

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040319\
 Data File : VN054914.D
 Acq On : 3 Apr 2019 9:10
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 04 01:09:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	440793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	682826	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	597023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	274077	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	275972	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	
35) Dibromofluoromethane	7.59	113	224926	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
50) Toluene-d8	10.09	98	843479	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
62) 4-Bromofluorobenzene	12.40	95	284691	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	199699	44.789	ug/l	99
3) Chloromethane	2.06	50	270237	43.835	ug/l	100
4) Vinyl Chloride	2.19	62	253065	45.711	ug/l	100
5) Bromomethane	2.57	94	141817	48.805	ug/l	95
6) Chloroethane	2.71	64	143476	46.412	ug/l	99
7) Trichlorofluoromethane	3.03	101	333264	48.964	ug/l	99
8) Diethyl Ether	3.41	74	106265	48.486	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	3.75	101	183442	51.197	ug/l	94
10) Methyl Iodide	3.94	142	250043	50.977	ug/l #	89
11) Tert butyl alcohol	4.82	59	70027	226.193	ug/l	100
12) 1,1-Dichloroethene	3.73	96	169035	48.785	ug/l #	72
13) Acrolein	3.61	56	61452	222.035	ug/l	99
14) Allyl chloride	4.32	41	408370	47.849	ug/l #	91
15) Acrylonitrile	4.99	53	415702	241.576	ug/l	99
16) Acetone	3.82	43	439526	310.189	ug/l #	81
17) Carbon Disulfide	4.04	76	509259	45.315	ug/l	99
18) Methyl Acetate	4.33	43	187616	50.851	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	583319	48.128	ug/l	96
20) Methylene Chloride	4.55	84	237313	47.480	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	217598	47.812	ug/l	86
22) Diisopropyl ether	5.96	45	841684	49.863	ug/l #	95
23) Vinyl Acetate	5.90	43	2952249	251.325	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	449155	49.882	ug/l	98
25) 2-Butanone	6.84	43	579317	276.585	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	326665	51.761	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	253144	49.238	ug/l	87
28) Bromochloromethane	7.19	49	224966	49.965	ug/l #	71
29) Tetrahydrofuran	7.22	42	337890	232.266	ug/l #	84
30) Chloroform	7.37	83	430283	50.114	ug/l	100
31) Cyclohexane	7.65	56	412344	50.269	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	358686	50.410	ug/l	95
36) 1,1-Dichloropropene	7.79	75	323279	50.809	ug/l	96
37) Ethyl Acetate	6.93	43	230849	49.476	ug/l	94
38) Carbon Tetrachloride	7.77	117	310101	50.180	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	369267	52.790	ug/l	90
40) Benzene	8.04	78	958880	52.669	ug/l	99
41) Methacrylonitrile	7.18	41	136446	52.058	ug/l #	88
42) 1,2-Dichloroethane	8.12	62	338342	52.048	ug/l	97
43) Isopropyl Acetate	8.17	43	391406	51.627	ug/l	94
44) Trichloroethene	8.83	130	247968	52.469	ug/l	88
45) 1,2-Dichloropropane	9.12	63	271738	52.346	ug/l	99
46) Dibromomethane	9.21	93	150155	51.418	ug/l	90
47) Bromodichloromethane	9.40	83	335647	55.304	ug/l	98
48) Methyl methacrylate	9.20	41	198989	48.420	ug/l	90
49) 1,4-Dioxane	9.20	88	41778	1024.544	ug/l #	86
51) 4-Methyl-2-Pentanone	9.99	43	1122744	263.404	ug/l	92
52) Toluene	10.15	92	579201	53.465	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	315136	55.199	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	384300	56.351	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	206974	51.381	ug/l	94
56) Ethyl methacrylate	10.43	69	277959	52.602	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	365759	52.815	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	579791	254.523	ug/l	89
59) 2-Hexanone	10.75	43	746829	273.699	ug/l	91
60) Dibromochloromethane	10.90	129	226243	55.445	ug/l	99
61) 1,2-Dibromoethane	11.00	107	200908	52.190	ug/l	99
64) Tetrachloroethene	10.63	164	237924	51.933	ug/l	96
65) Chlorobenzene	11.43	112	609365	52.131	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	236691	54.098	ug/l	99
67) Ethyl Benzene	11.51	91	1118476	53.025	ug/l	97
68) m/p-Xylenes	11.62	106	826373	105.865	ug/l	95
69) o-Xylene	11.95	106	399513	52.193	ug/l	94
70) Styrene	11.96	104	676724	55.293	ug/l	97
71) Bromoform	12.13	173	138458	54.019	ug/l #	100
73) Isopropylbenzene	12.25	105	1078049	48.123	ug/l	98
74) N-amyl acetate	12.07	43	324214	46.455	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	256781	52.068	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	308151	64.719	ug/l #	100
77) Bromobenzene	12.53	156	260361	48.156	ug/l	86
78) n-propylbenzene	12.59	91	1223746	49.701	ug/l	96
79) 2-Chlorotoluene	12.67	91	726405	47.686	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	897465	48.824	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	60025	49.037	ug/l	86
82) 4-Chlorotoluene	12.77	91	726560	49.106	ug/l	96
83) tert-Butylbenzene	12.99	119	754895	53.134	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	890056	50.825	ug/l	97
85) sec-Butylbenzene	13.17	105	991862	49.673	ug/l	97
86) p-Isopropyltoluene	13.29	119	882875	50.130	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	454481	50.208	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	436593	49.176	ug/l	99
89) n-Butylbenzene	13.61	91	749158	52.137	ug/l	97
90) Hexachloroethane	13.87	117	148671	49.720	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	442539	48.442	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36511	47.675	ug/l	85

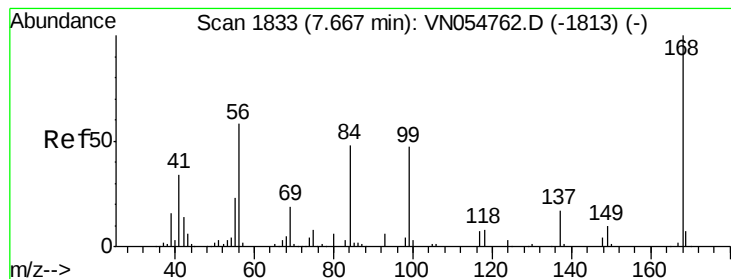
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	219720	49.888	ug/l	100
94) Hexachlorobutadiene	15.01	225	139607	53.678	ug/l	100
95) Naphthalene	15.13	128	448029	45.356	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	212186	47.704	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

Instrument :

MSVOA_N

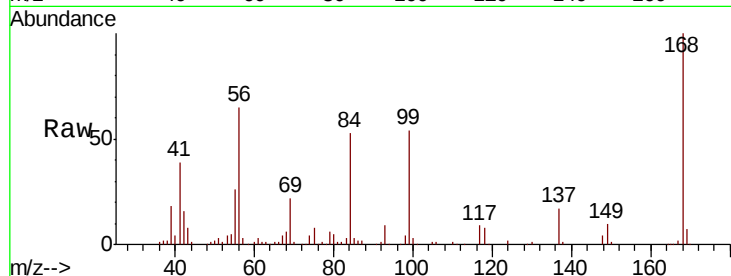
ClientSampled :

Tot Ion:168 Resp: 440793

Ion Ratio Lower Upper

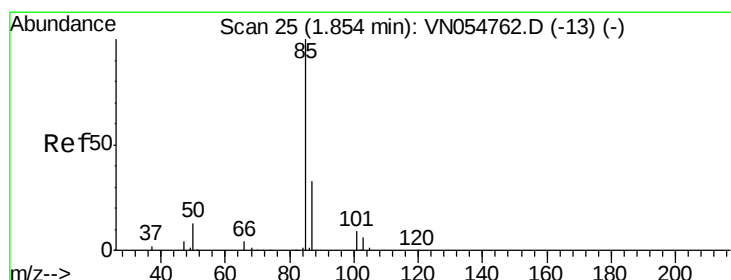
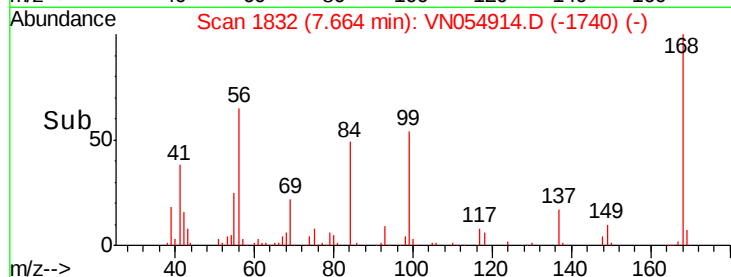
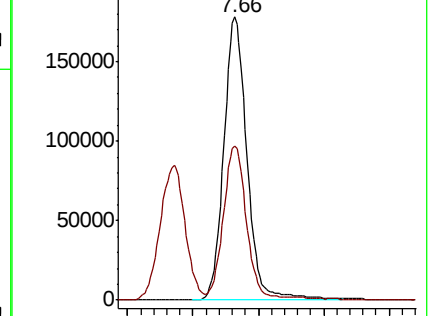
168 100

99 53.9 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: 44.789 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054914.D

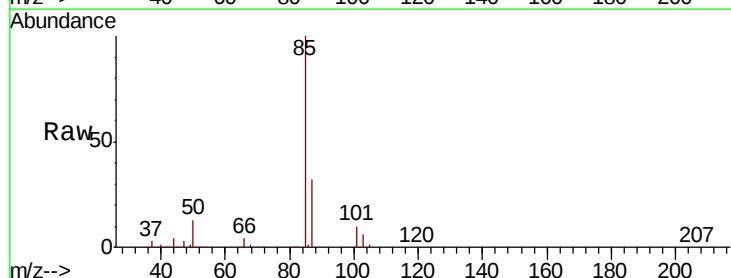
Acq: 3 Apr 2019 9:10

Tgt Ion: 85 Resp: 199699

Ion Ratio Lower Upper

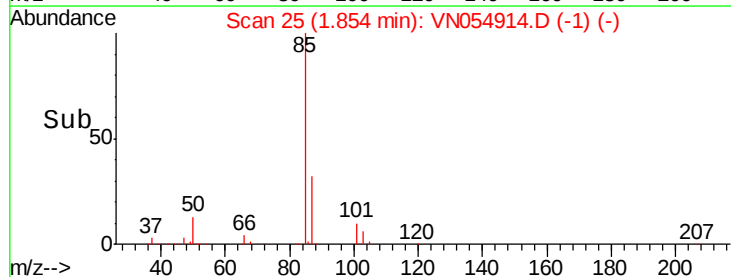
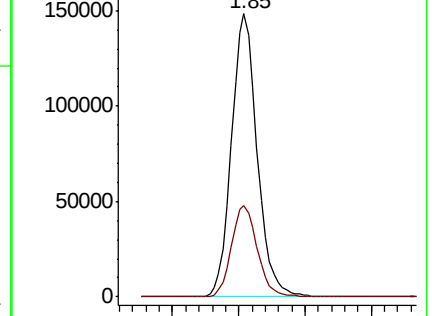
85 100

87 32.1 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: 43.835 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

Instrument :

MSVOA_N

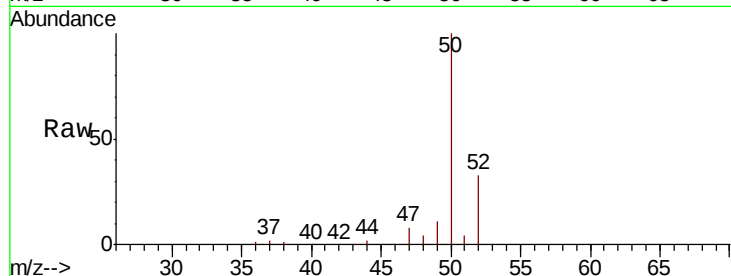
ClientSampled :

Tot Ion: 50 Resp: 270237

Ion Ratio Lower Upper

50 100

52 33.0 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

200000

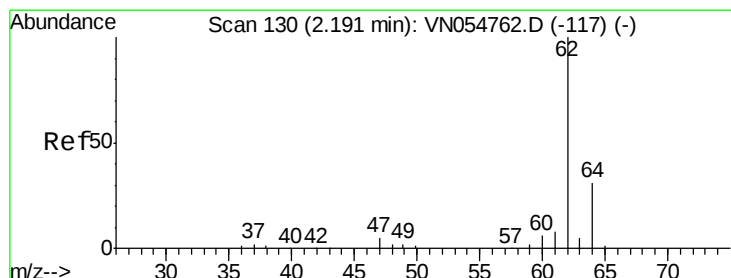
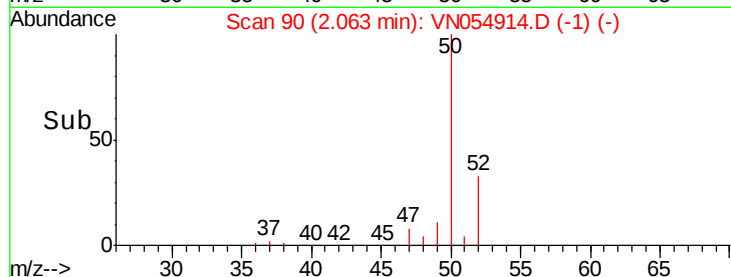
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 45.711 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054914.D

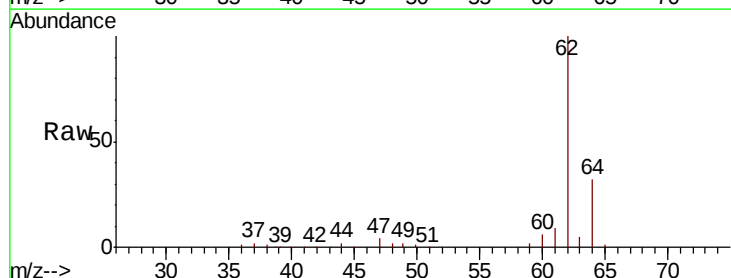
Acq: 3 Apr 2019 9:10

Tgt Ion: 62 Resp: 253065

Ion Ratio Lower Upper

62 100

64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

200000

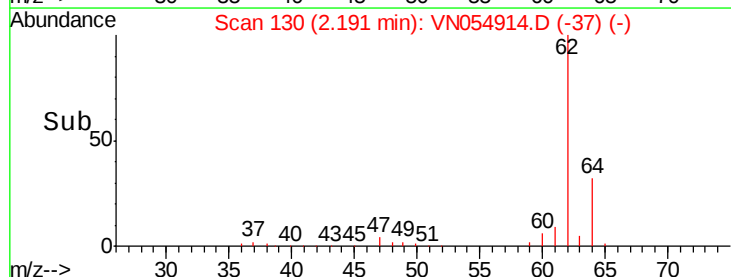
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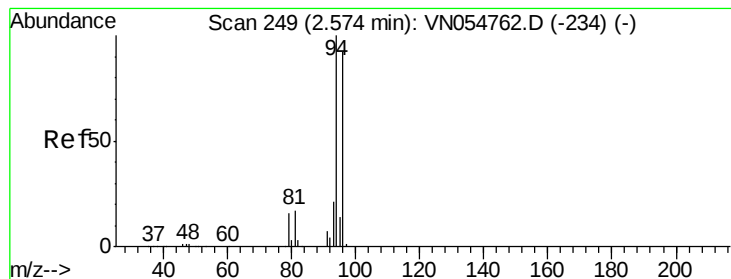
100000

50000

0

Time-->





#5

Bromomethane

Concen: 48.805 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

Instrument :

MSVOA_N

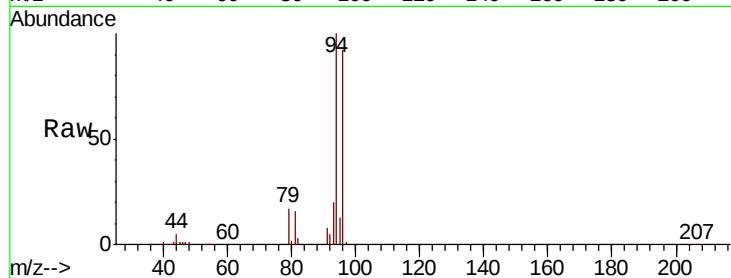
ClientSampleId :

Tot Ion: 94 Resp: 141817

Ion Ratio Lower Upper

94 100

96 91.6 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN054914.D (-156) (-)

Ion 95.90 (95.60 to 96.60): VN054914.D (-156) (-)

2.57

80000

60000

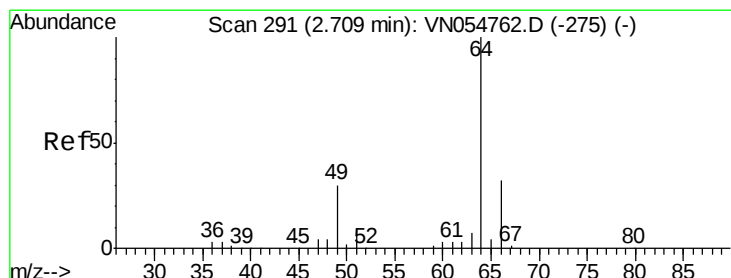
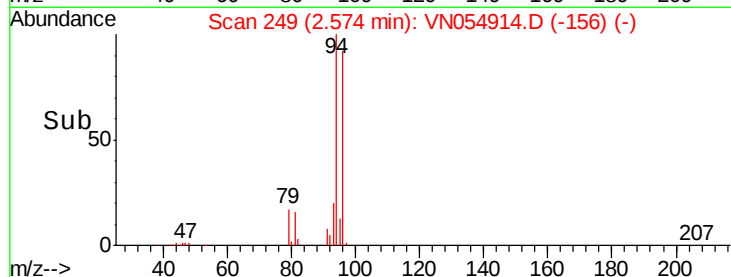
40000

20000

0

Time-->

2.50 2.60 2.70



#6

Chloroethane

Concen: 46.412 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054914.D

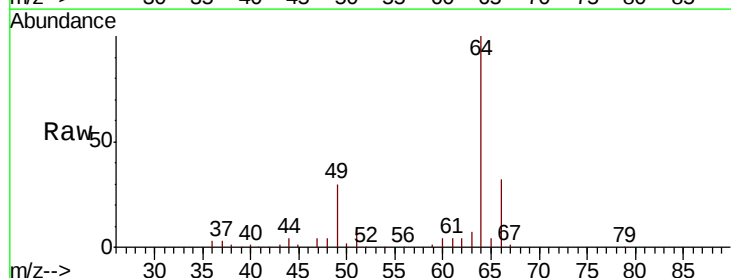
Acq: 3 Apr 2019 9:10

Tgt Ion: 64 Resp: 143476

Ion Ratio Lower Upper

64 100

66 31.6 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN054914.D (-198) (-)

Ion 65.90 (65.60 to 66.60): VN054914.D (-198) (-)

2.71

80000

60000

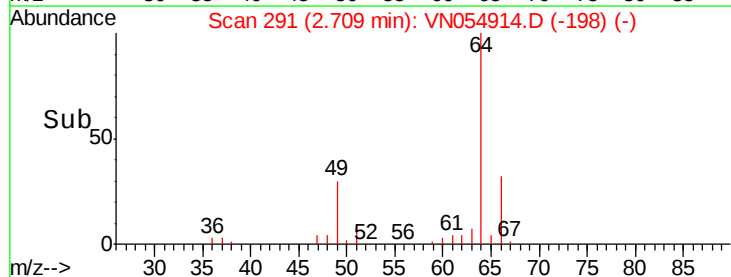
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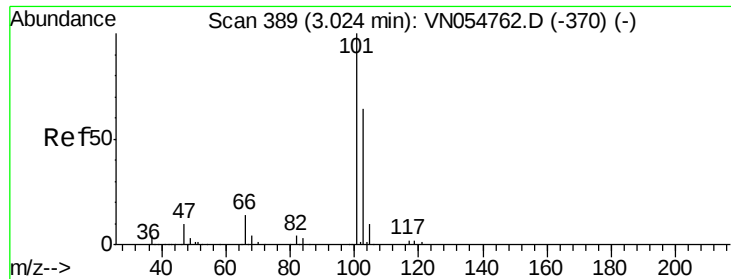
20000

0

Time-->

2.60 2.65 2.70 2.75 2.80



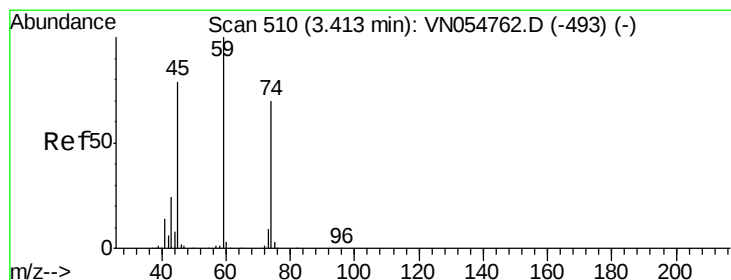
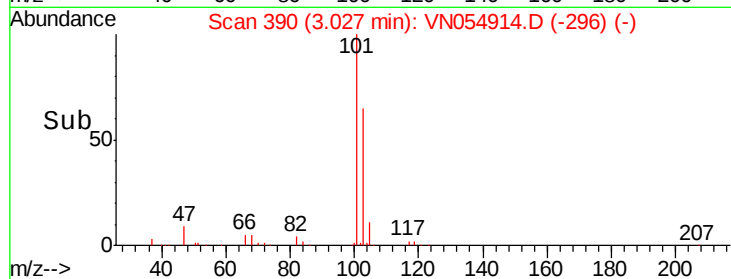
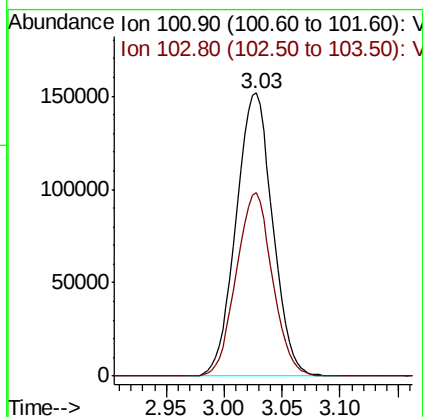
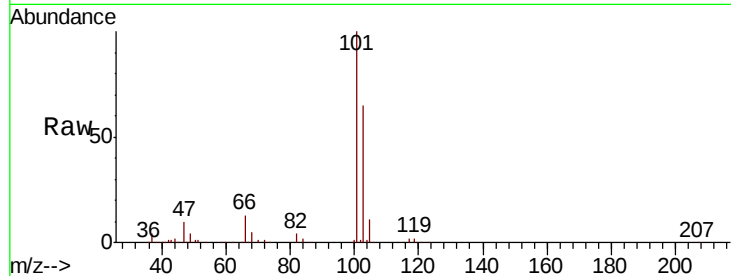


#7

Trichlorofluoromethane
 Concen: 48.964 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN054914.D
 Acq: 3 Apr 2019 9:10

Instrument :
 MSVOA_N
 ClientSampleId :

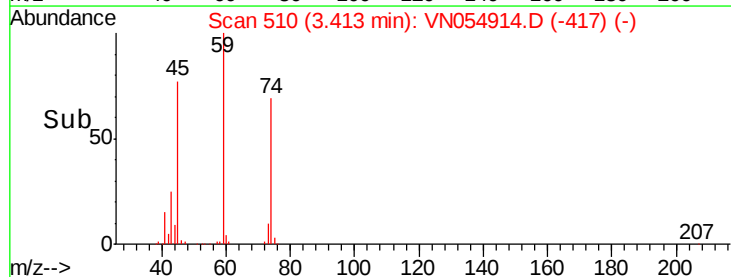
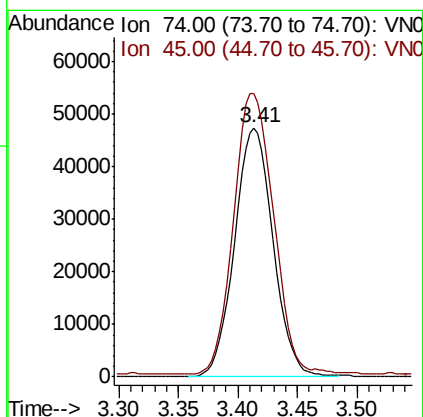
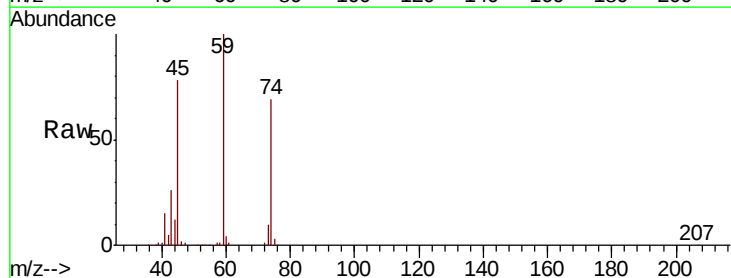
Tot Ion:101 Resp: 333264
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.4 77.2

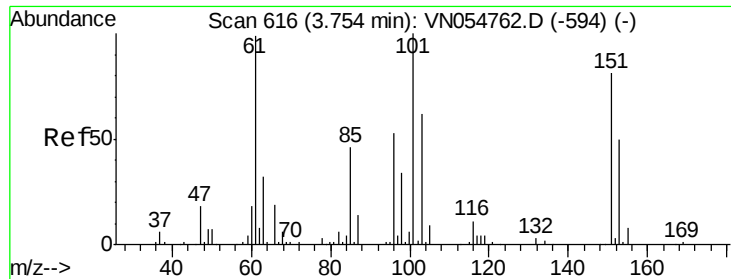


#8

Diethyl Ether
 Concen: 48.486 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054914.D
 Acq: 3 Apr 2019 9:10

Tgt Ion: 74 Resp: 106265
 Ion Ratio Lower Upper
 74 100
 45 117.1 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.197 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

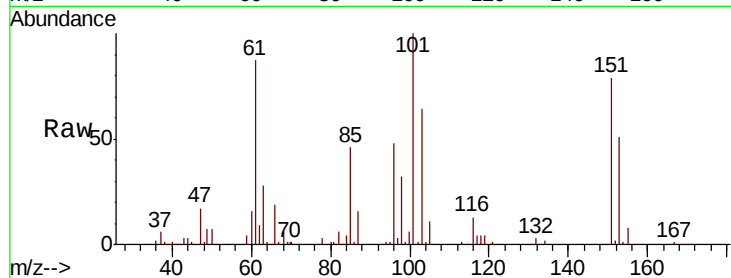
Tot Ion:101 Resp: 183442

Ion Ratio Lower Upper

101 100

85 44.7 32.4 48.6

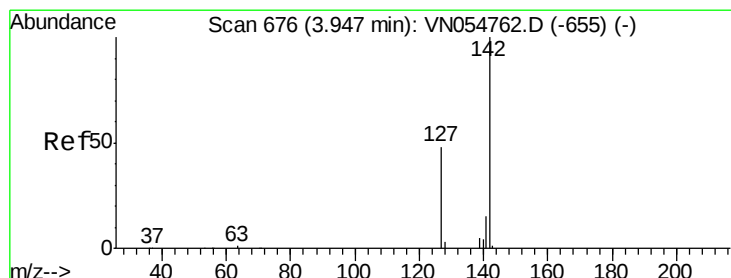
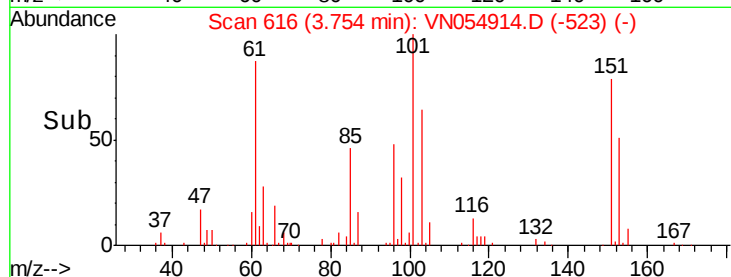
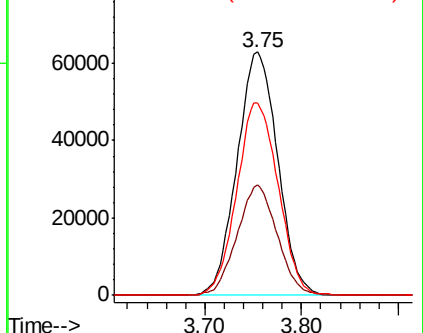
151 80.6 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.977 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

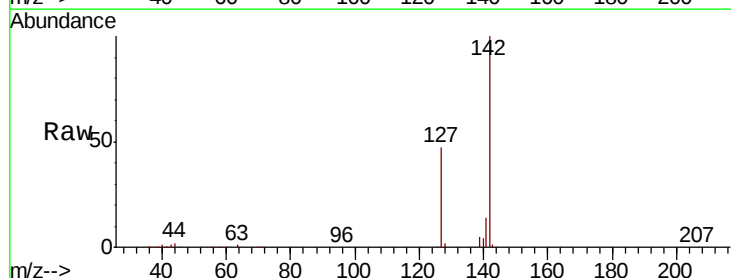
Tgt Ion:142 Resp: 250043

Ion Ratio Lower Upper

142 100

127 46.4 30.3 45.5#

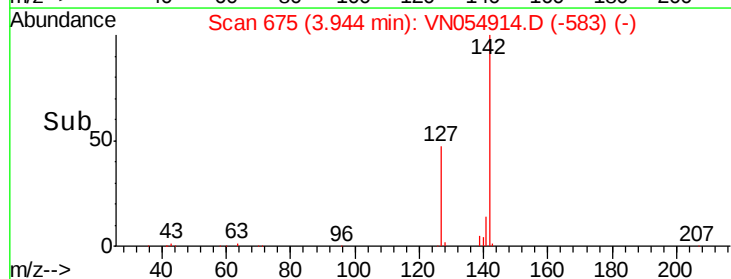
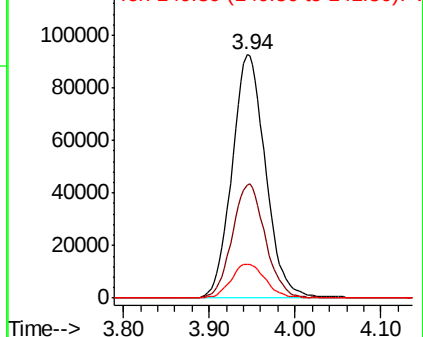
141 14.5 11.2 16.8

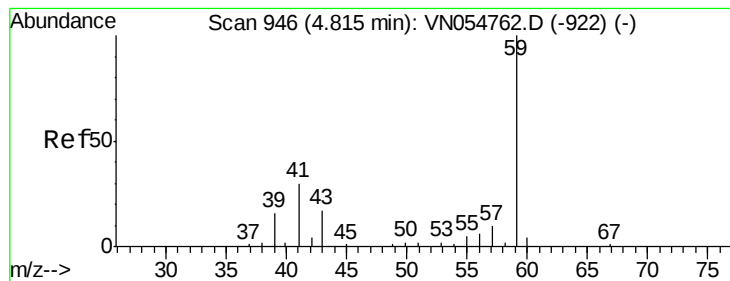


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



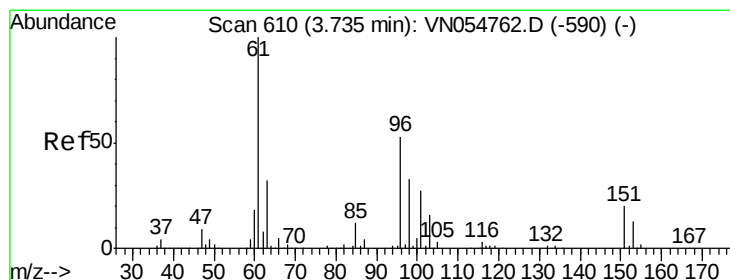
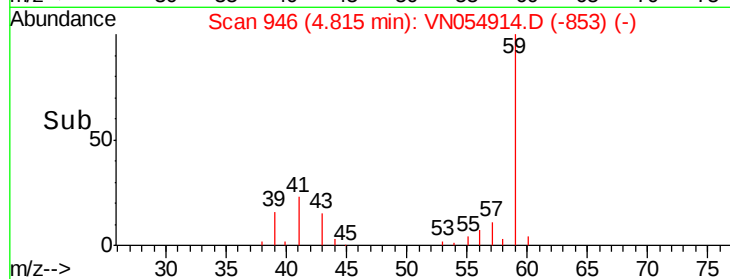
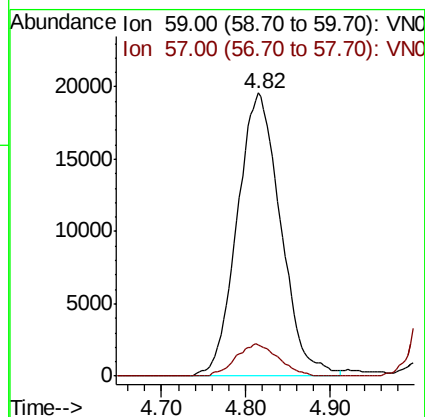
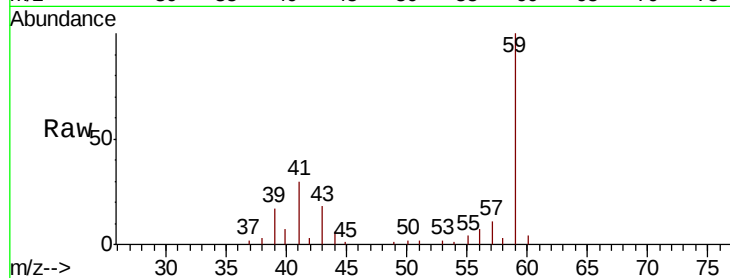


#11

Tert butyl alcohol
 Concen: 226.193 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VN054914.D
 Acq: 3 Apr 2019 9:10

Instrument :
 MSVOA_N
 ClientSampled :

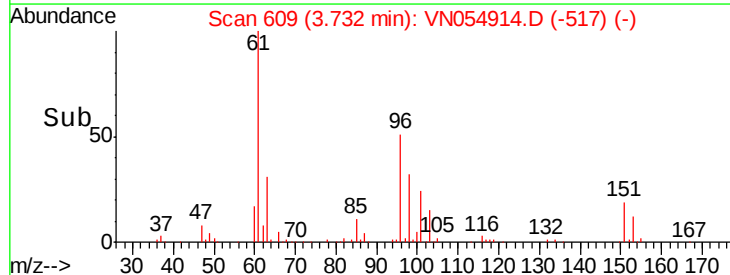
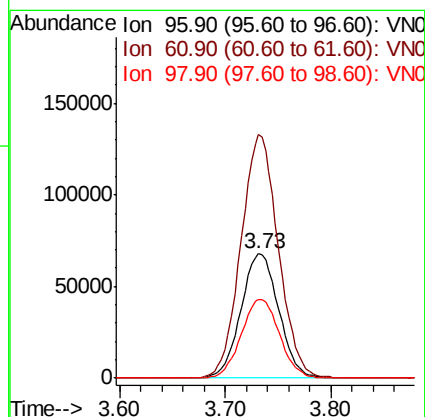
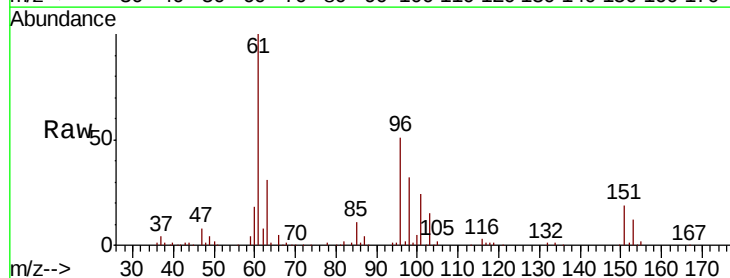
Tot Ion: 59 Resp: 70027
 Ion Ratio Lower Upper
 59 100
 57 11.1 9.0 13.6

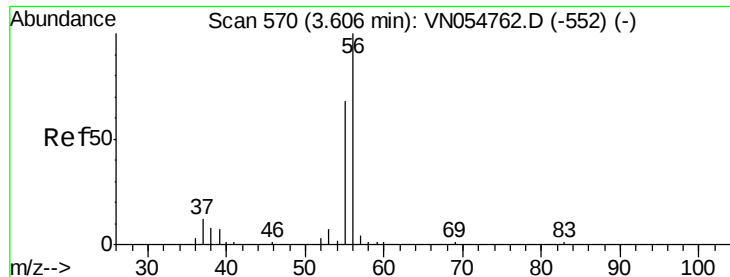


#12

1,1-Dichloroethene
 Concen: 48.785 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054914.D
 Acq: 3 Apr 2019 9:10

Tgt Ion: 96 Resp: 169035
 Ion Ratio Lower Upper
 96 100
 61 195.7 116.5 174.7#
 98 63.6 51.0 76.4





#13

Acrolein

Concen: 222.035 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

Instrument :

MSVOA_N

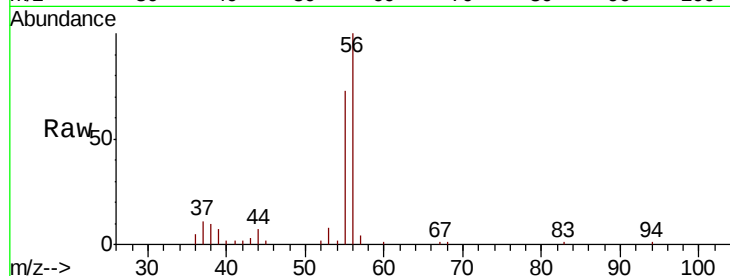
ClientSampleId :

Tot Ion: 56 Resp: 61452

Ion Ratio Lower Upper

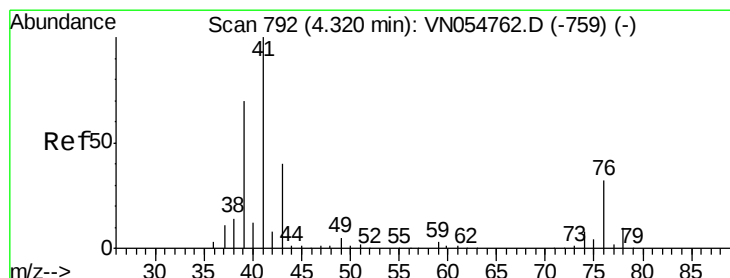
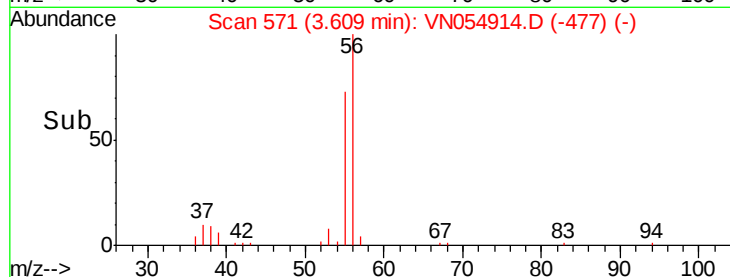
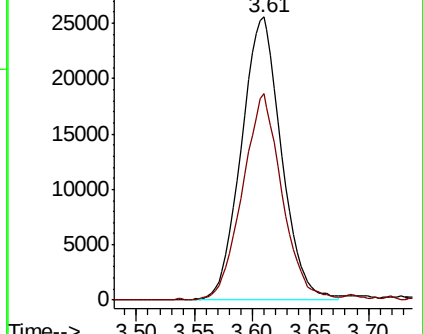
56 100

55 71.8 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: 47.849 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

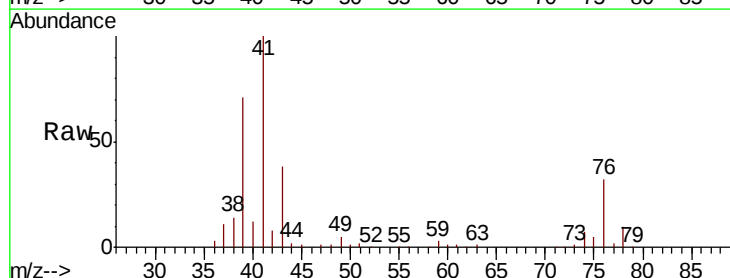
Tgt Ion: 41 Resp: 408370

Ion Ratio Lower Upper

41 100

39 68.4 58.2 87.4

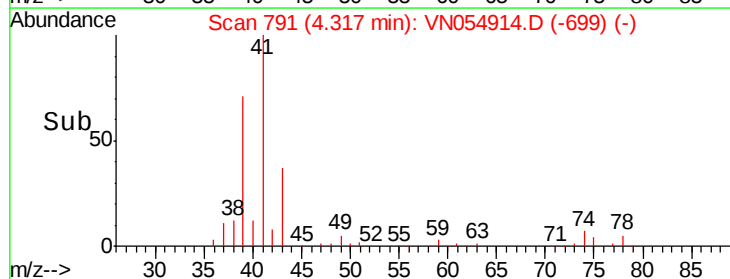
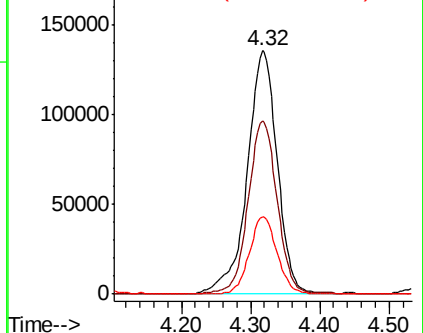
76 29.3 31.7 47.5#

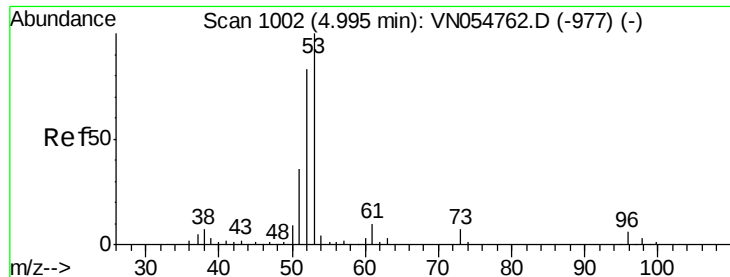


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 241.576 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

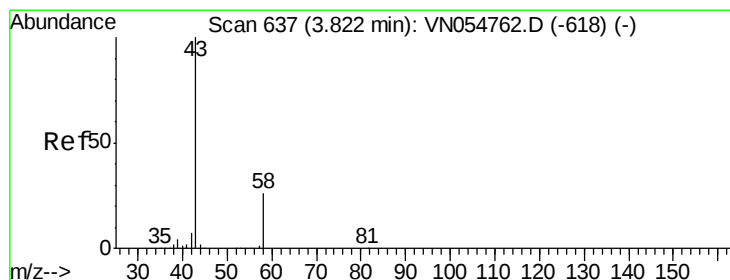
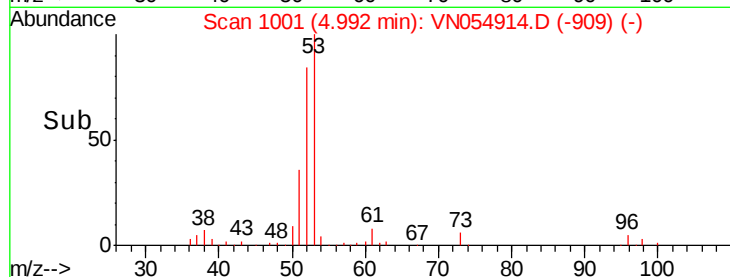
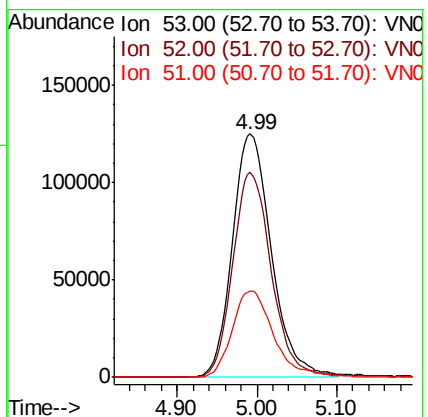
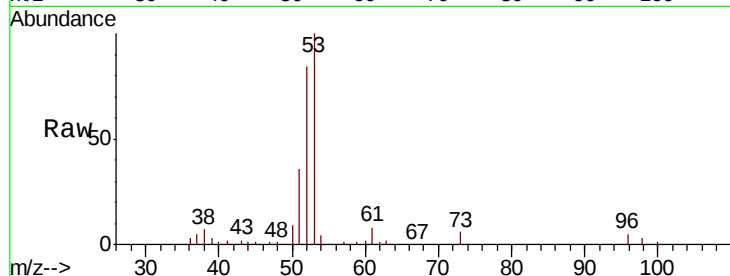
Tot Ion: 53 Resp: 415702

Ion Ratio Lower Upper

53 100

52 83.3 66.4 99.6

51 37.6 29.6 44.4



#16

Acetone

Concen: 310.189 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054914.D

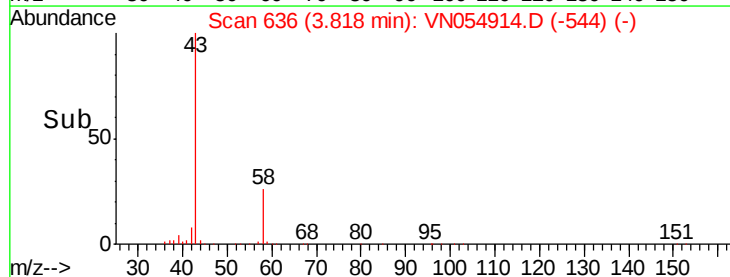
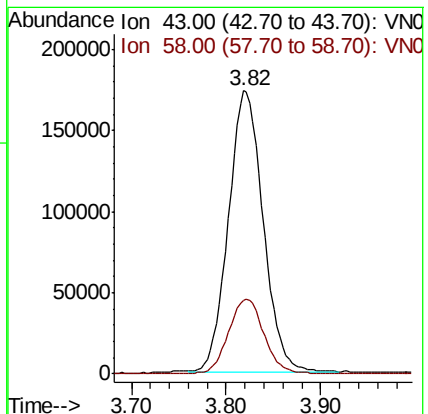
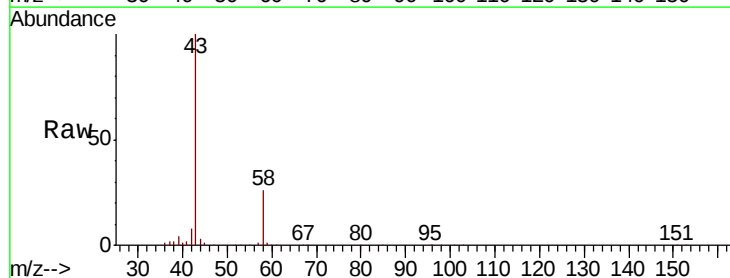
Acq: 3 Apr 2019 9:10

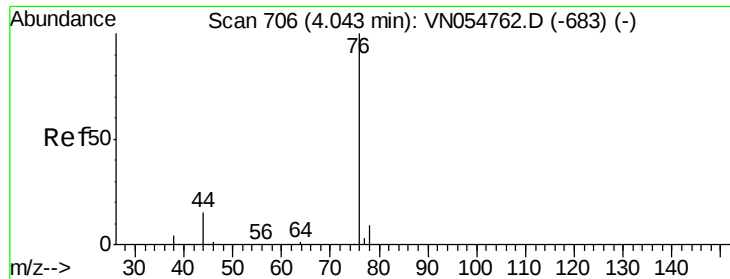
Tgt Ion: 43 Resp: 439526

Ion Ratio Lower Upper

43 100

58 26.1 29.9 44.9#

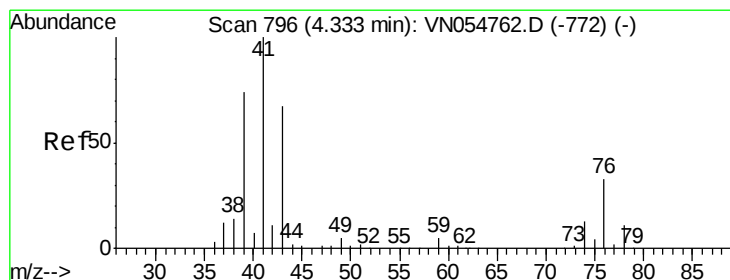
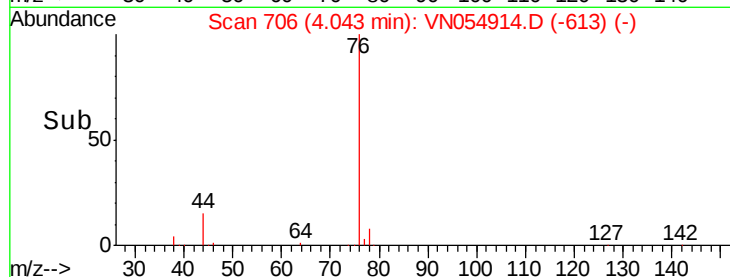
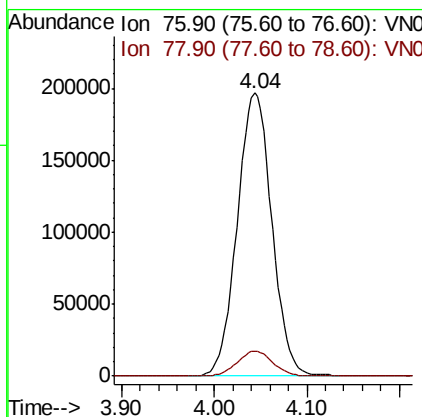
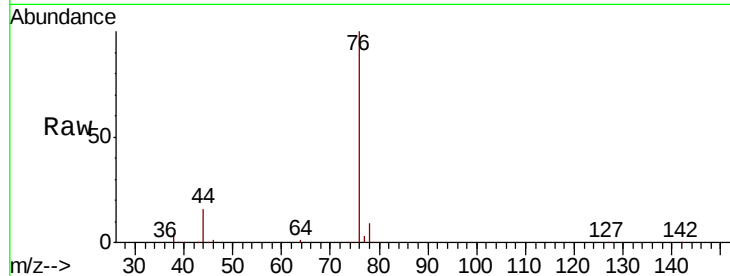




#17
Carbon Disulfide
Concen: 45.315 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054914.D
Acq: 3 Apr 2019 9:10

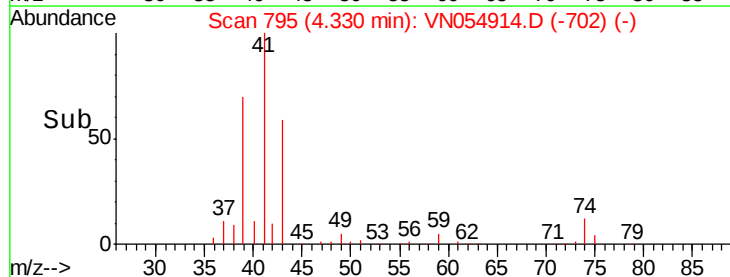
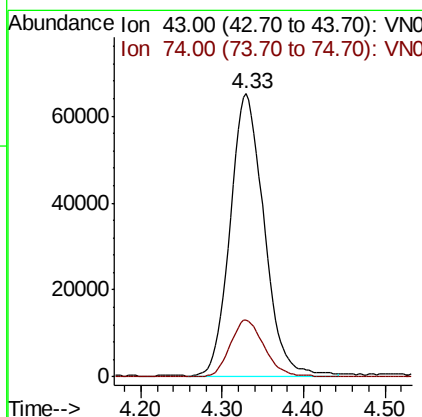
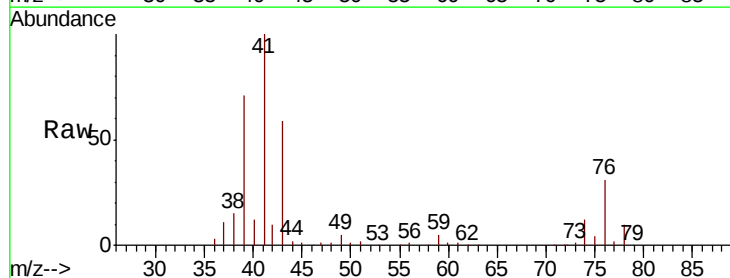
Instrument :
MSVOA_N
ClientSampleId :

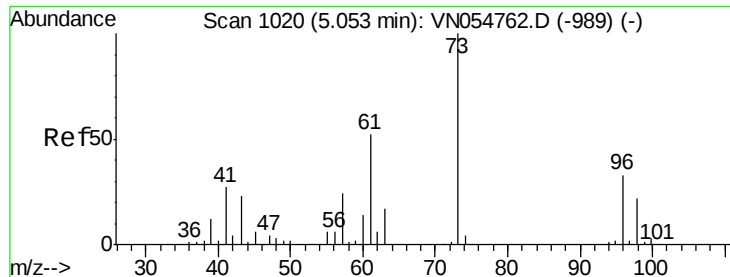
Tot Ion: 76 Resp: 509259
Ion Ratio Lower Upper
76 100
78 8.9 7.5 11.3



#18
Methyl Acetate
Concen: 50.851 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054914.D
Acq: 3 Apr 2019 9:10

Tgt Ion: 43 Resp: 187616
Ion Ratio Lower Upper
43 100
74 20.4 20.8 31.2#

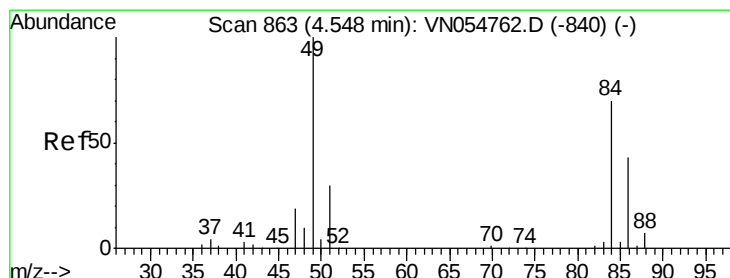
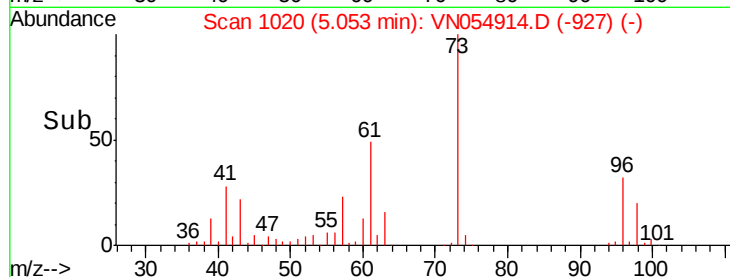
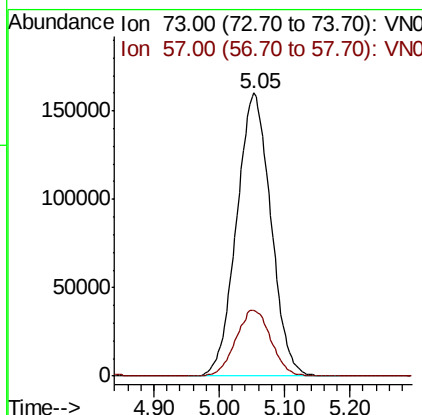
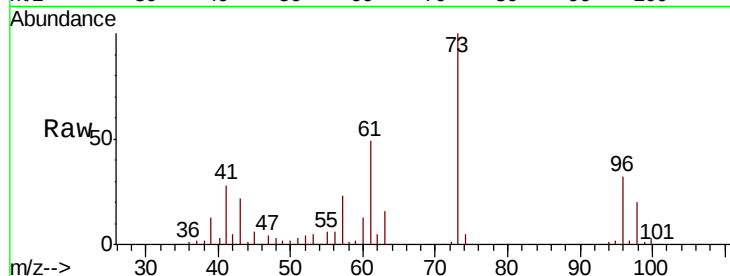




#19
Methvl tert-butvl Ether
Concen: 48.128 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054914.D
Acq: 3 Apr 2019 9:10

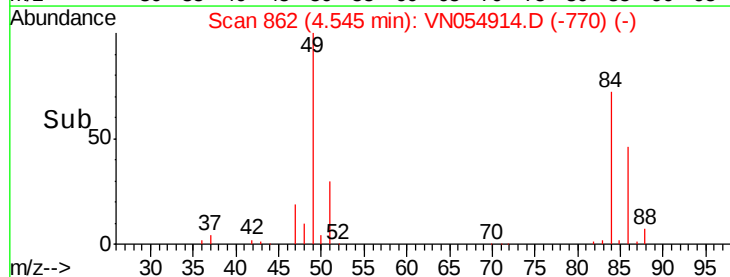
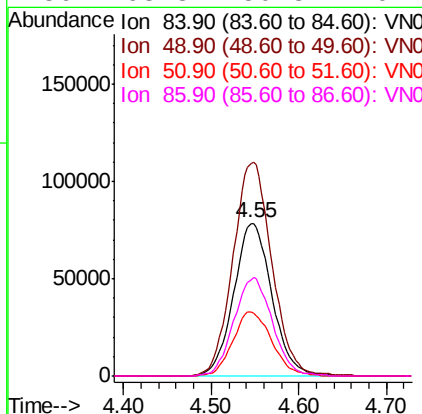
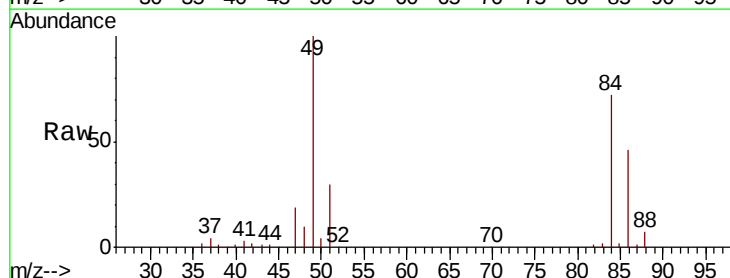
Instrument :
MSVOA_N
ClientSampleId :

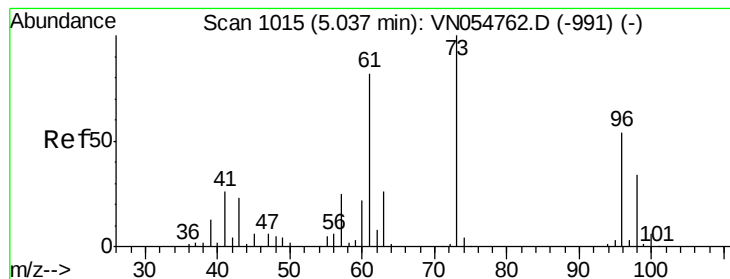
Tot Ion: 73 Resp: 583319
Ion Ratio Lower Upper
73 100
57 23.1 16.8 25.2



#20
Methylene Chloride
Concen: 47.480 ug/l
RT: 4.55 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054914.D
Acq: 3 Apr 2019 9:10

Tgt Ion: 84 Resp: 237313
Ion Ratio Lower Upper
84 100
49 139.1 89.7 134.5#
51 42.3 28.2 42.4
86 63.3 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 47.812 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

Instrument :
MSVOA_N
ClientSampled :

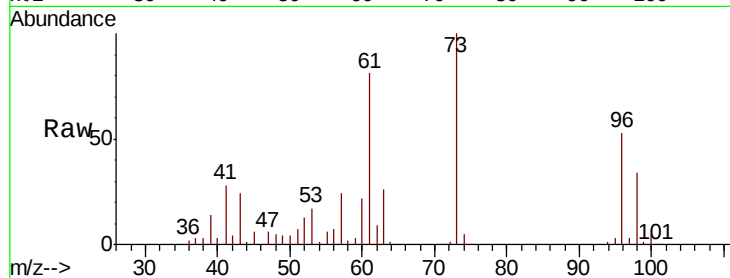
Tot Ion: 96 Resp: 217598

Ion Ratio Lower Upper

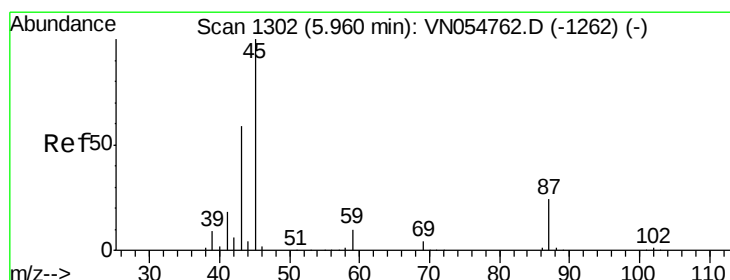
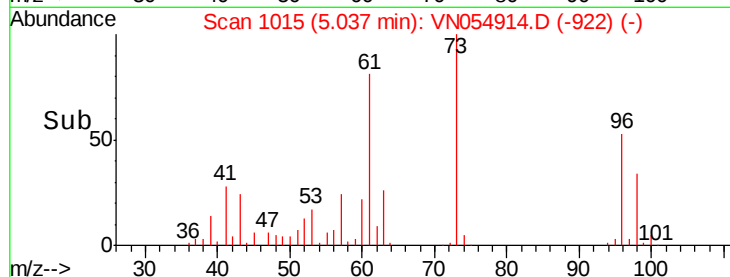
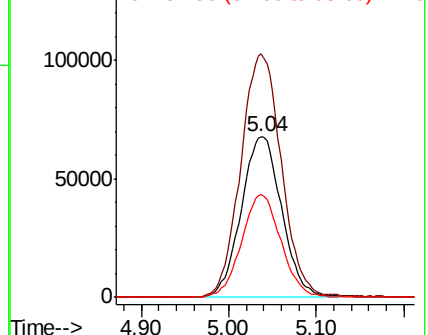
96 100

61 151.5 102.8 154.2

98 63.8 50.0 75.0



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



#22

Diisopropyl ether

Concen: 49.863 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

Tgt Ion: 45 Resp: 841684

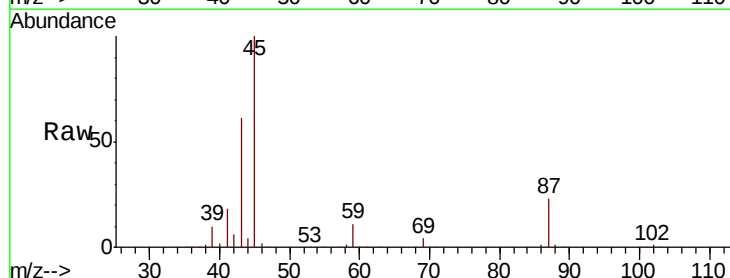
Ion Ratio Lower Upper

45 100

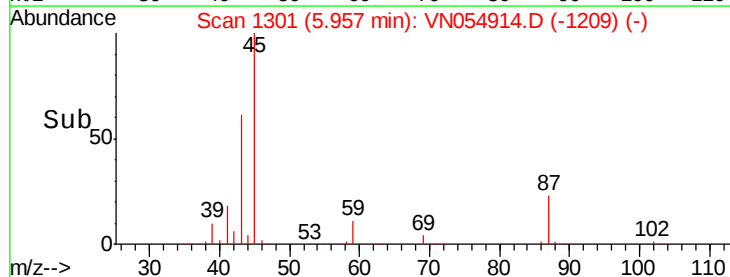
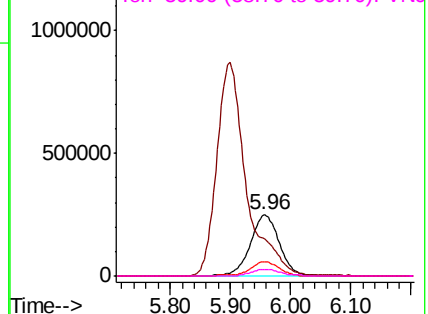
43 59.9 48.2 72.2

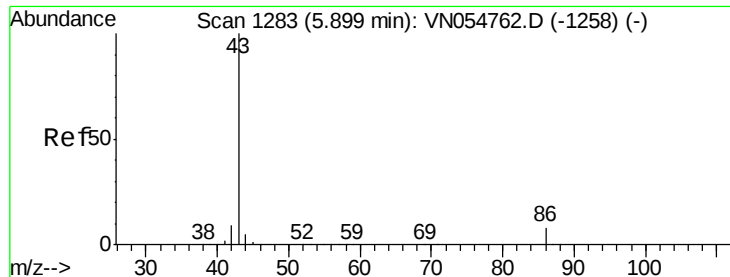
87 23.3 24.9 37.3#

59 10.6 9.5 14.3



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

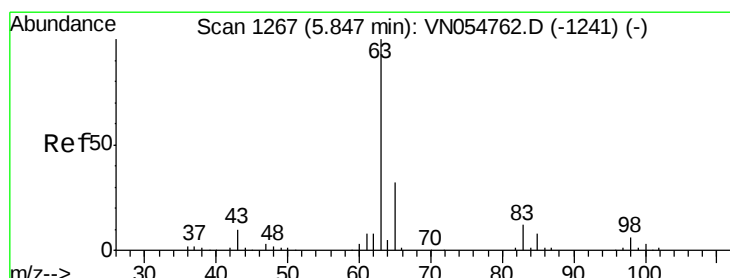
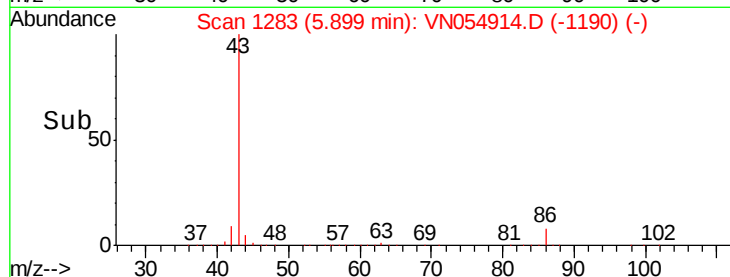
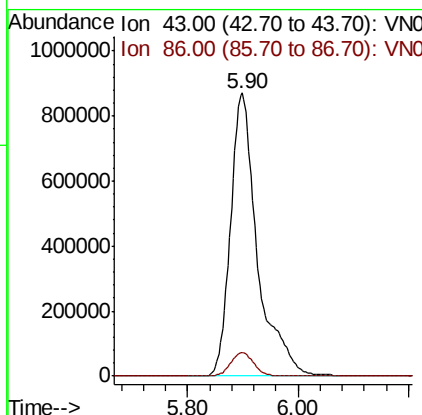
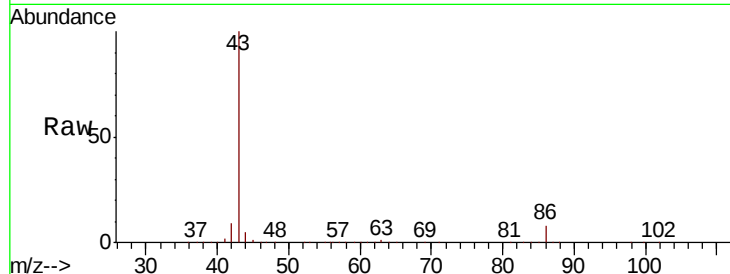




#23
 Vinyl Acetate
 Concen: 251.325 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN054914.D
 Acq: 3 Apr 2019 9:10

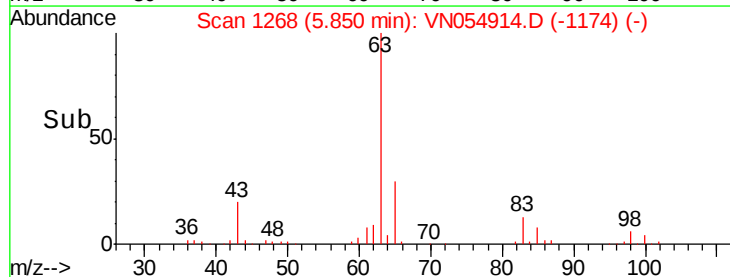
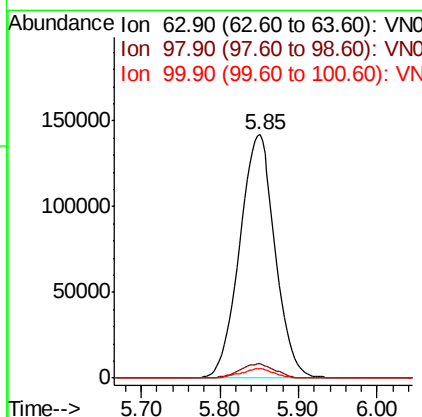
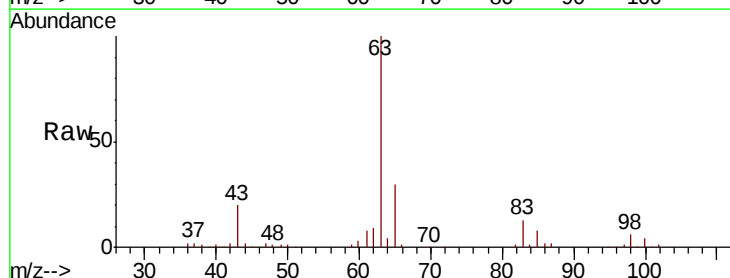
Instrument :
 MSVOA_N
 ClientSampleId :

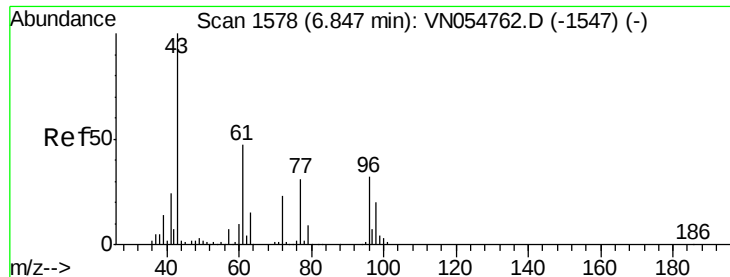
Tot Ion: 43 Resp: 2952249
 Ion Ratio Lower Upper
 43 100
 86 8.3 9.1 13.7#



#24
 1,1-Dichloroethane
 Concen: 49.882 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054914.D
 Acq: 3 Apr 2019 9:10

Tgt Ion: 63 Resp: 449155
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.5 10.5
 100 3.9 2.0 6.0





#25

2-Butanone

Concen: 276.585 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

Instrument :

MSVOA_N

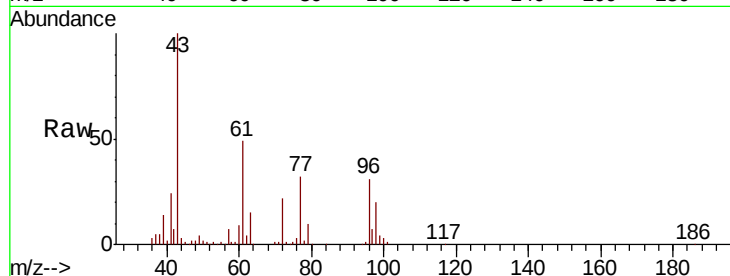
ClientSampled :

Tot Ion: 43 Resp: 579317

Ion Ratio Lower Upper

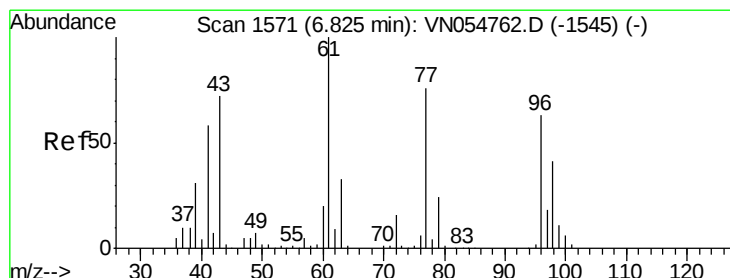
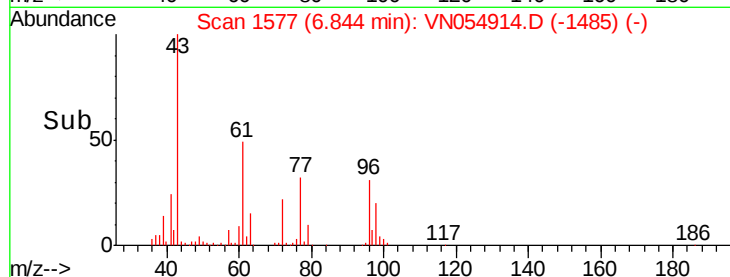
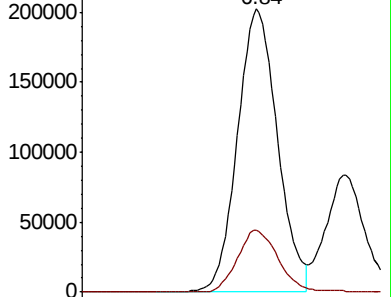
43 100

72 22.0 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 51.761 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054914.D

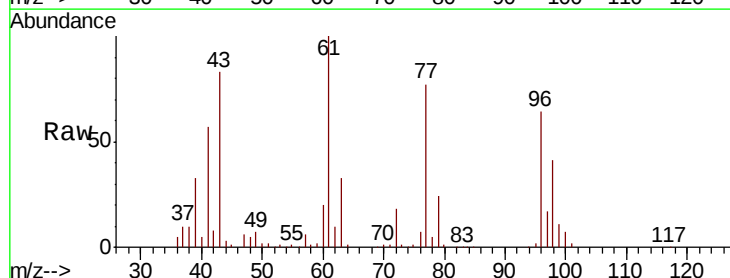
Acq: 3 Apr 2019 9:10

Tgt Ion: 77 Resp: 326665

Ion Ratio Lower Upper

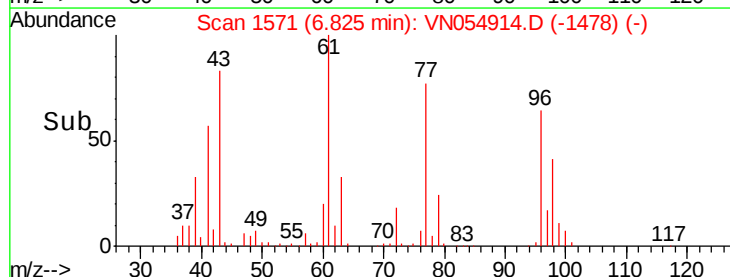
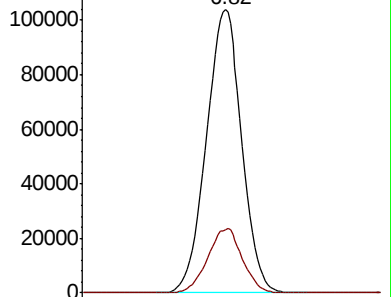
77 100

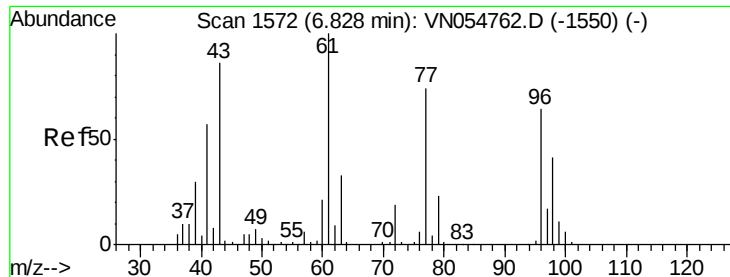
97 22.5 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 49.238 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

Instrument :
MSVOA_N
ClientSampled :

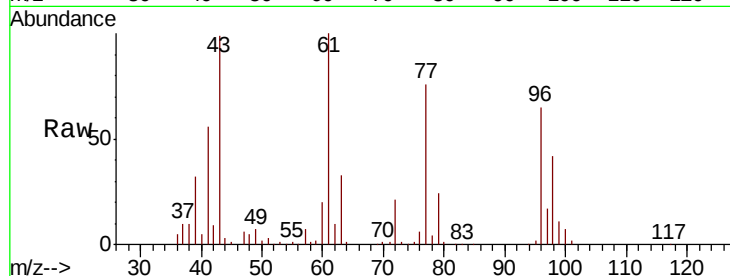
Tot Ion: 96 Resp: 253144

Ion Ratio Lower Upper

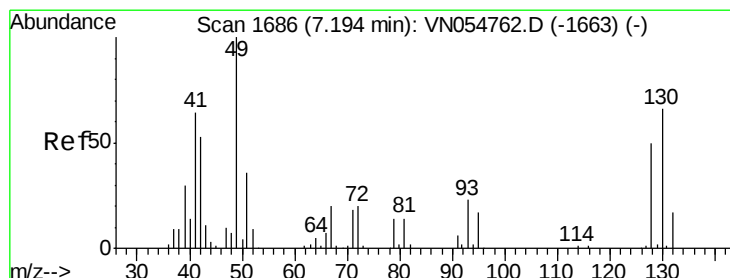
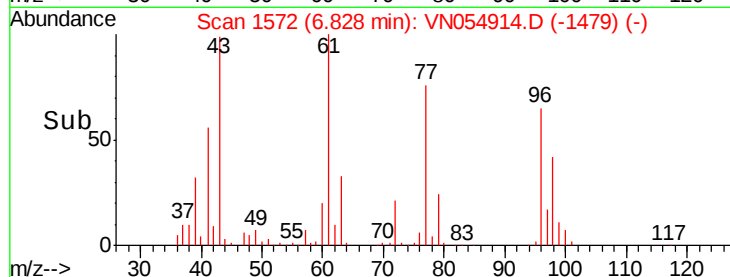
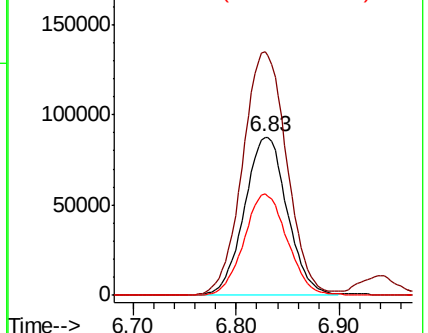
96 100

61 158.9 0.0 273.0

98 64.8 0.0 130.6



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



#28

Bromochloromethane

Concen: 49.965 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

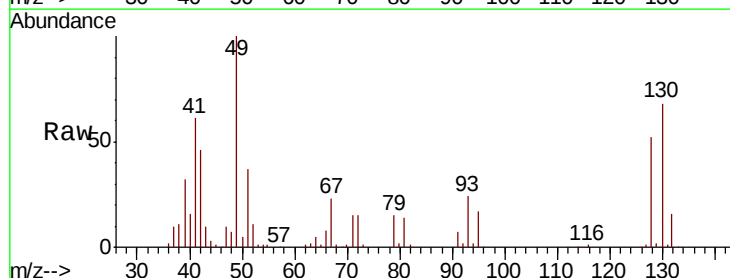
Tgt Ion: 49 Resp: 224966

Ion Ratio Lower Upper

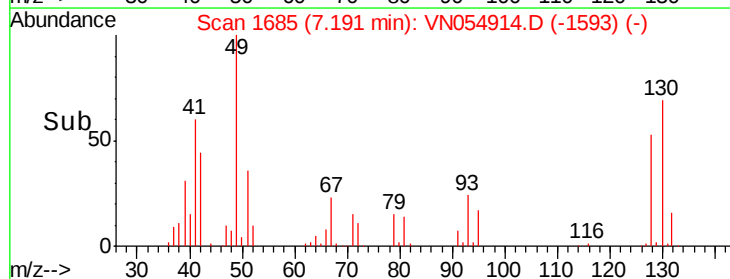
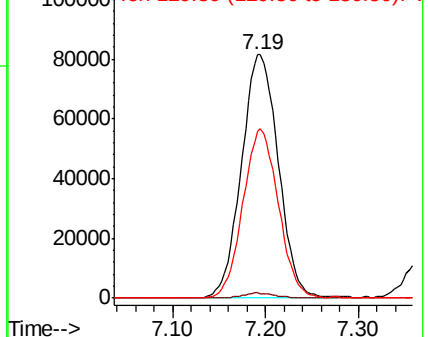
49 100

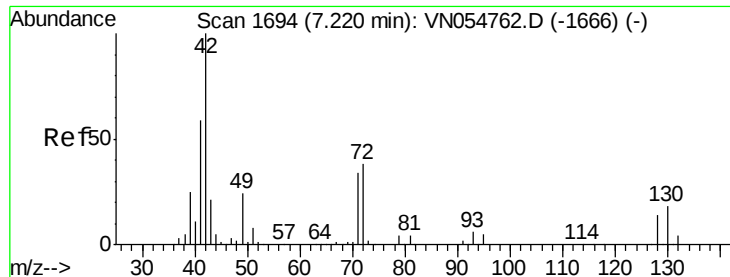
129 1.9 0.0 4.6

130 66.8 76.7 115.1#



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

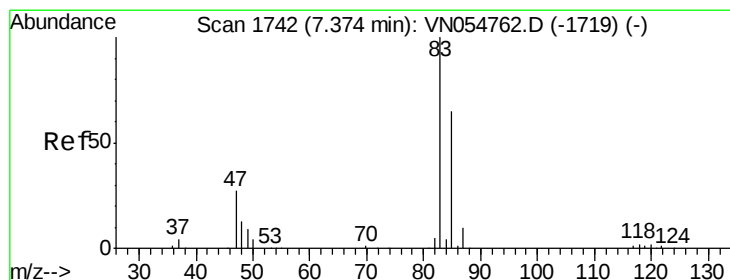
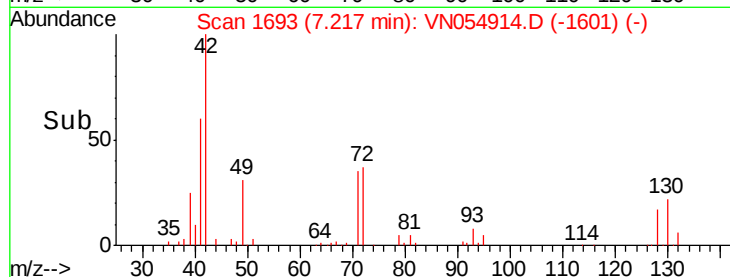
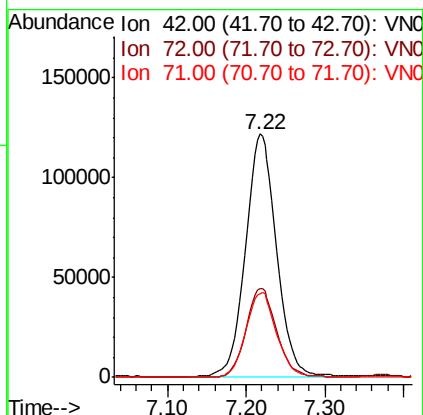
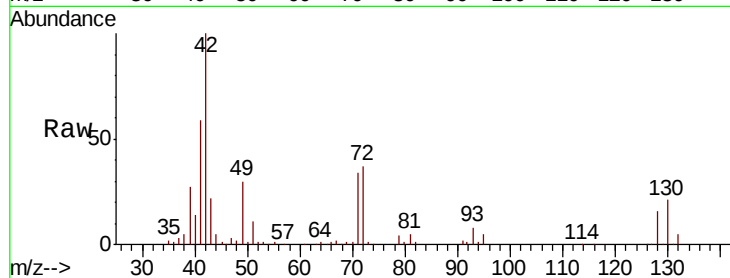




#29
Tetrahydrofuran
Concen: 232.266 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN054914.D
Acq: 3 Apr 2019 9:10

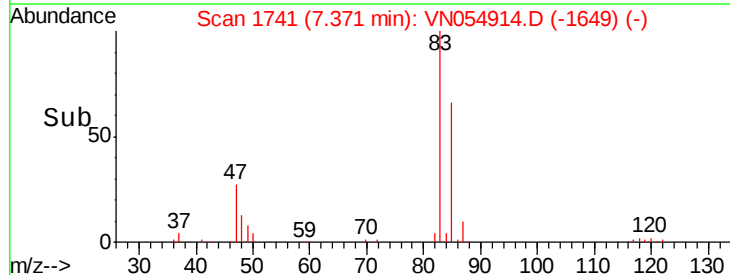
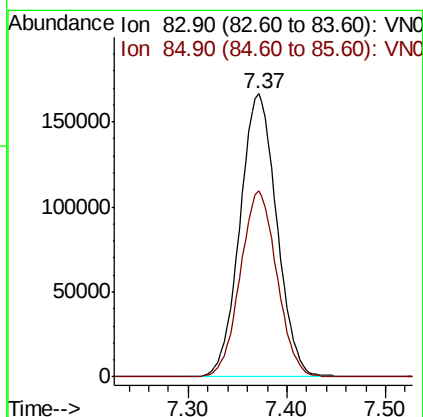
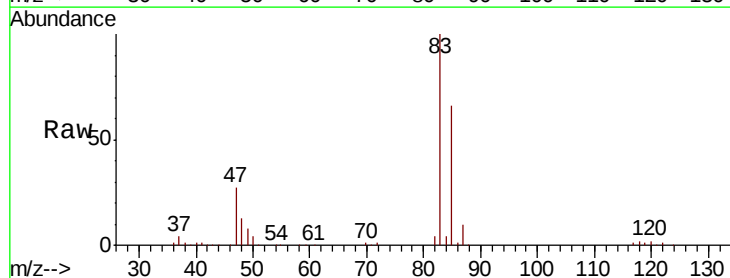
Instrument :
MSVOA_N
ClientSampleId :

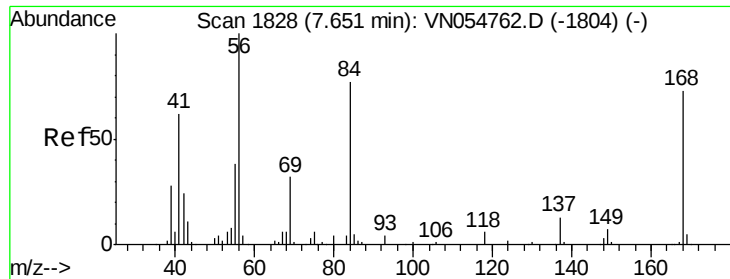
Tot Ion: 42 Resp: 337890
Ion Ratio Lower Upper
42 100
72 36.2 37.8 56.6#
71 34.9 36.2 54.2#



#30
Chloroform
Concen: 50.114 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054914.D
Acq: 3 Apr 2019 9:10

Tgt Ion: 83 Resp: 430283
Ion Ratio Lower Upper
83 100
85 65.7 52.2 78.4

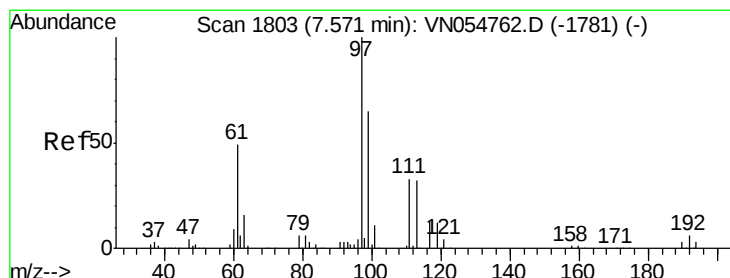
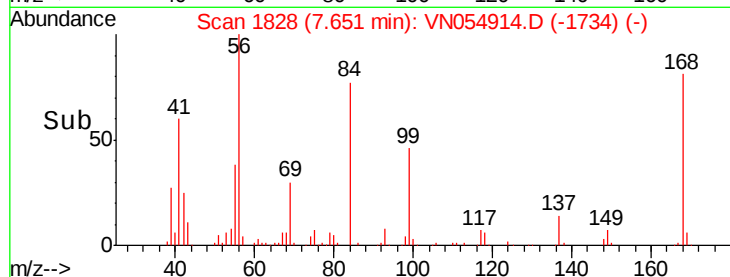
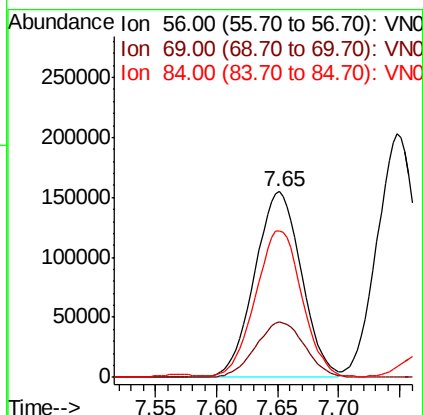
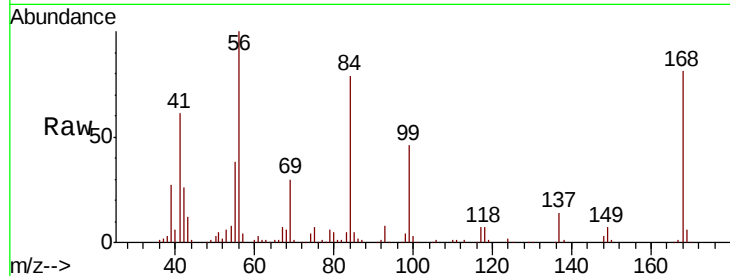




#31
Cyclohexane
Concen: 50.269 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054914.D
Acq: 3 Apr 2019 9:10

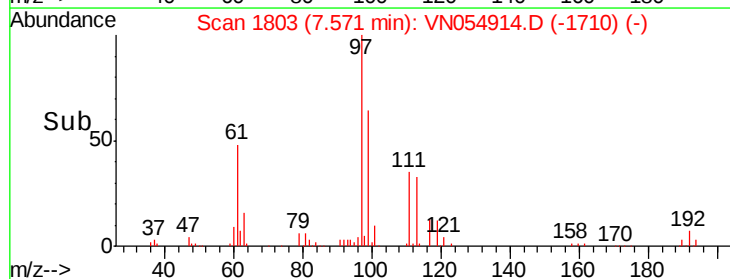
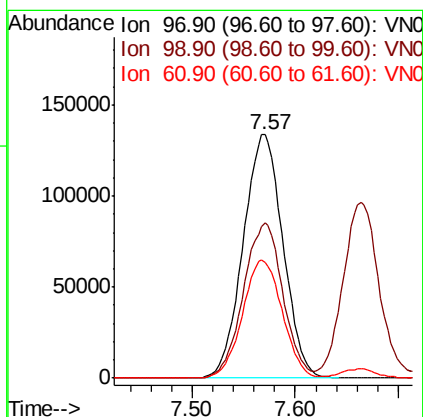
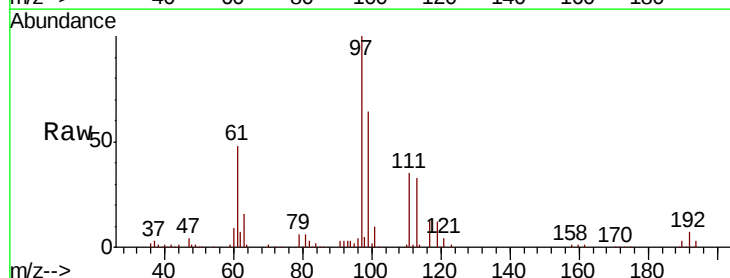
Instrument :
MSVOA_N
ClientSampled :

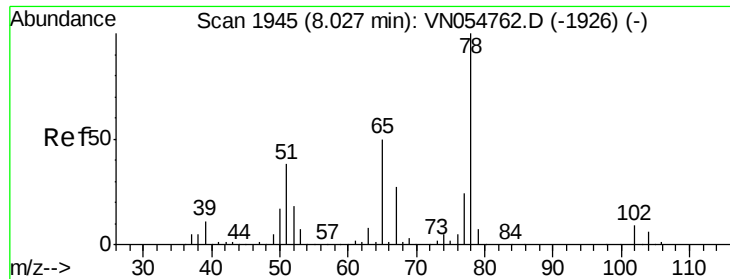
Tot Ion: 56 Resp: 412344
Ion Ratio Lower Upper
56 100
69 29.9 27.8 41.6
84 77.7 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 50.410 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054914.D
Acq: 3 Apr 2019 9:10

Tgt Ion: 97 Resp: 358686
Ion Ratio Lower Upper
97 100
99 63.4 51.5 77.3
61 48.4 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 46.444 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

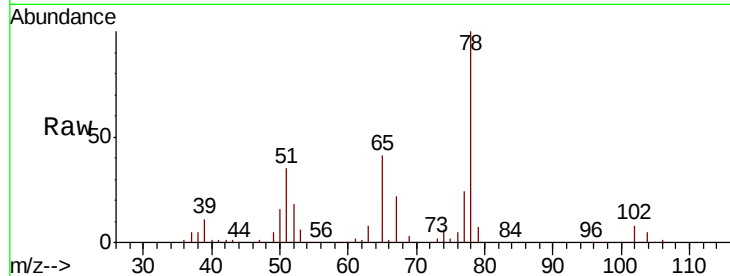
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 275972

Ion Ratio Lower Upper

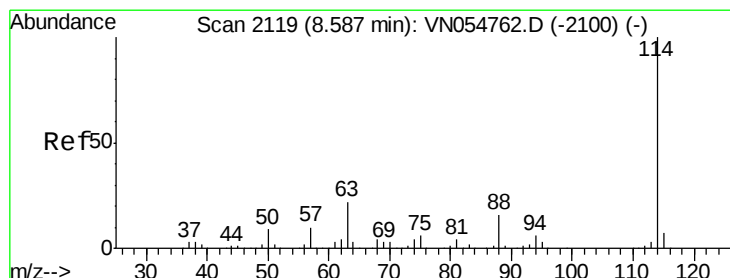
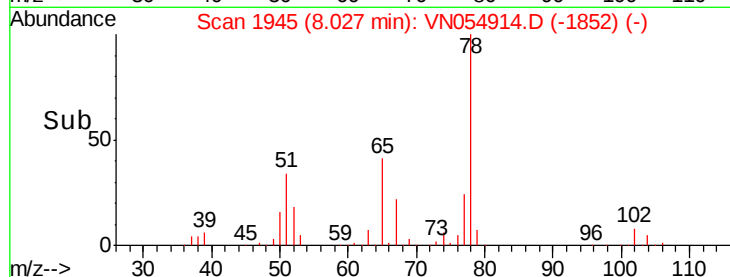
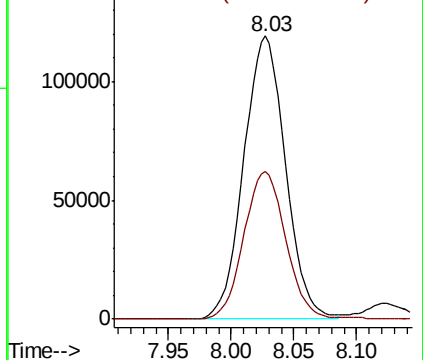
65 100

67 52.7 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054914.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN054914.D (-1926) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

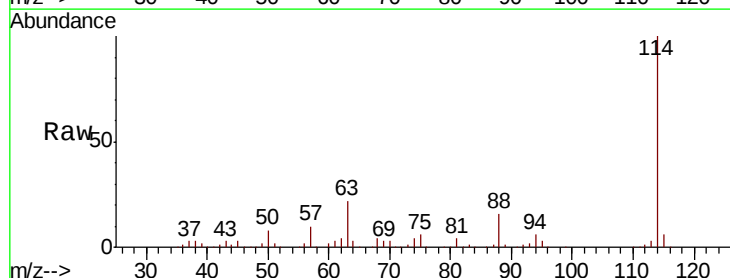
Tgt Ion: 114 Resp: 682826

Ion Ratio Lower Upper

114 100

63 22.1 0.0 35.2

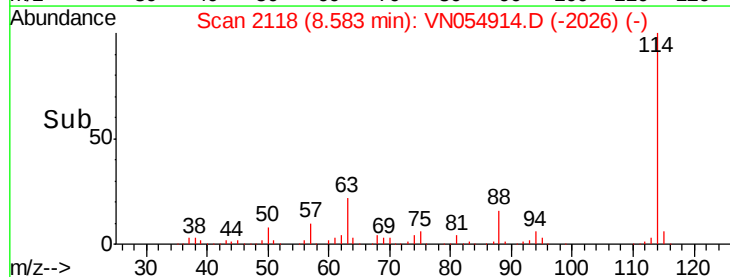
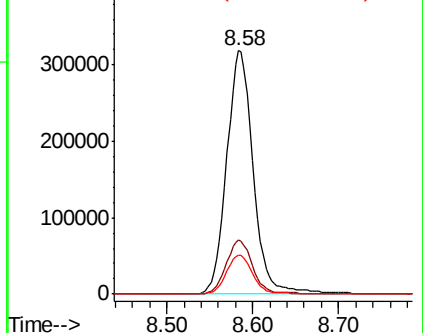
88 16.1 0.0 30.2

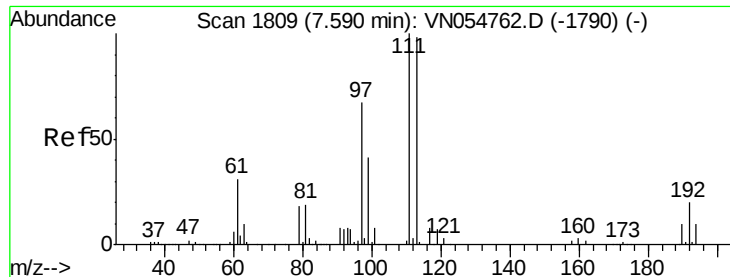


Abundance Ion 113.90 (113.60 to 114.60): VN054914.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN054914.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN054914.D (-2100) (-)

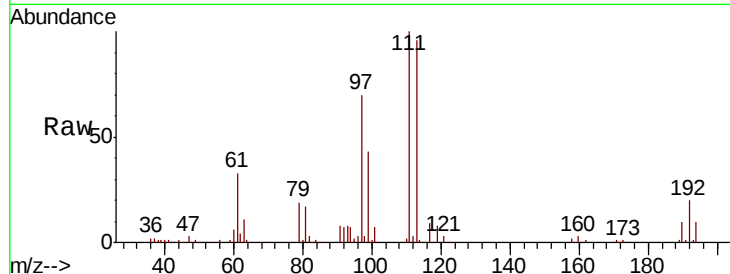




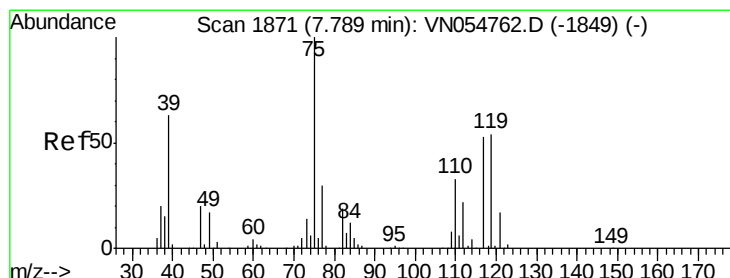
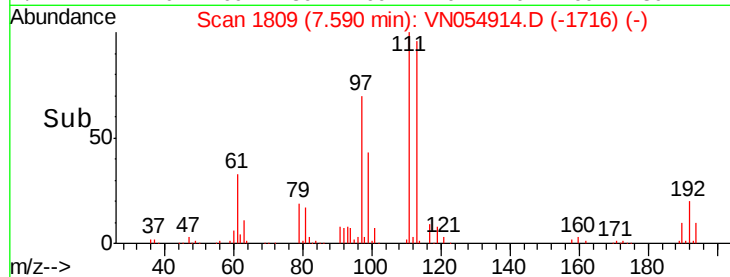
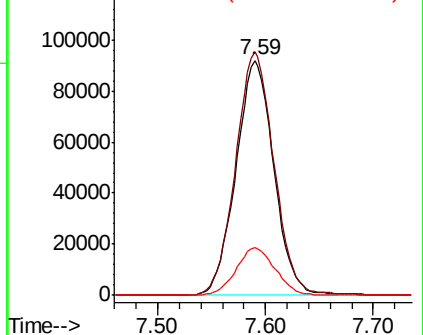
#35
 Dibromofluoromethane
 Concen: 49.409 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054914.D
 Acq: 3 Apr 2019 9:10

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.2	82.2	123.4
192	20.8	19.2	28.8

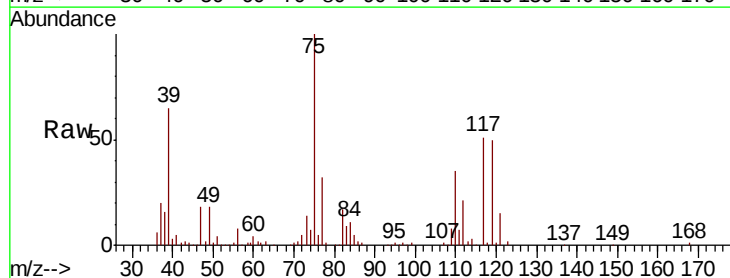


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

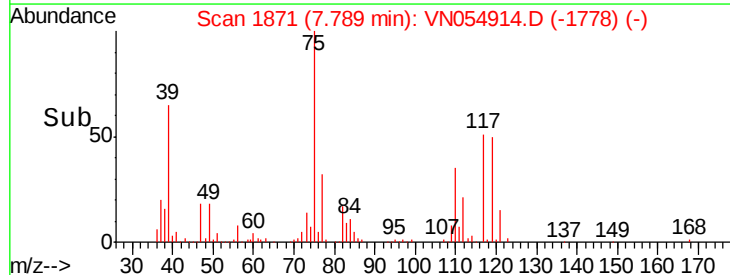
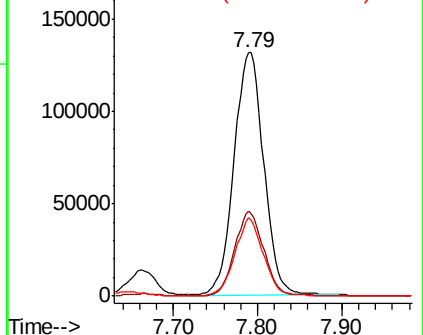


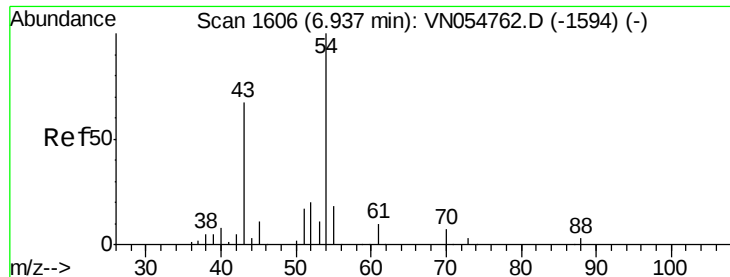
#36
 1,1-Dichloropropene
 Concen: 50.809 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054914.D
 Acq: 3 Apr 2019 9:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	19.1	57.5
77	30.7	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

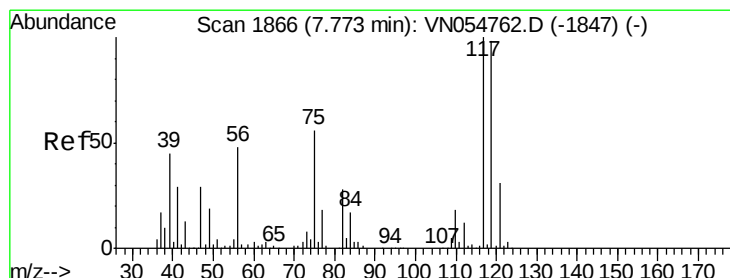
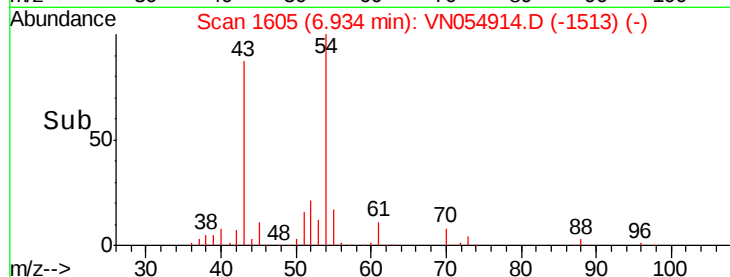
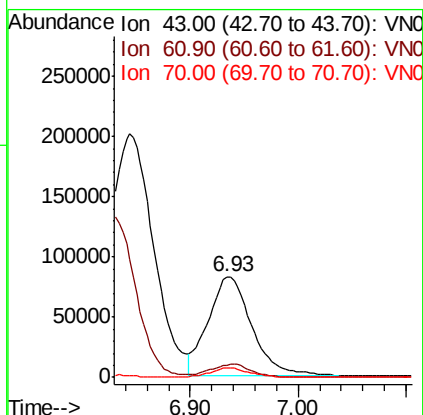
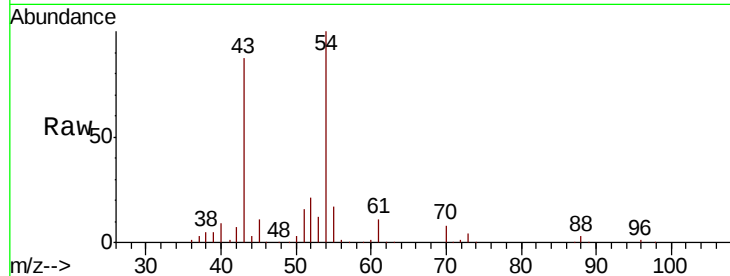




#37
Ethyl Acetate
Concen: 49.476 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN054914.D
Acq: 3 Apr 2019 9:10

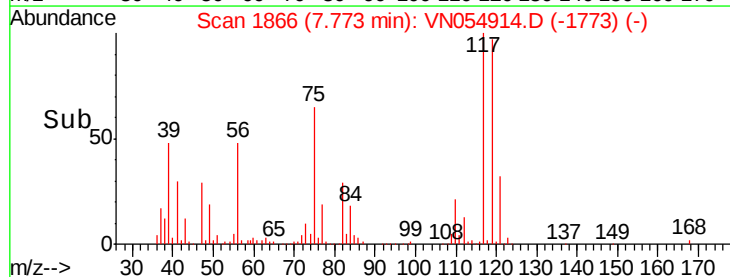
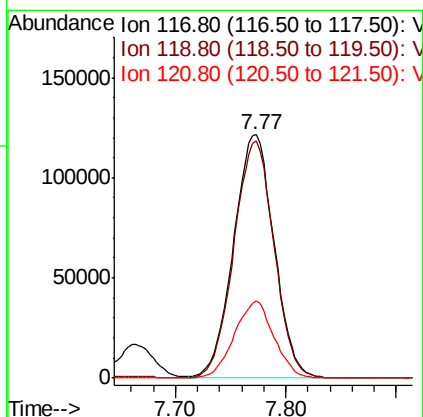
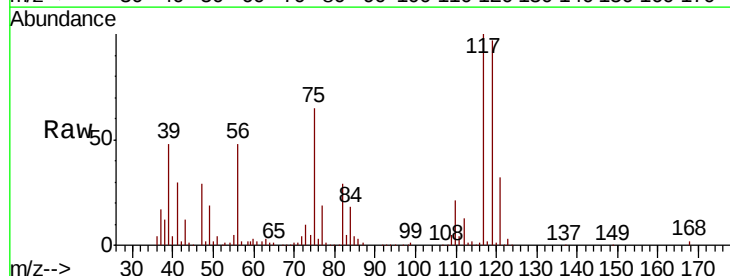
Instrument :
MSVOA_N
ClientSampleId :

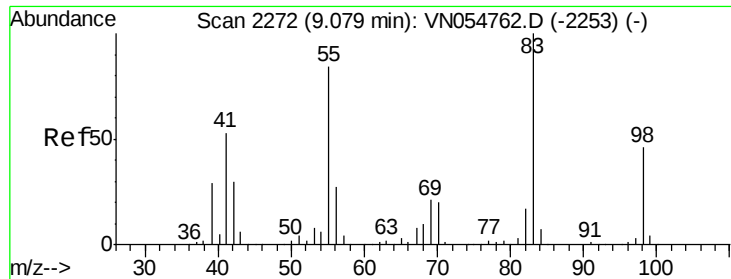
Tot Ion: 43 Resp: 230849
Ion Ratio Lower Upper
43 100
61 12.2 11.8 17.6
70 8.8 8.4 12.6



#38
Carbon Tetrachloride
Concen: 50.180 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054914.D
Acq: 3 Apr 2019 9:10

Tgt Ion: 117 Resp: 310101
Ion Ratio Lower Upper
117 100
119 97.1 76.3 114.5
121 31.6 24.6 36.8

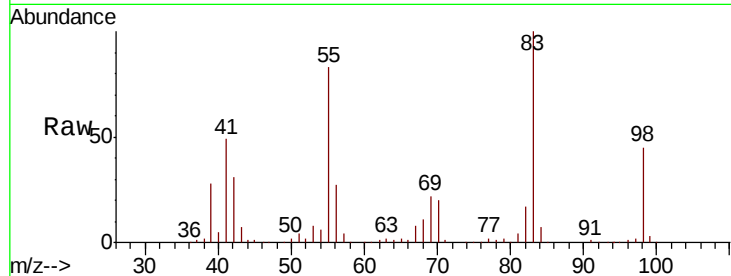




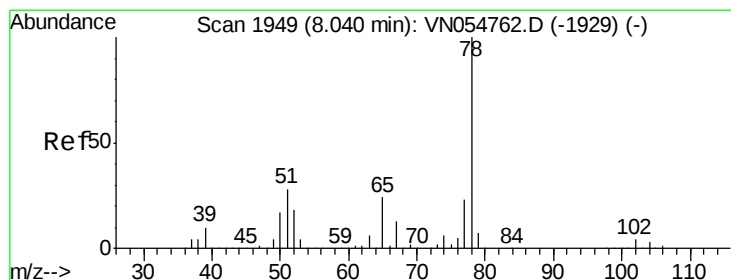
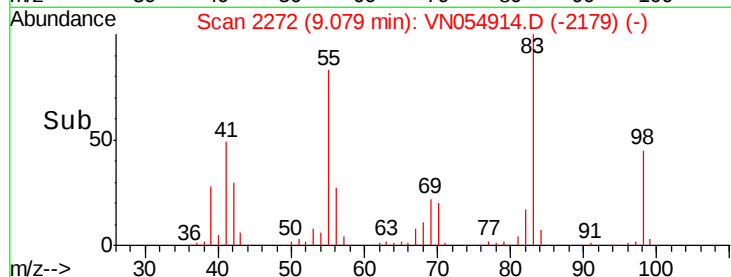
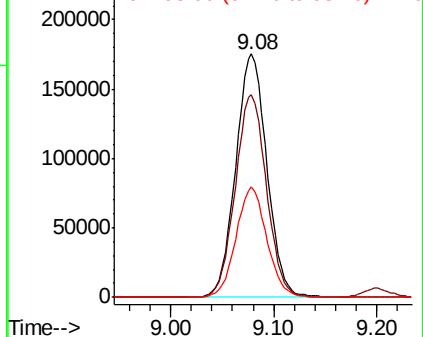
#39
Methvlcvclohexane
Concen: 52.790 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054914.D
Acq: 3 Apr 2019 9:10

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 369267
Ion Ratio Lower Upper
83 100
55 83.0 56.6 84.8
98 45.3 38.4 57.6

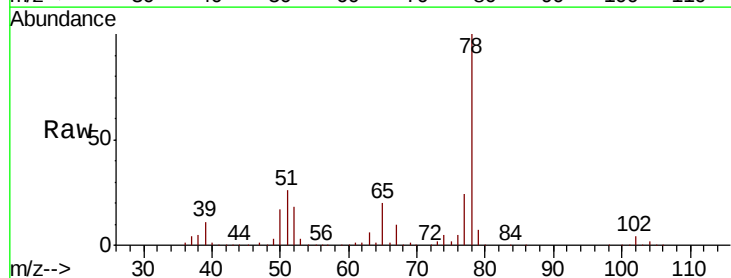


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

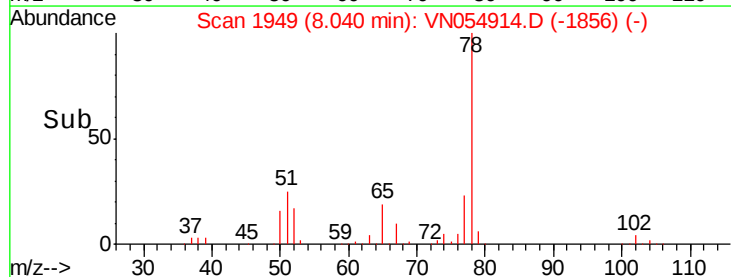
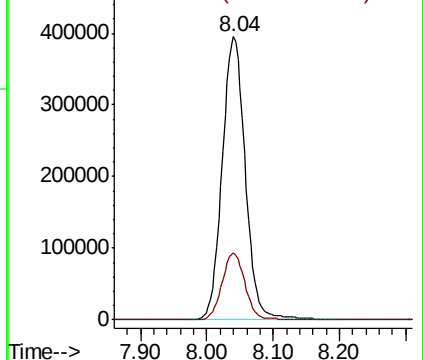


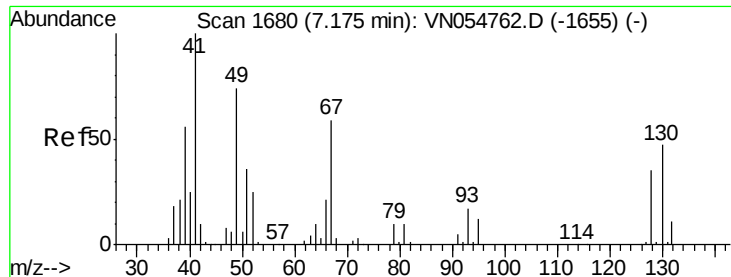
#40
Benzene
Concen: 52.669 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054914.D
Acq: 3 Apr 2019 9:10

Tgt Ion: 78 Resp: 958880
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

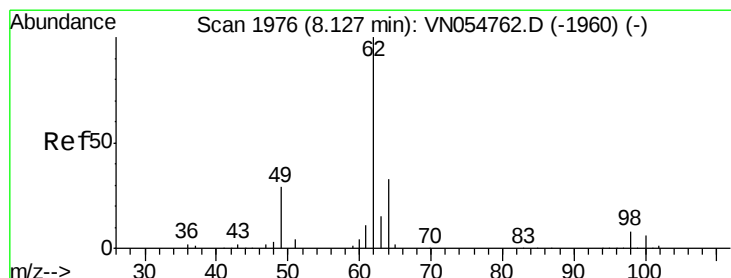
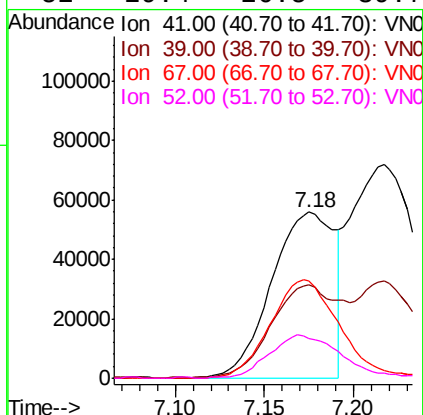
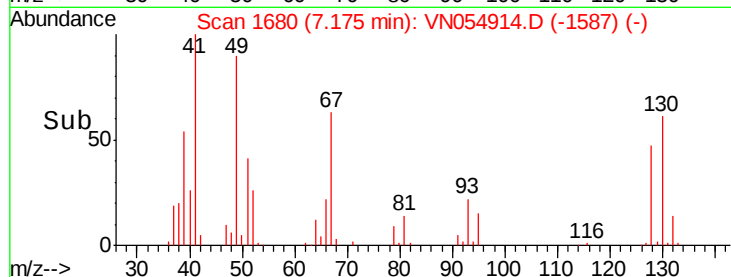
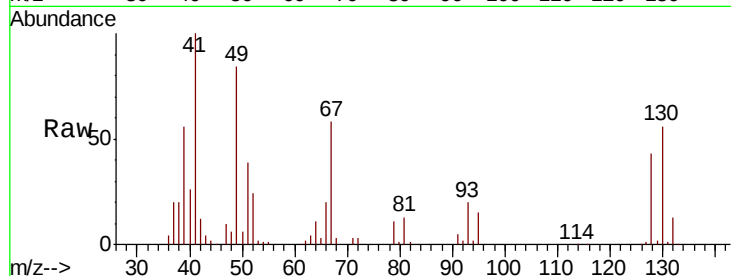




#41
Methacrylonitrile
Concen: 52.058 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054914.D
Acq: 3 Apr 2019 9:10

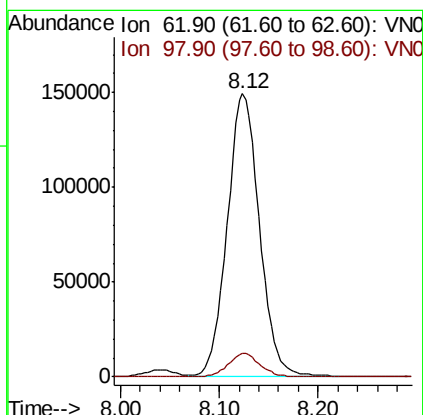
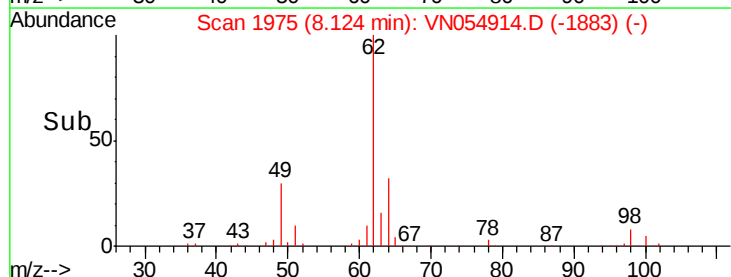
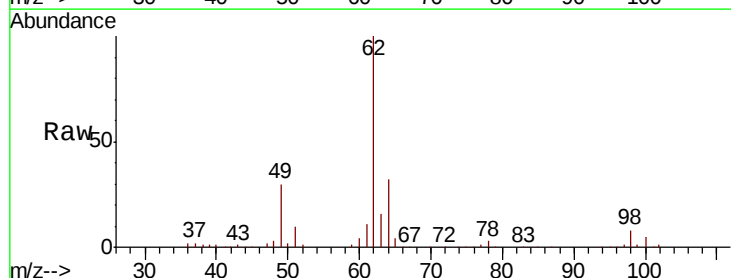
Instrument :
MSVOA_N
ClientSampled :

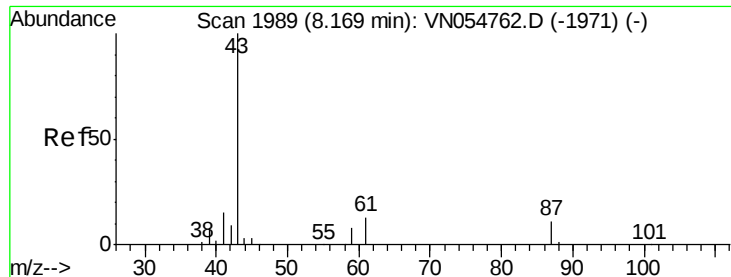
Tot Ion: 41 Resp: 136446
Ion Ratio Lower Upper
41 100
39 62.1 46.8 70.2
67 66.0 67.0 100.4#
52 29.4 26.5 39.7



#42
1,2-Dichloroethane
Concen: 52.048 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054914.D
Acq: 3 Apr 2019 9:10

Tgt Ion: 62 Resp: 338342
Ion Ratio Lower Upper
62 100
98 8.2 0.0 18.4





#43

Isopropyl Acetate

Concen: 51.627 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

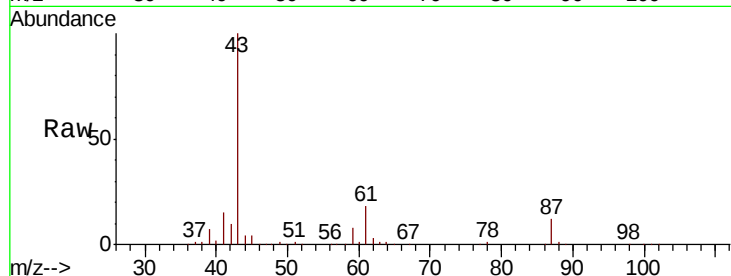
Tot Ion: 43 Resp: 391406

Ion Ratio Lower Upper

43 100

61 17.4 15.8 23.8

87 12.0 12.0 18.0

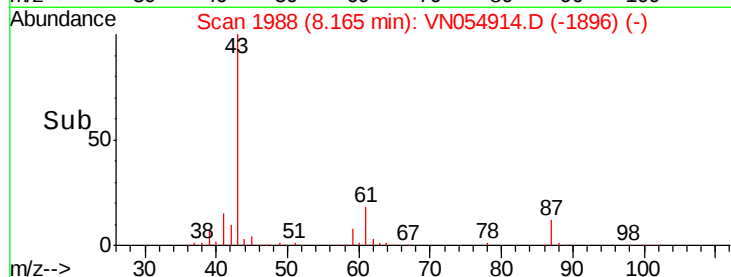


Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-1971) (-)

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

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

Time-->

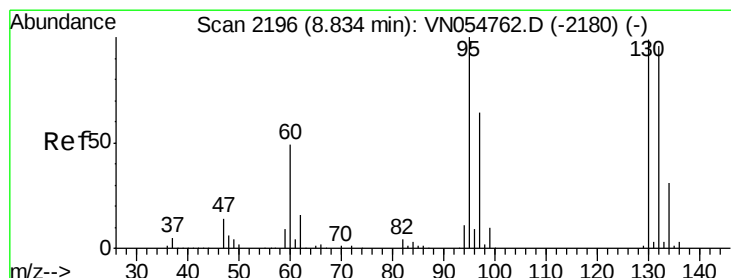


Abundance Ion 43.00 (42.70 to 43.70): VN054914.D (-1896) (-)

Ion 61.00 (60.70 to 61.70): VN054914.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN054914.D (-1896) (-)

Time-->



#44

Trichloroethene

Concen: 52.469 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054914.D

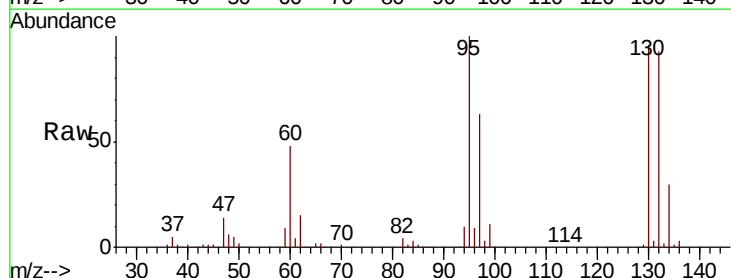
Acq: 3 Apr 2019 9:10

Tgt Ion:130 Resp: 247968

Ion Ratio Lower Upper

130 100

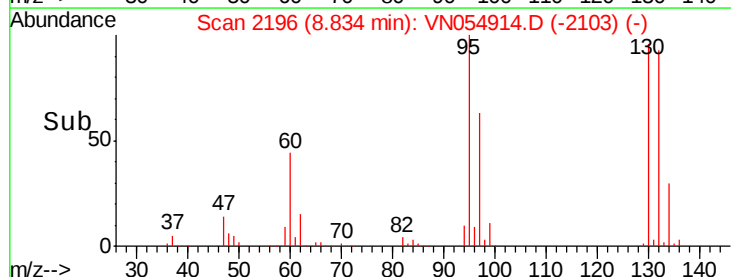
95 103.9 0.0 185.2



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

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

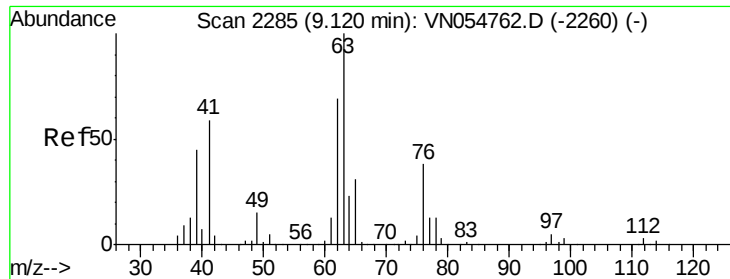
Time-->



Abundance Ion 129.80 (129.50 to 130.50): VN054914.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN054914.D (-2103) (-)

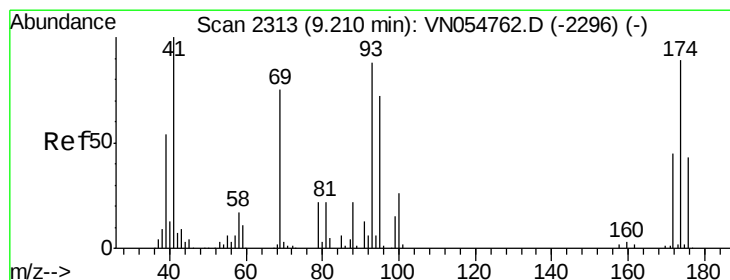
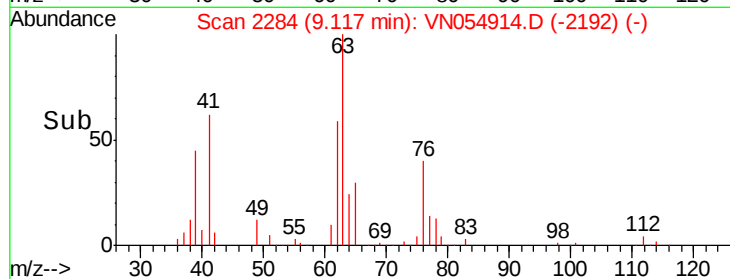
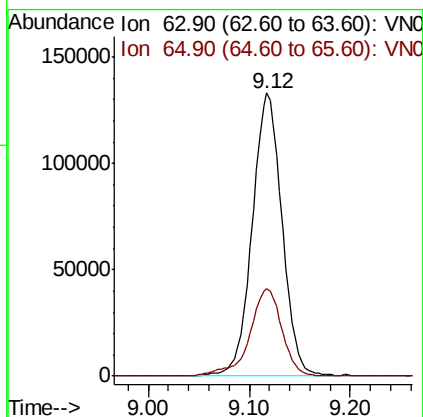
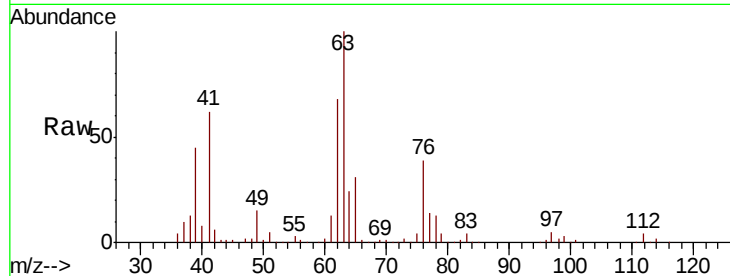
Time-->



#45
 1,2-Dichloropropane
 Concen: 52.346 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054914.D
 Acq: 3 Apr 2019 9:10

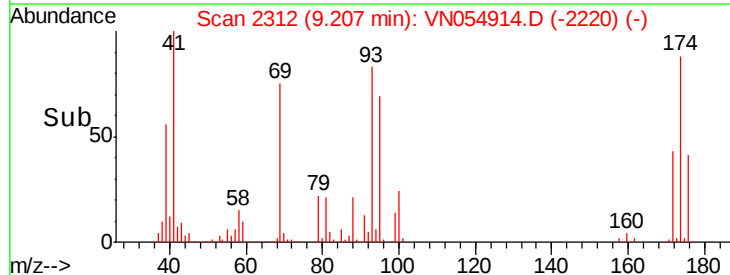
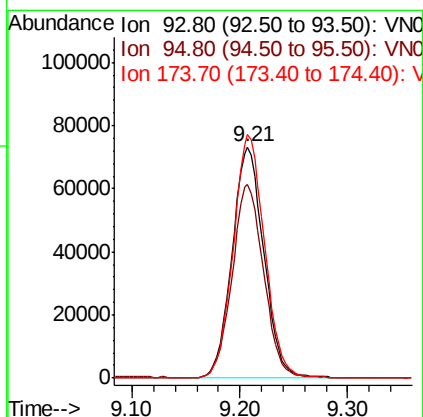
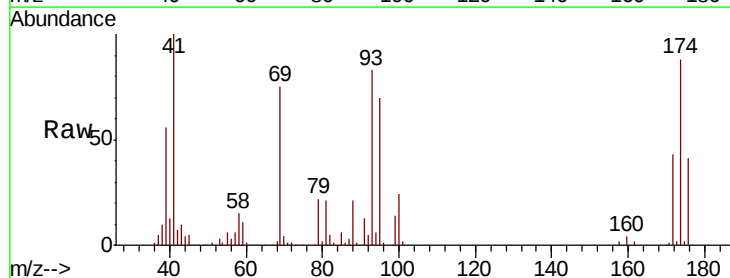
Instrument :
 MSVOA_N
 ClientSampleId :

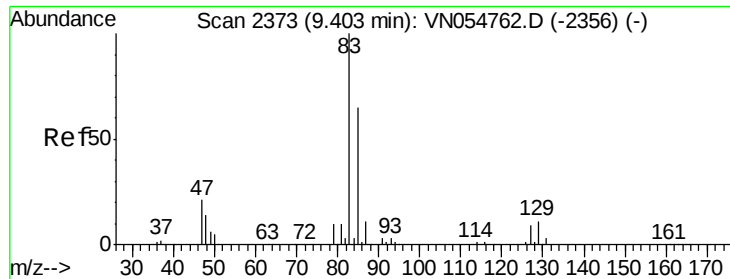
Tot Ion: 63 Resp: 271738
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.6



#46
 Dibromomethane
 Concen: 51.418 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054914.D
 Acq: 3 Apr 2019 9:10

Tgt Ion: 93 Resp: 150155
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.7 100.1
 174 104.5 98.5 147.7





#47

Bromodichloromethane

Concen: 55.304 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

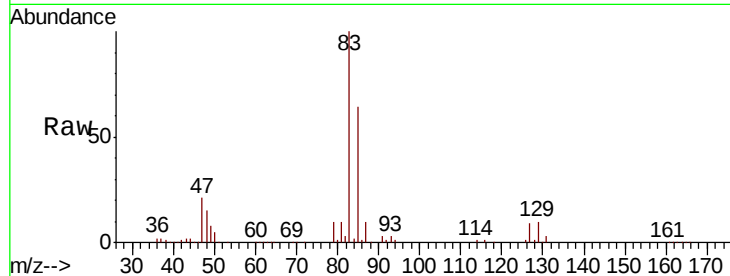
Tot Ion: 83 Resp: 335647

Ion Ratio Lower Upper

83 100

85 64.4 52.8 79.2

127 8.8 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054762.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN054762.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN054762.D (-2356) (-)

9.40

150000

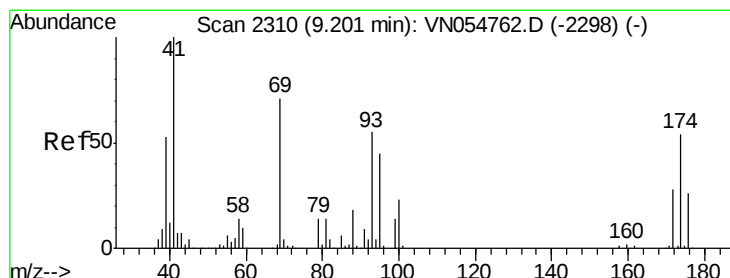
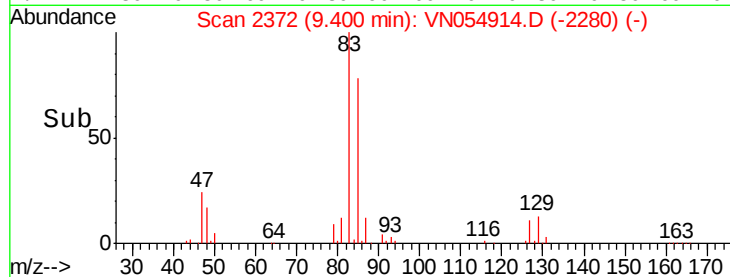
100000

50000

0

9.30 9.40 9.50

Time-->



#48

Methyl methacrylate

Concen: 48.420 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

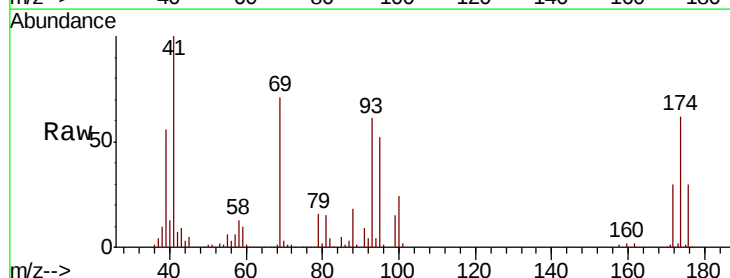
Tgt Ion: 41 Resp: 198989

Ion Ratio Lower Upper

41 100

69 76.9 72.6 108.8

39 56.8 47.5 71.3



Abundance Ion 41.00 (40.70 to 41.70): VN054762.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN054762.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN054762.D (-2298) (-)

9.20

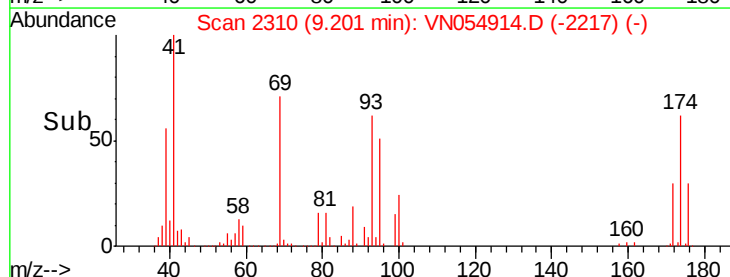
100000

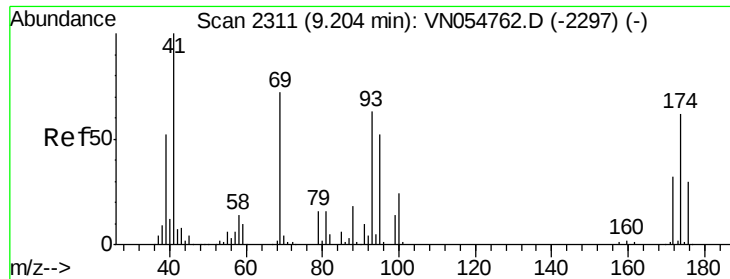
50000

0

9.15 9.20 9.25

Time-->





#49

1,4-Dioxane

Concen: 1024.544 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :

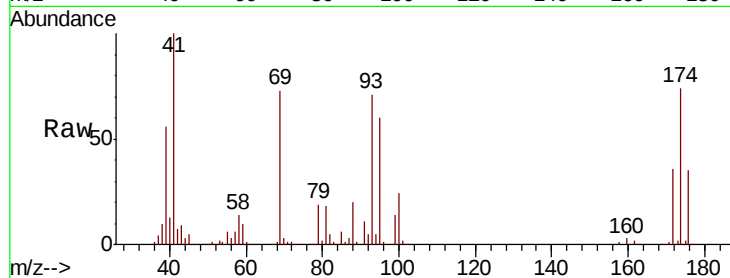
Tot Ion: 88 Resp: 41778

Ion Ratio Lower Upper

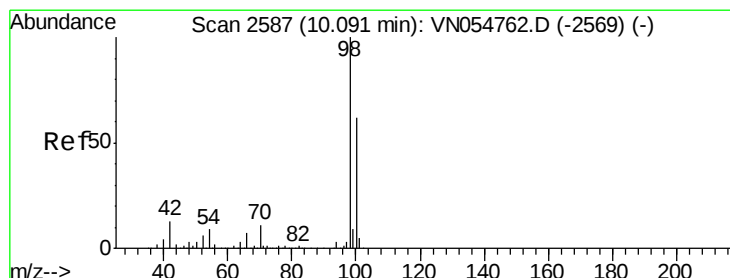
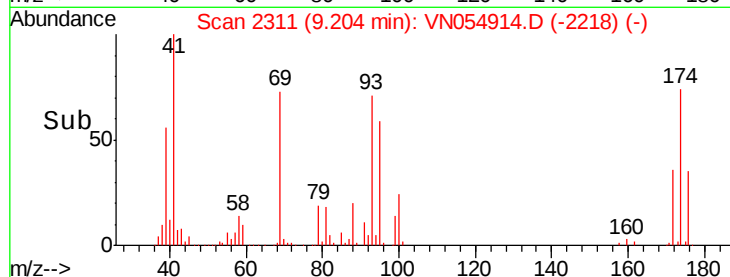
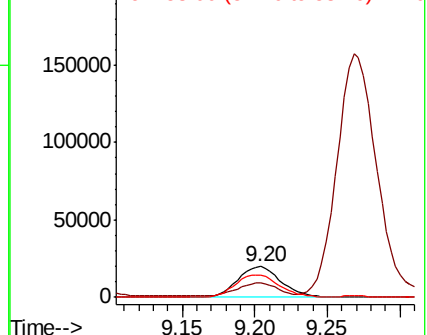
88 100

43 39.3 24.1 36.1#

58 73.7 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: 49.837 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054914.D

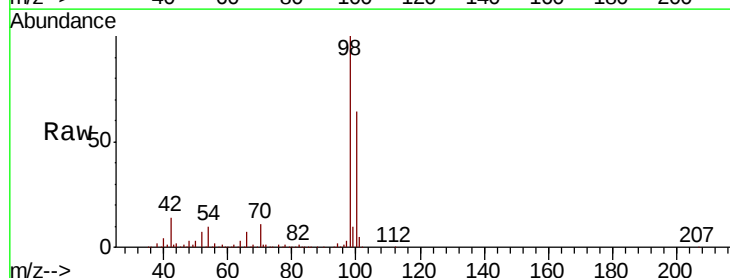
Acq: 3 Apr 2019 9:10

Tgt Ion: 98 Resp: 843479

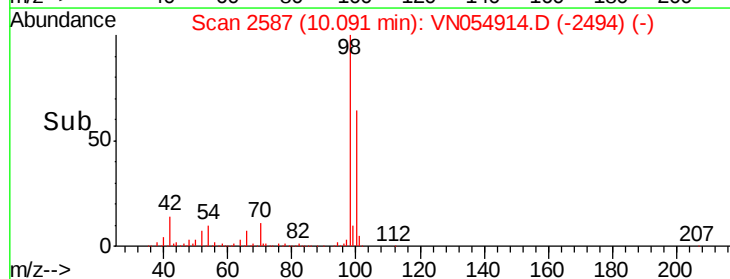
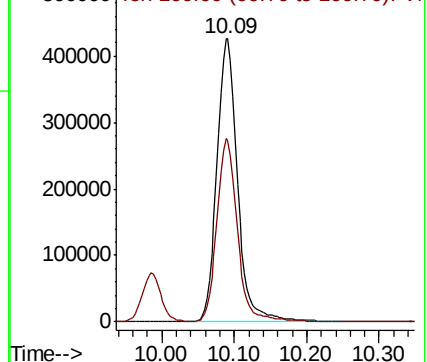
Ion Ratio Lower Upper

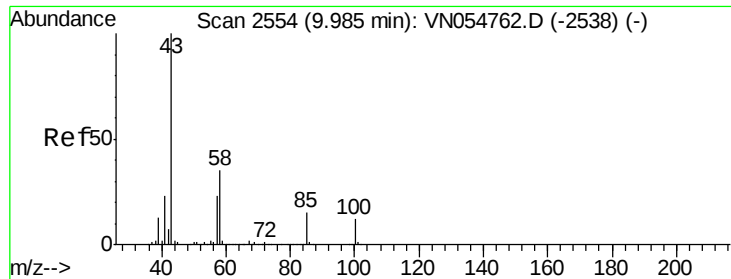
98 100

100 64.0 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: 263.404 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

Instrument :

MSVOA_N

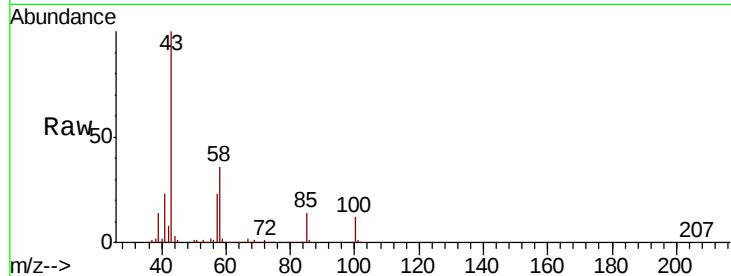
ClientSampleId :

Tot Ion: 43 Resp: 1122744

Ion Ratio Lower Upper

43 100

58 35.0 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054762.D (-2538) (-)

600000

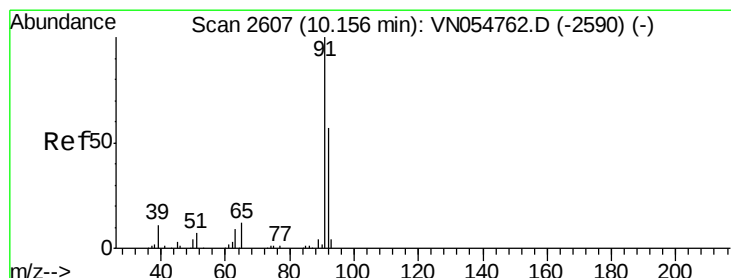
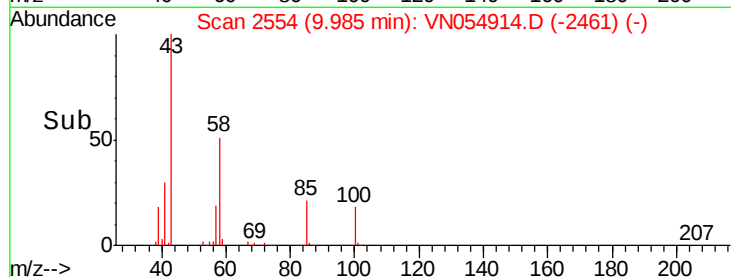
400000

200000

0

9.90 9.99 10.00 10.10

Time-->



#52

Toluene

Concen: 53.465 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN054914.D

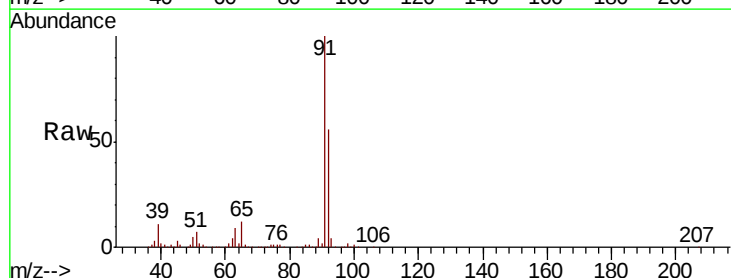
Acq: 3 Apr 2019 9:10

Tgt Ion: 92 Resp: 579201

Ion Ratio Lower Upper

92 100

91 175.2 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054762.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN054762.D (-2590) (-)

600000

500000

400000

300000

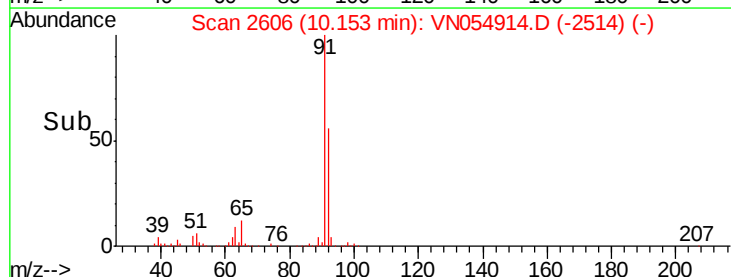
200000

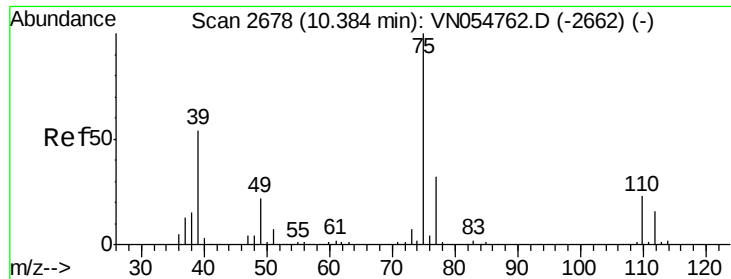
100000

0

10.00 10.15 10.20 10.40

Time-->





#53

t-1,3-Dichloropropene

Concen: 55.199 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

Instrument :

MSVOA_N

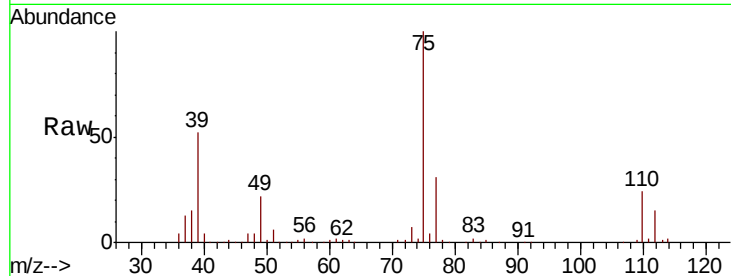
ClientSampleId :

Tot Ion: 75 Resp: 315136

Ion Ratio Lower Upper

75 100

77 30.3 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

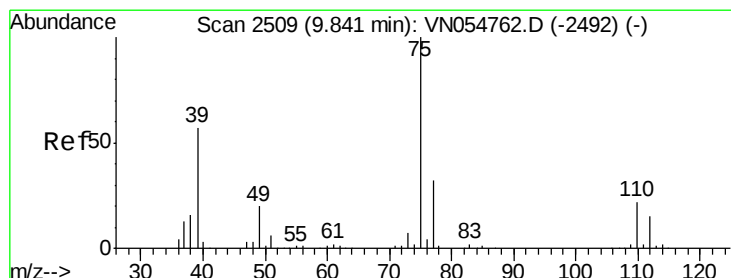
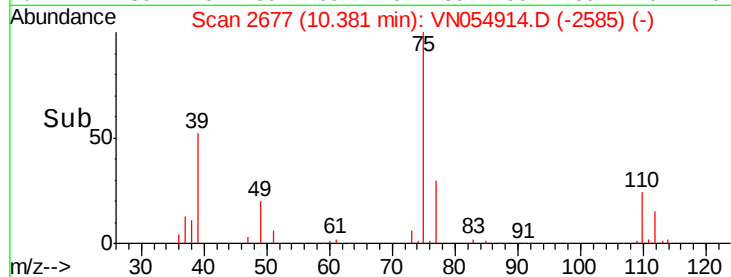
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 56.351 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

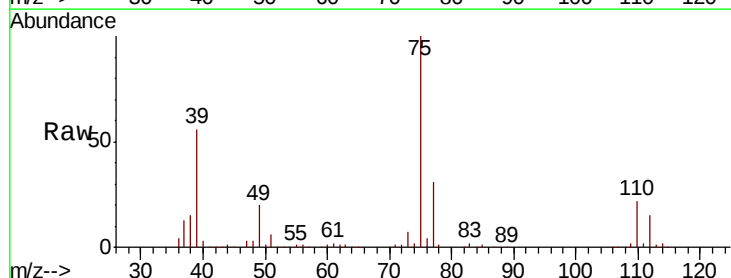
Tgt Ion: 75 Resp: 384300

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

39 56.2 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

250000

200000

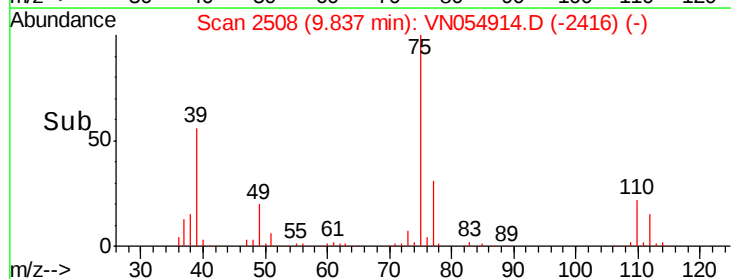
150000

100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 51.381 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

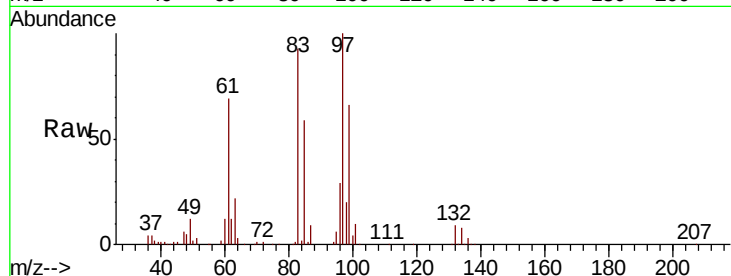
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 206974

Ion	Ratio	Lower	Upper
97	100		
83	92.6	66.6	100.0
85	58.7	44.4	66.6
99	65.6	50.8	76.2

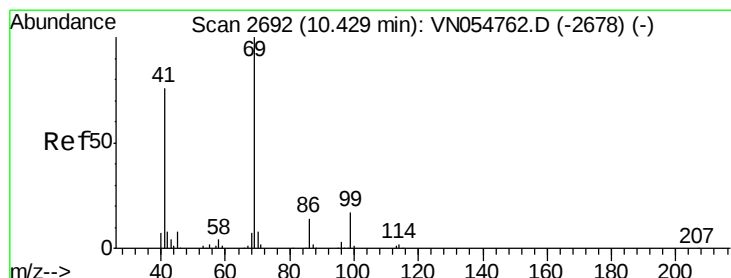
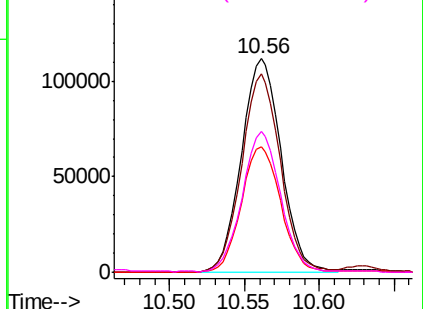
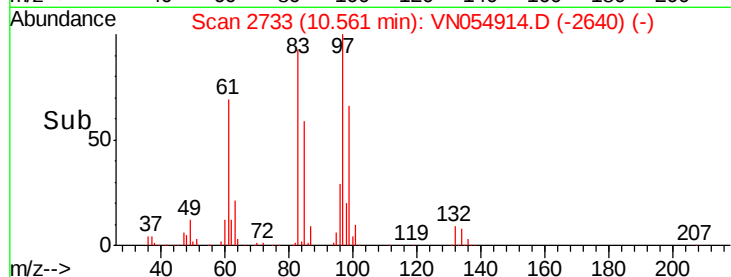


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 52.602 ug/l

RT: 10.43 min Scan# 2692

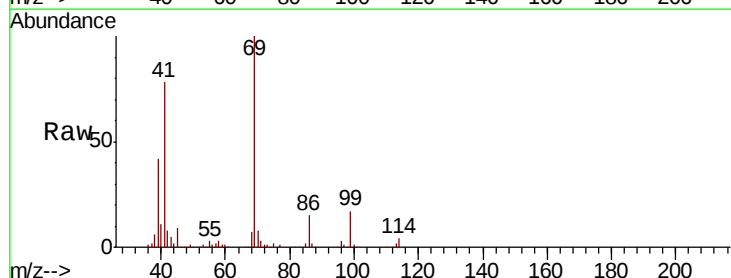
Delta R.T. 0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

Tgt Ion: 69 Resp: 277959

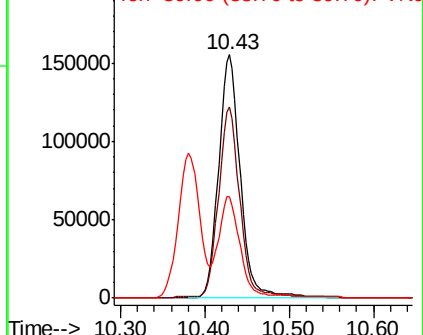
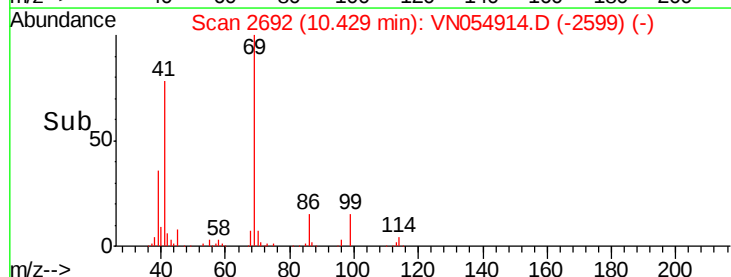
Ion	Ratio	Lower	Upper
69	100		
41	75.7	49.4	74.2#
39	38.7	28.3	42.5

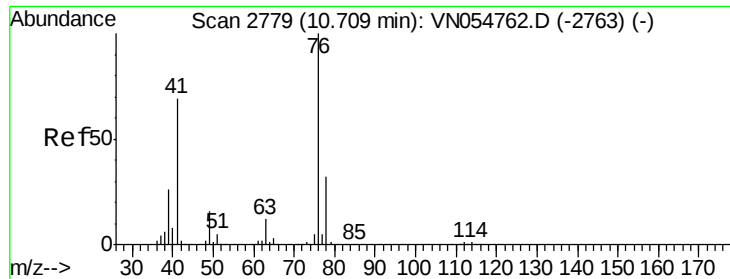


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 52.815 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

Instrument :

MSVOA_N

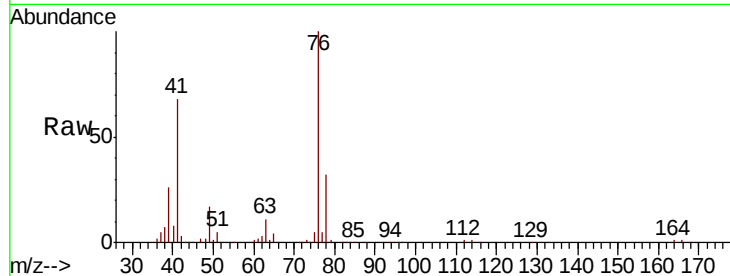
ClientSampled :

Tot Ion: 76 Resp: 365759

Ion Ratio Lower Upper

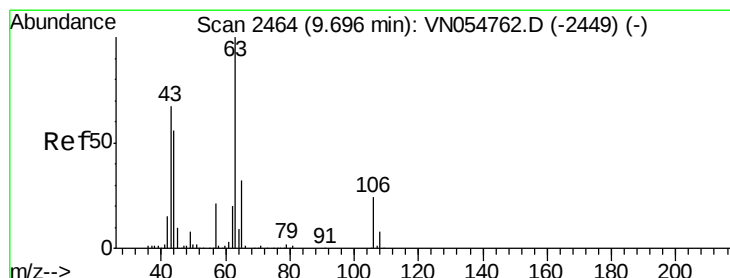
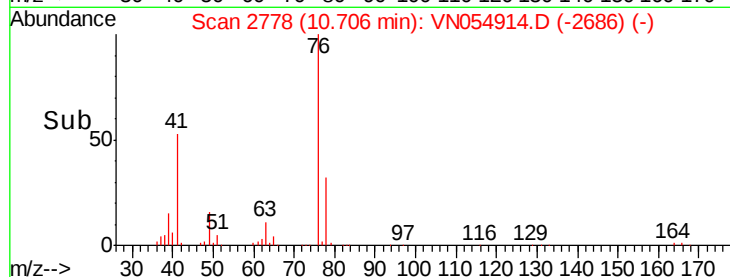
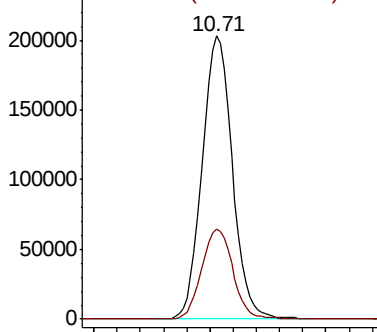
76 100

78 32.9 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 254.523 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN054914.D

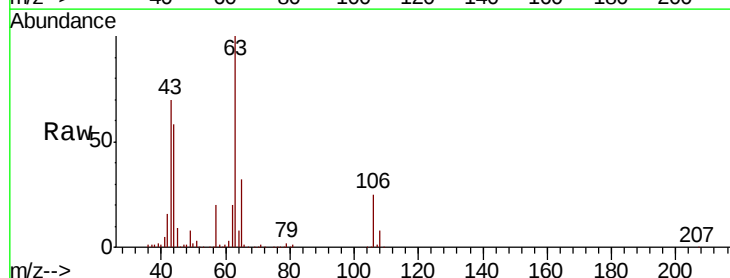
Acq: 3 Apr 2019 9:10

Tgt Ion: 63 Resp: 579791

Ion Ratio Lower Upper

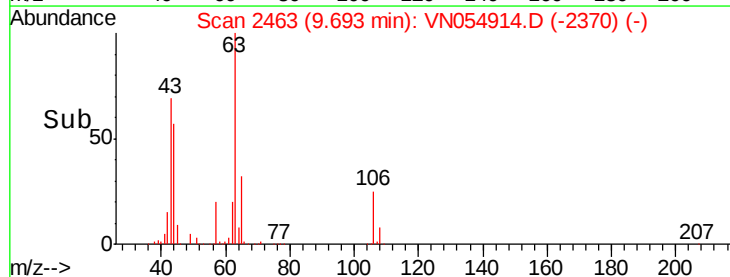
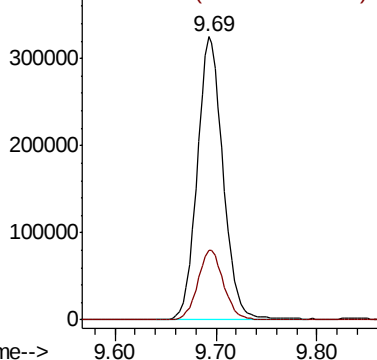
63 100

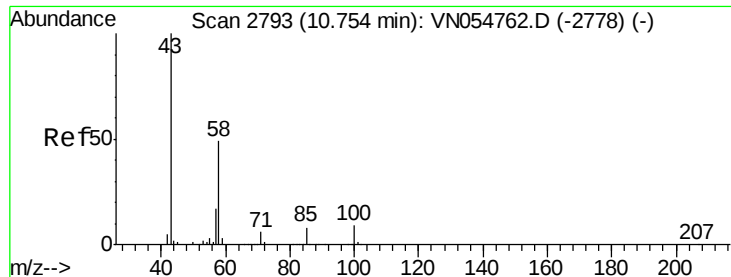
106 24.4 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

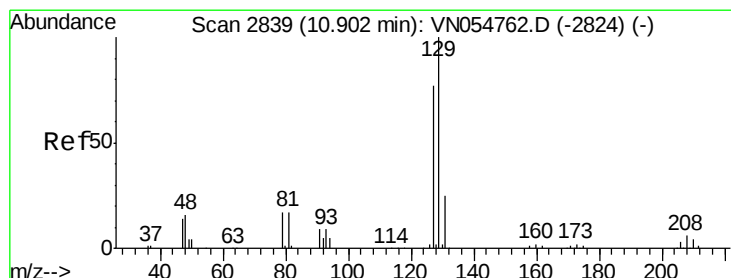
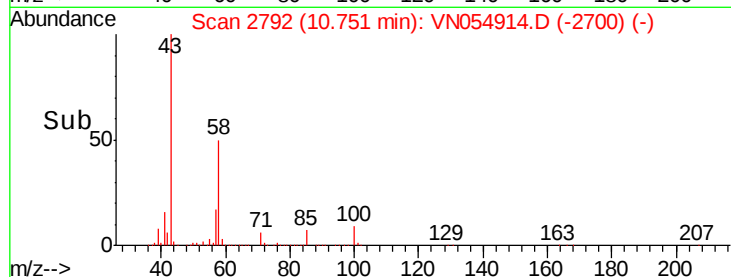
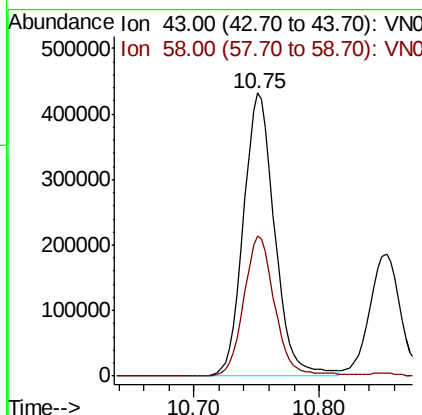
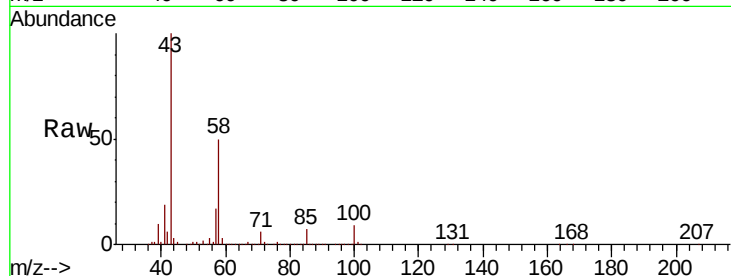




#59
2-Hexanone
Concen: 273.699 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN054914.D
Acq: 3 Apr 2019 9:10

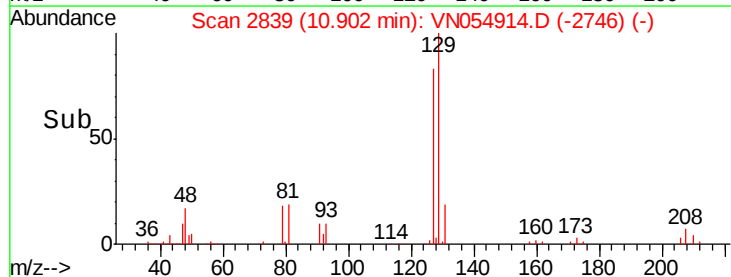
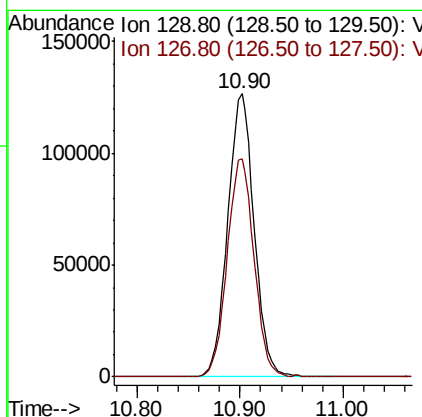
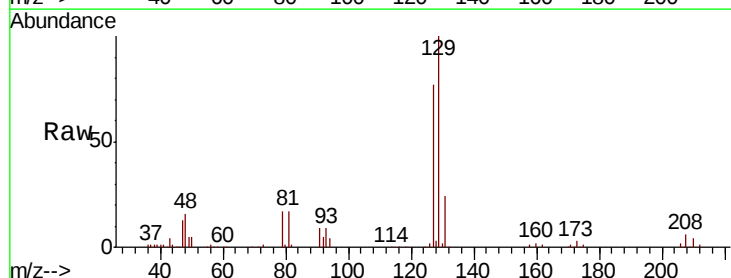
Instrument :
MSVOA_N
ClientSampleId :

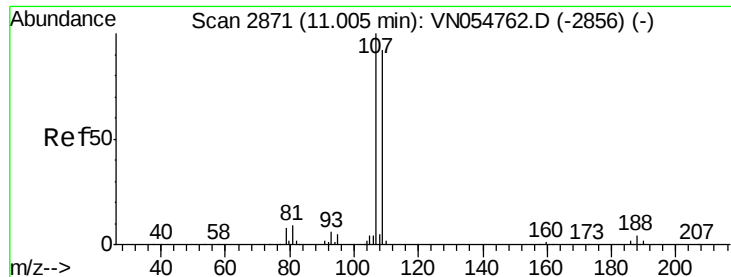
Tot Ion: 43 Resp: 746829
Ion Ratio Lower Upper
43 100
58 49.4 28.0 83.9



#60
Dibromochloromethane
Concen: 55.445 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054914.D
Acq: 3 Apr 2019 9:10

Tgt Ion: 129 Resp: 226243
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.8

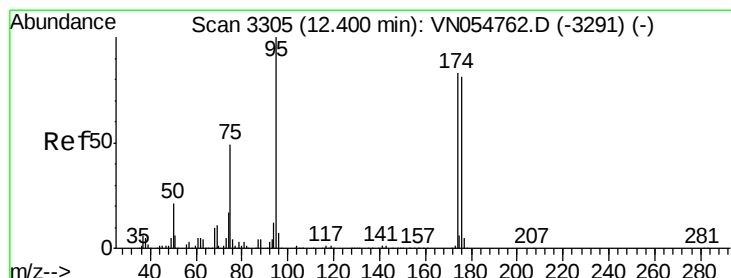
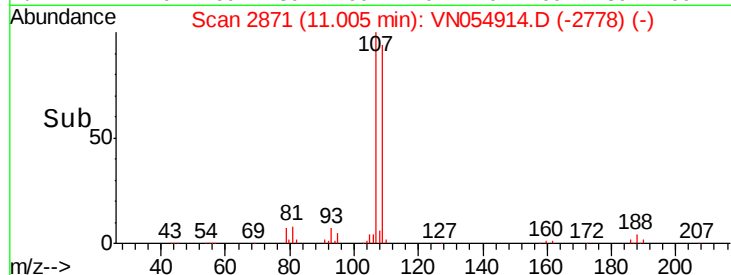
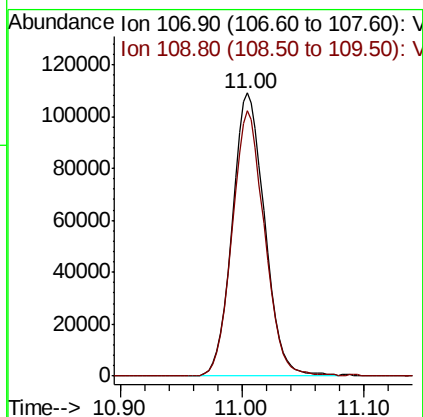
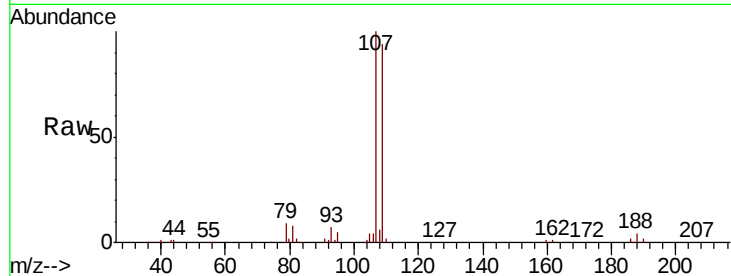




#61
 1,2-Dibromoethane
 Concen: 52.190 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN054914.D
 Acq: 3 Apr 2019 9:10

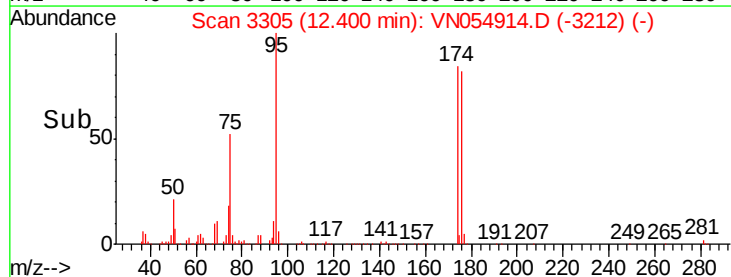
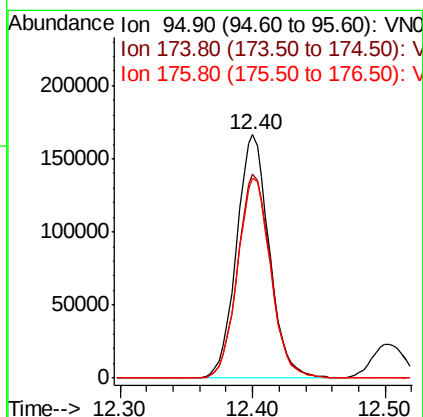
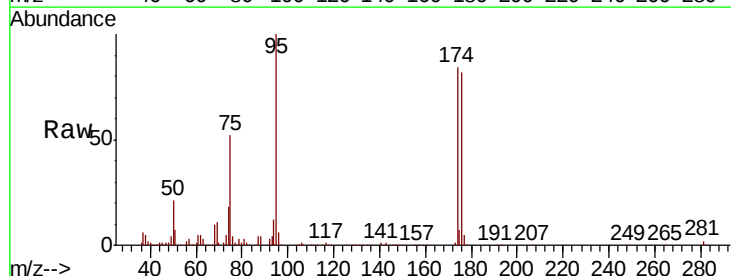
Instrument :
 MSVOA_N
 ClientSampleId :

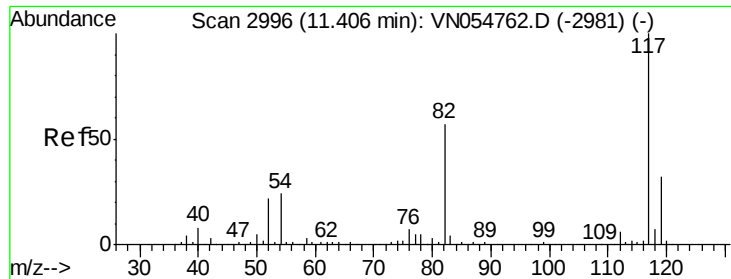
Tot Ion: 107 Resp: 200908
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 50.578 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054914.D
 Acq: 3 Apr 2019 9:10

Tgt Ion: 95 Resp: 284691
 Ion Ratio Lower Upper
 95 100
 174 85.1 0.0 191.0
 176 83.4 0.0 187.4

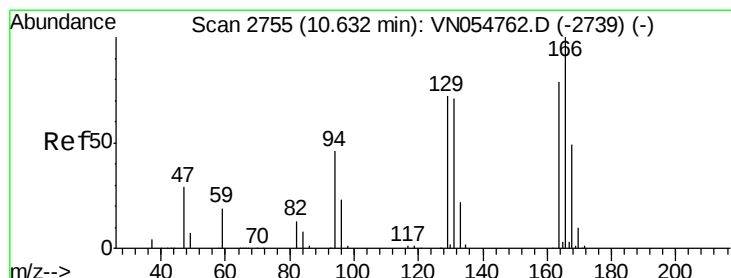
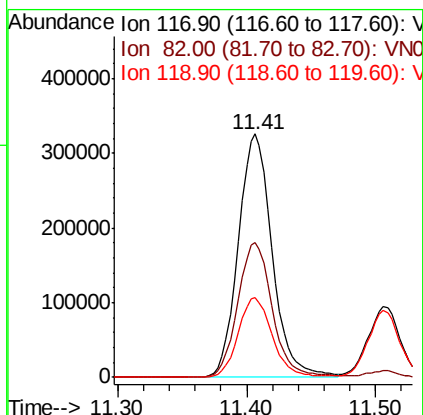
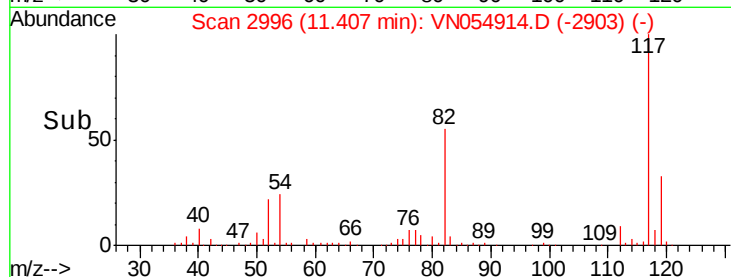
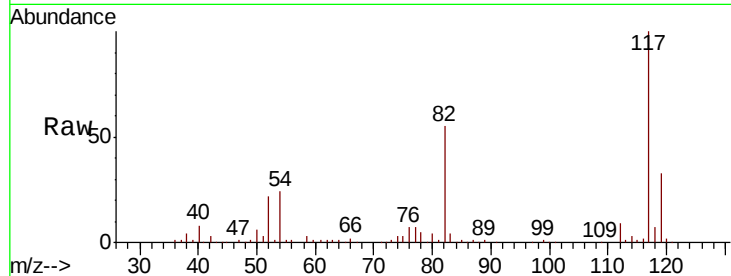




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054914.D
Acq: 3 Apr 2019 9:10

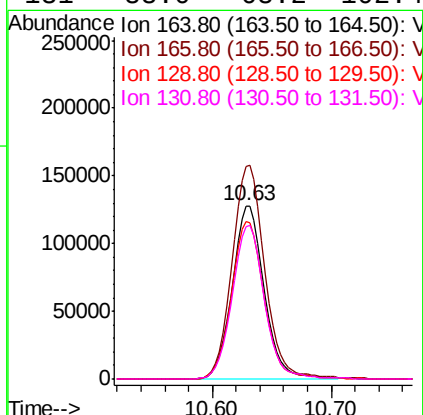
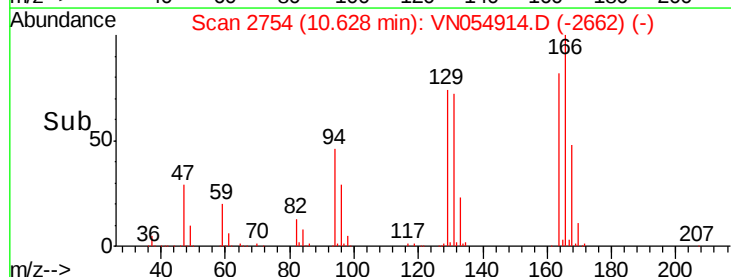
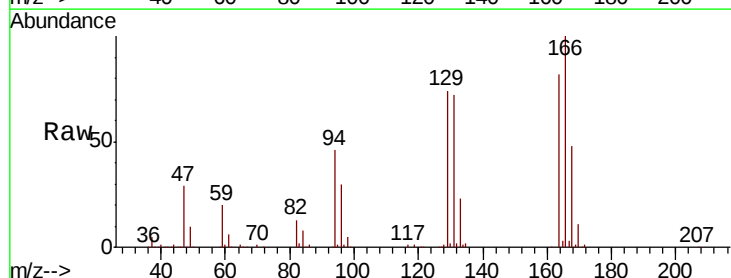
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 597023
Ion Ratio Lower Upper
117 100
82 55.4 40.0 60.0
119 32.6 25.8 38.6



#64
Tetrachloroethene
Concen: 51.933 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN054914.D
Acq: 3 Apr 2019 9:10

Tgt Ion:164 Resp: 237924
Ion Ratio Lower Upper
164 100
166 122.6 103.9 155.9
129 91.1 71.1 106.7
131 88.0 68.2 102.4

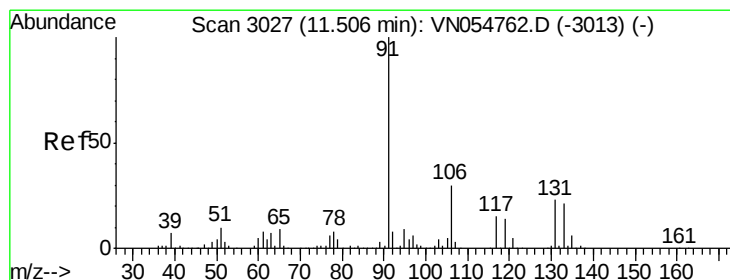
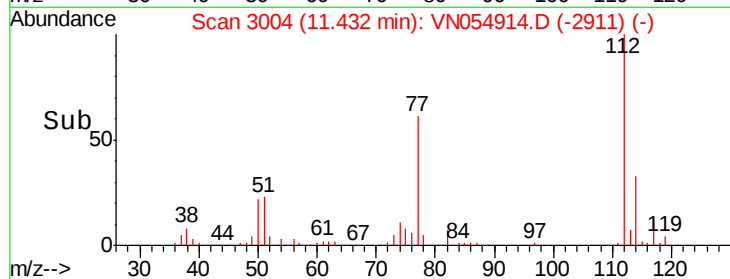
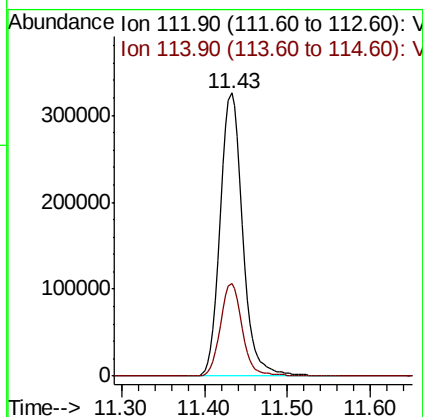
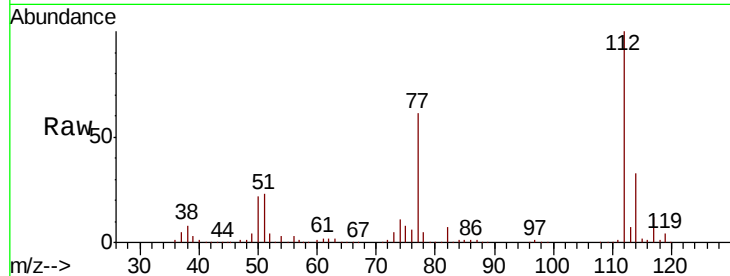




#65
Chlorobenzene
Concen: 52.131 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054914.D
Acq: 3 Apr 2019 9:10

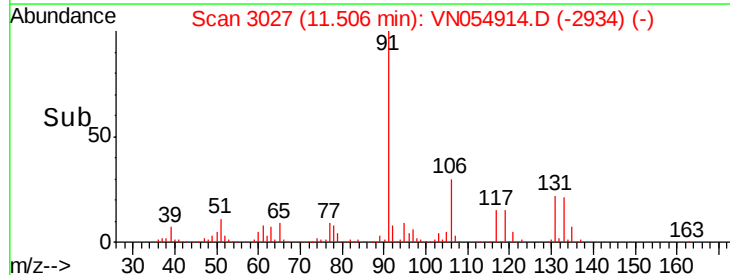
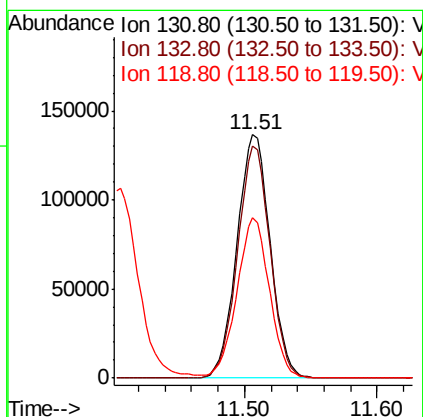
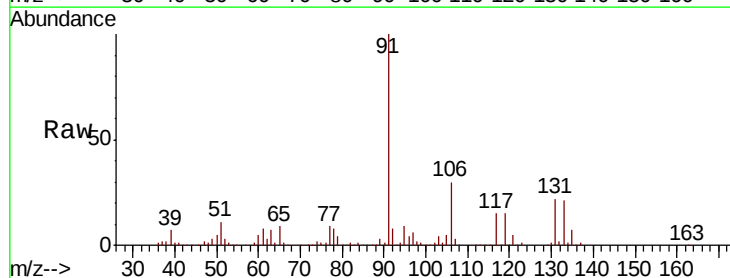
Instrument :
MSVOA_N
ClientSampled :

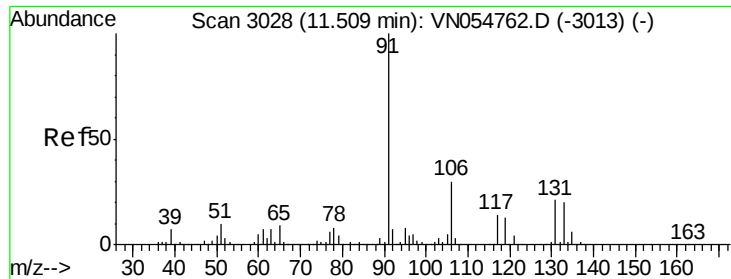
Tot Ion:112 Resp: 609365
Ion Ratio Lower Upper
112 100
114 32.6 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 54.098 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN054914.D
Acq: 3 Apr 2019 9:10

Tgt Ion:131 Resp: 236691
Ion Ratio Lower Upper
131 100
133 93.7 47.6 142.9
119 64.9 32.4 97.0

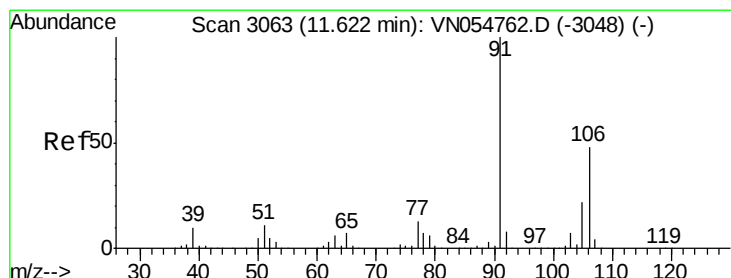
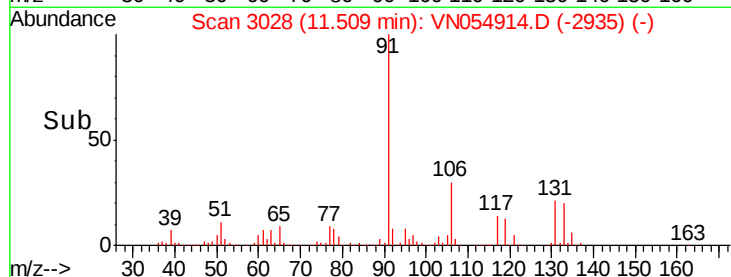
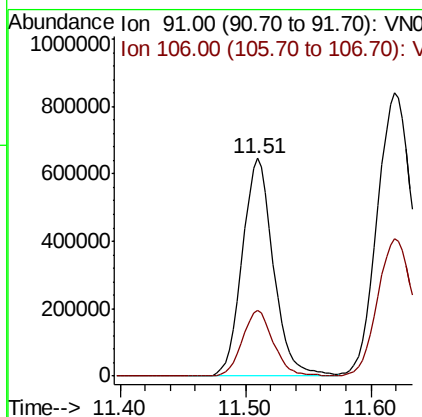
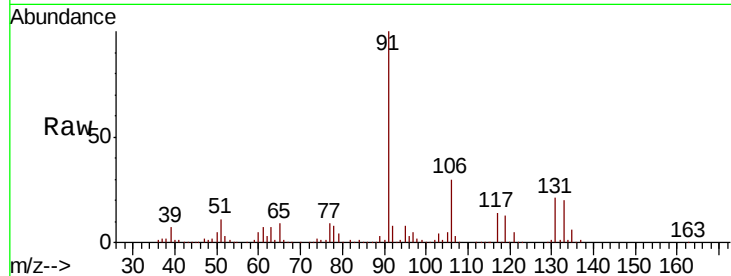




#67
Ethyl Benzene
Concen: 53.025 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054914.D
Acq: 3 Apr 2019 9:10

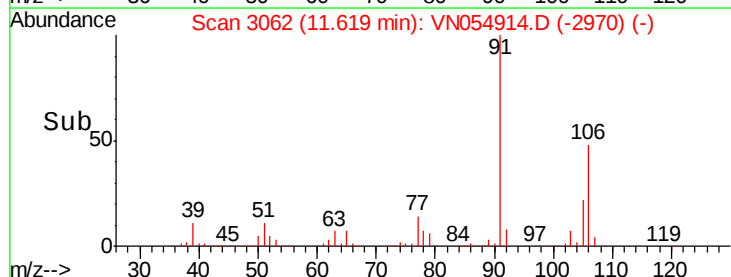
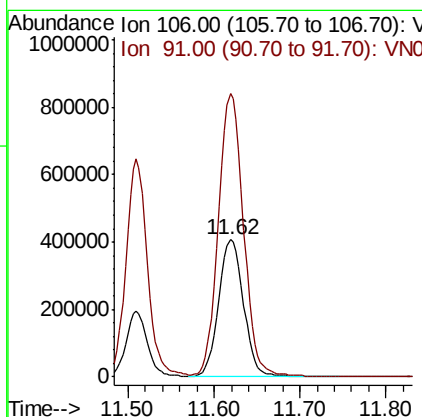
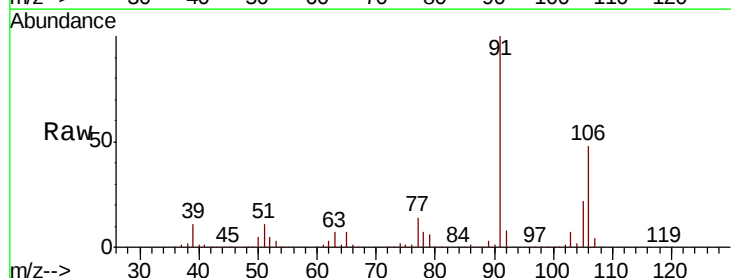
Instrument :
MSVOA_N
ClientSampled :

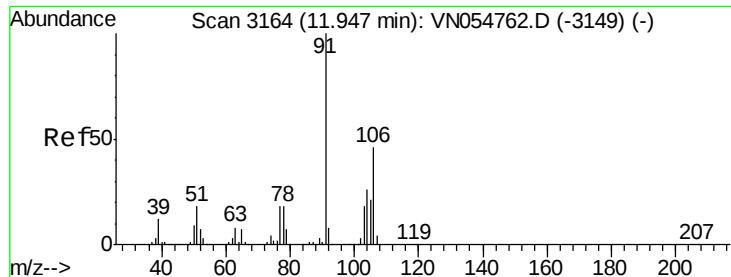
Tot Ion: 91 Resp: 1118476
Ion Ratio Lower Upper
91 100
106 30.4 25.5 38.3



#68
m/p-Xylenes
Concen: 105.865 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054914.D
Acq: 3 Apr 2019 9:10

Tgt Ion: 106 Resp: 826373
Ion Ratio Lower Upper
106 100
91 207.5 159.4 239.2

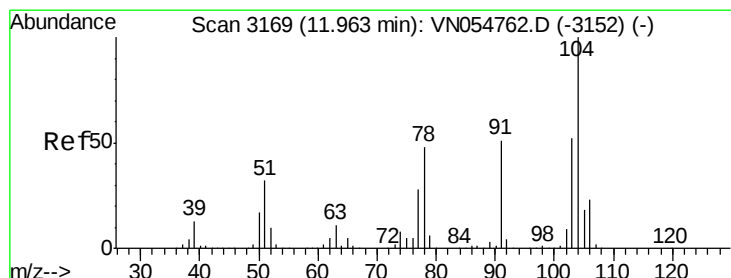
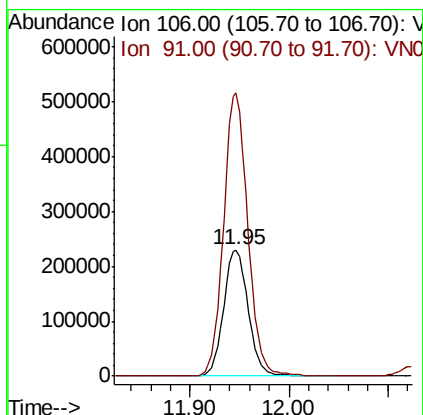
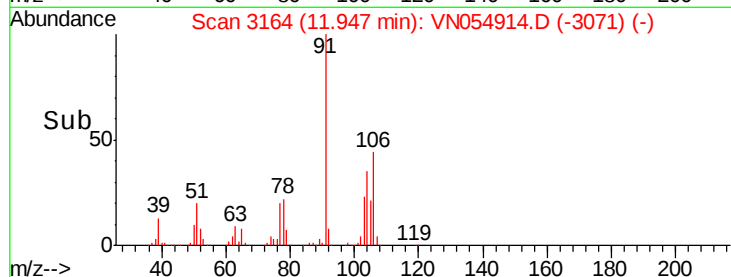
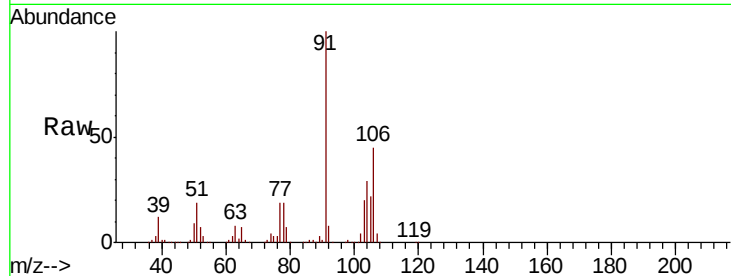




#69
o-Xylene
Concen: 52.193 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054914.D
Acq: 3 Apr 2019 9:10

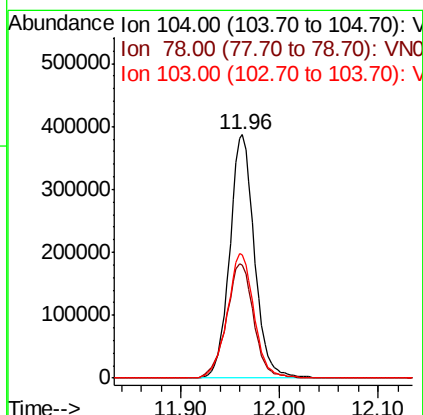
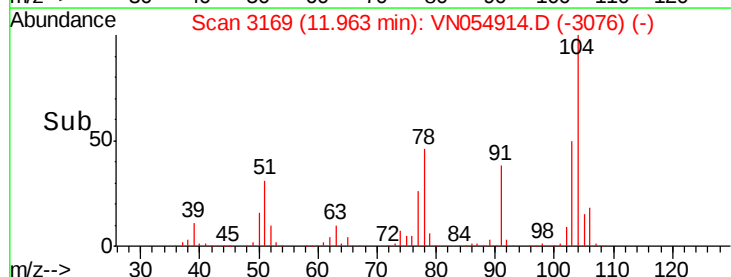
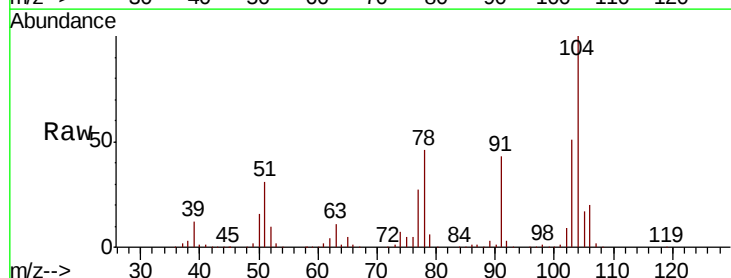
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 399513
Ion Ratio Lower Upper
106 100
91 221.0 105.7 317.1



#70
Styrene
Concen: 55.293 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054914.D
Acq: 3 Apr 2019 9:10

Tgt Ion:104 Resp: 676724
Ion Ratio Lower Upper
104 100
78 51.8 38.2 57.2
103 55.5 44.4 66.6

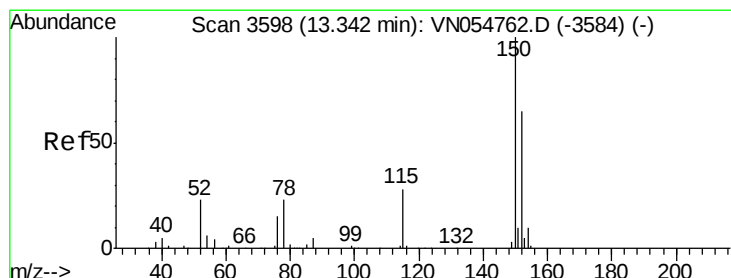
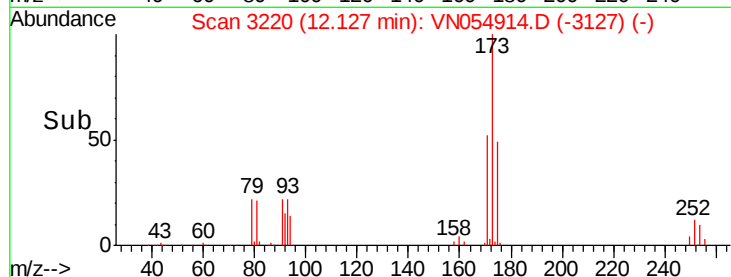
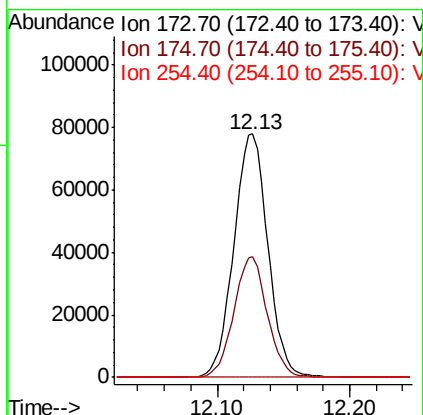
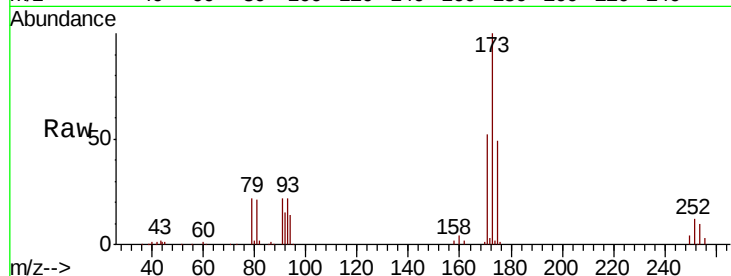




#71
Bromoform
Concen: 54.019 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054914.D
Acq: 3 Apr 2019 9:10

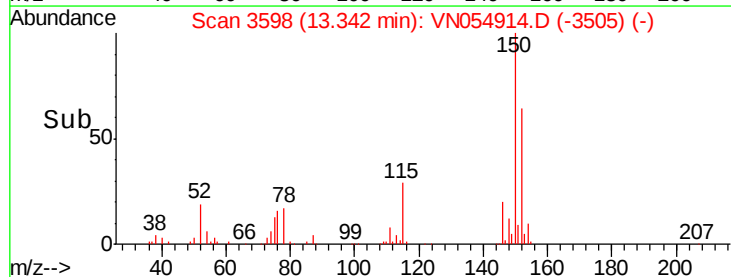
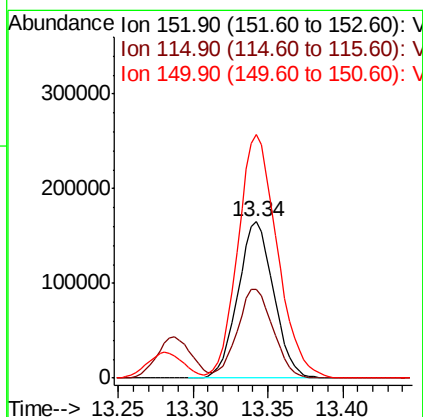
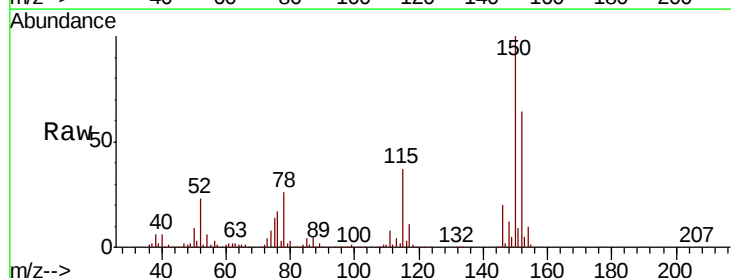
Instrument :
MSVOA_N
ClientSampled :

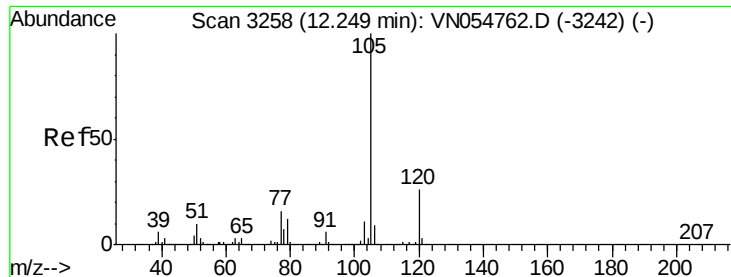
Tot Ion:173 Resp: 138458
Ion Ratio Lower Upper
173 100
175 48.7 24.4 73.2
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054914.D
Acq: 3 Apr 2019 9:10

Tgt Ion:152 Resp: 274077
Ion Ratio Lower Upper
152 100
115 56.9 27.2 81.6
150 171.5 0.0 349.2





#73

Isopropylbenzene

Concen: 48.123 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

Instrument :

MSVOA_N

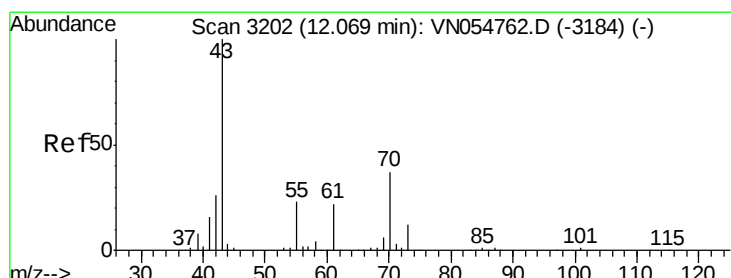
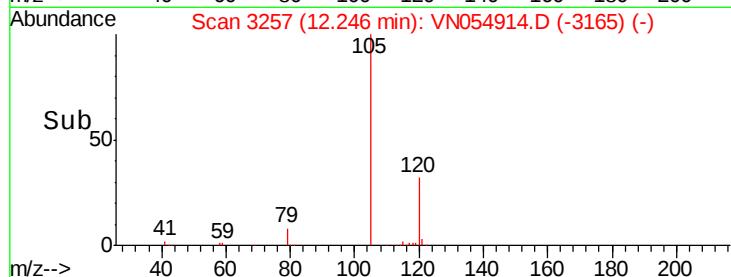
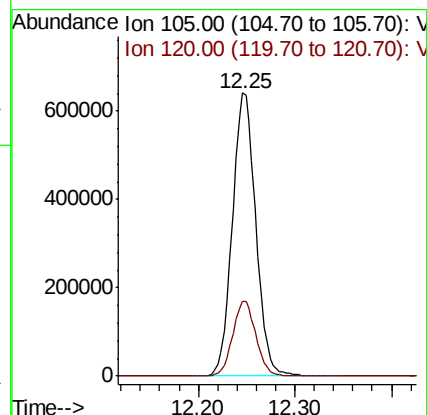
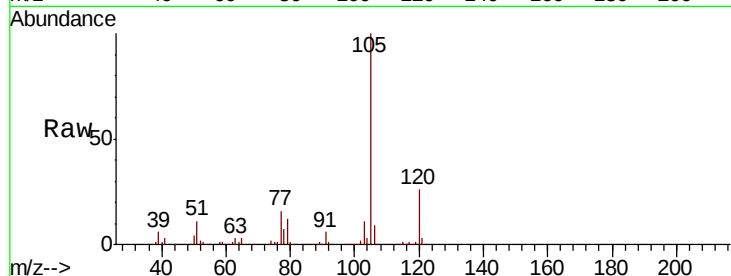
ClientSampled :

Tot Ion:105 Resp: 1078049

Ion Ratio Lower Upper

105 100

120 26.2 13.8 41.3



#74

N-ethyl acetate

Concen: 46.455 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

Tgt Ion: 43 Resp: 324214

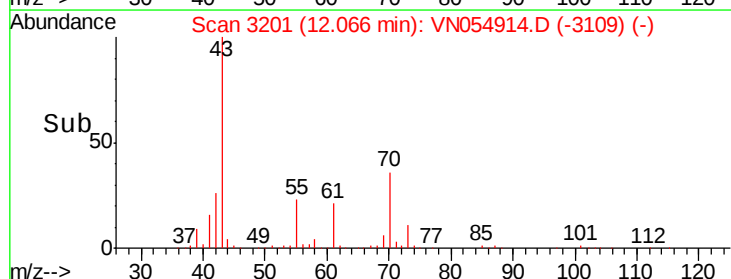
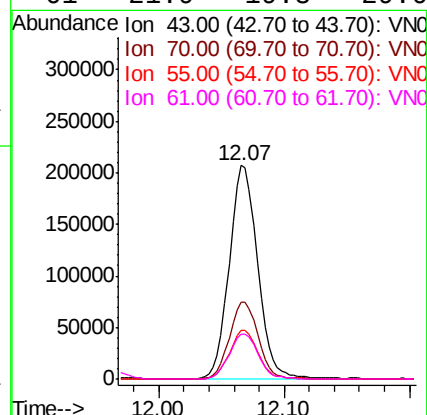
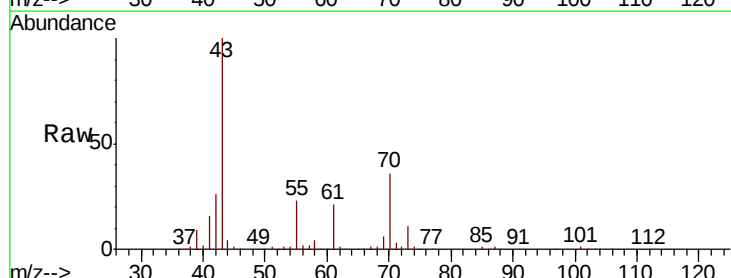
Ion Ratio Lower Upper

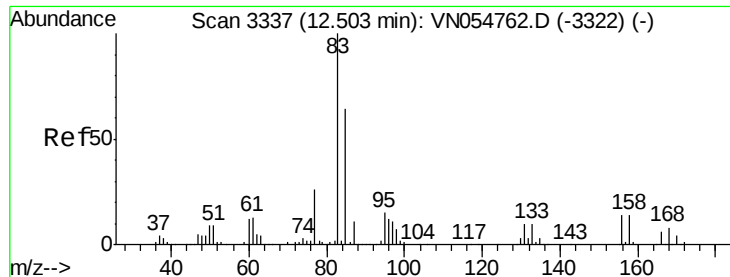
43 100

70 36.7 35.4 53.0

55 23.3 19.8 29.6

61 21.9 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 52.068 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

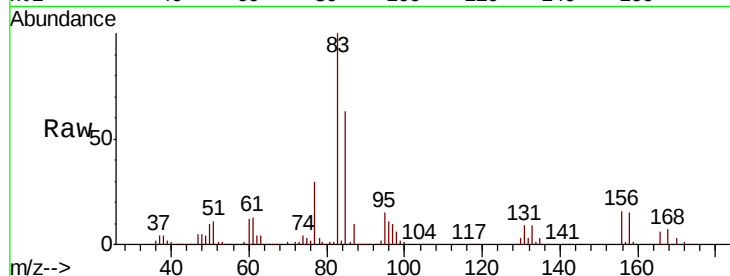
Tot Ion: 83 Resp: 256781

Ion Ratio Lower Upper

83 100

131 9.9 5.8 17.4

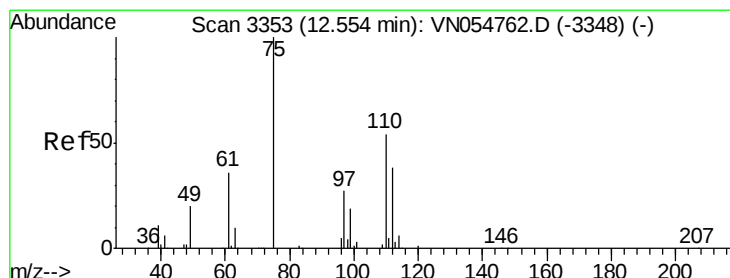
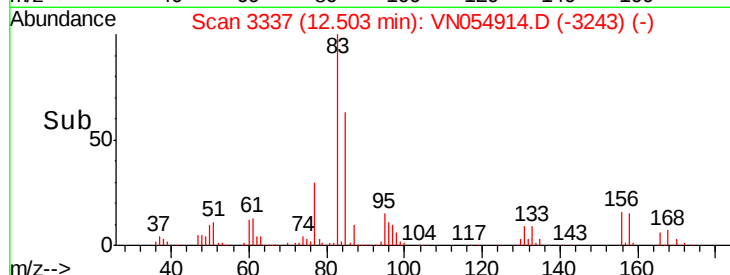
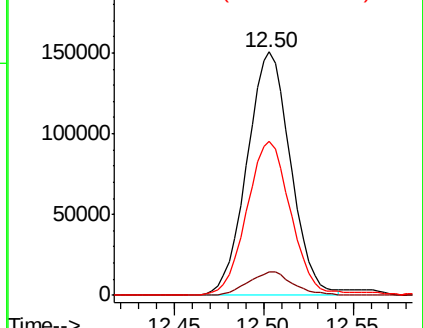
85 64.0 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN054762.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN054762.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN054762.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 64.719 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN054914.D

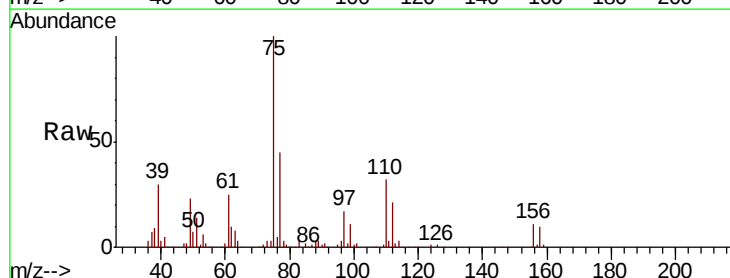
Acq: 3 Apr 2019 9:10

Tgt Ion: 75 Resp: 308151

Ion Ratio Lower Upper

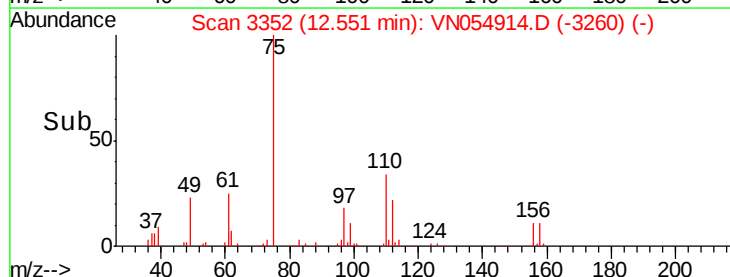
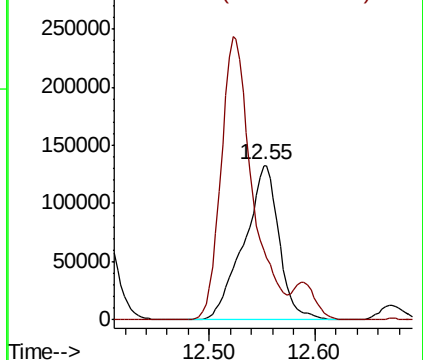
75 100

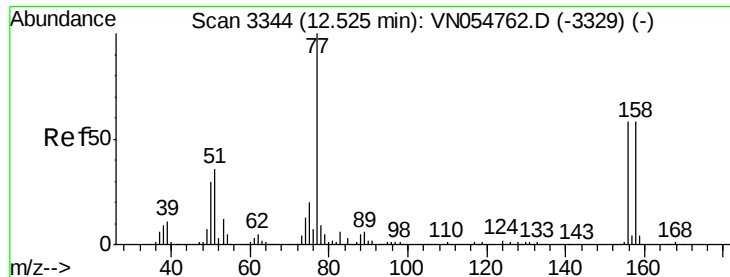
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054762.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN054762.D (-3348) (-)





#77

Bromobenzene

Concen: 48.156 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

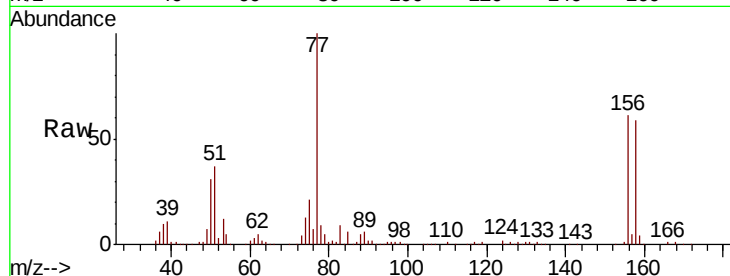
Tot Ion:156 Resp: 260361

Ion Ratio Lower Upper

156 100

77 192.6 81.5 244.4

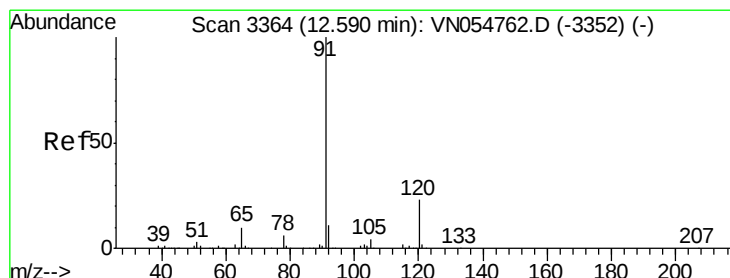
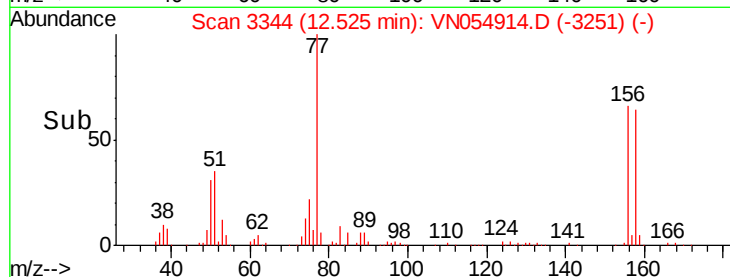
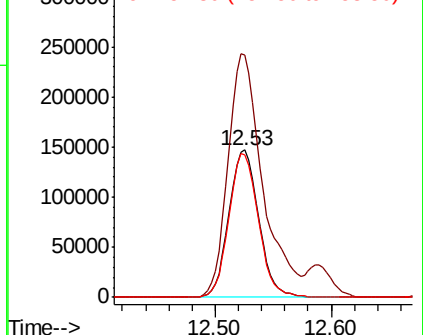
158 96.8 49.0 147.2



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: 49.701 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054914.D

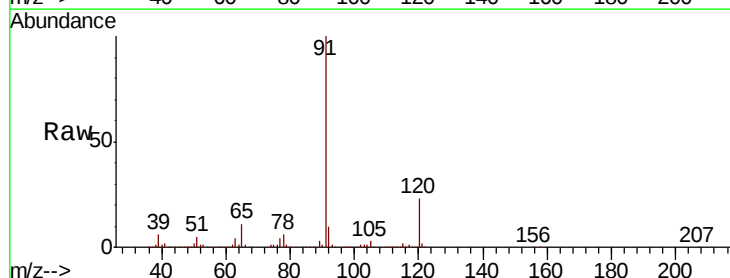
Acq: 3 Apr 2019 9:10

Tgt Ion: 91 Resp: 1223746

Ion Ratio Lower Upper

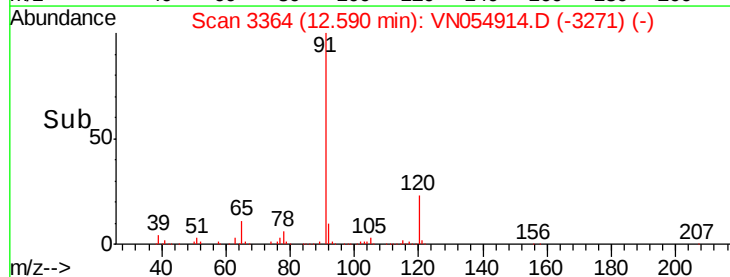
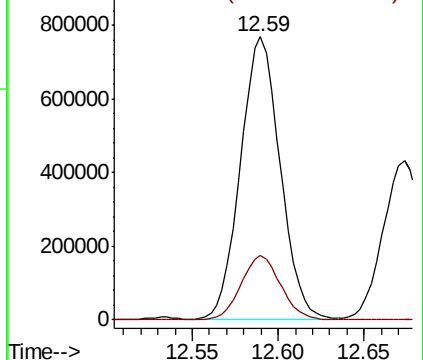
91 100

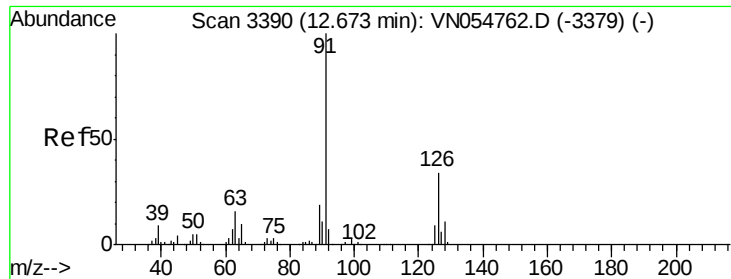
120 22.9 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

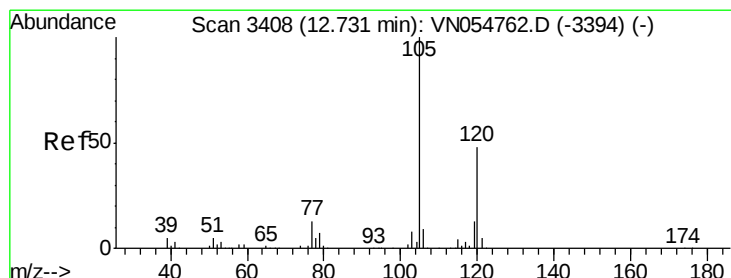
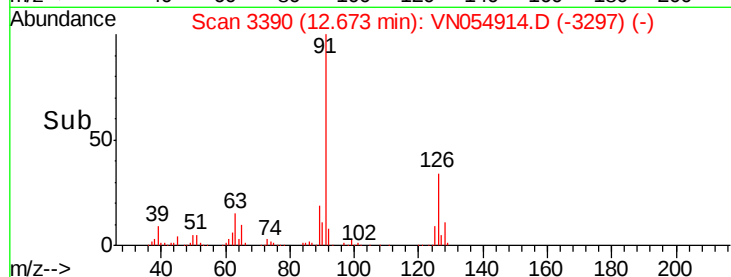
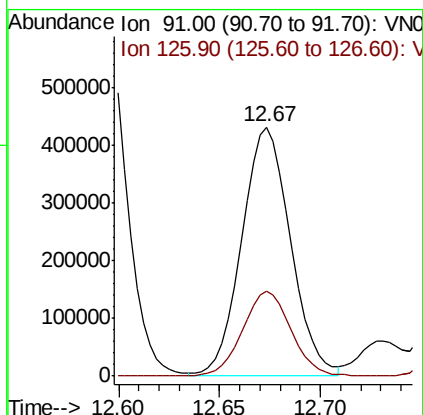
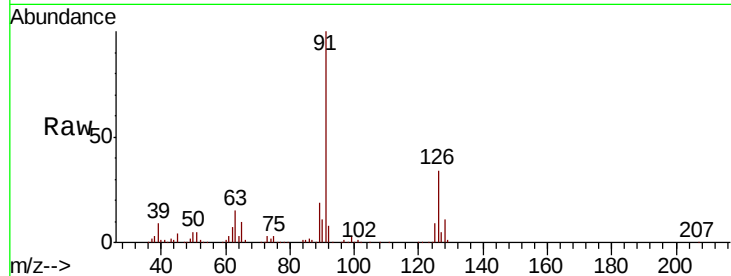




#79
 2-Chlorotoluene
 Concen: 47.686 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN054914.D
 Acq: 3 Apr 2019 9:10

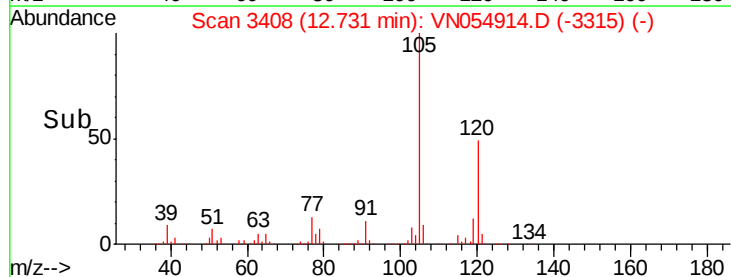
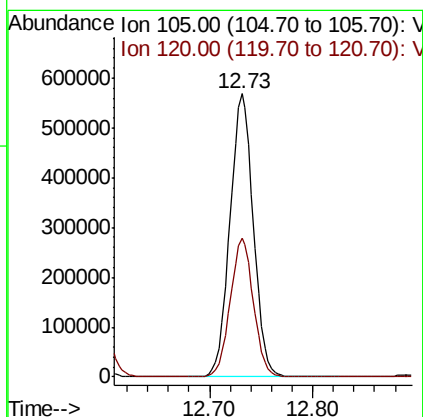
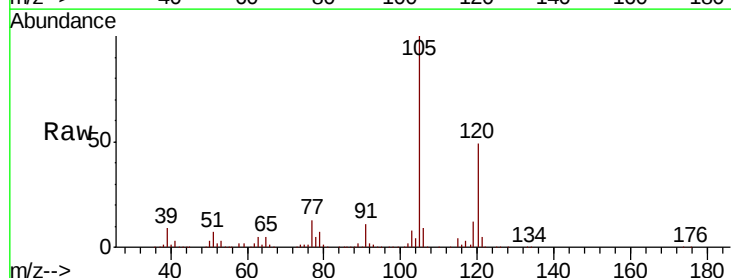
Instrument :
 MSVOA_N
 ClientSampled :

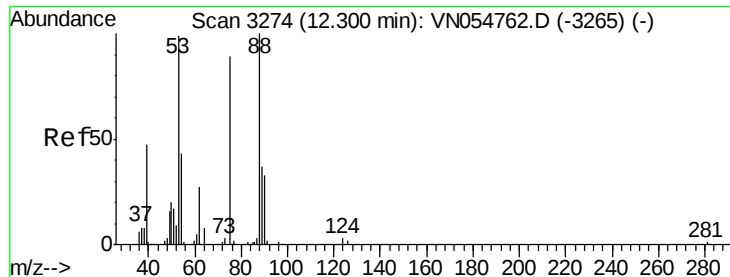
Tot Ion: 91 Resp: 726405
 Ion Ratio Lower Upper
 91 100
 126 34.0 18.7 56.1



#80
 1,3,5-Trimethylbenzene
 Concen: 48.824 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN054914.D
 Acq: 3 Apr 2019 9:10

Tgt Ion: 105 Resp: 897465
 Ion Ratio Lower Upper
 105 100
 120 48.5 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 49.037 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

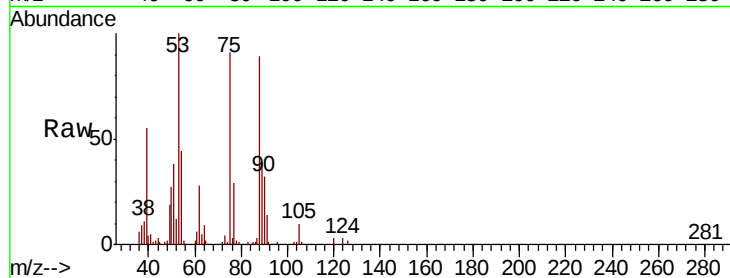
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 75 Resp: 60025

Ion	Ratio	Lower	Upper
75	100		
53	112.8	76.2	114.2
89	44.1	39.2	58.8

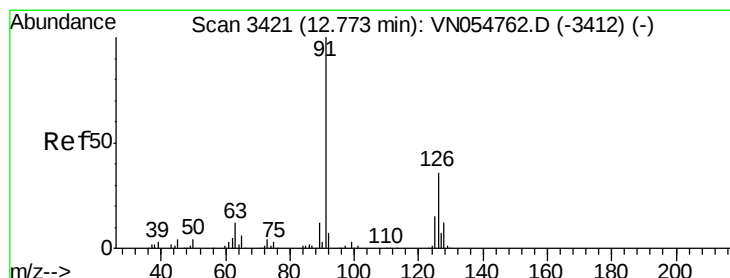
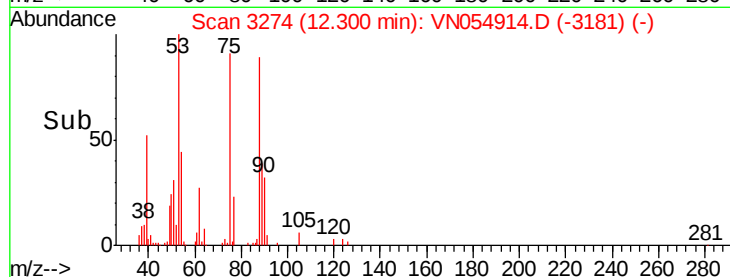
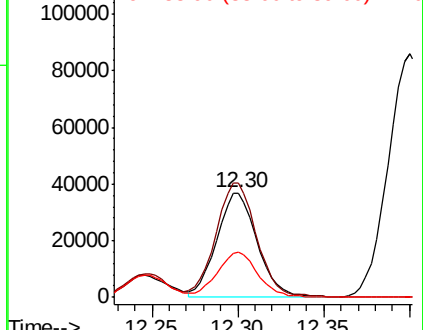


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 49.106 ug/l

RT: 12.77 min Scan# 3420

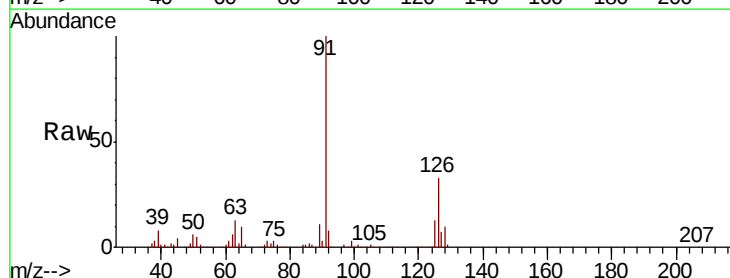
Delta R.T. -0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

Tgt Ion: 91 Resp: 726560

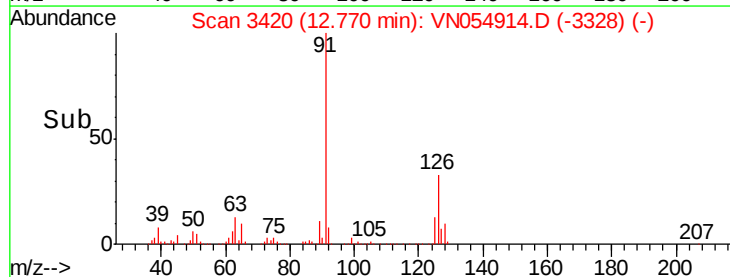
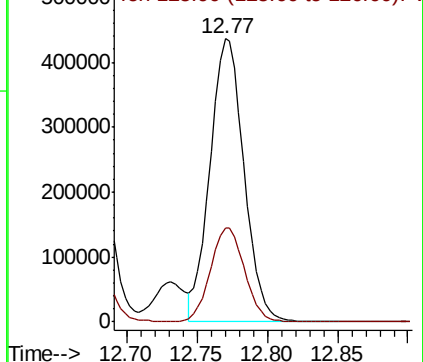
Ion	Ratio	Lower	Upper
91	100		
126	33.6	18.1	54.1

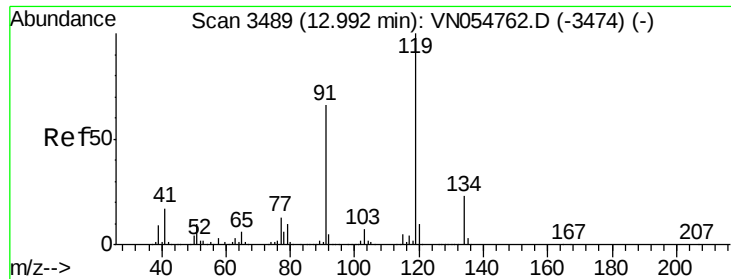


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

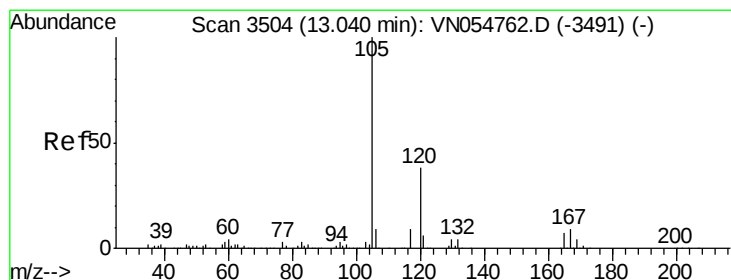
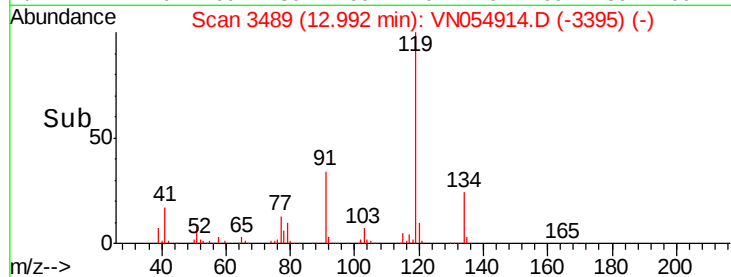
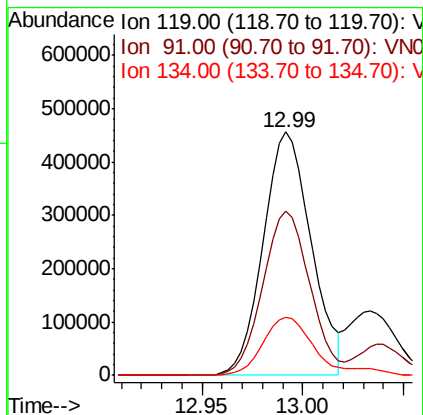
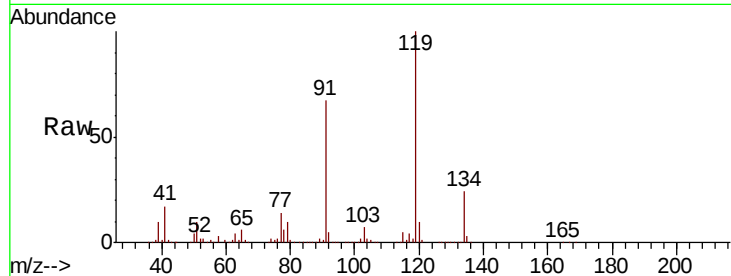




#83
 tert-Butylbenzene
 Concen: 53.134 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054914.D
 Acq: 3 Apr 2019 9:10

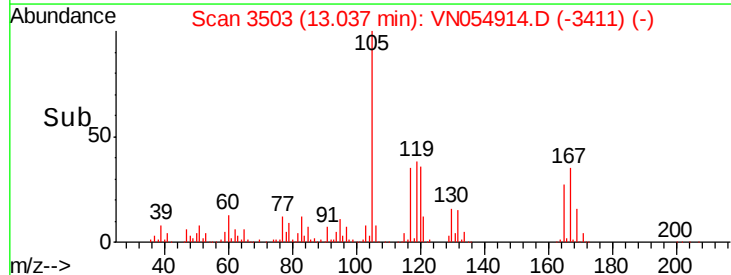
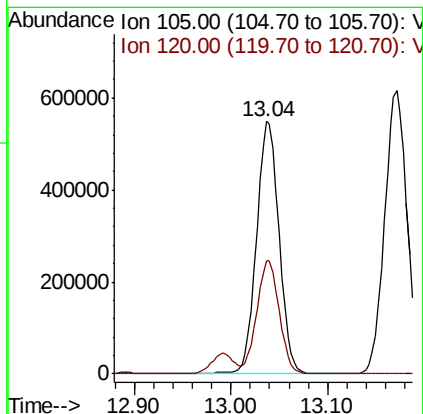
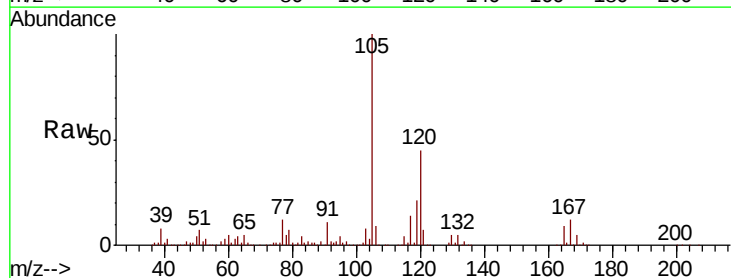
Instrument :
 MSVOA_N
 ClientSampleId :

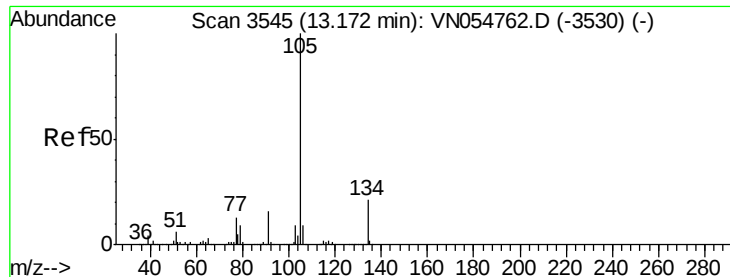
Tot Ion:119 Resp: 754895
 Ion Ratio Lower Upper
 119 100
 91 66.5 30.9 92.8
 134 26.3 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 50.825 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN054914.D
 Acq: 3 Apr 2019 9:10

Tgt Ion:105 Resp: 890056
 Ion Ratio Lower Upper
 105 100
 120 44.9 23.4 70.3





#85

sec-Butylbenzene

Concen: 49.673 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

Instrument :

MSVOA_N

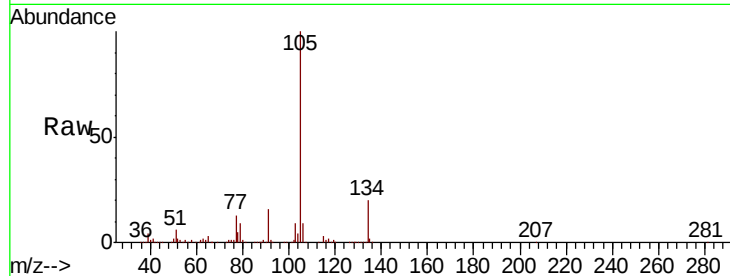
ClientSampleId :

Tot Ion:105 Resp: 991862

Ion Ratio Lower Upper

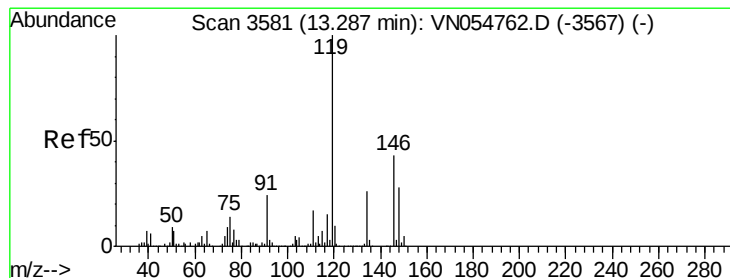
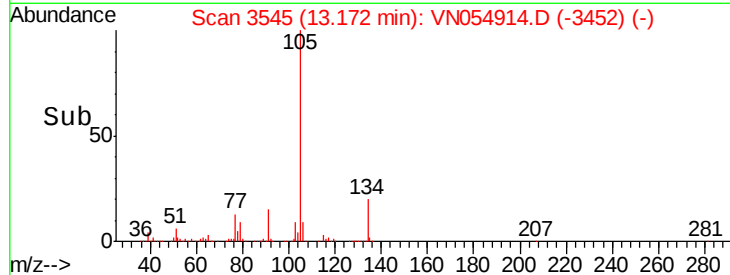
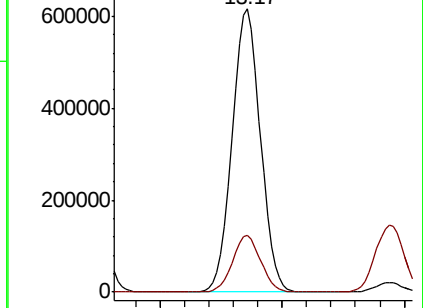
105 100

134 19.9 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.130 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

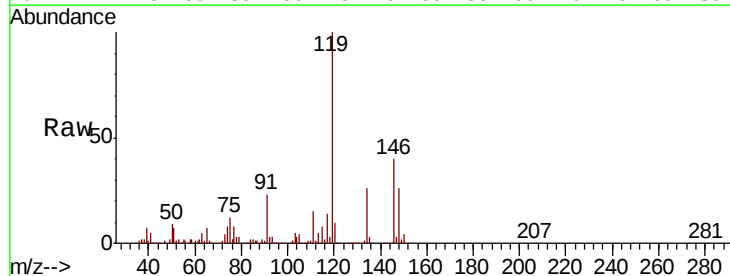
Tgt Ion:119 Resp: 882875

Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.8

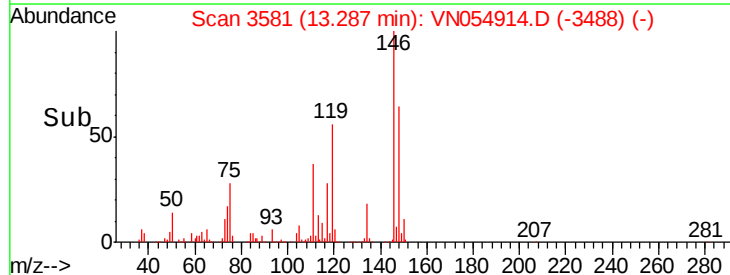
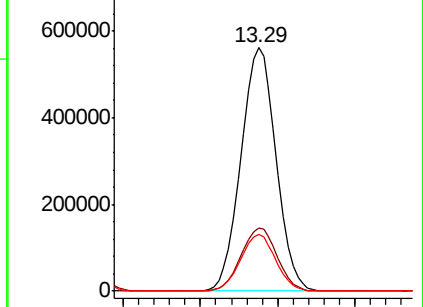
91 23.3 11.1 33.3

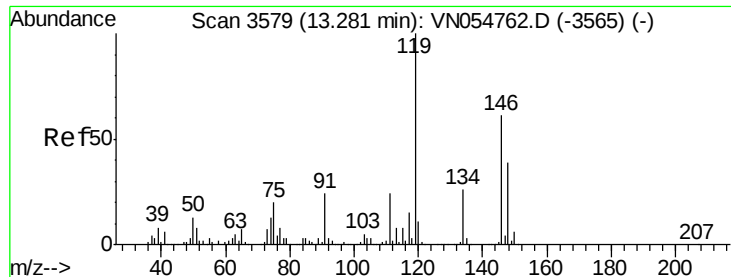


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

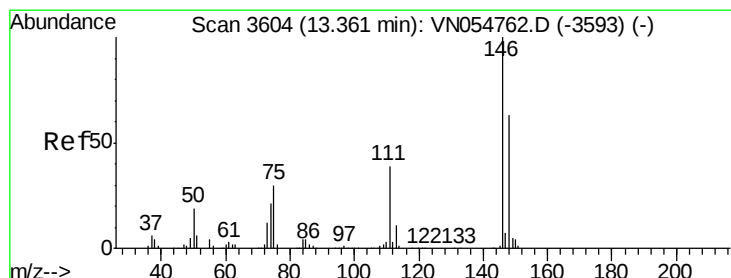
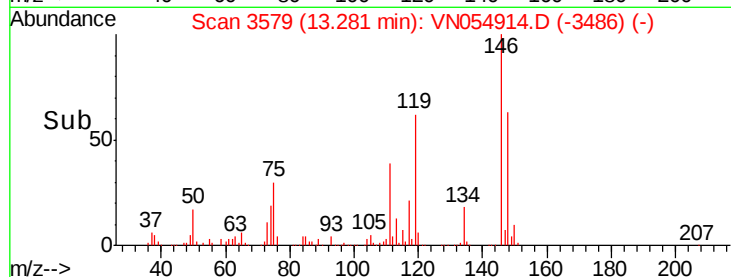
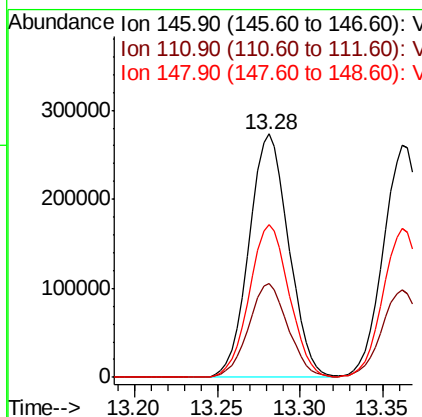
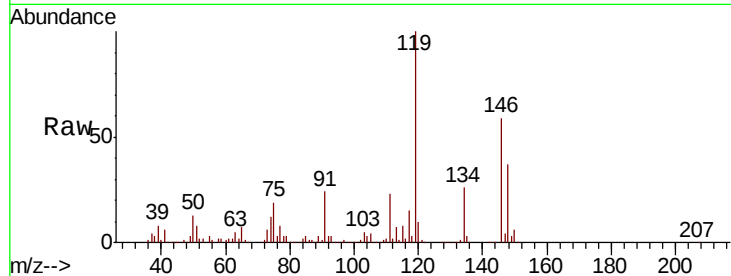




#87
 1,3-Dichlorobenzene
 Concen: 50.208 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054914.D
 Acq: 3 Apr 2019 9:10

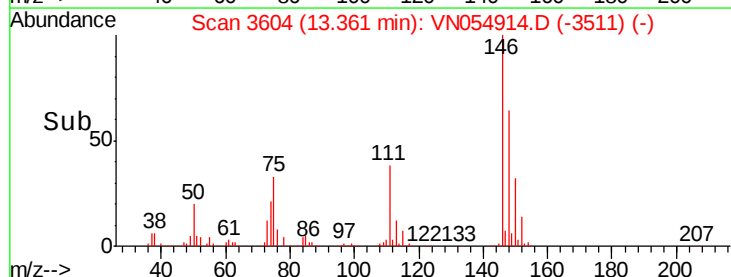
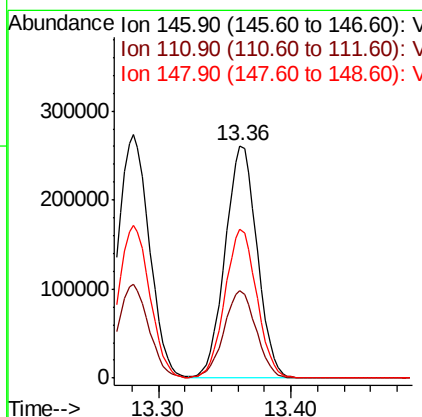
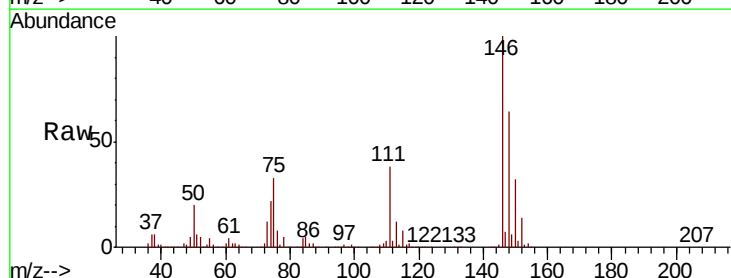
Instrument :
 MSVOA_N
 ClientSampled :

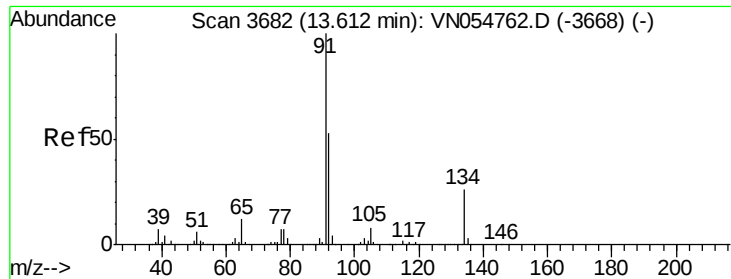
Tot Ion:146 Resp: 454481
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.8 56.3
 148 63.1 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 49.176 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054914.D
 Acq: 3 Apr 2019 9:10

Tgt Ion:146 Resp: 436593
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.1 54.1
 148 64.0 32.0 96.0





#89

n-Butylbenzene

Concen: 52.137 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

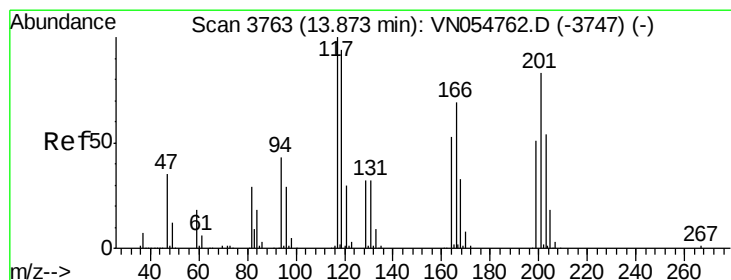
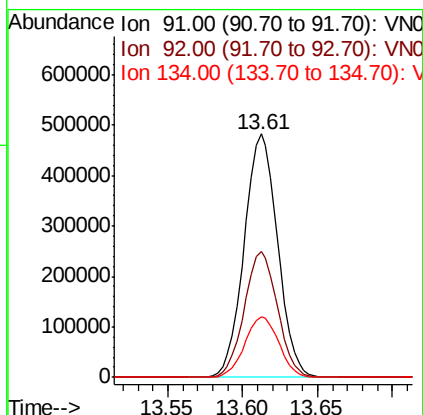
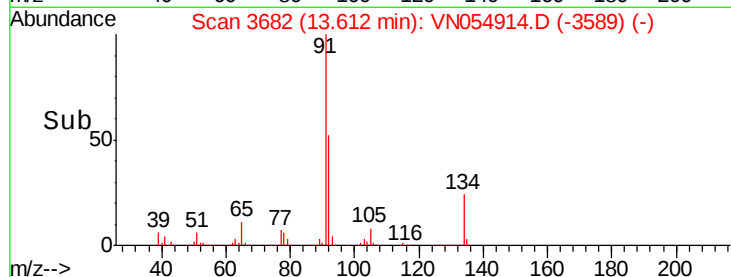
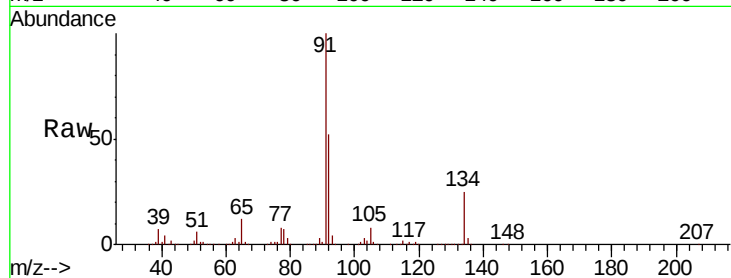
Tot Ion: 91 Resp: 749158

Ion Ratio Lower Upper

91 100

92 51.3 26.2 78.6

134 25.4 14.3 42.9



#90

Hexachloroethane

Concen: 49.720 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN054914.D

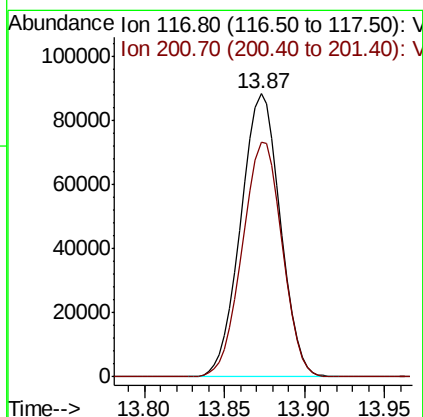
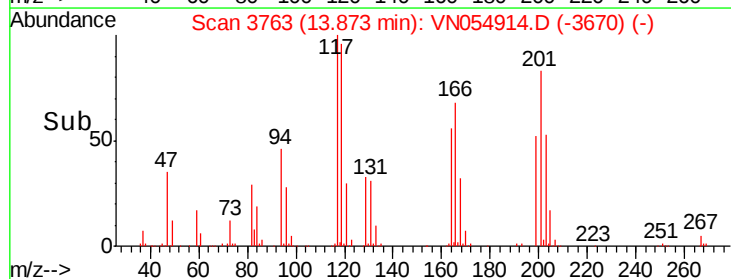
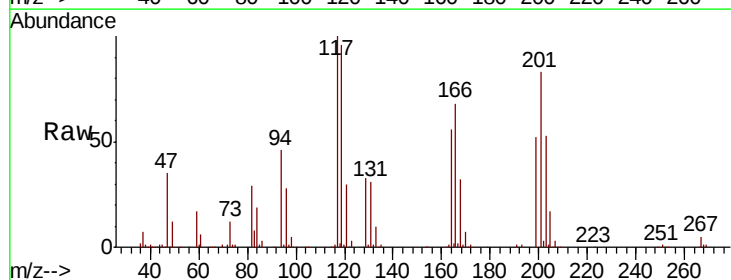
Acq: 3 Apr 2019 9:10

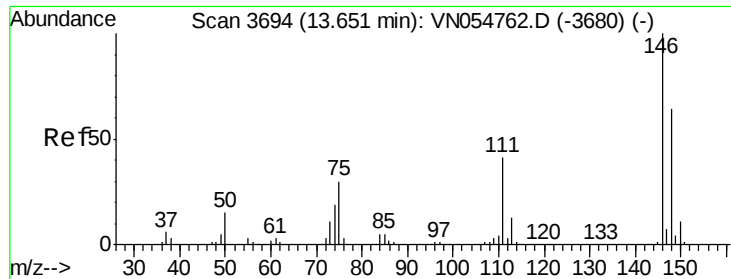
Tgt Ion: 117 Resp: 148671

Ion Ratio Lower Upper

117 100

201 83.7 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 48.442 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

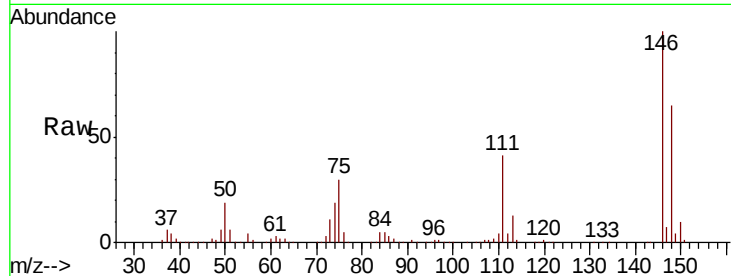
Tot Ion:146 Resp: 442539

Ion Ratio Lower Upper

146 100

111 40.0 19.1 57.3

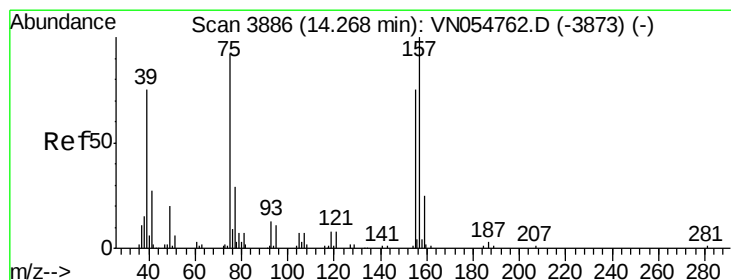
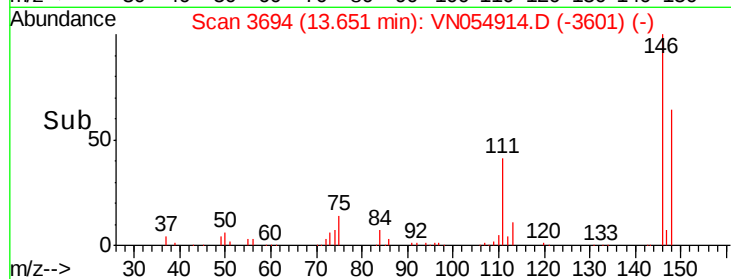
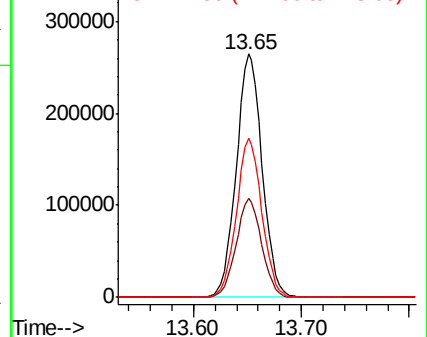
148 64.1 32.4 97.0



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: 47.675 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

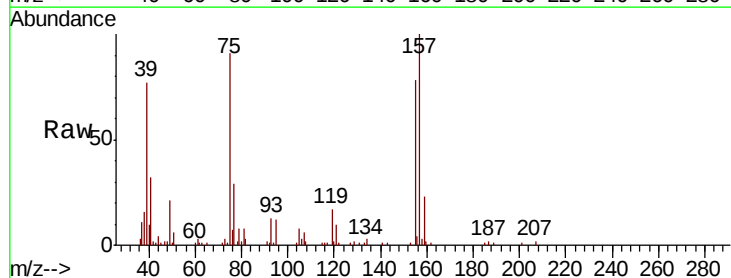
Tgt Ion: 75 Resp: 36511

Ion Ratio Lower Upper

75 100

155 87.0 50.1 150.3

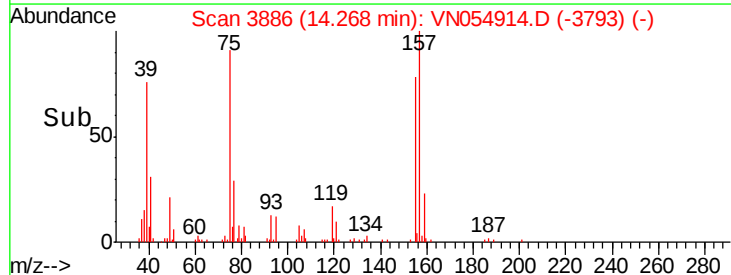
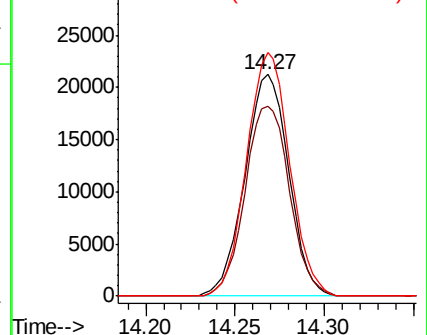
157 107.8 63.1 189.3

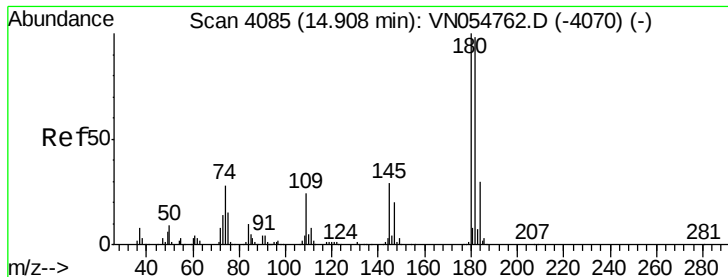


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

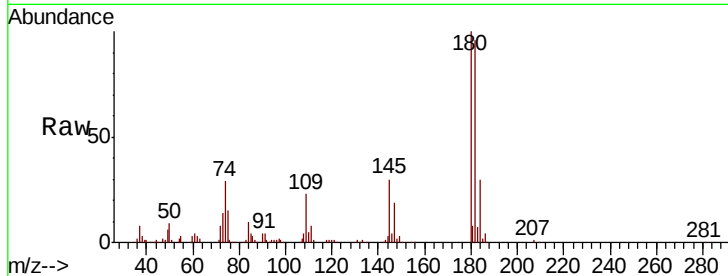




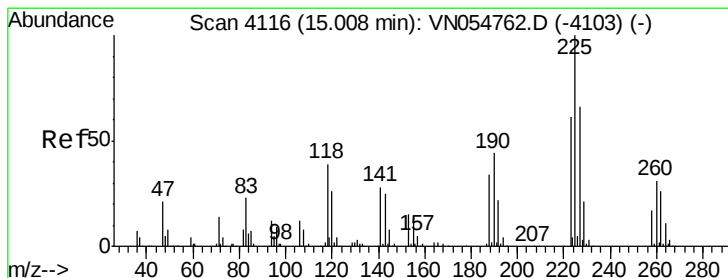
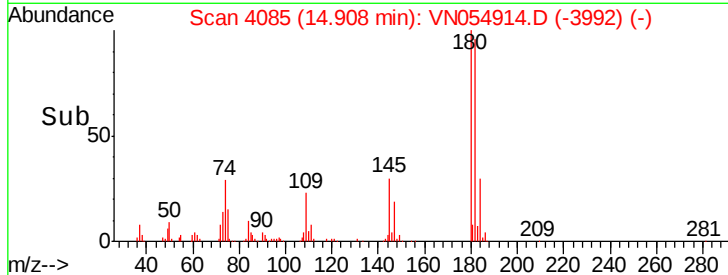
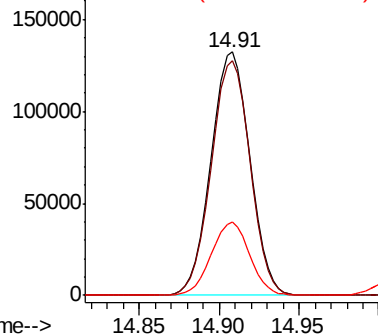
#93
 1,2,4-Trichlorobenzene
 Concen: 49.888 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054914.D
 Acq: 3 Apr 2019 9:10

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 219720
 Ion Ratio Lower Upper
 180 100
 182 96.1 48.0 144.2
 145 29.6 14.2 42.8

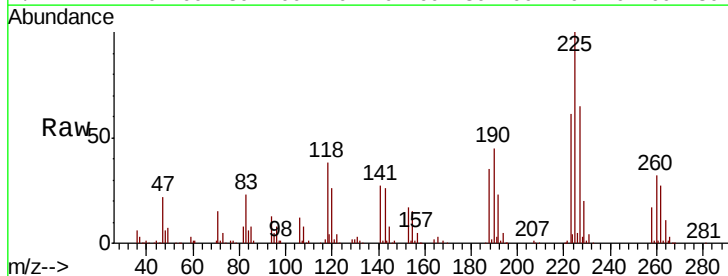


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

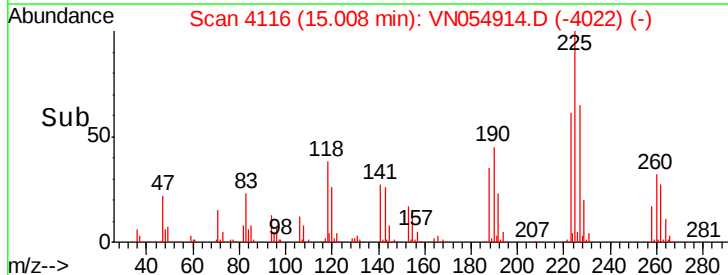
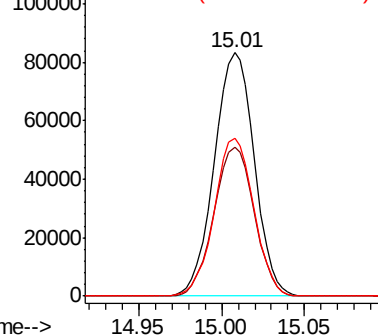


#94
 Hexachlorobutadiene
 Concen: 53.678 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054914.D
 Acq: 3 Apr 2019 9:10

Tgt Ion:225 Resp: 139607
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.1 93.5
 227 64.0 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: 45.356 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

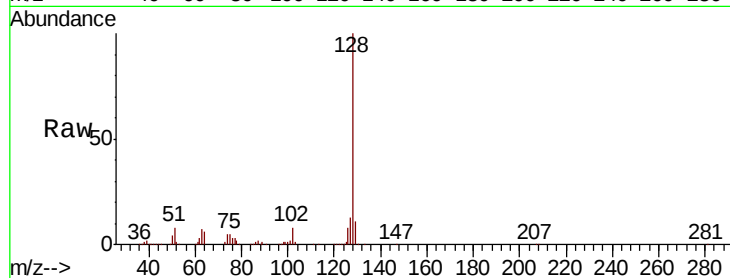
Tot Ion:128 Resp: 448029

Ion Ratio Lower Upper

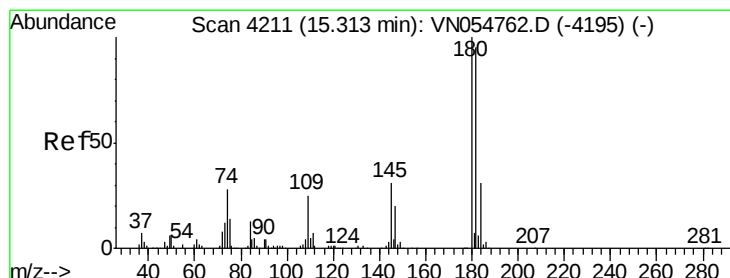
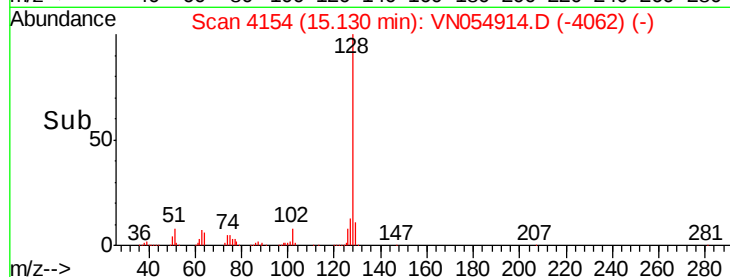
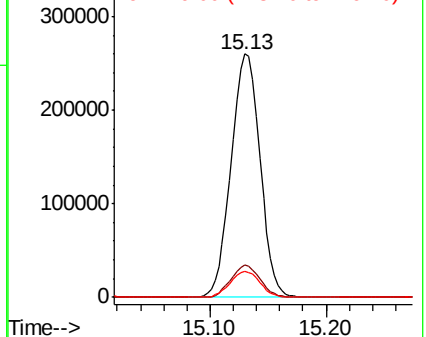
128 100

127 13.2 10.1 15.1

129 10.9 8.7 13.1



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



#96

1,2,3-Trichlorobenzene

Concen: 47.704 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054914.D

Acq: 3 Apr 2019 9:10

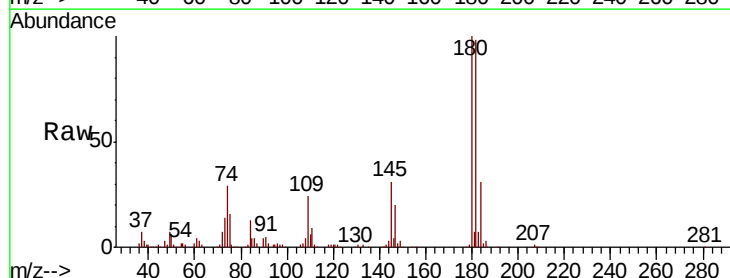
Tgt Ion:180 Resp: 212186

Ion Ratio Lower Upper

180 100

182 96.1 47.5 142.6

145 31.5 14.8 44.3



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

