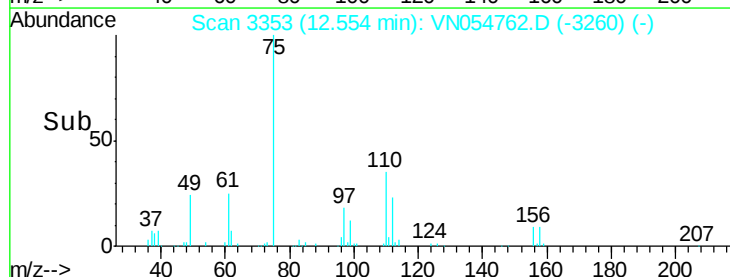
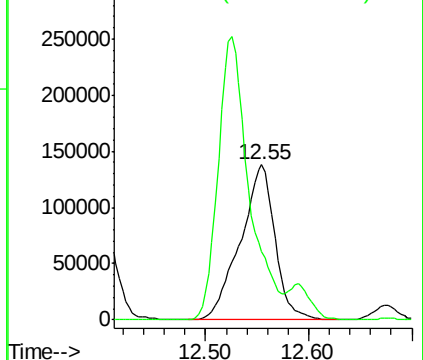
75 100

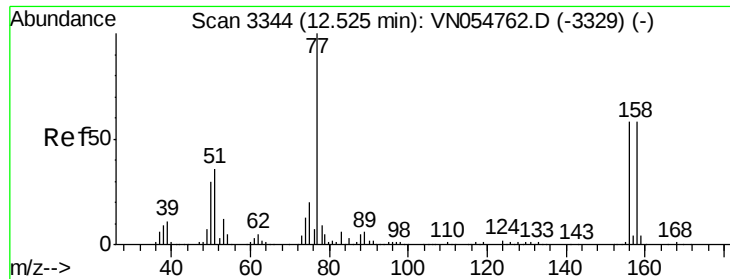
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 46.60 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

ClientSampled :

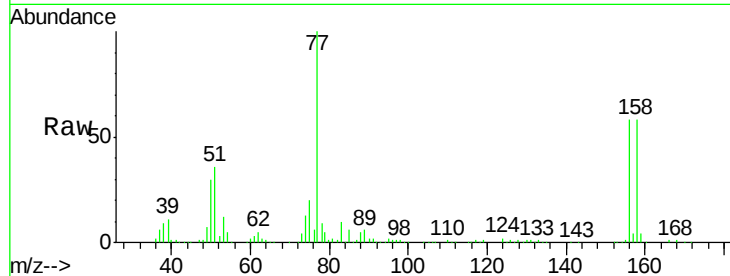
Tot Ion:156 Resp: 268550

Ion Ratio Lower Upper

156 100

77 195.4 81.5 244.4

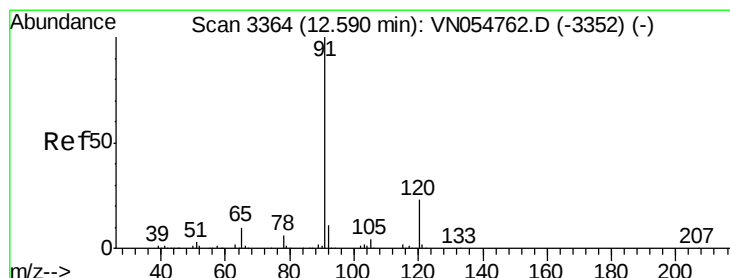
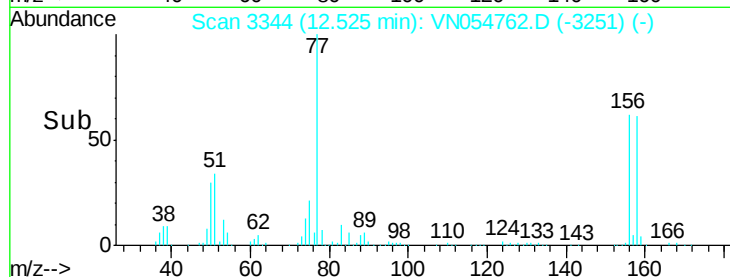
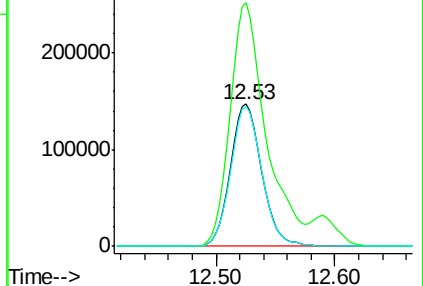
158 97.8 49.0 147.2



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: 47.27 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054762.D

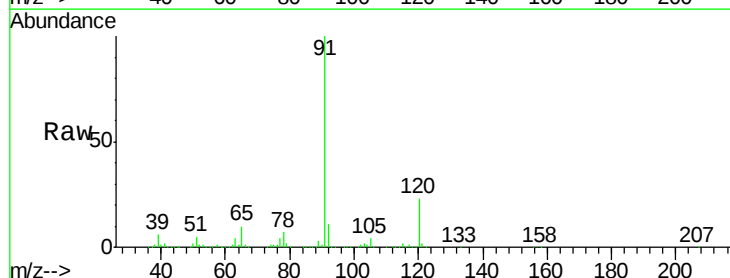
Acq: 29 Mar 2019 11:19

Tgt Ion: 91 Resp: 1240551

Ion Ratio Lower Upper

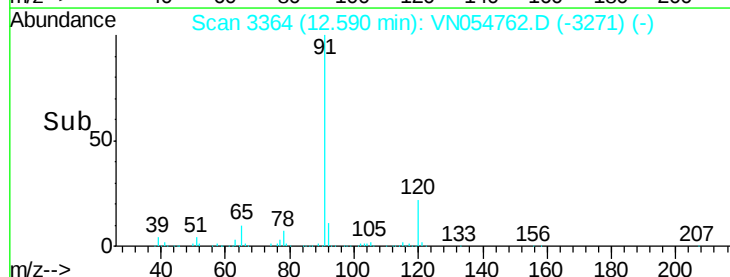
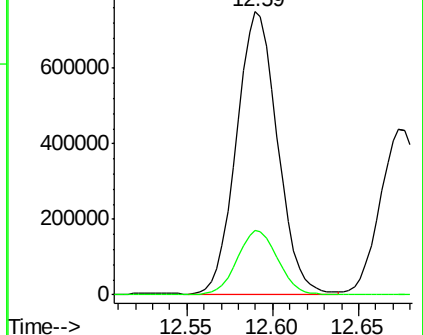
91 100

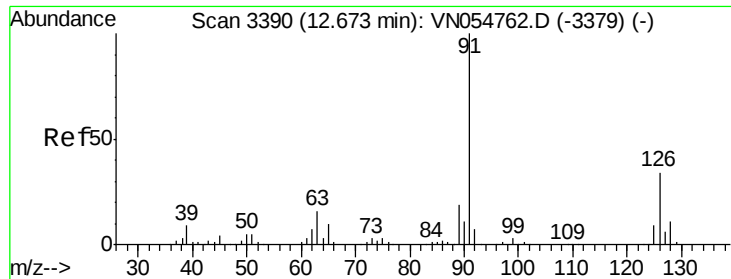
120 22.8 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

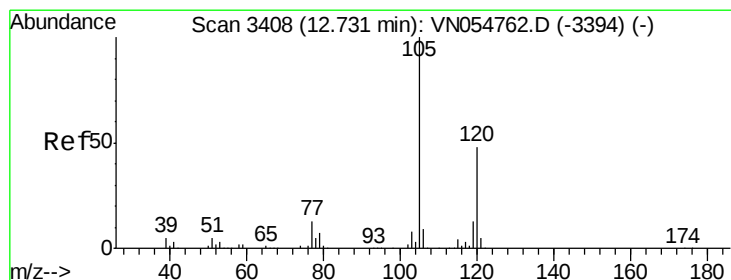
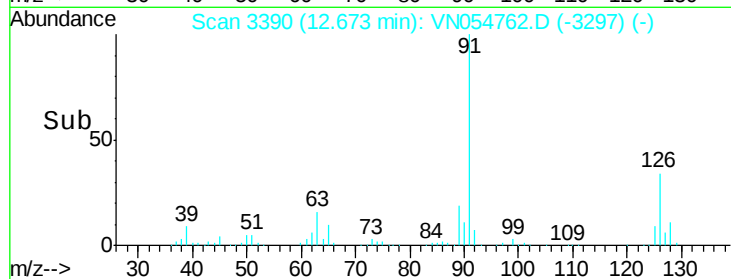
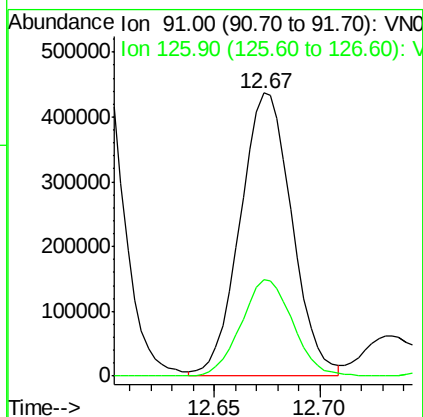
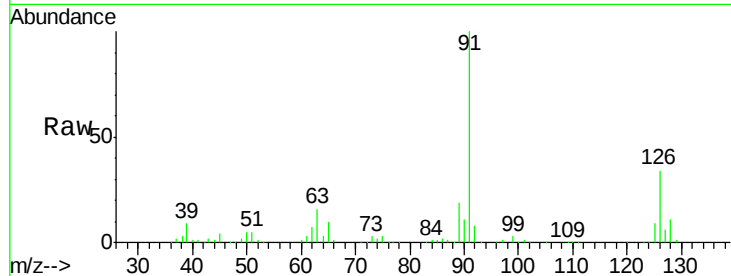




#79
2-Chlorotoluene
Concen: 45.63 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

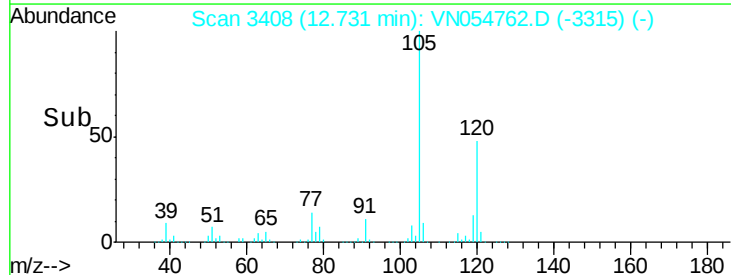
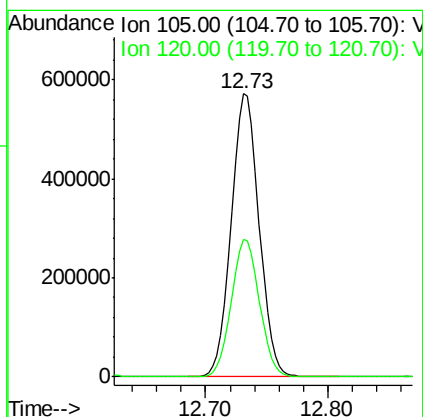
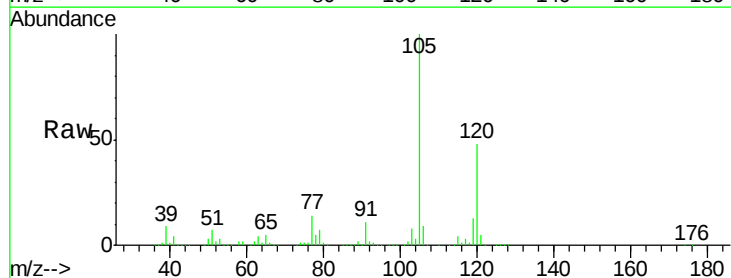
Instrument :
MSVOA_N
ClientSampleId :

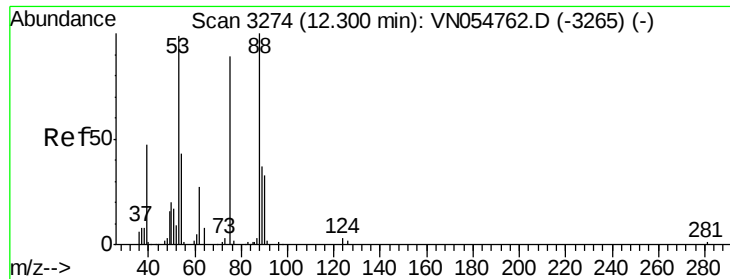
Tot Ion: 91 Resp: 740865
Ion Ratio Lower Upper
91 100
126 34.3 18.7 56.1



#80
1,3,5-Trimethylbenzene
Concen: 46.43 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion: 105 Resp: 909649
Ion Ratio Lower Upper
105 100
120 48.9 25.0 75.0

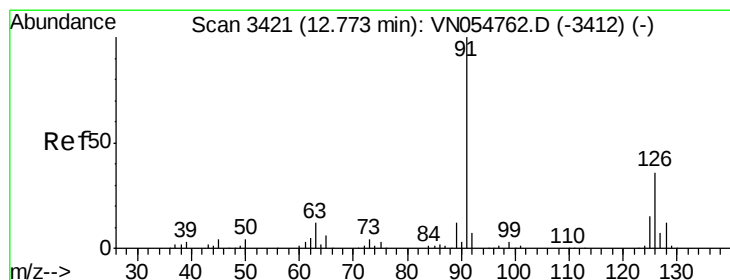
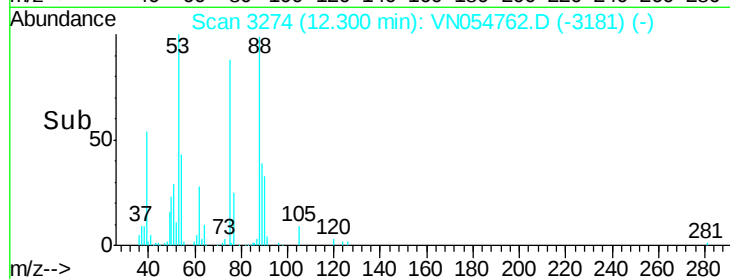
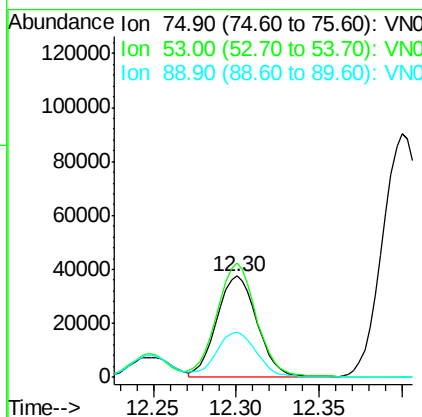
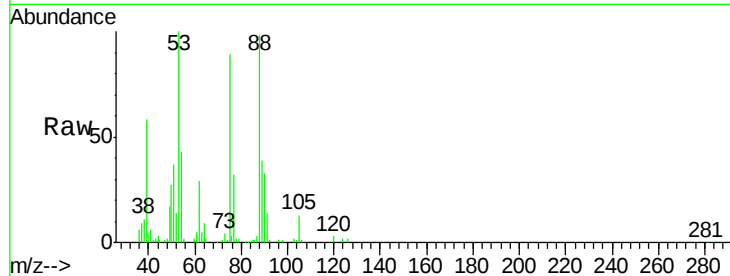




#81
trans-1,4-Dichloro-2-butene
Concen: 47.57 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

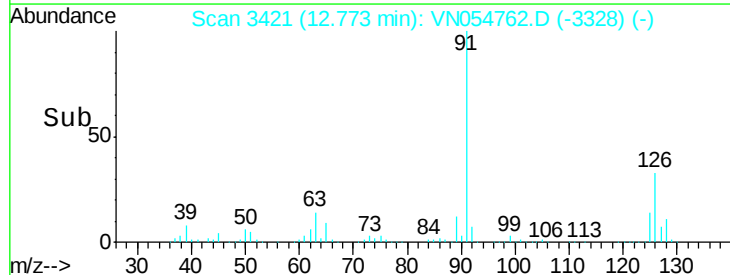
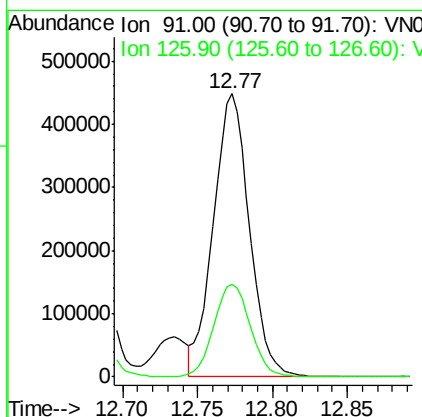
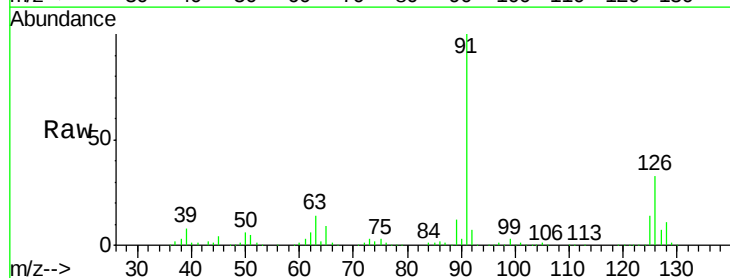
Instrument :
MSVOA_N
ClientSampled :

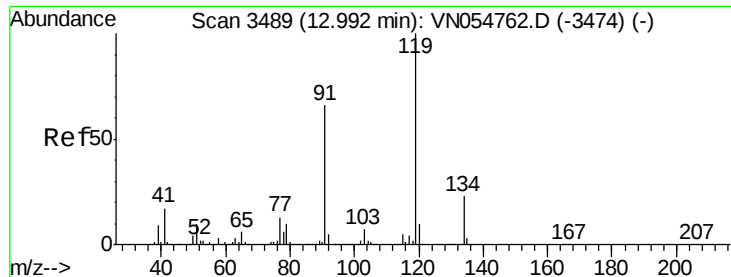
Tot Ion: 75 Resp: 62068
Ion Ratio Lower Upper
75 100
53 115.3 76.2 114.2#
89 46.3 39.2 58.8



#82
4-Chlorotoluene
Concen: 47.60 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion: 91 Resp: 750752
Ion Ratio Lower Upper
91 100
126 33.3 18.1 54.1

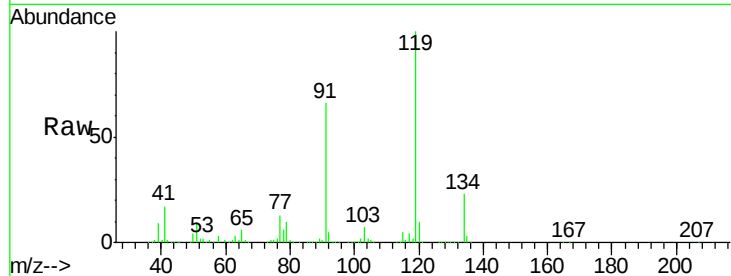




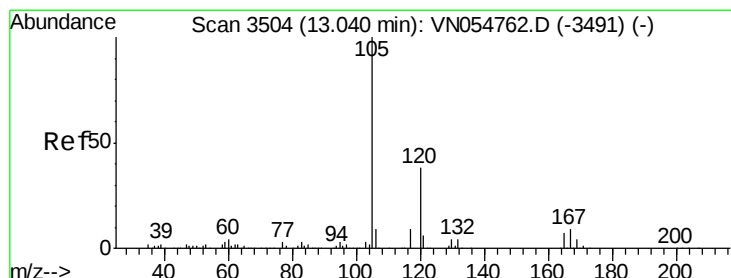
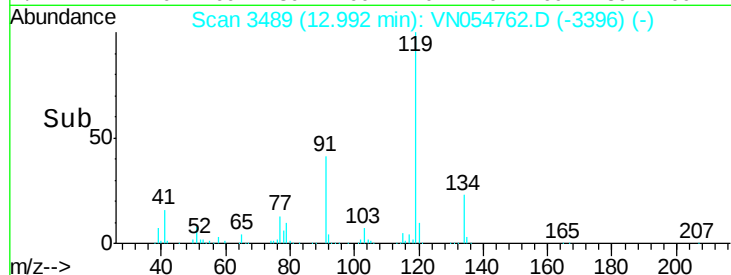
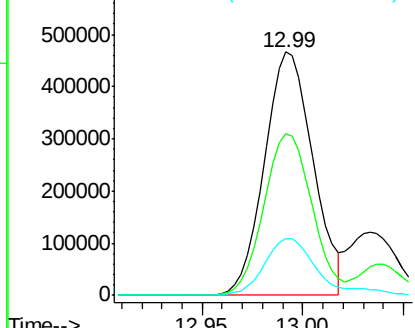
#83
 tert-Butylbenzene
 Concen: 51.36 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054762.D
 Acq: 29 Mar 2019 11:19

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:119 Resp: 778864
 Ion Ratio Lower Upper
 119 100
 91 66.0 30.9 92.8
 134 25.6 13.2 39.6

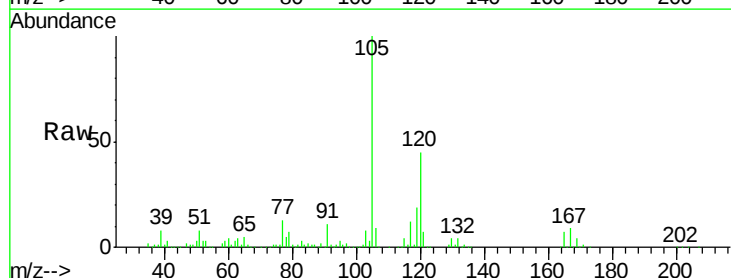


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

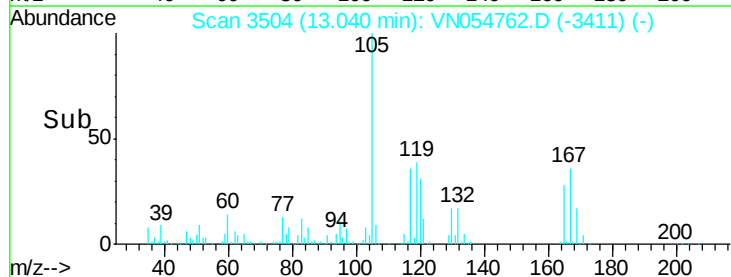
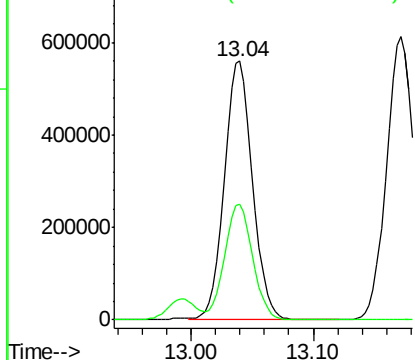


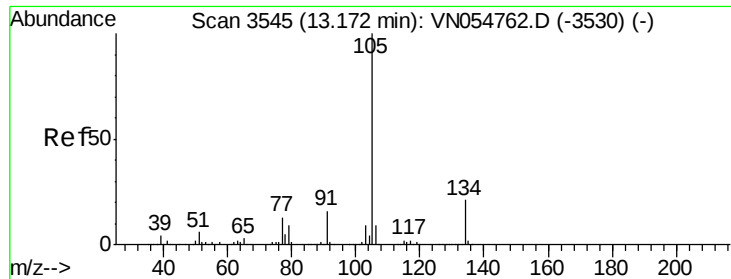
#84
 1,2,4-Trimethylbenzene
 Concen: 48.45 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054762.D
 Acq: 29 Mar 2019 11:19

Tgt Ion:105 Resp: 904367
 Ion Ratio Lower Upper
 105 100
 120 44.9 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: 46.19 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

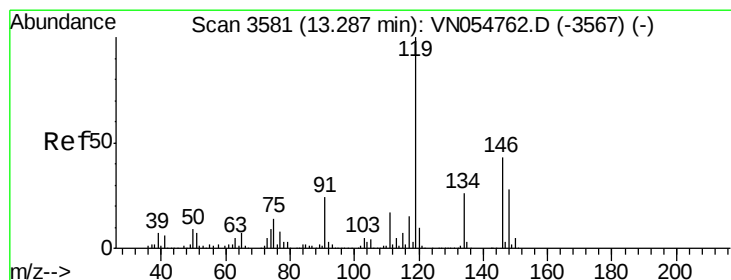
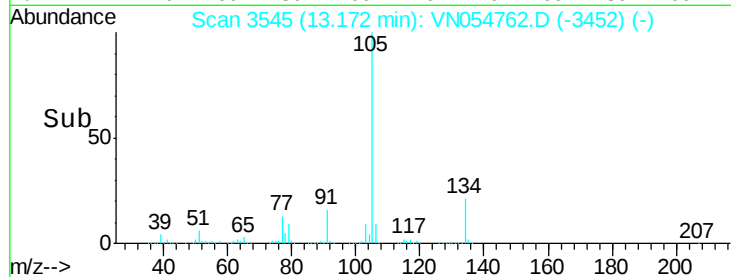
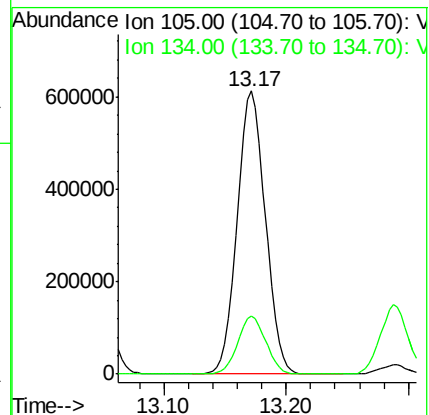
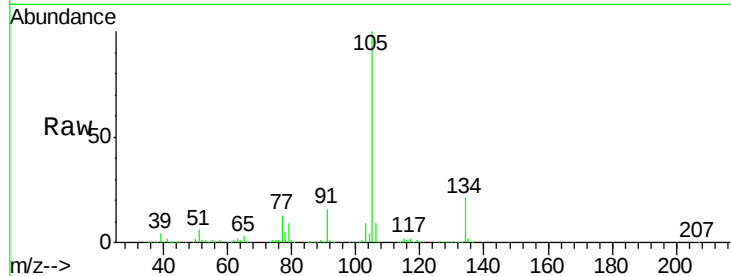
ClientSampleId :

Tot Ion:105 Resp: 983163

Ion Ratio Lower Upper

105 100

134 20.4 10.7 32.1



#86

p-Isopropyltoluene

Concen: 47.34 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

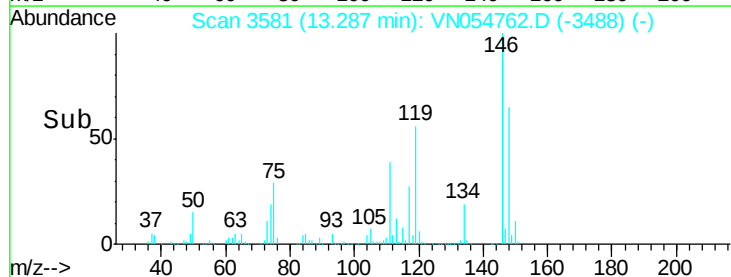
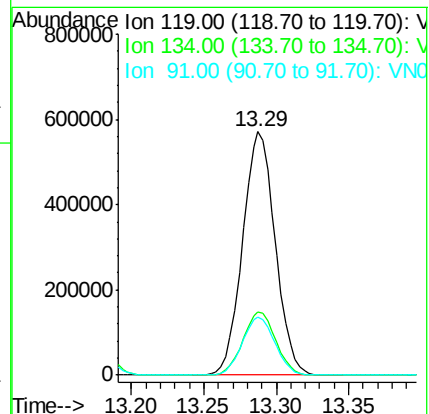
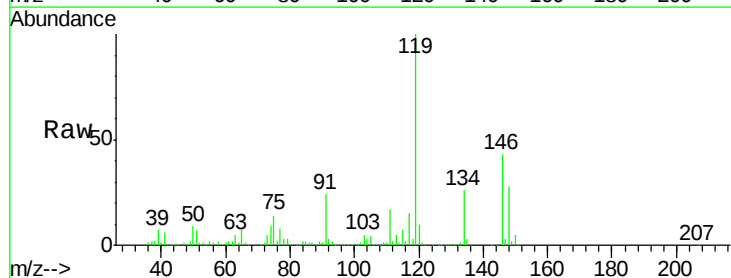
Tgt Ion:119 Resp: 888798

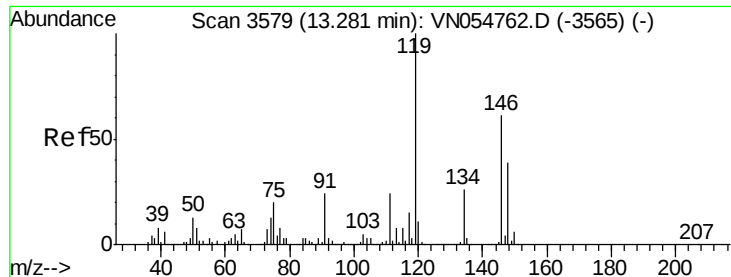
Ion Ratio Lower Upper

119 100

134 26.3 13.6 40.8

91 24.2 11.1 33.3

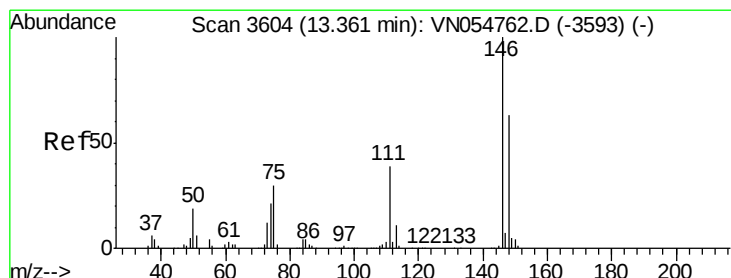
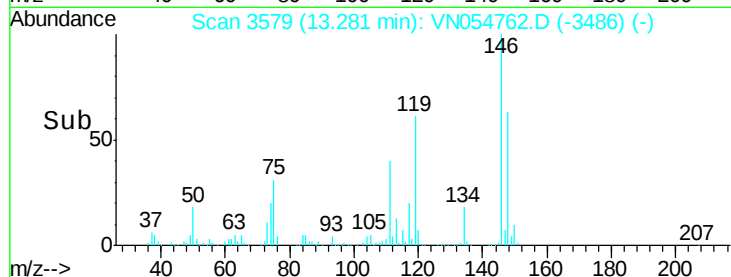
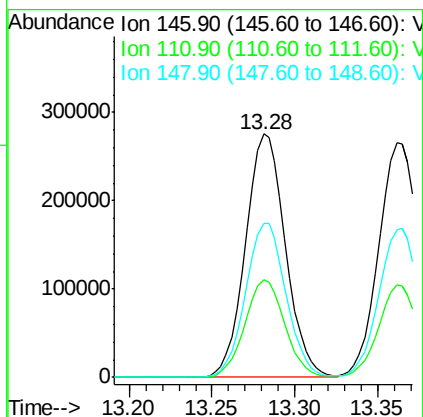
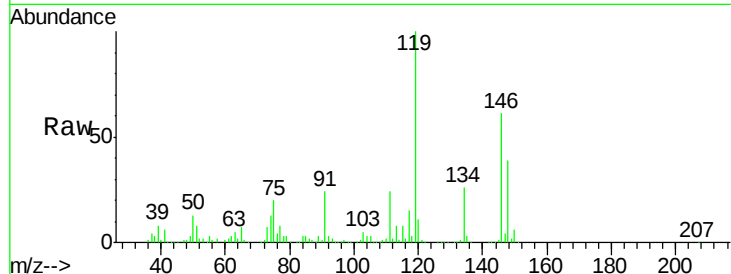




#87
 1,3-Dichlorobenzene
 Concen: 47.84 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054762.D
 Acq: 29 Mar 2019 11:19

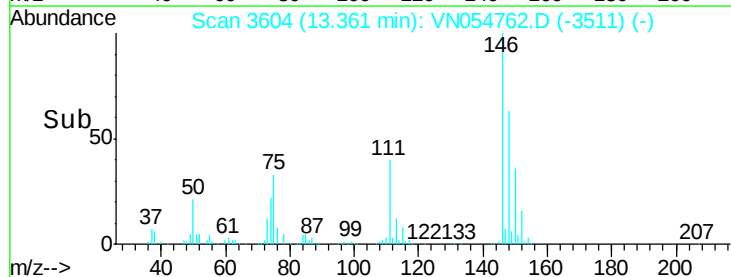
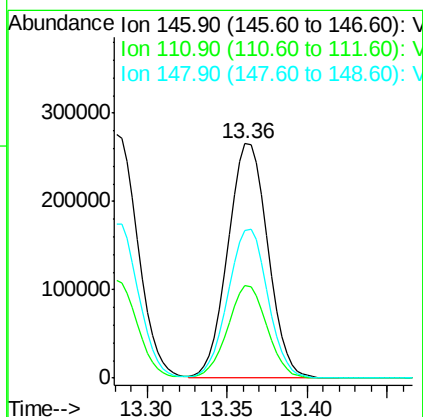
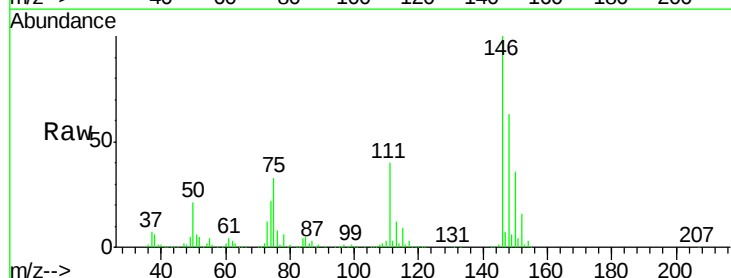
Instrument :
 MSVOA_N
 ClientSampled :

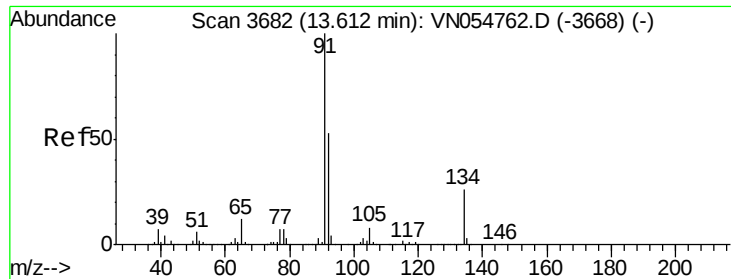
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	18.8	56.3
148	64.2	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 47.76 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054762.D
 Acq: 29 Mar 2019 11:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.1	54.1
148	63.5	32.0	96.0

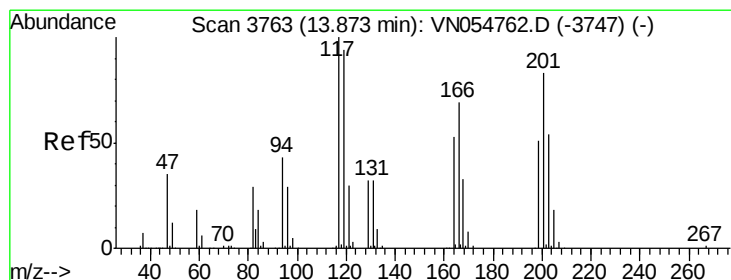
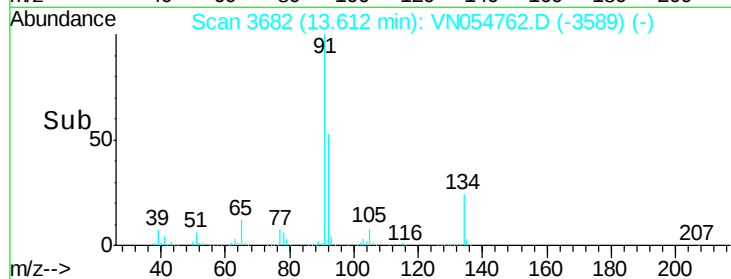
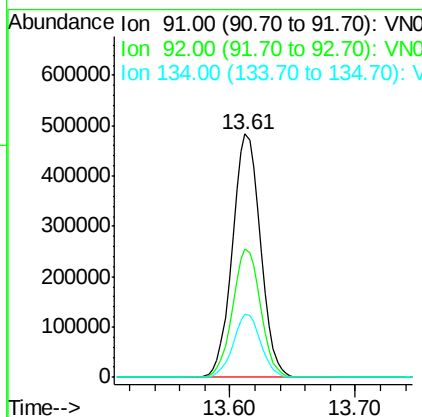
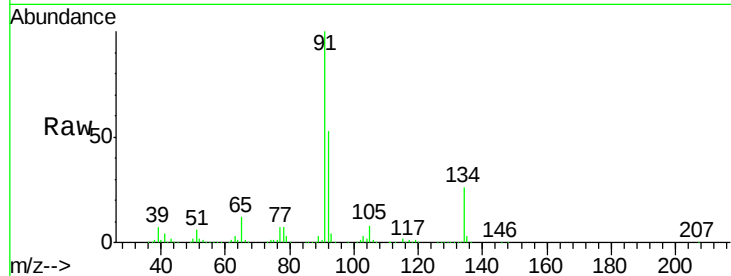




#89
n-Butylbenzene
Concen: 49.01 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

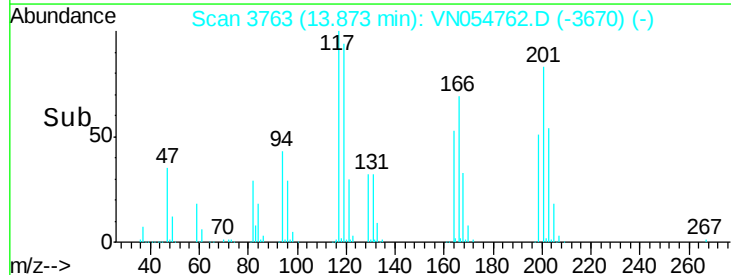
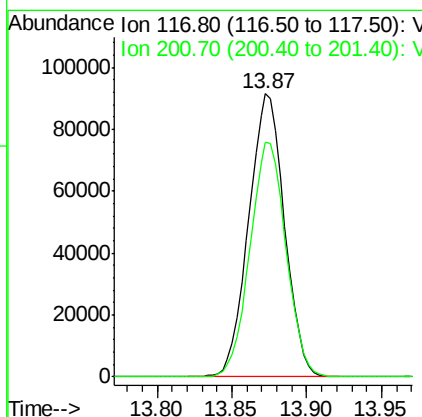
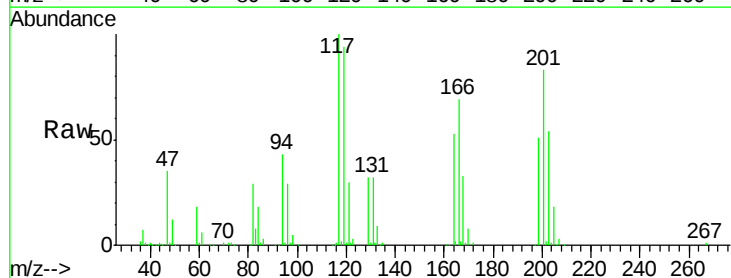
Instrument :
MSVOA_N
ClientSampled :

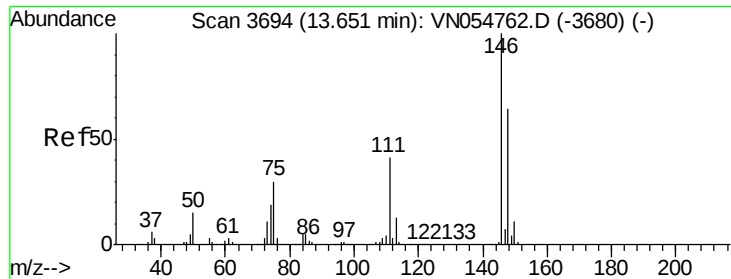
Tot Ion: 91 Resp: 750607
Ion Ratio Lower Upper
91 100
92 52.3 26.2 78.6
134 25.5 14.3 42.9



#90
Hexachloroethane
Concen: 47.76 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054762.D
Acq: 29 Mar 2019 11:19

Tgt Ion: 117 Resp: 152214
Ion Ratio Lower Upper
117 100
201 83.5 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 47.01 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Instrument :

MSVOA_N

ClientSampleId :

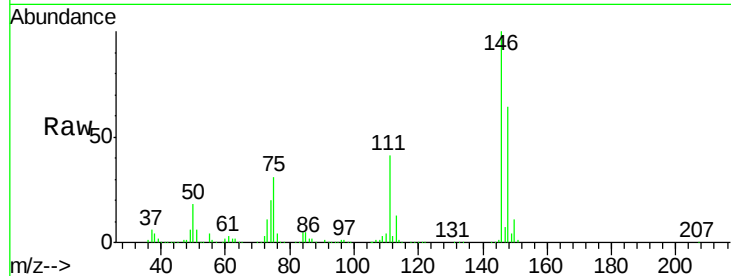
Tot Ion:146 Resp: 457739

Ion Ratio Lower Upper

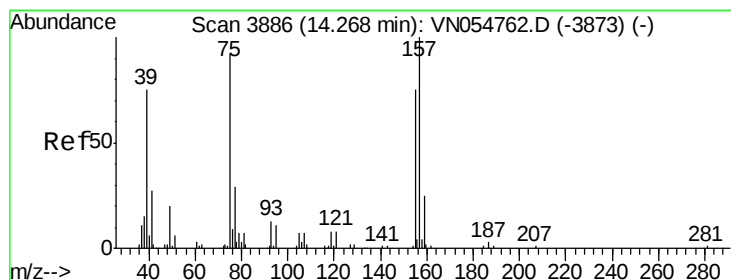
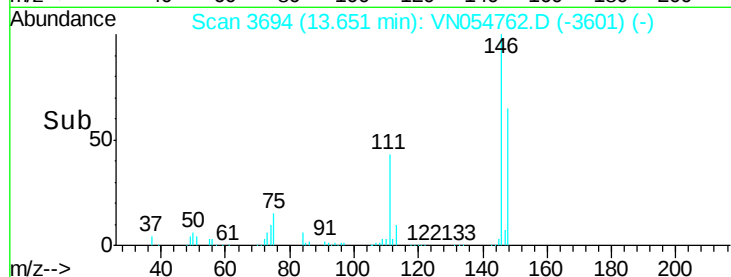
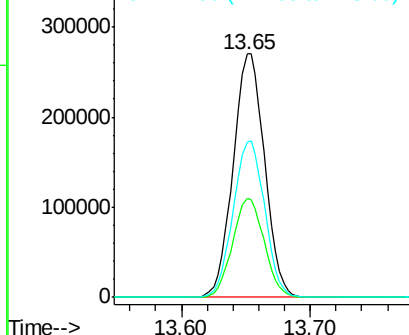
146 100

111 40.7 19.1 57.3

148 64.5 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: 49.94 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

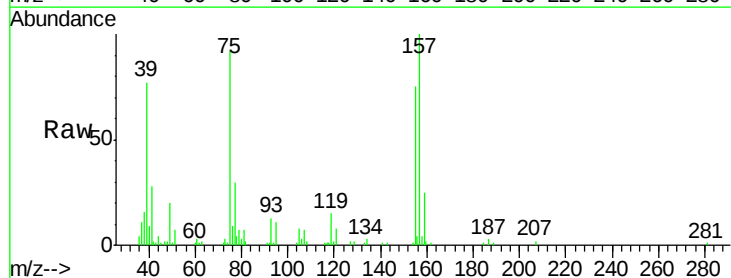
Tgt Ion: 75 Resp: 40769

Ion Ratio Lower Upper

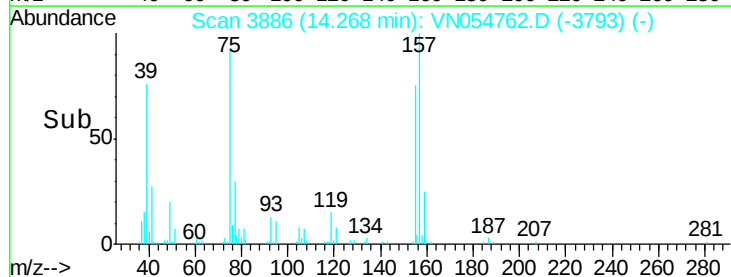
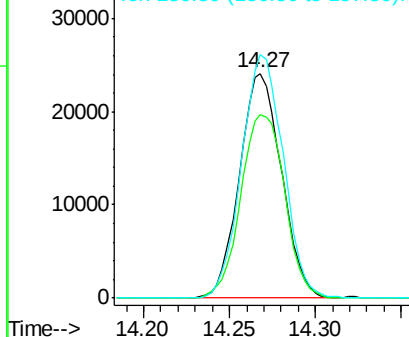
75 100

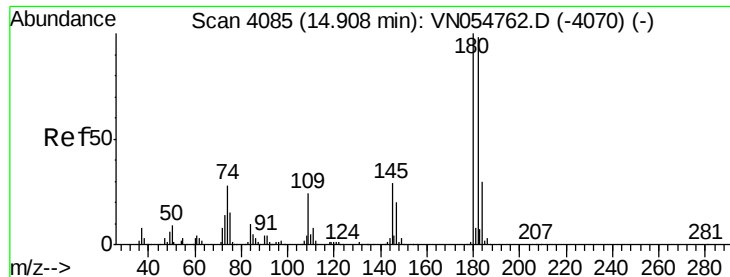
155 85.2 50.1 150.3

157 108.0 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

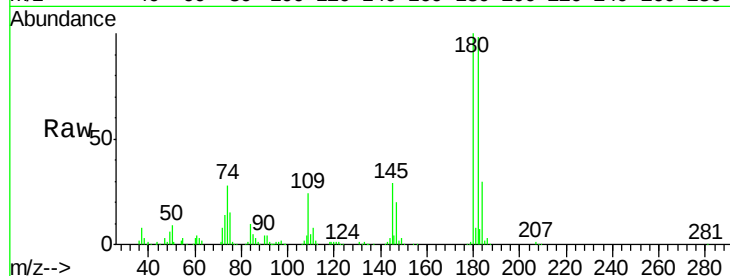




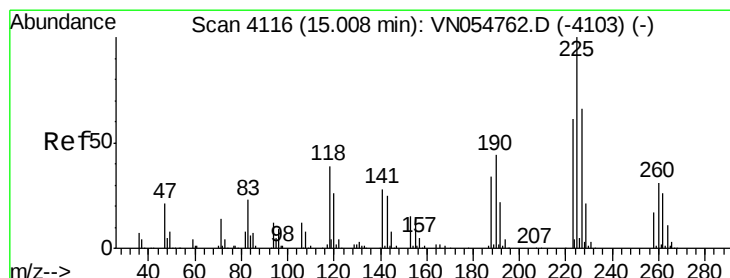
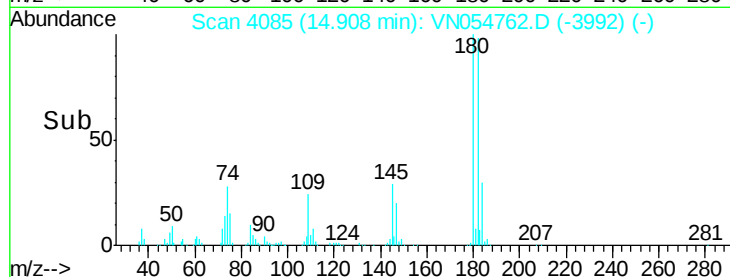
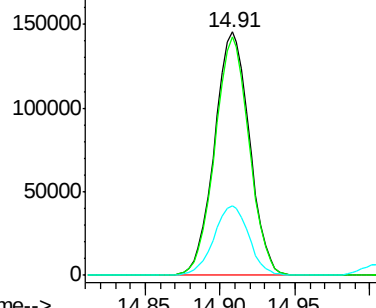
#93
 1,2,4-Trichlorobenzene
 Concen: 50.36 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054762.D
 Acq: 29 Mar 2019 11:19

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.0	144.2
145	28.7	14.2	42.8

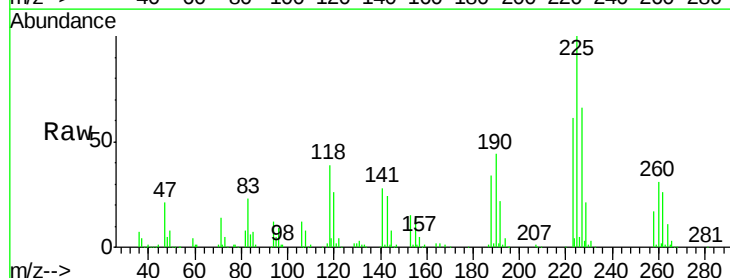


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

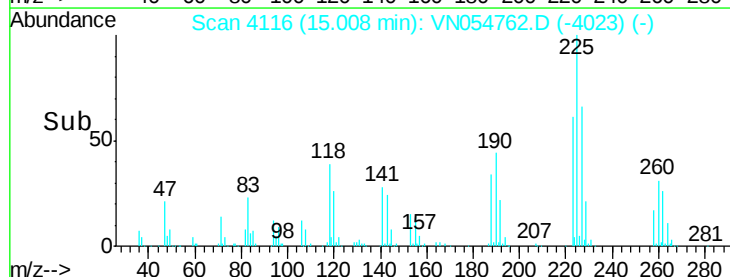
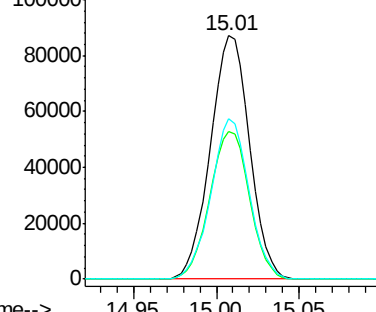


#94
 Hexachlorobutadiene
 Concen: 51.59 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054762.D
 Acq: 29 Mar 2019 11:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.1	93.5
227	64.1	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: 48.49 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

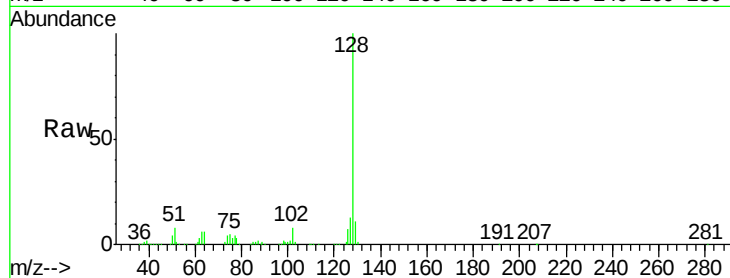
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 510559

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.1	15.1
129	11.1	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.13

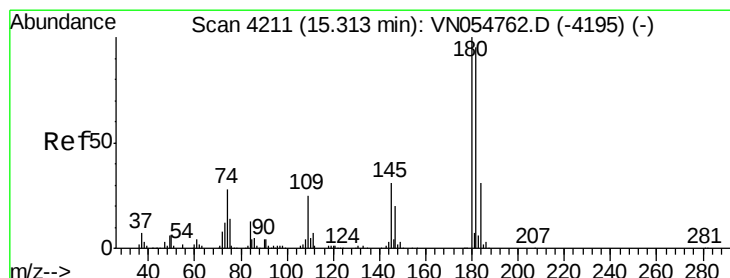
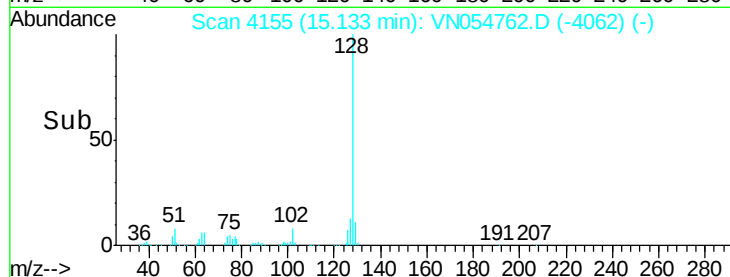
300000

200000

100000

0

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 49.22 ug/l

RT: 15.31 min Scan# 4211

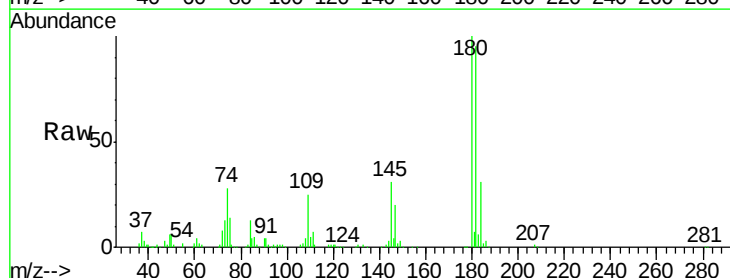
Delta R.T. 0.00 min

Lab File: VN054762.D

Acq: 29 Mar 2019 11:19

Tgt Ion:180 Resp: 233342

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.5	142.6
145	30.4	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

15.31

150000

100000

50000

0

Time-->

