

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030619\
 Data File : VN054119.D
 Acq On : 6 Mar 2019 16:20
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030619

Quant Time: Mar 07 06:37:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 06:25:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	728635	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1118264	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	959814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	440687	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	414433	47.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.72%	
35) Dibromofluoromethane	7.59	113	366424	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	10.09	98	1368396	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
62) 4-Bromofluorobenzene	12.40	95	449159	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	308606	44.069	ug/l	100
3) Chloromethane	2.05	50	423341	48.249	ug/l	99
4) Vinyl Chloride	2.18	62	421288	44.403	ug/l	100
5) Bromomethane	2.56	94	243248	48.873	ug/l	100
6) Chloroethane	2.70	64	246158	42.804	ug/l	100
7) Trichlorofluoromethane	3.01	101	530007	45.724	ug/l	99
8) Diethyl Ether	3.41	74	218687	47.347	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	345400	45.803	ug/l	98
10) Methyl Iodide	3.95	142	402620	46.200	ug/l	100
11) Tert butyl alcohol	4.79	59	140224	263.396	ug/l	98
12) 1,1-Dichloroethene	3.73	96	317848	45.182	ug/l	98
13) Acrolein	3.61	56	69331	146.491	ug/l	100
14) Allyl chloride	4.32	41	605484	47.767	ug/l	99
15) Acrylonitrile	4.98	53	723752	240.855	ug/l	99
16) Acetone	3.82	43	694205	257.576	ug/l	99
17) Carbon Disulfide	4.05	76	964310	47.465	ug/l	100
18) Methyl Acetate	4.32	43	323451	51.048	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	973166	49.291	ug/l	98
20) Methylene Chloride	4.55	84	368326	48.188	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	349419	45.245	ug/l	99
22) Diisopropyl ether	5.95	45	1221834	49.472	ug/l	99
23) Vinyl Acetate	5.89	43	4447135	253.492	ug/l	99
24) 1,1-Dichloroethane	5.85	63	681961	46.152	ug/l	100
25) 2-Butanone	6.83	43	923240	257.465	ug/l	100
26) 2,2-Dichloropropane	6.82	77	505147	47.430	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	397235	46.127	ug/l	99
28) Bromochloromethane	7.19	49	339233	45.996	ug/l	100
29) Tetrahydrofuran	7.21	42	589150	250.663	ug/l	99
30) Chloroform	7.37	83	648324	45.791	ug/l	100
31) Cyclohexane	7.65	56	653529	49.764	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	539969	46.000	ug/l	99
36) 1,1-Dichloropropene	7.79	75	517195	49.274	ug/l	98
37) Ethyl Acetate	6.93	43	382771	50.680	ug/l	99
38) Carbon Tetrachloride	7.77	117	478825	47.786	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	624769	51.576	ug/l	99
40) Benzene	8.04	78	1524566	49.095	ug/l	99
41) Methacrylonitrile	7.17	41	188291	47.834	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	473062	48.091	ug/l	99
43) Isopropyl Acetate	8.16	43	642178	51.187	ug/l	99
44) Trichloroethene	8.83	130	391440	47.010	ug/l	96
45) 1,2-Dichloropropane	9.12	63	413432	48.267	ug/l	100
46) Dibromomethane	9.21	93	236449	48.358	ug/l	99
47) Bromodichloromethane	9.40	83	500379	48.888	ug/l	99
48) Methyl methacrylate	9.20	41	312655	54.134	ug/l	98
49) 1,4-Dioxane	9.20	88	75162	905.265	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1809100	269.978	ug/l	100
52) Toluene	10.16	92	909103	49.414	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	522013	51.708	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	603539	50.583	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	340395	49.134	ug/l	99
56) Ethyl methacrylate	10.43	69	445401	54.766	ug/l	99
57) 1,3-Dichloropropane	10.71	76	590819	49.982	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1039406	279.222	ug/l	100
59) 2-Hexanone	10.75	43	1196140	270.580	ug/l	100
60) Dibromochloromethane	10.90	129	373089	50.365	ug/l	99
61) 1,2-Dibromoethane	11.00	107	325714	49.410	ug/l	98
64) Tetrachloroethene	10.63	164	378127	48.004	ug/l	99
65) Chlorobenzene	11.43	112	962347	48.180	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	354678	49.605	ug/l	100
67) Ethyl Benzene	11.51	91	1675039	50.115	ug/l	100
68) m/p-Xylenes	11.62	106	1274948	101.079	ug/l	99
69) o-Xylene	11.95	106	618439	50.952	ug/l	99
70) Styrene	11.96	104	988798	51.321	ug/l	99
71) Bromoform	12.13	173	255011	51.822	ug/l #	99
73) Isopropylbenzene	12.25	105	1632093	46.545	ug/l	100
74) N-amyl acetate	12.07	43	482213	51.925	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	415542	51.444	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	515626	68.656	ug/l #	100
77) Bromobenzene	12.53	156	396137	48.970	ug/l	97
78) n-propylbenzene	12.59	91	1936027	49.067	ug/l	100
79) 2-Chlorotoluene	12.67	91	1128603	47.095	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1400832	49.145	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	113216	51.769	ug/l	99
82) 4-Chlorotoluene	12.77	91	1130256	47.313	ug/l	100
83) tert-Butylbenzene	12.99	119	1219799	48.322	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1415633	50.038	ug/l	100
85) sec-Butylbenzene	13.17	105	1665346	48.614	ug/l	100
86) p-Isopropyltoluene	13.29	119	1443143	50.112	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	720979	46.984	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	706801	46.411	ug/l	100
89) n-Butylbenzene	13.62	91	1269839	52.224	ug/l	100
90) Hexachloroethane	13.87	117	252715	45.752	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	703480	50.919	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	64806	50.654	ug/l	98

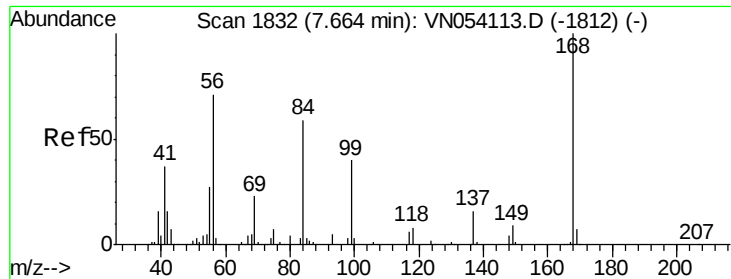
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030619\
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QLast Update : Thu Mar 07 06:25:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	396718	54.404	ug/l	99
94) Hexachlorobutadiene	15.01	225	260877	58.079	ug/l	100
95) Naphthalene	15.13	128	814587	49.223	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	386634	52.693	ug/l	99

(#) = 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: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

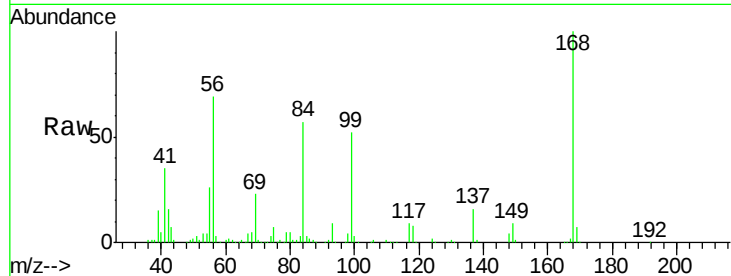
ICVVN030619

Tgt Ion:168 Resp: 728635

Ion Ratio Lower Upper

168 100

99 51.7 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

300000

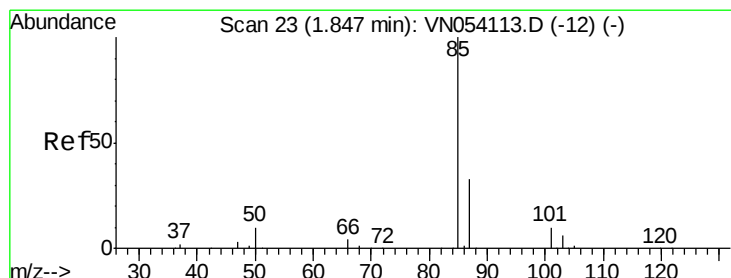
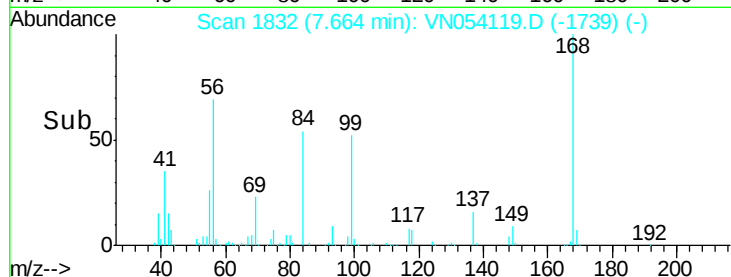
200000

100000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 44.069 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN054119.D

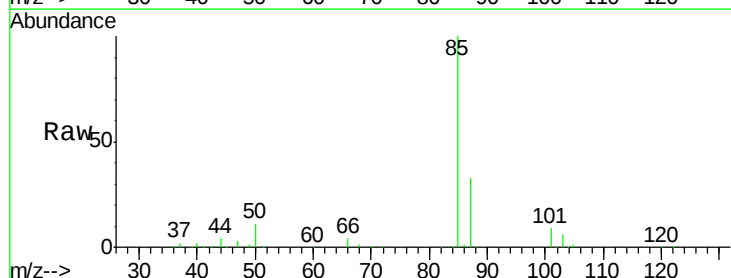
Acq: 6 Mar 2019 16:20

Tgt Ion: 85 Resp: 308606

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

150000

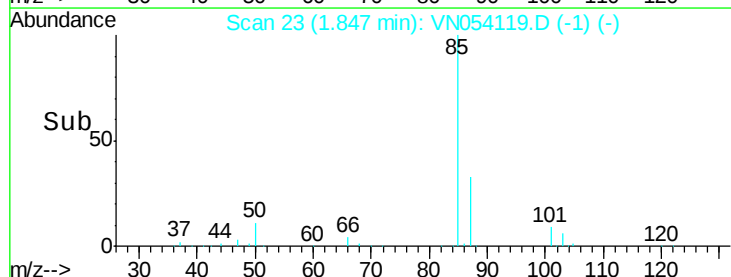
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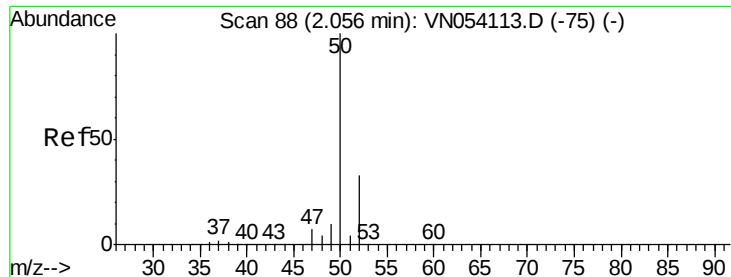
50000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 48.249 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

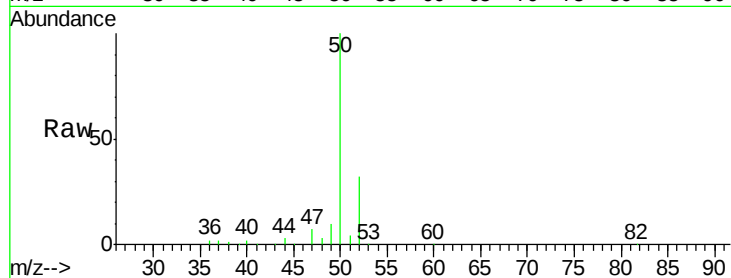
ICVFN030619

Tgt Ion: 50 Resp: 423341

Ion Ratio Lower Upper

50 100

52 32.2 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.05

250000

200000

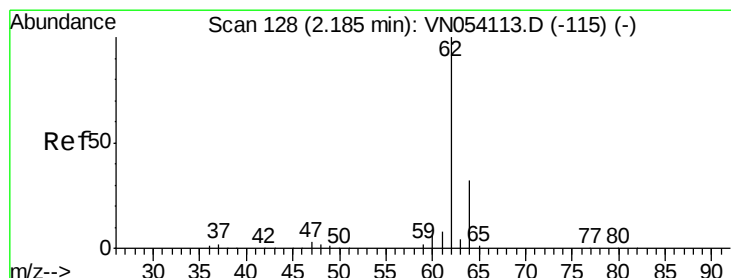
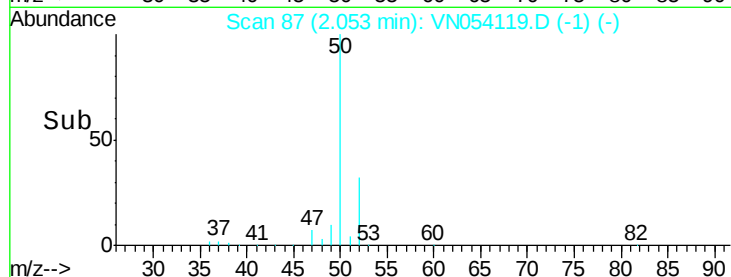
150000

100000

50000

0

Time--> 1.95 2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 44.403 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN054119.D

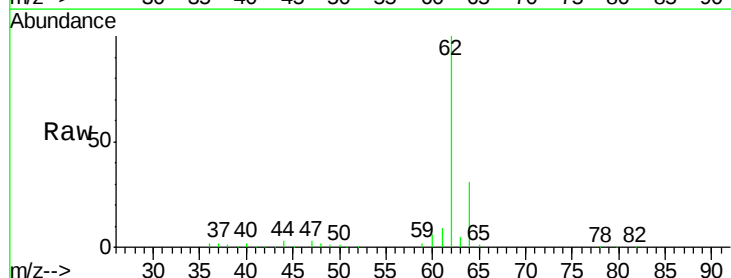
Acq: 6 Mar 2019 16:20

Tgt Ion: 62 Resp: 421288

Ion Ratio Lower Upper

62 100

64 31.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.18

300000

250000

200000

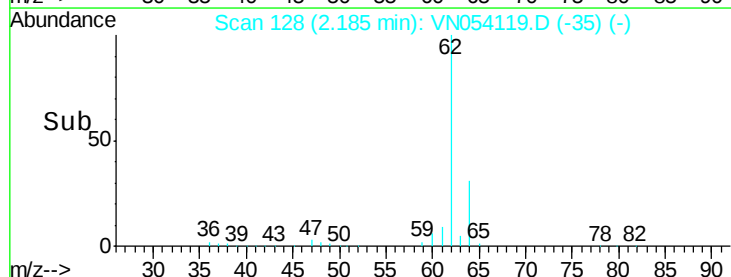
150000

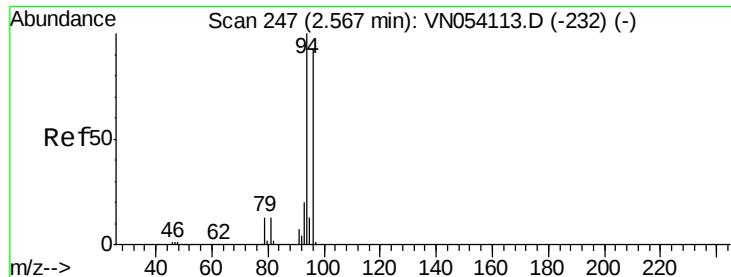
100000

50000

0

Time--> 2.10 2.20 2.30





#5

Bromomethane

Concen: 48.873 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

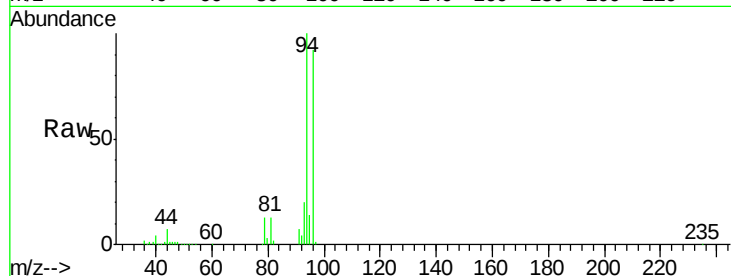
ICVVN030619

Tgt Ion: 94 Resp: 243248

Ion Ratio Lower Upper

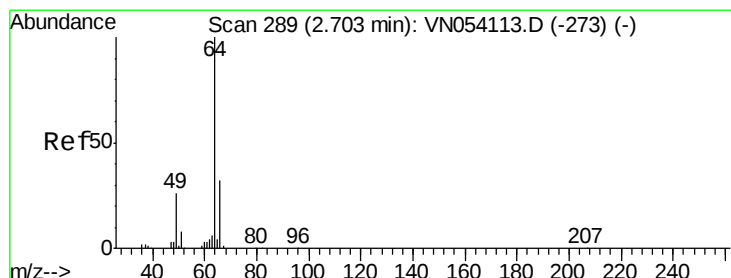
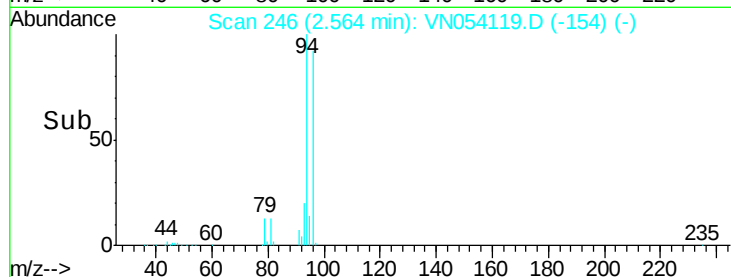
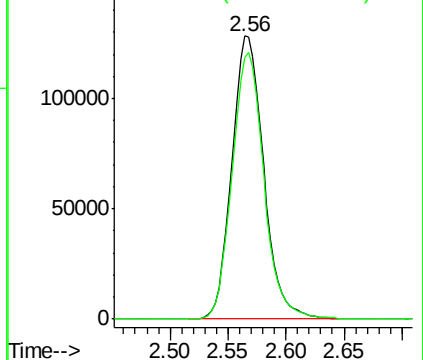
94 100

96 92.4 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 42.804 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN054119.D

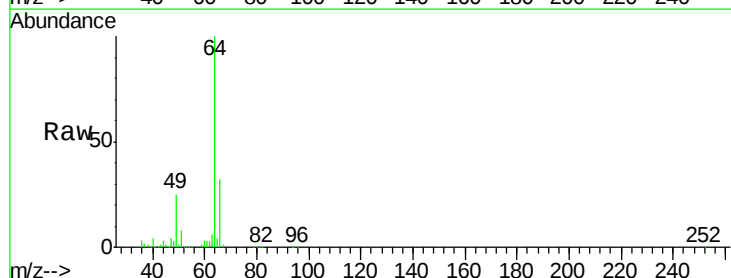
Acq: 6 Mar 2019 16:20

Tgt Ion: 64 Resp: 246158

Ion Ratio Lower Upper

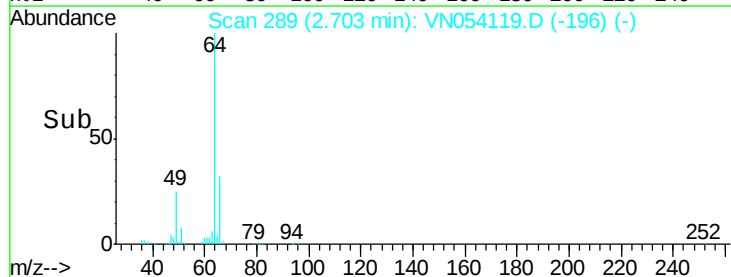
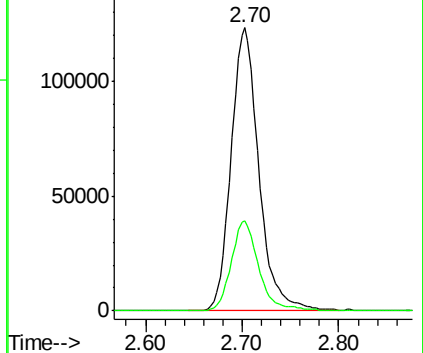
64 100

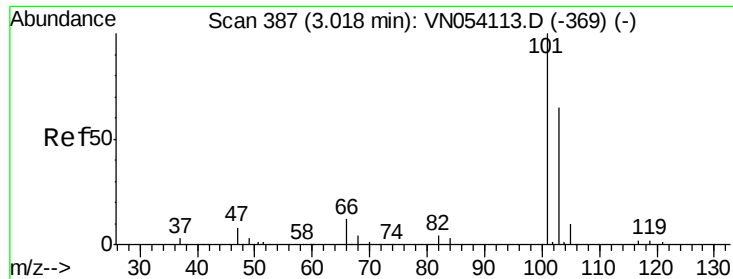
66 32.1 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



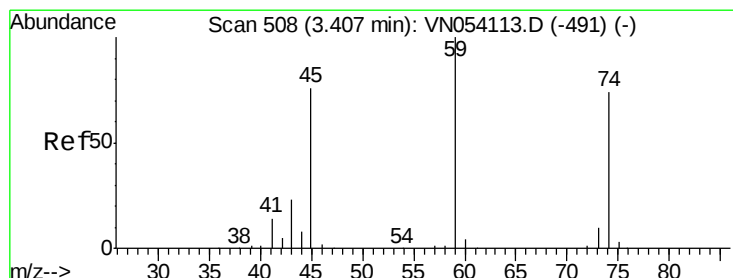
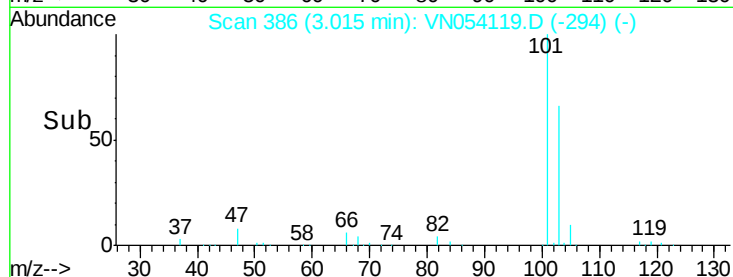
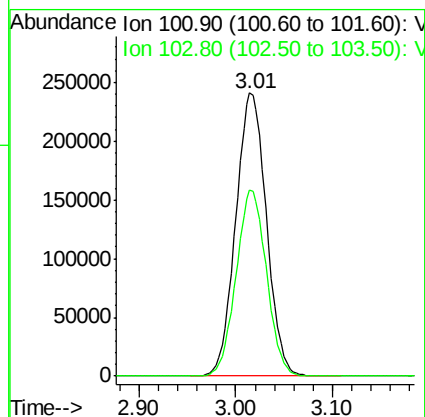
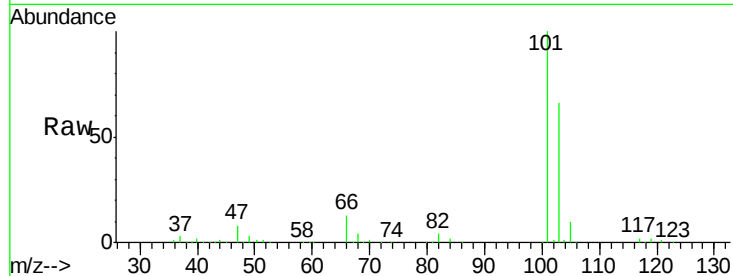


#7

Trichlorofluoromethane
Concen: 45.724 ug/l
RT: 3.01 min Scan# 386
Delta R.T. -0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Instrument :
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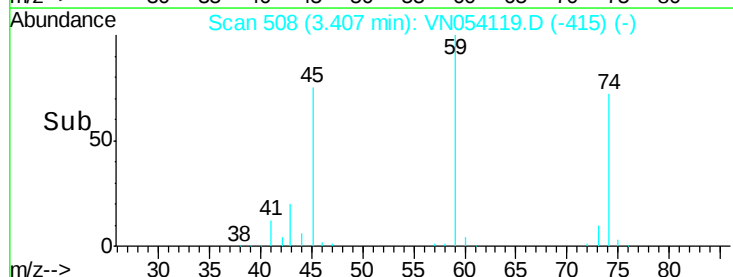
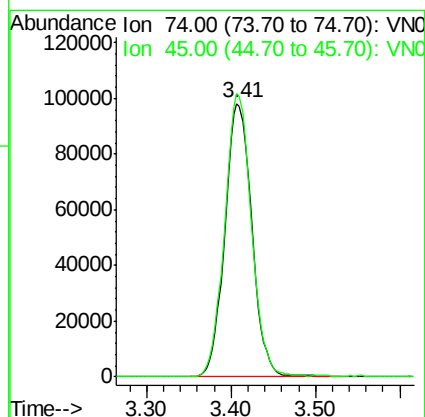
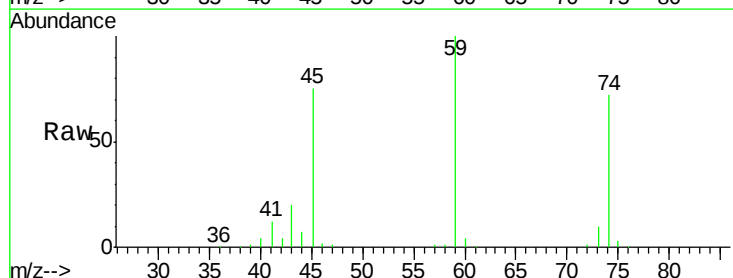
Tgt Ion:101 Resp: 530007
Ion Ratio Lower Upper
101 100
103 65.6 52.0 78.0

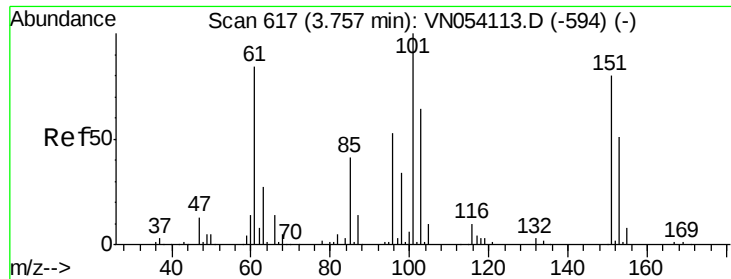


#8

Diethyl Ether
Concen: 47.347 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Tgt Ion: 74 Resp: 218687
Ion Ratio Lower Upper
74 100
45 101.8 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.803 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN030619

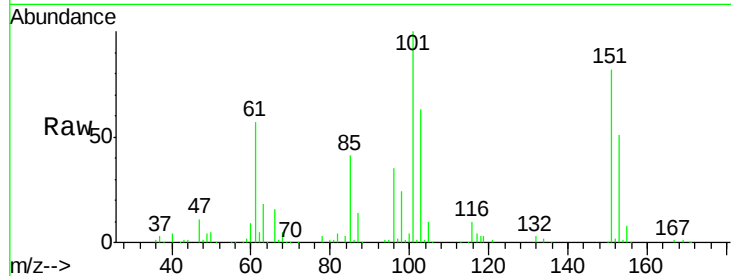
Tgt Ion:101 Resp: 345400

Ion Ratio Lower Upper

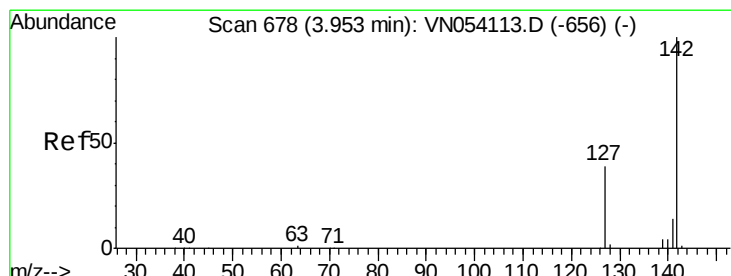
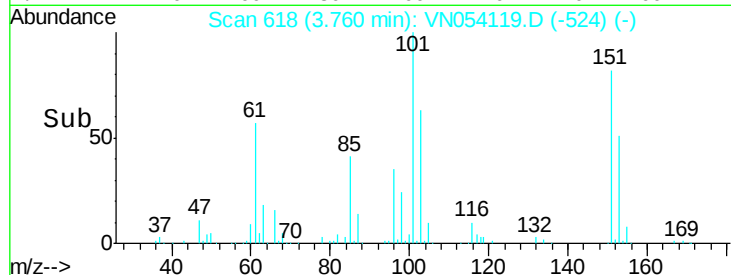
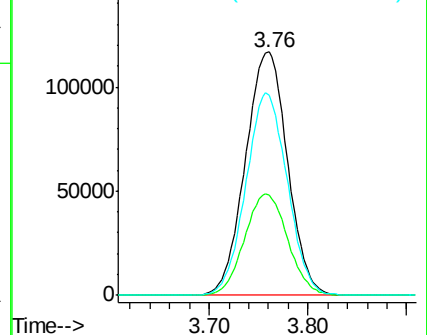
101 100

85 42.8 33.1 49.7

151 81.8 64.3 96.5



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



#10

Methyl Iodide

Concen: 46.200 ug/l

RT: 3.95 min Scan# 677

Delta R.T. -0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

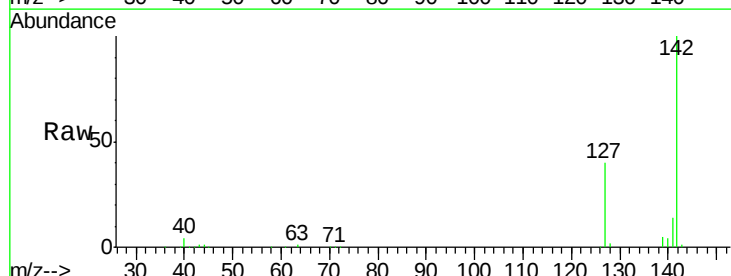
Tgt Ion:142 Resp: 402620

Ion Ratio Lower Upper

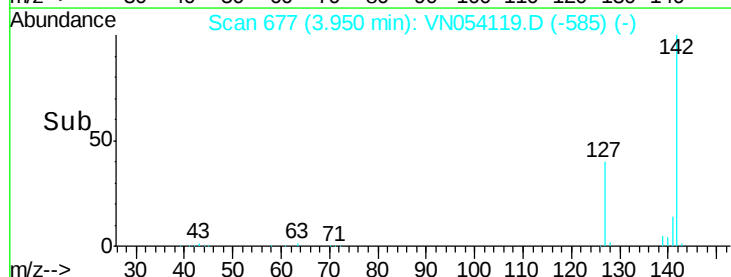
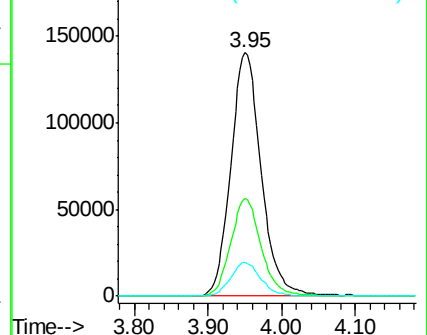
142 100

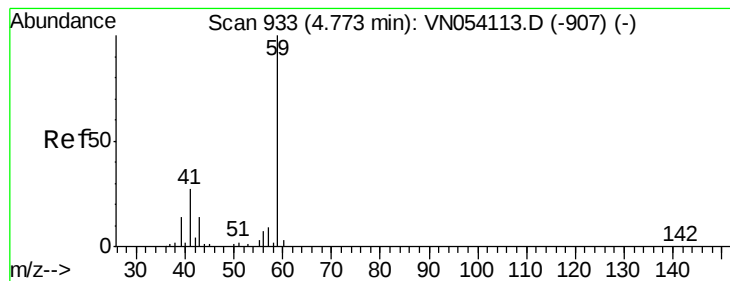
127 39.9 31.9 47.9

141 13.8 11.4 17.0



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



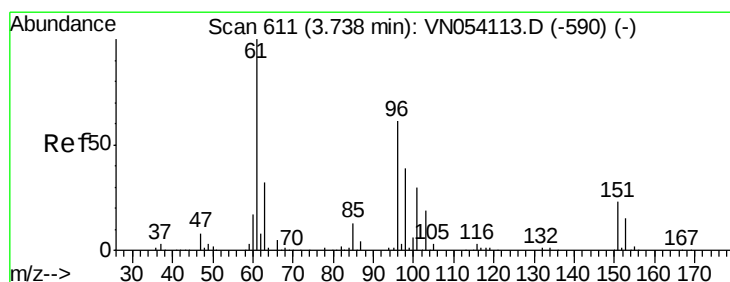
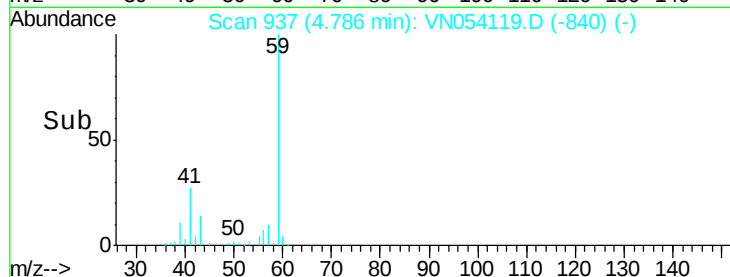
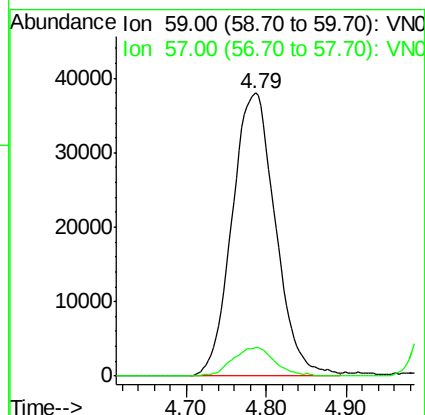
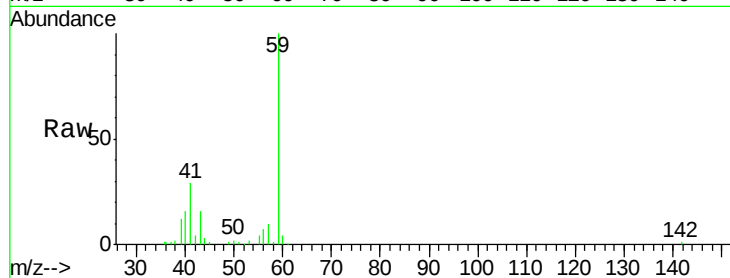


#11

Tert butyl alcohol
 Concen: 263.396 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030619

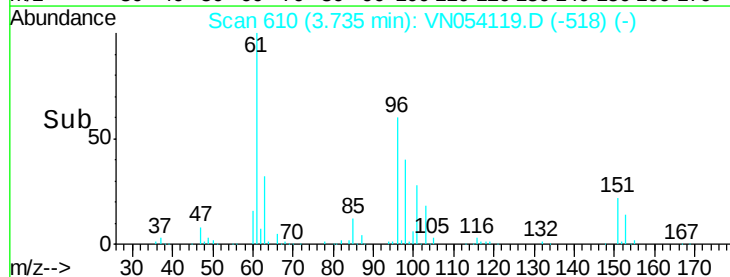
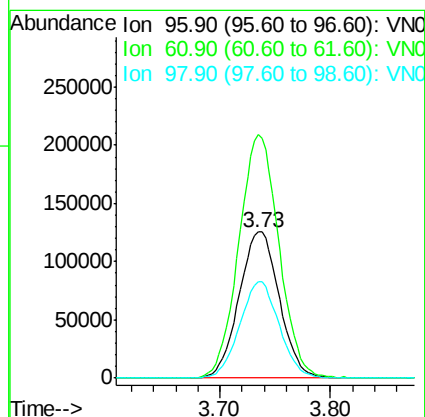
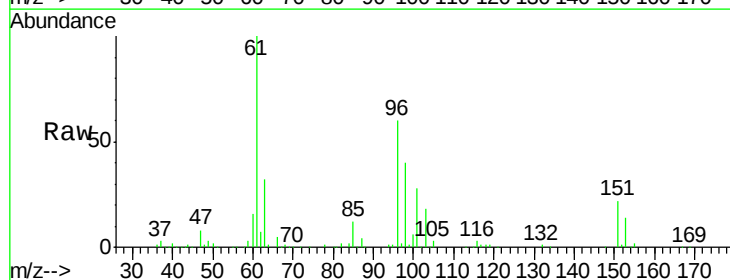
Tgt Ion: 59 Resp: 140224
 Ion Ratio Lower Upper
 59 100
 57 9.7 8.2 12.4

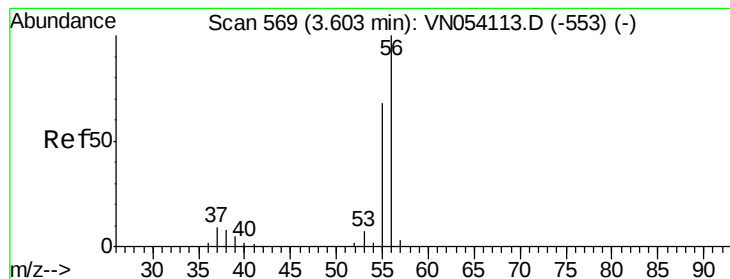


#12

1,1-Dichloroethene
 Concen: 45.182 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Tgt Ion: 96 Resp: 317848
 Ion Ratio Lower Upper
 96 100
 61 166.3 131.2 196.8
 98 66.1 50.7 76.1





#13

Acrolein

Concen: 146.491 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

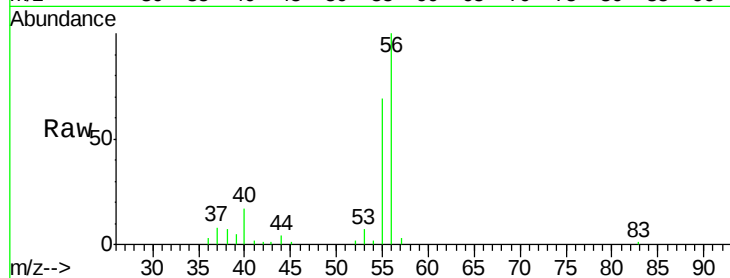
ICVFN030619

Tgt Ion: 56 Resp: 69331

Ion Ratio Lower Upper

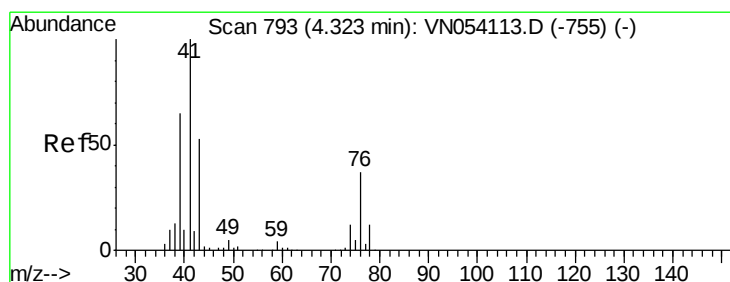
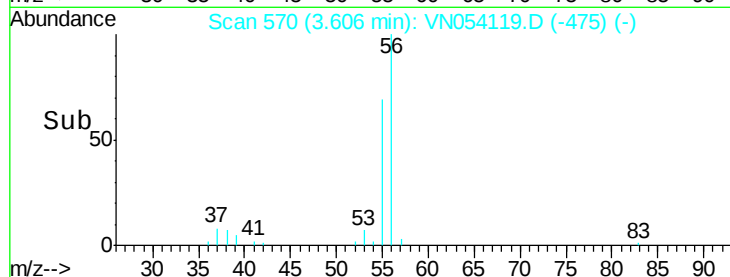
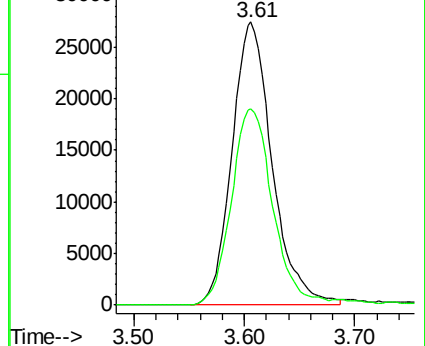
56 100

55 71.0 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.767 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

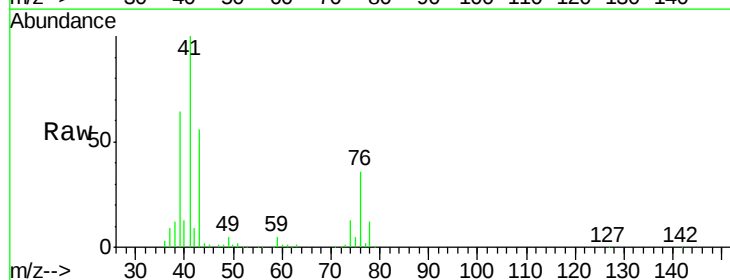
Tgt Ion: 41 Resp: 605484

Ion Ratio Lower Upper

41 100

39 61.0 49.3 73.9

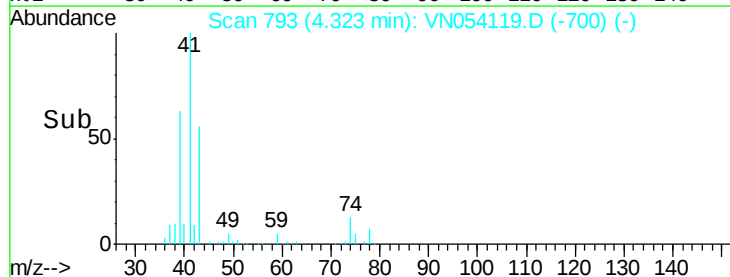
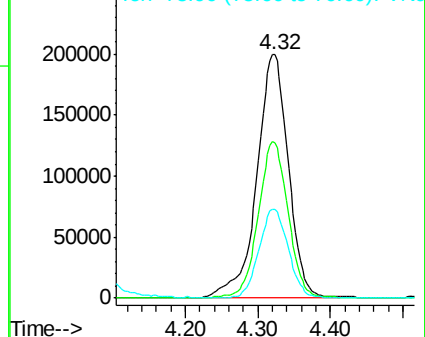
76 33.5 26.5 39.7

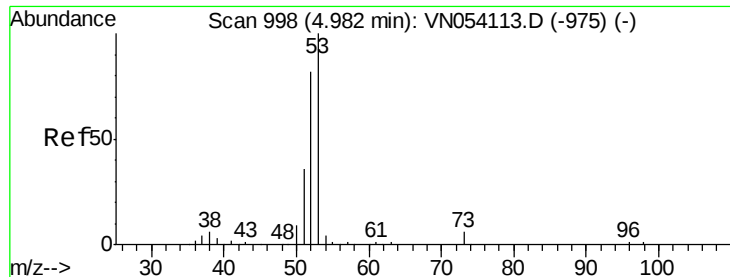


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 240.855 ug/l

RT: 4.98 min Scan# 998

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN030619

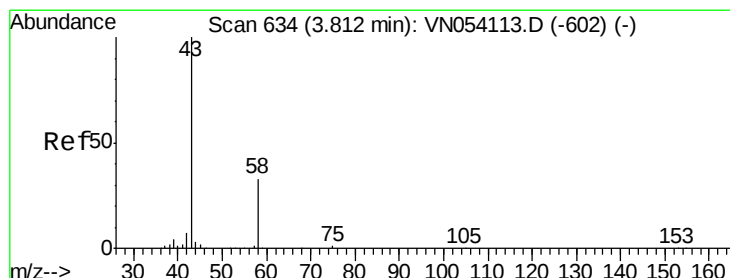
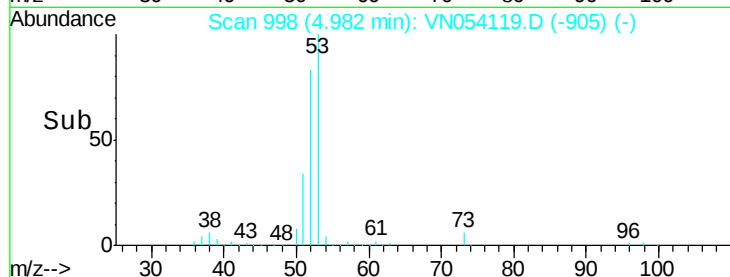
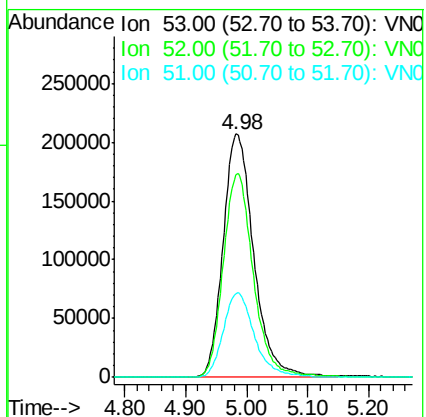
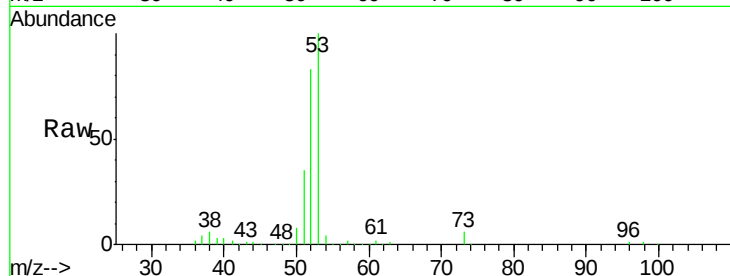
Tgt Ion: 53 Resp: 723752

Ion Ratio Lower Upper

53 100

52 82.1 64.6 97.0

51 35.4 28.6 42.8



#16

Acetone

Concen: 257.576 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN054119.D

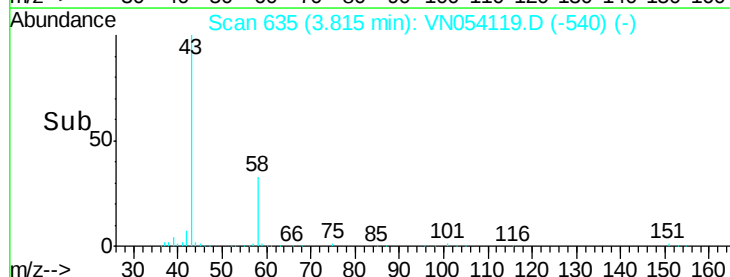
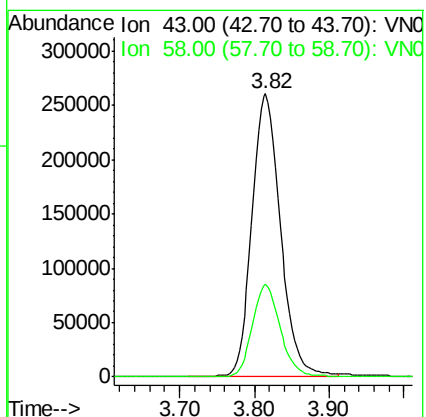
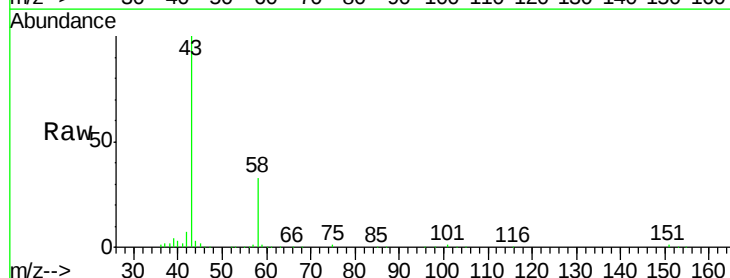
Acq: 6 Mar 2019 16:20

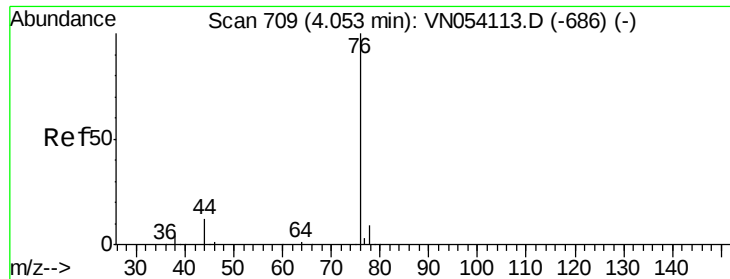
Tgt Ion: 43 Resp: 694205

Ion Ratio Lower Upper

43 100

58 32.7 26.5 39.7

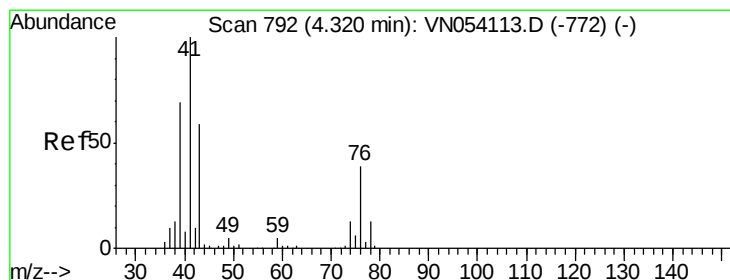
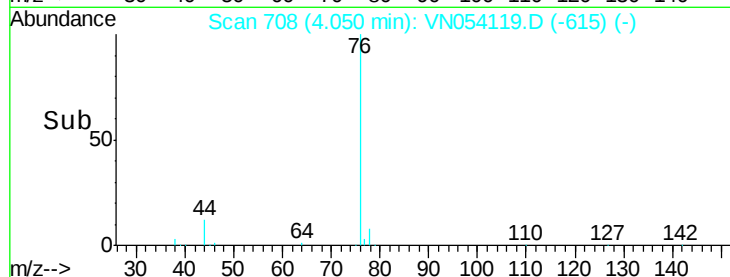
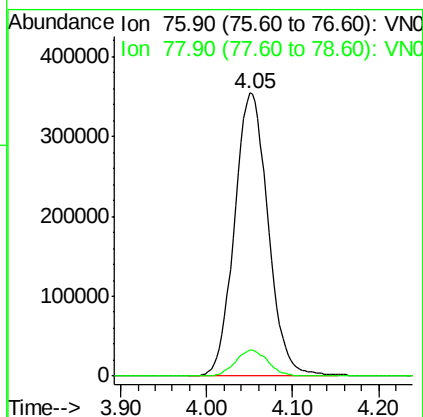
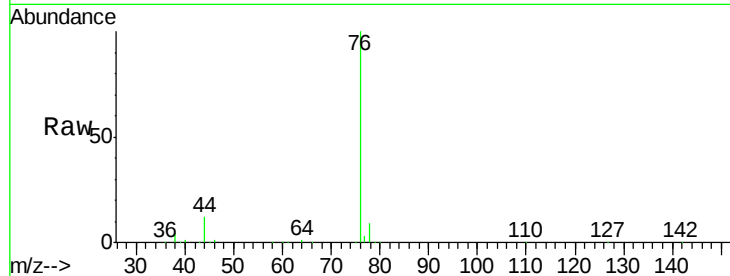




#17
Carbon Disulfide
Concen: 47.465 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

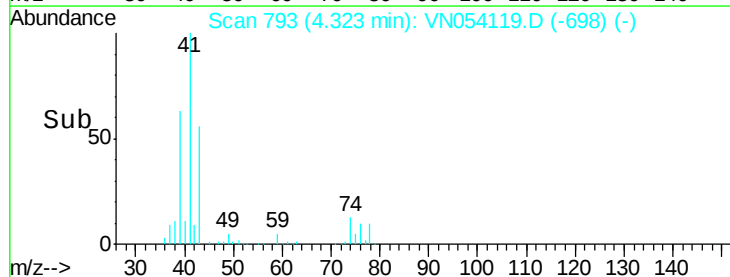
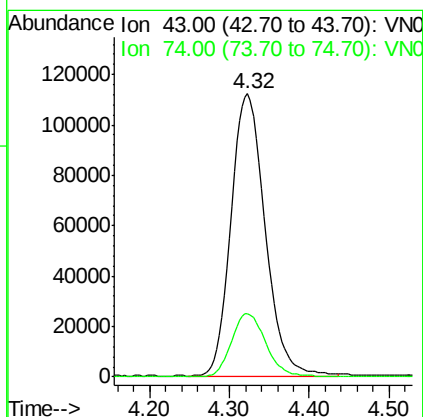
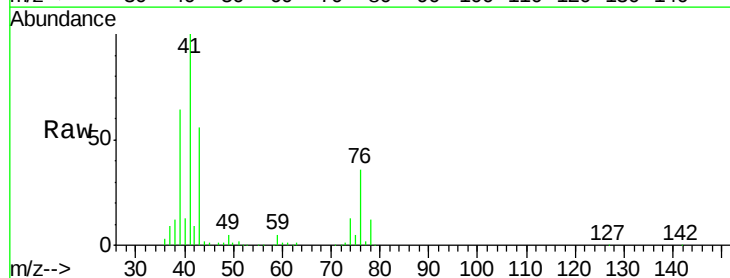
Instrument :
MSVOA_N
ClientSampleId :
ICVVN030619

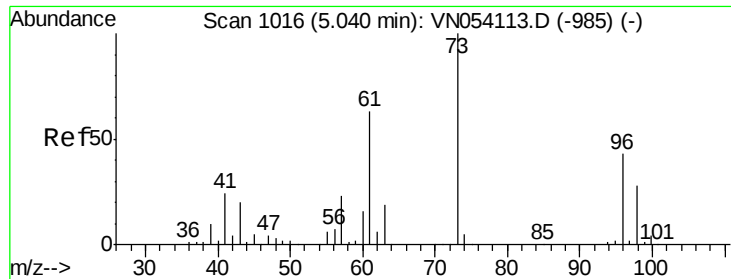
Tgt Ion: 76 Resp: 964310
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 51.048 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Tgt Ion: 43 Resp: 323451
Ion Ratio Lower Upper
43 100
74 22.7 18.2 27.2

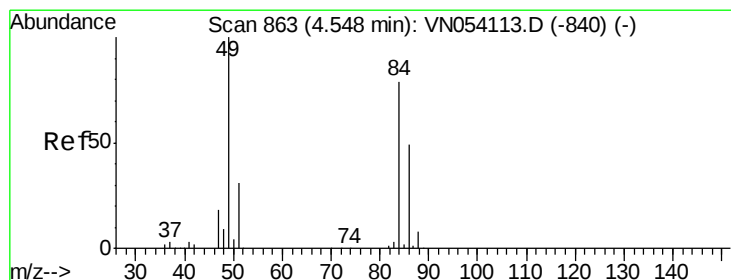
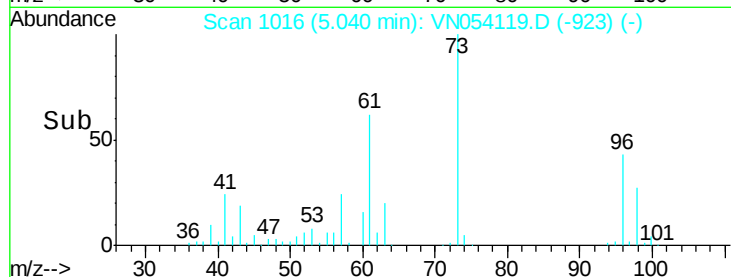
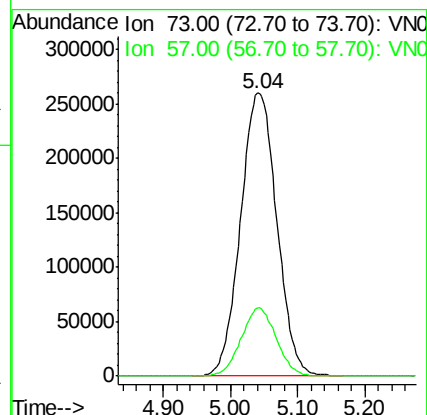
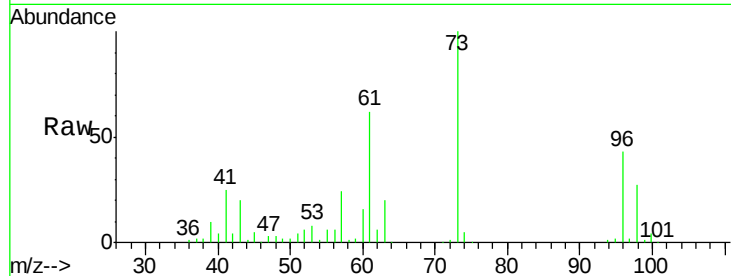




#19
Methyl tert-butyl Ether
Concen: 49.291 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

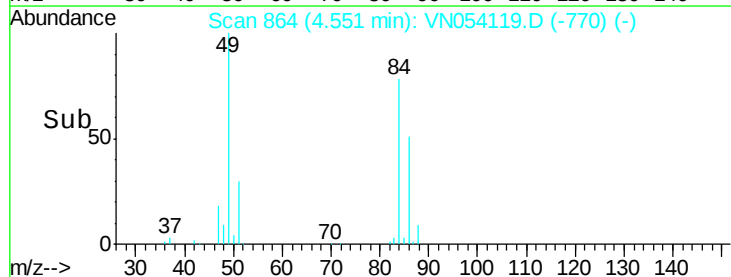
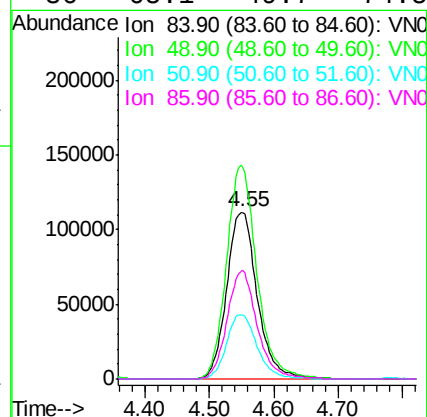
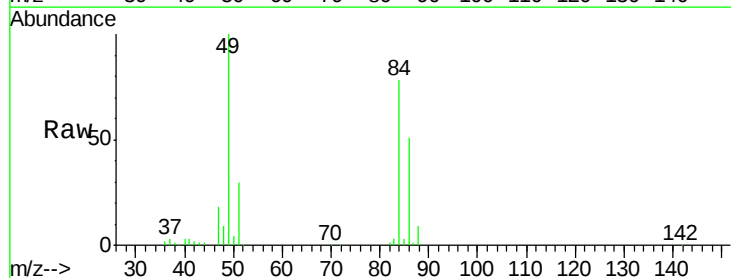
Instrument :
MSVOA_N
ClientSampleId :
ICVVN030619

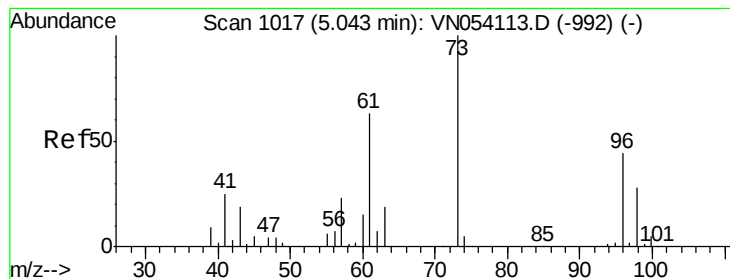
Tgt Ion: 73 Resp: 973166
Ion Ratio Lower Upper
73 100
57 24.0 18.2 27.4



#20
Methylene Chloride
Concen: 48.188 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Tgt Ion: 84 Resp: 368326
Ion Ratio Lower Upper
84 100
49 127.3 101.8 152.8
51 38.2 31.1 46.7
86 65.1 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 45.245 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN030619

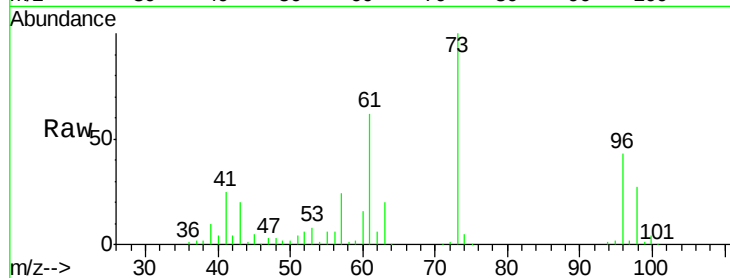
Tgt Ion: 96 Resp: 349419

Ion Ratio Lower Upper

96 100

61 143.8 114.8 172.2

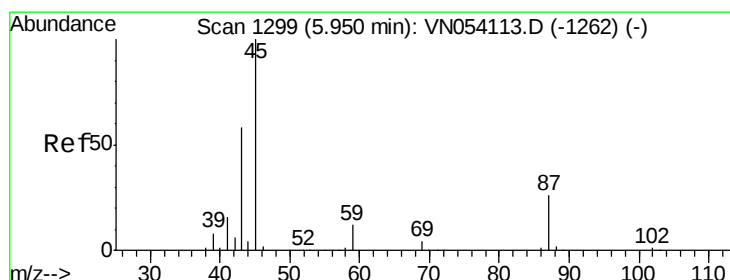
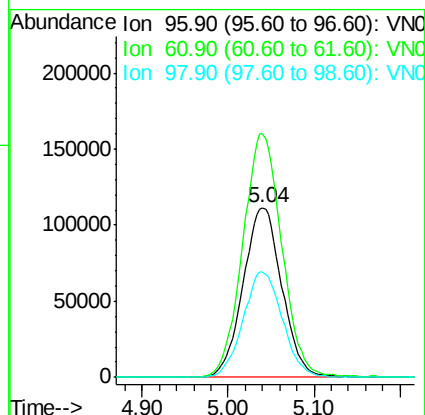
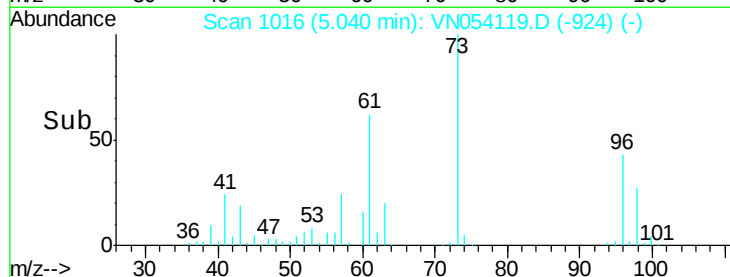
98 62.1 51.4 77.0



Abundance Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 49.472 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Tgt Ion: 45 Resp: 1221834

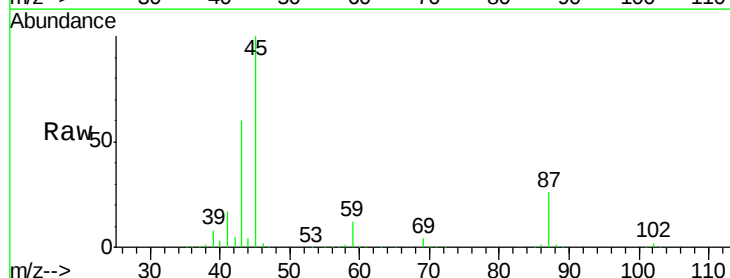
Ion Ratio Lower Upper

45 100

43 59.2 46.2 69.4

87 26.1 20.6 31.0

59 11.4 9.4 14.0

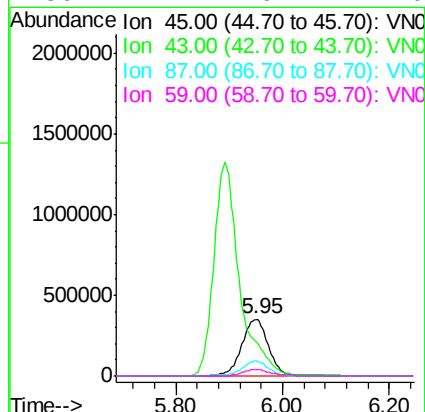
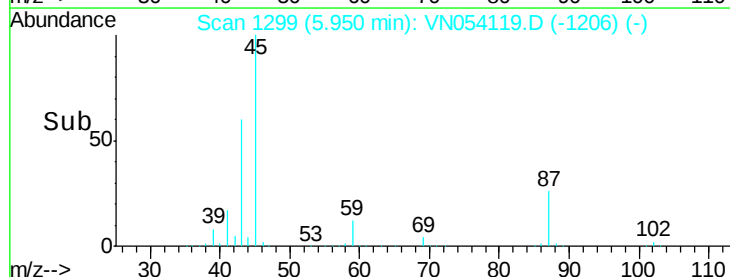


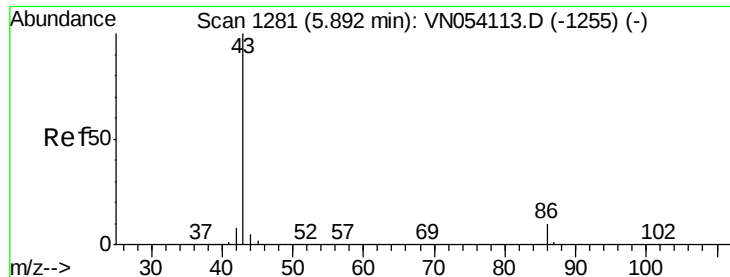
Abundance Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 253.492 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

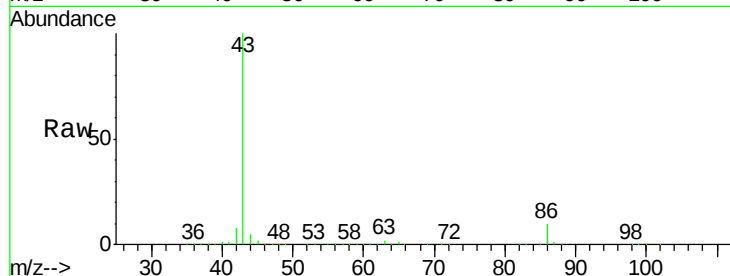
ICVVN030619

Tgt Ion: 43 Resp: 4447135

Ion Ratio Lower Upper

43 100

86 9.5 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.89

1500000

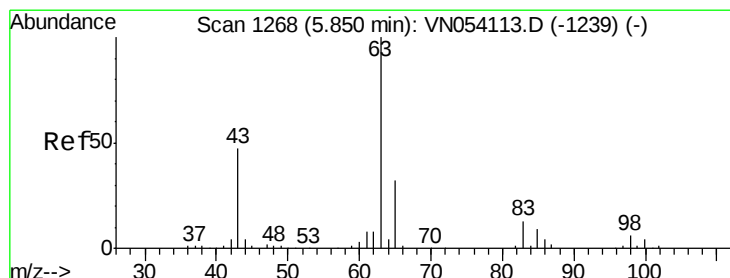
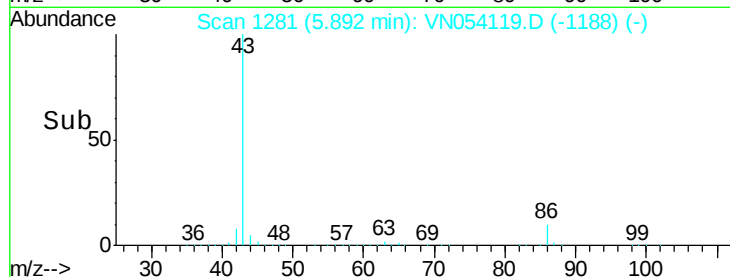
1000000

500000

0

Time-->

5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 46.152 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

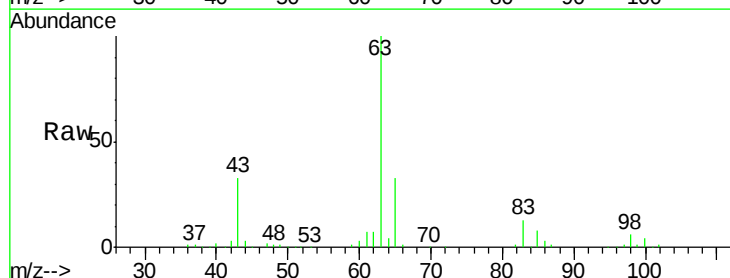
Tgt Ion: 63 Resp: 681961

Ion Ratio Lower Upper

63 100

98 6.3 3.1 9.4

100 4.0 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.85

250000

200000

150000

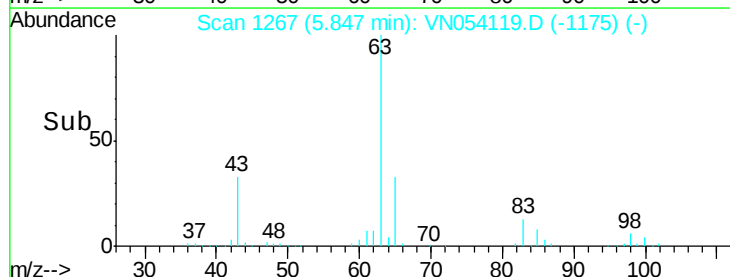
100000

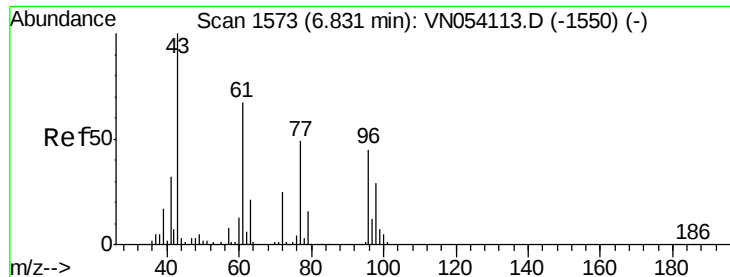
50000

0

Time-->

5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 257.465 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

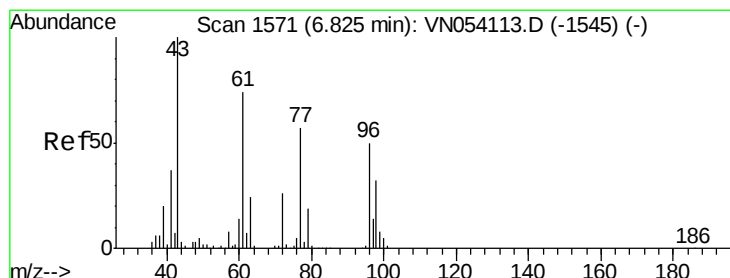
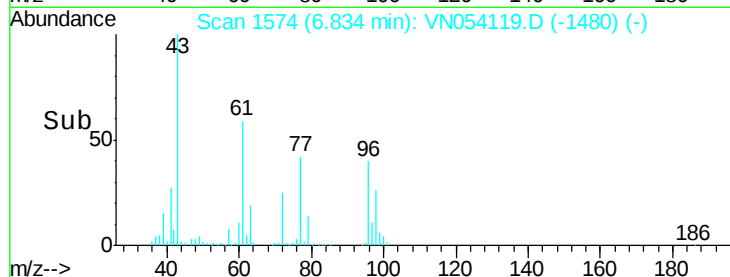
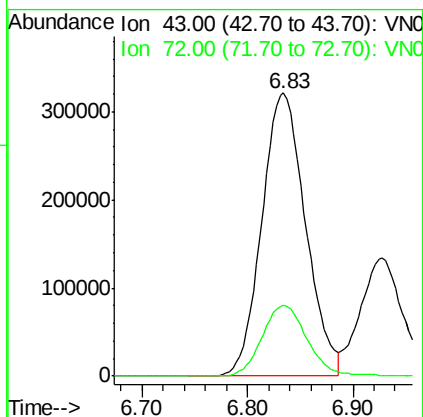
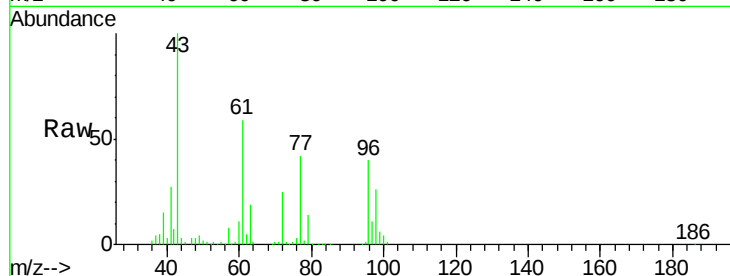
ICVVN030619

Tgt Ion: 43 Resp: 923240

Ion Ratio Lower Upper

43 100

72 25.2 20.2 30.2



#26

2,2-Dichloropropane

Concen: 47.430 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN054119.D

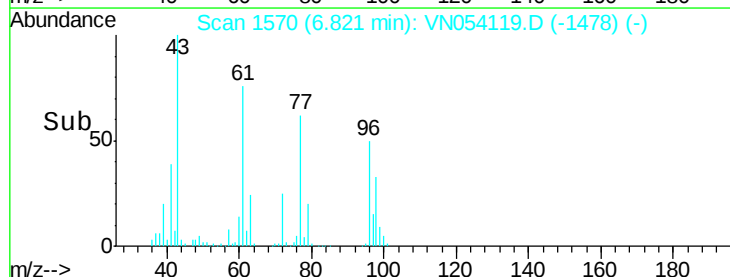
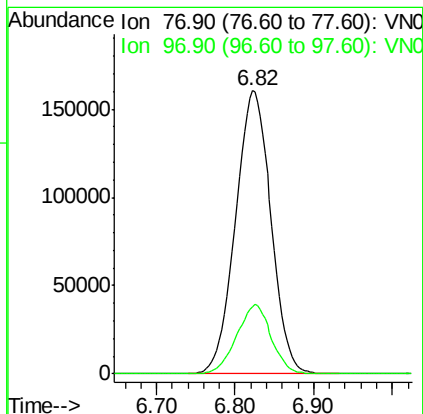
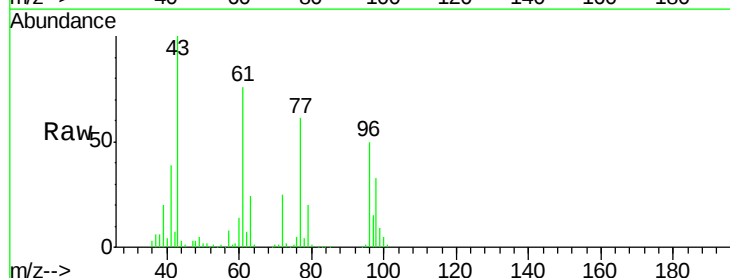
Acq: 6 Mar 2019 16:20

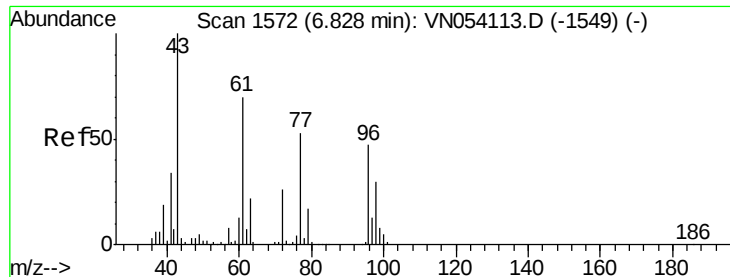
Tgt Ion: 77 Resp: 505147

Ion Ratio Lower Upper

77 100

97 23.9 11.8 35.3

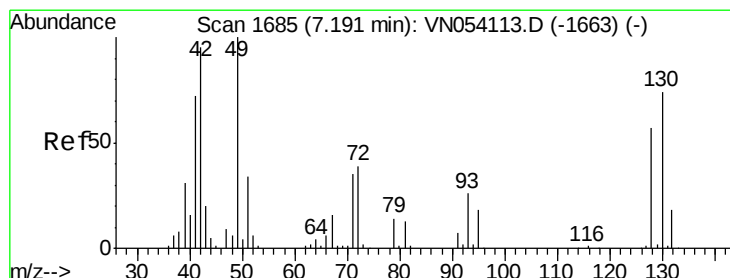
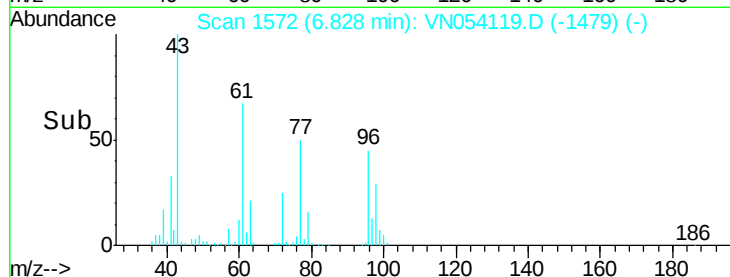
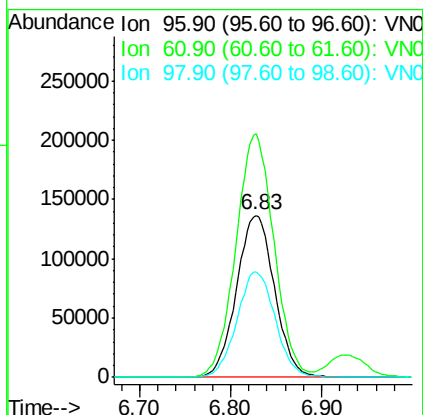
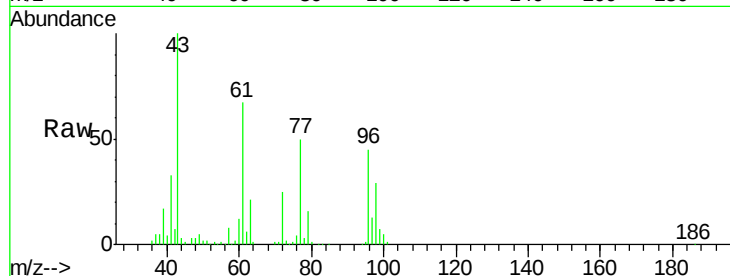




#27
 cis-1,2-Dichloroethene
 Concen: 46.127 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

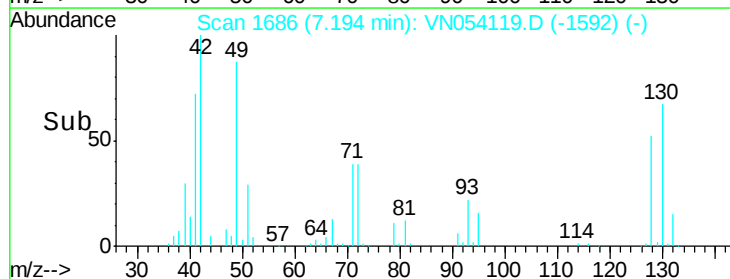
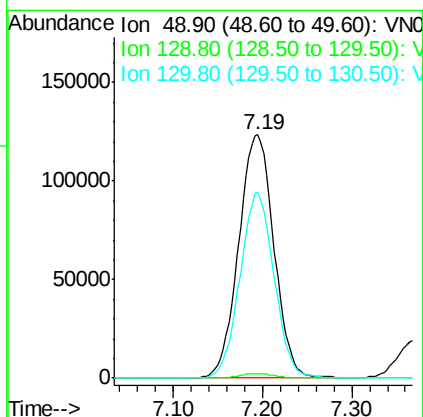
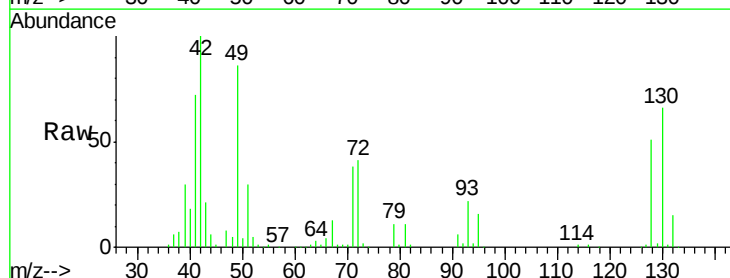
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN030619

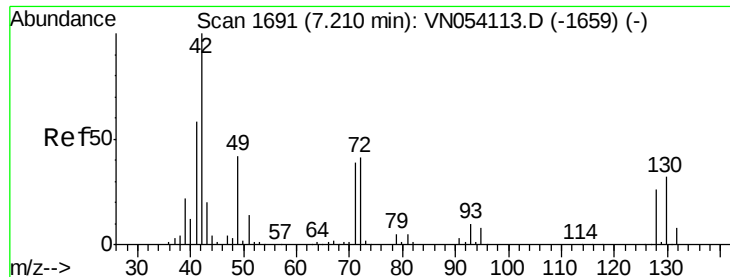
Tgt Ion: 96 Resp: 397235
 Ion Ratio Lower Upper
 96 100
 61 150.4 0.0 297.0
 98 65.4 0.0 129.4



#28
 Bromochloromethane
 Concen: 45.996 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Tgt Ion: 49 Resp: 339233
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 3.8
 130 73.9 59.4 89.2





#29

Tetrahydrofuran

Concen: 250.663 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN030619

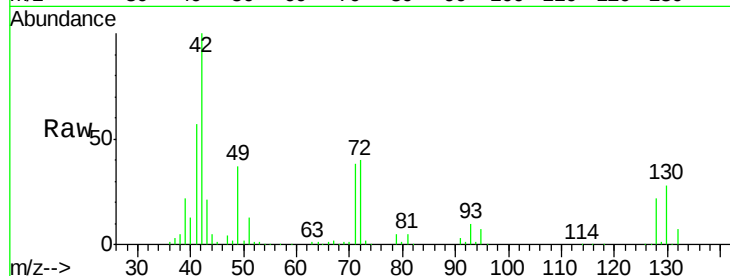
Tgt Ion: 42 Resp: 589150

Ion Ratio Lower Upper

42 100

72 40.3 32.8 49.2

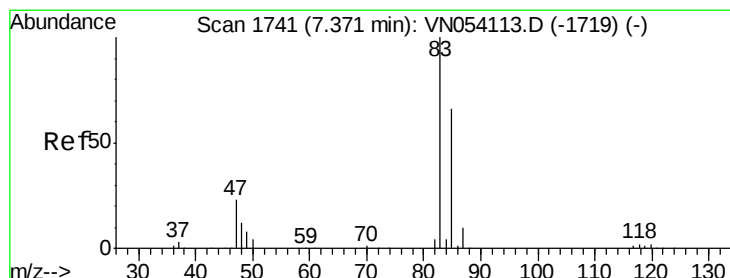
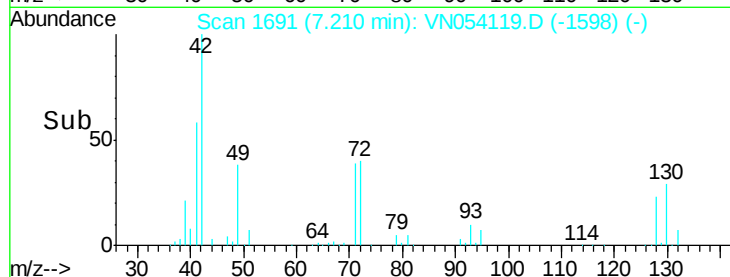
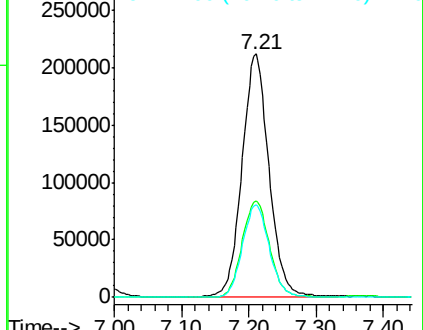
71 37.9 30.5 45.7



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 45.791 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN054119.D

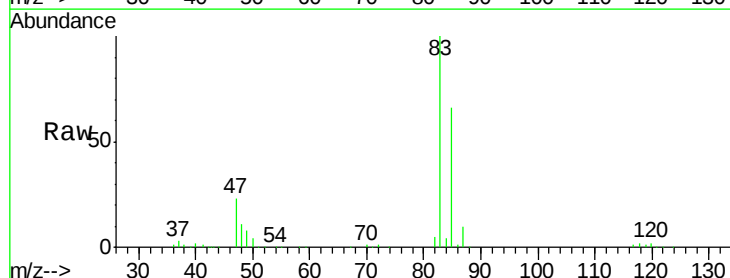
Acq: 6 Mar 2019 16:20

Tgt Ion: 83 Resp: 648324

Ion Ratio Lower Upper

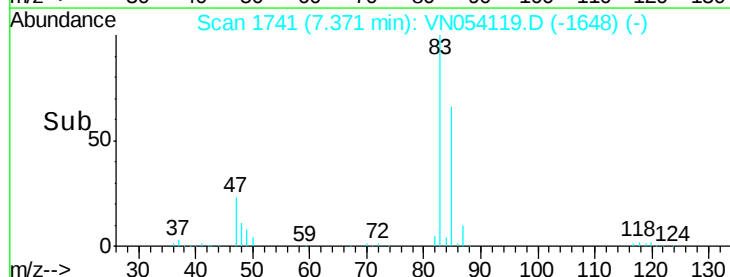
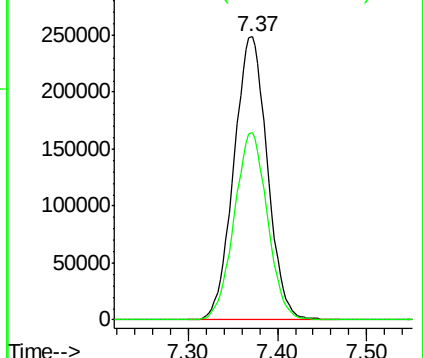
83 100

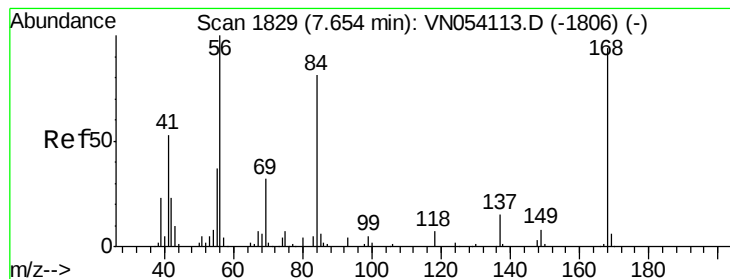
85 66.3 53.1 79.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 49.764 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN030619

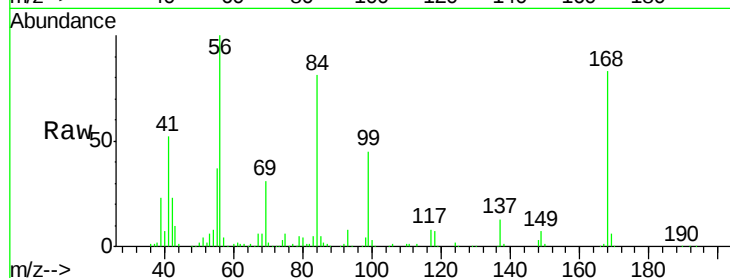
Tgt Ion: 56 Resp: 653529

Ion Ratio Lower Upper

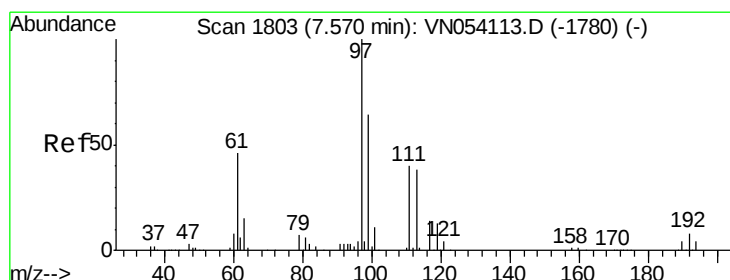
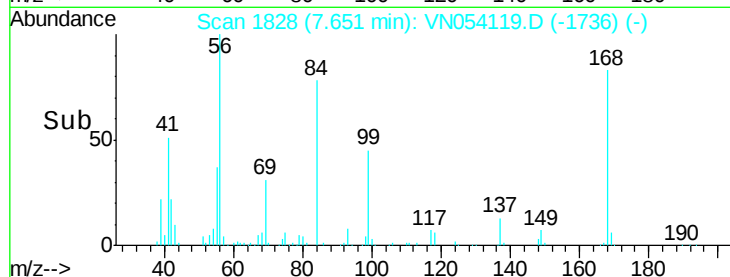
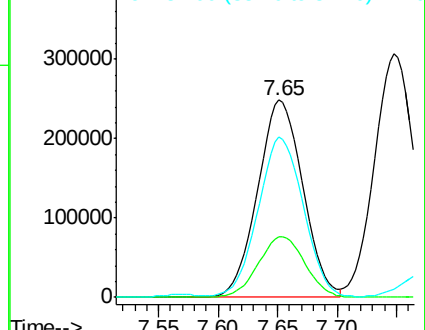
56 100

69 30.7 25.5 38.3

84 80.0 64.5 96.7



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



#32

1,1,1-Trichloroethane

Concen: 46.000 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

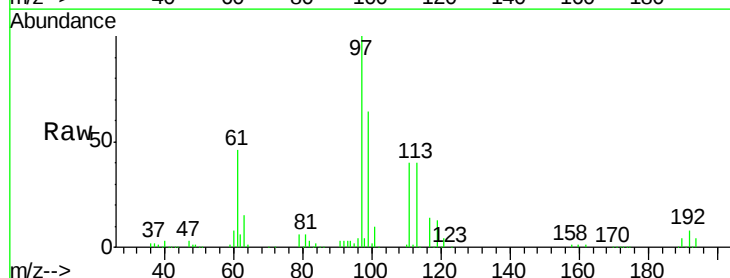
Tgt Ion: 97 Resp: 539969

Ion Ratio Lower Upper

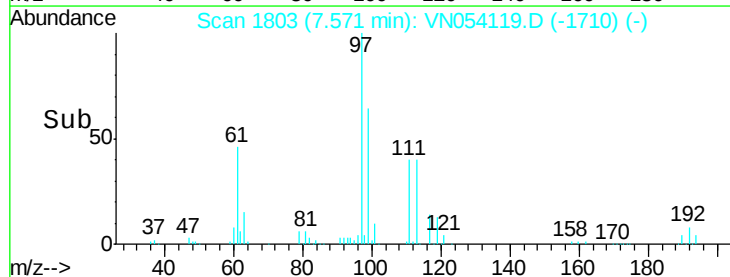
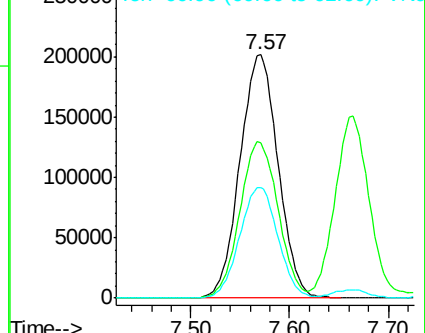
97 100

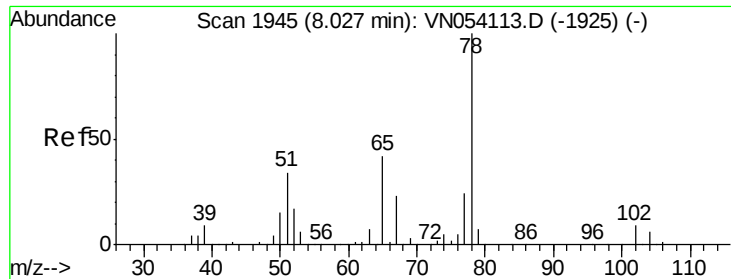
99 64.6 51.2 76.8

61 45.8 37.1 55.7



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

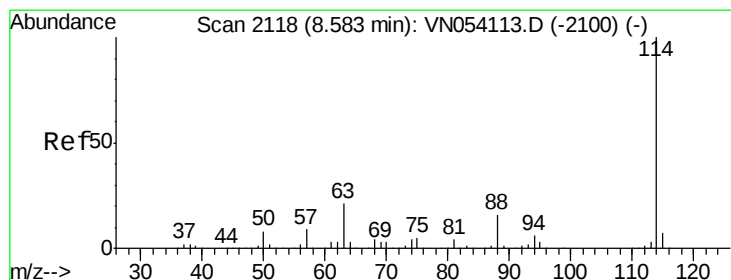
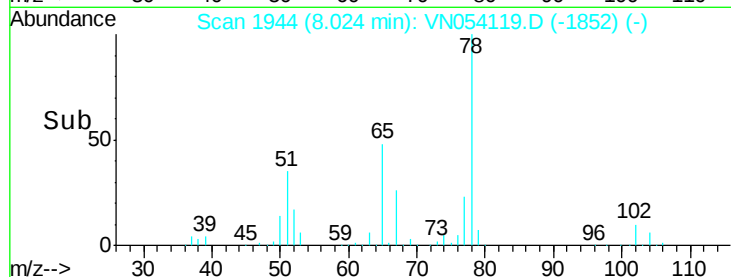
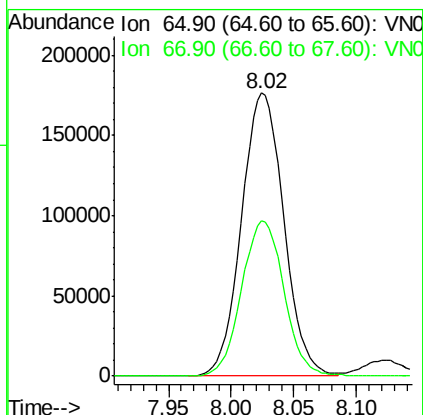
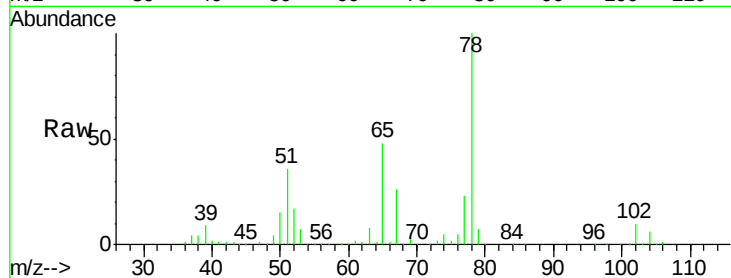




#33
 1,2-Dichloroethane-d4
 Concen: 47.360 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

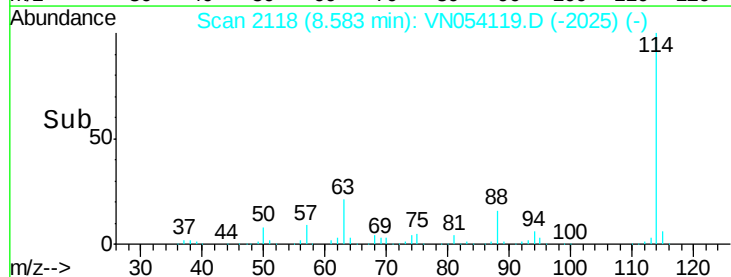
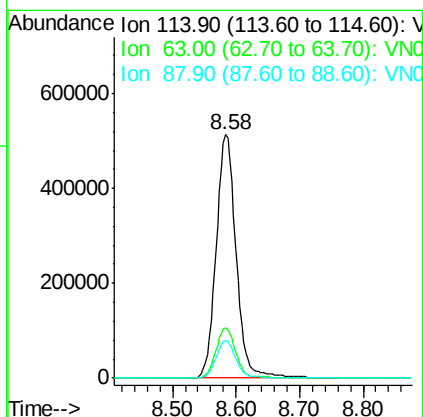
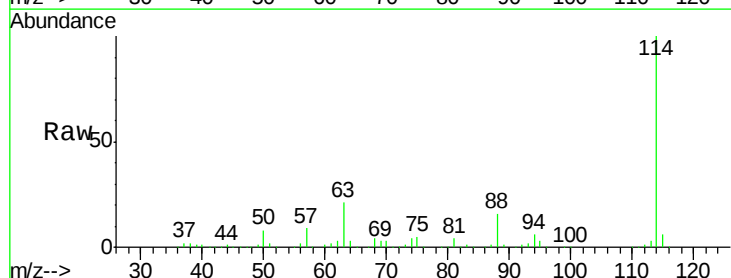
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030619

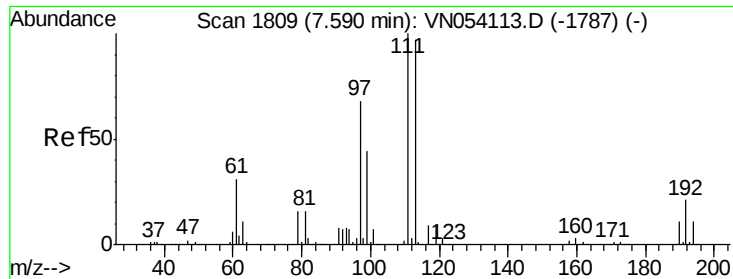
Tgt Ion: 65 Resp: 414433
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Tgt Ion: 114 Resp: 1118264
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 42.6
 88 15.5 0.0 31.8

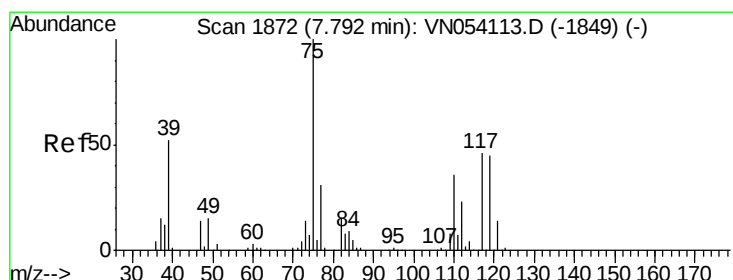
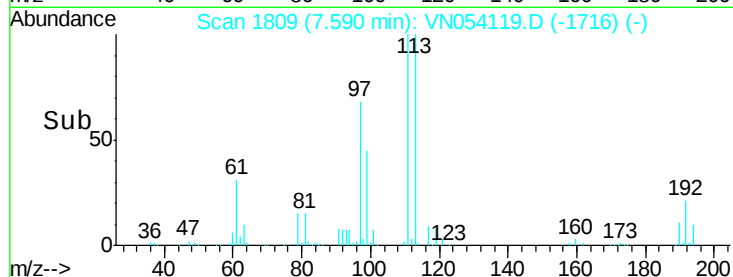
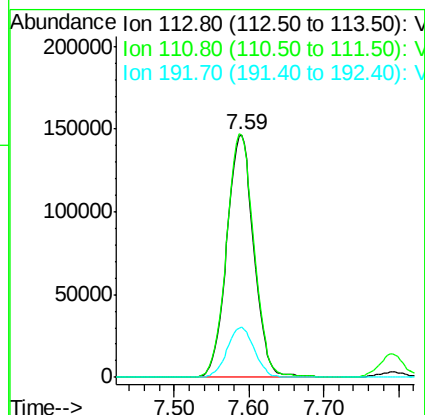
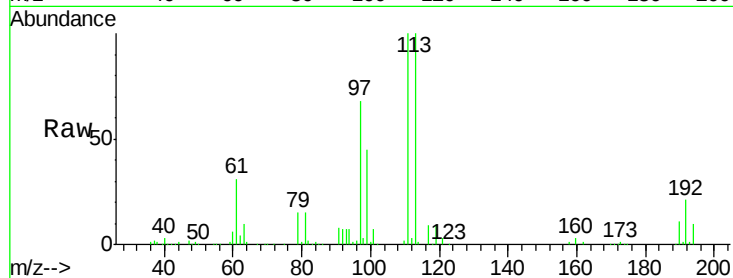




#35
 Dibromofluoromethane
 Concen: 50.451 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

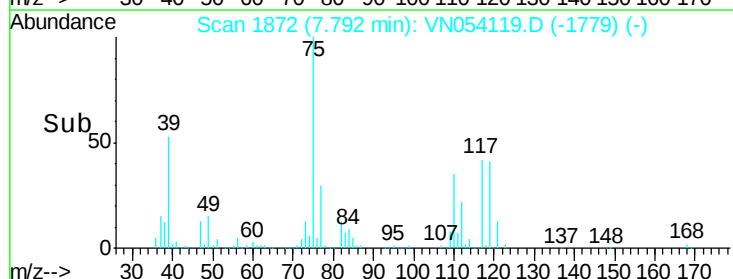
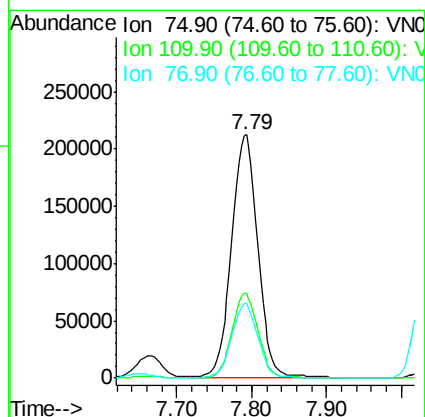
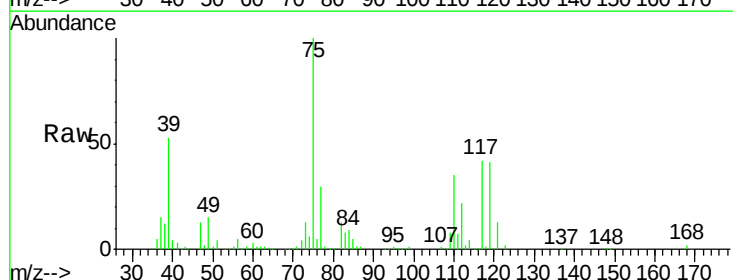
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030619

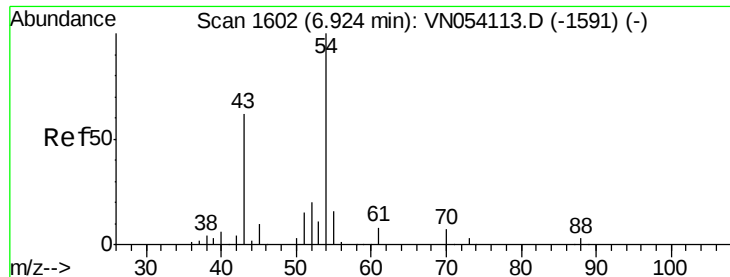
Tgt Ion: 113 Resp: 366424
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.1 123.1
 192 20.9 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 49.274 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Tgt Ion: 75 Resp: 517195
 Ion Ratio Lower Upper
 75 100
 110 34.7 18.0 54.0
 77 30.9 25.3 37.9

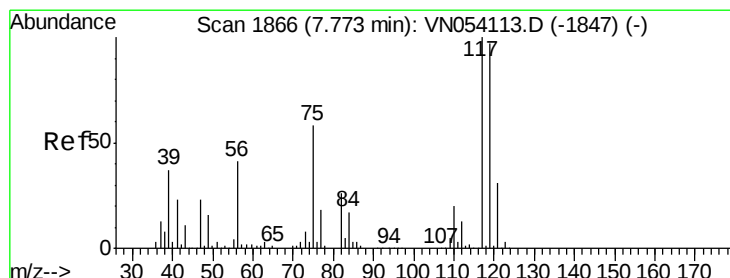
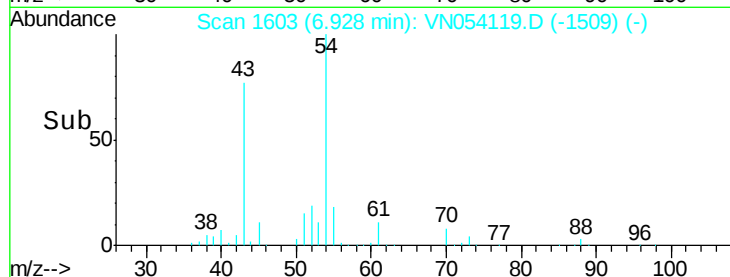
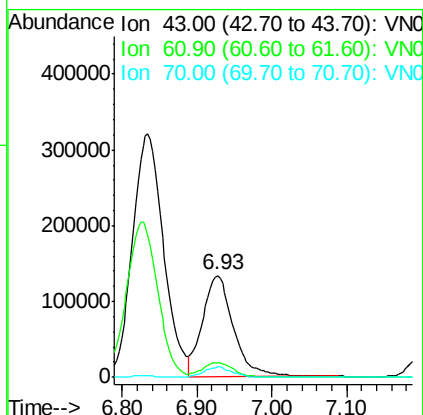
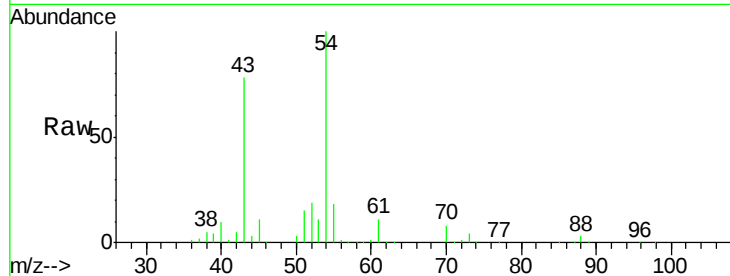




#37
 Ethyl Acetate
 Concen: 50.680 ug/l
 RT: 6.93 min Scan# 1603
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

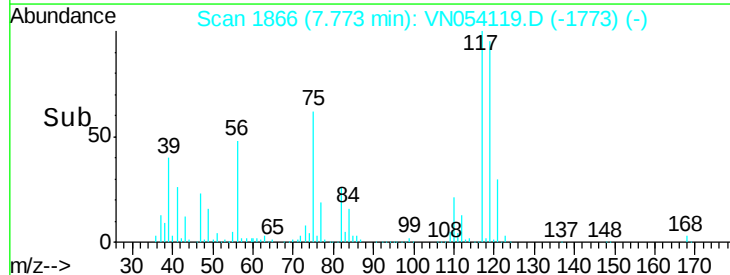
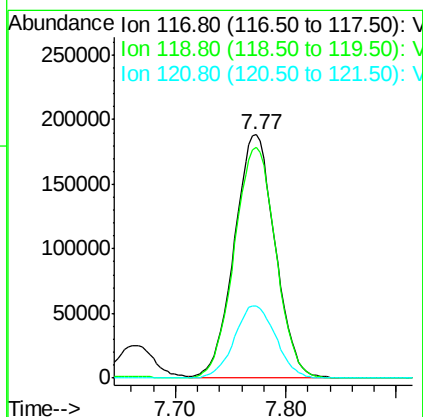
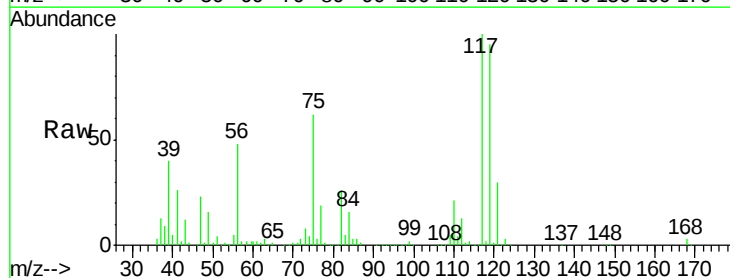
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030619

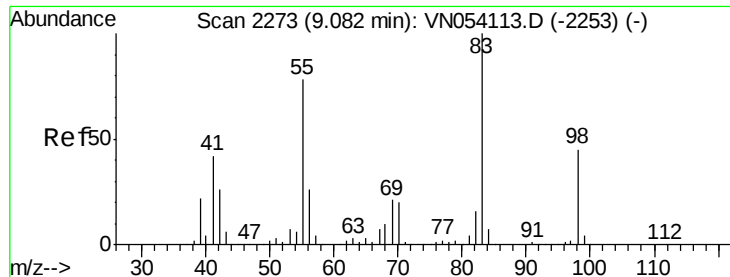
Tgt Ion: 43 Resp: 382771
 Ion Ratio Lower Upper
 43 100
 61 14.4 11.1 16.7
 70 9.2 7.6 11.4



#38
 Carbon Tetrachloride
 Concen: 47.786 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Tgt Ion: 117 Resp: 478825
 Ion Ratio Lower Upper
 117 100
 119 95.2 77.0 115.6
 121 29.6 24.3 36.5

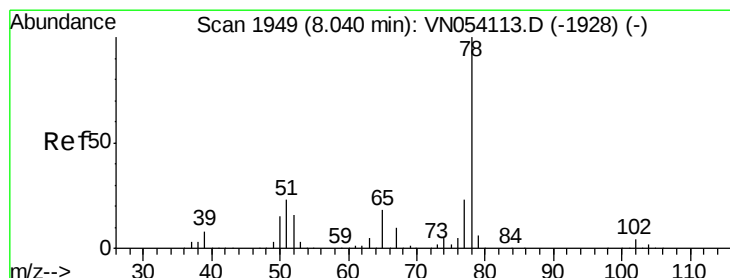
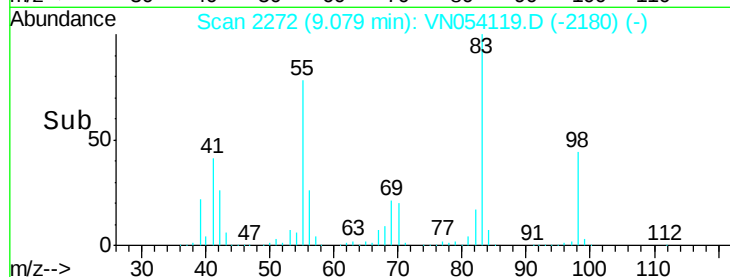
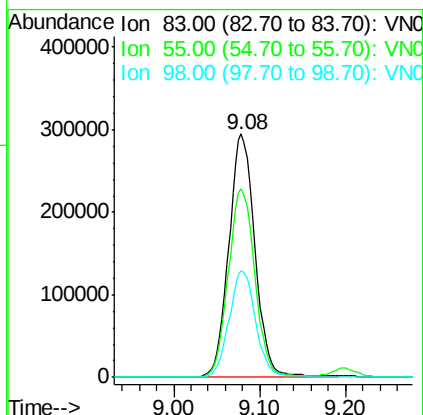
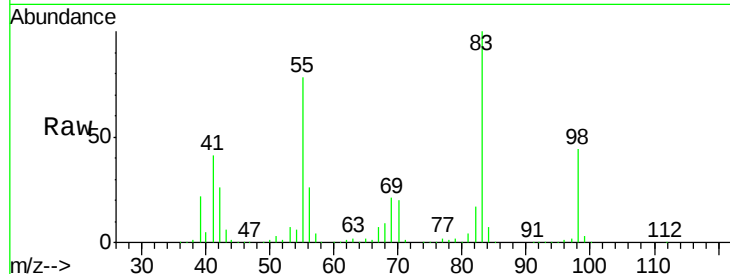




#39
Methylcyclohexane
Concen: 51.576 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

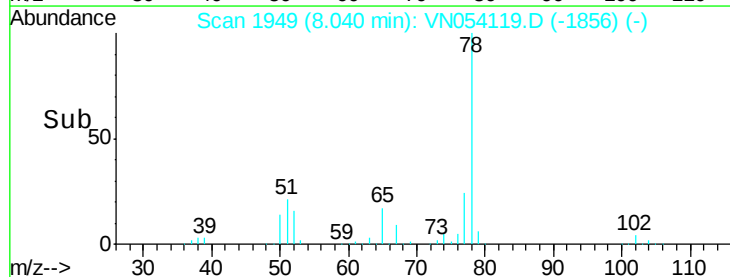
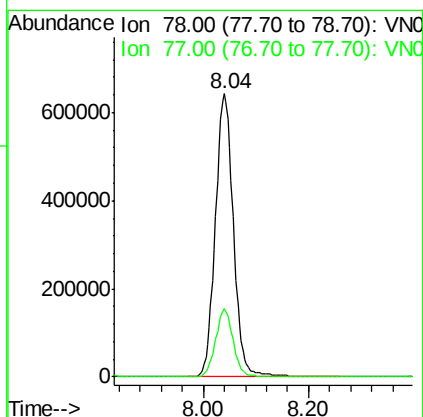
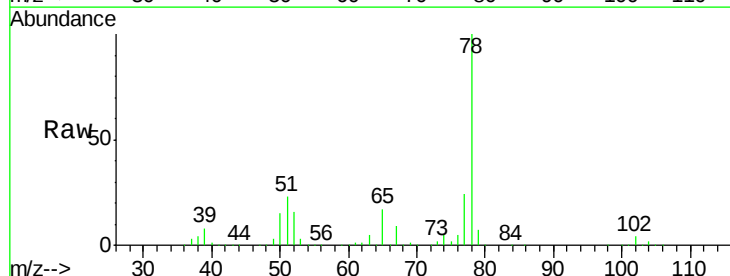
Instrument :
MSVOA_N
ClientSampleId :
ICVVN030619

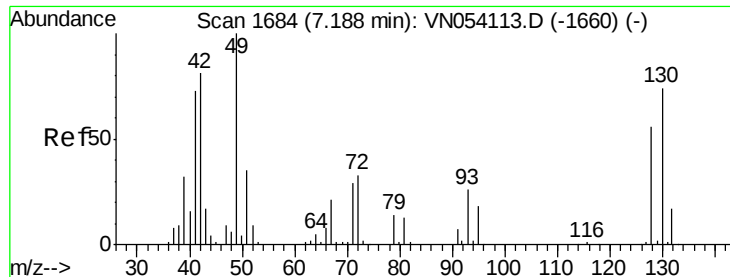
Tgt Ion: 83 Resp: 624769
Ion Ratio Lower Upper
83 100
55 77.6 62.1 93.1
98 43.8 36.0 54.0



#40
Benzene
Concen: 49.095 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Tgt Ion: 78 Resp: 1524566
Ion Ratio Lower Upper
78 100
77 23.9 18.7 28.1





#41

Methacrylonitrile

Concen: 47.834 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.02 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN030619

Tgt Ion: 41 Resp: 188291

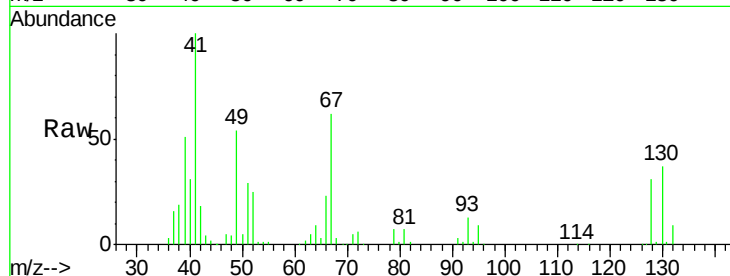
Ion Ratio Lower Upper

41 100

39 64.4 0.0 0.0#

67 86.1 0.0 0.0#

52 34.1 0.0 0.0#

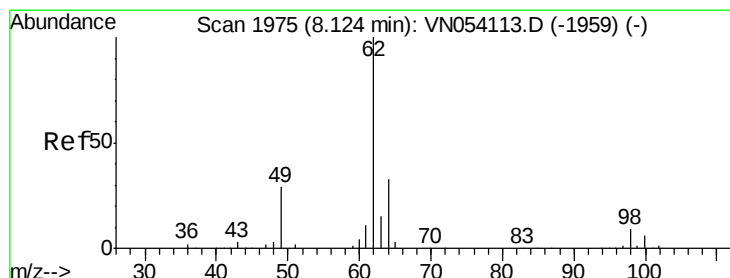
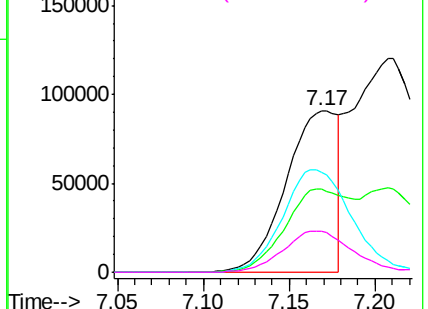
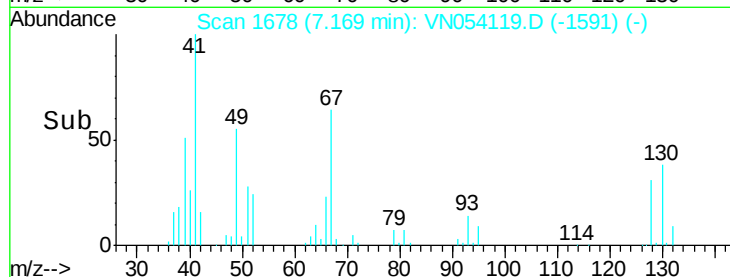


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 48.091 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN054119.D

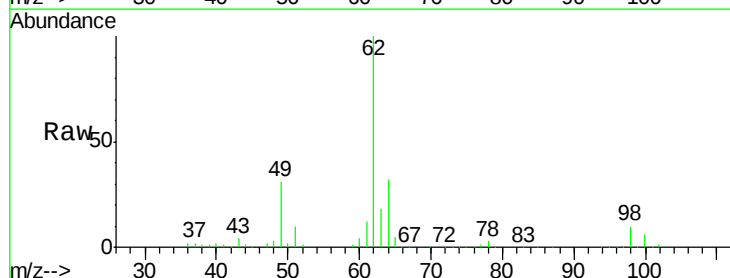
Acq: 6 Mar 2019 16:20

Tgt Ion: 62 Resp: 473062

Ion Ratio Lower Upper

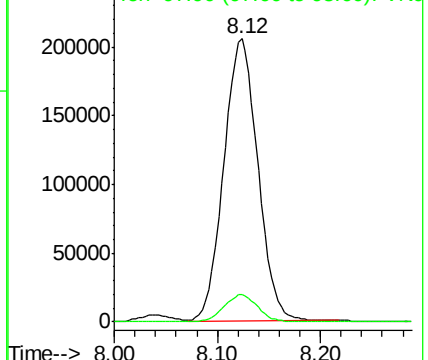
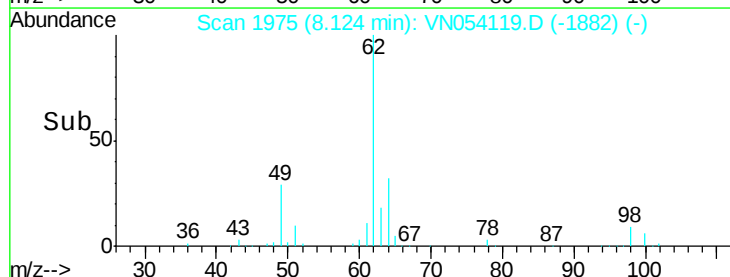
62 100

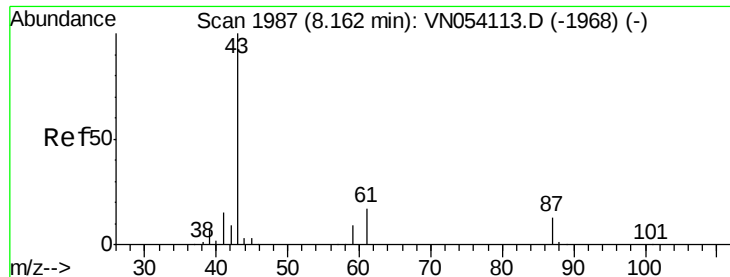
98 9.5 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 51.187 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN030619

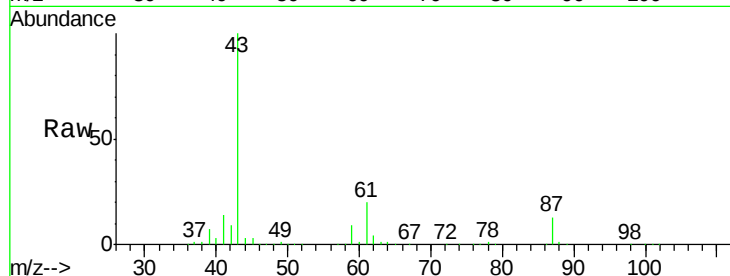
Tgt Ion: 43 Resp: 642178

Ion Ratio Lower Upper

43 100

61 27.4 22.5 33.7

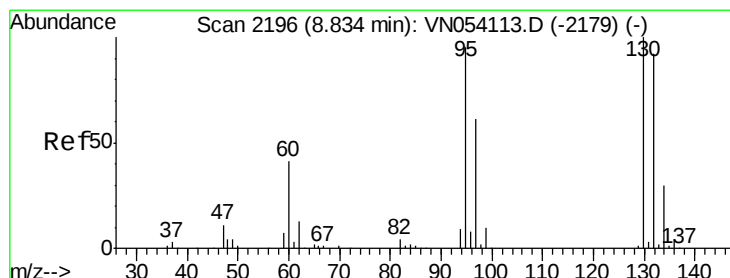
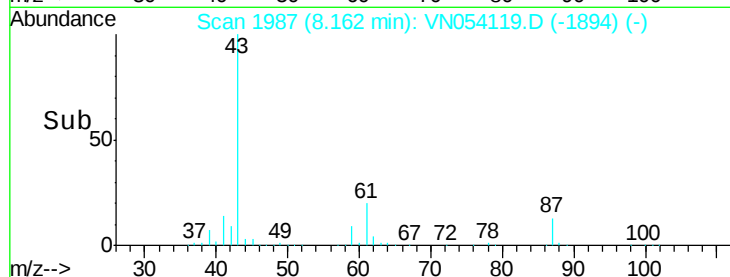
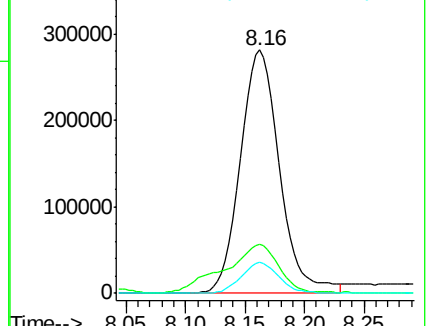
87 12.3 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 47.010 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054119.D

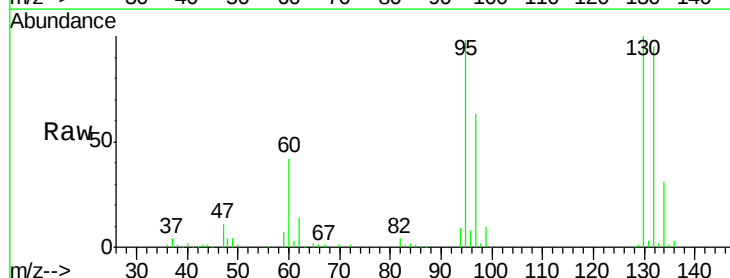
Acq: 6 Mar 2019 16:20

Tgt Ion: 130 Resp: 391440

Ion Ratio Lower Upper

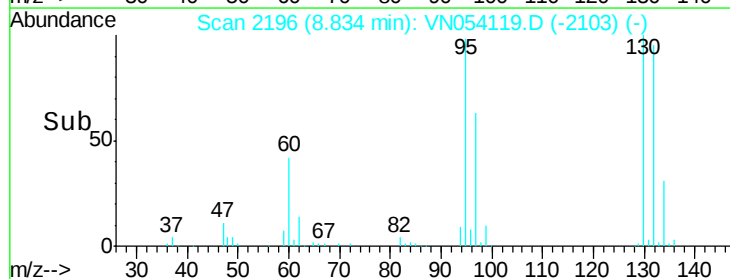
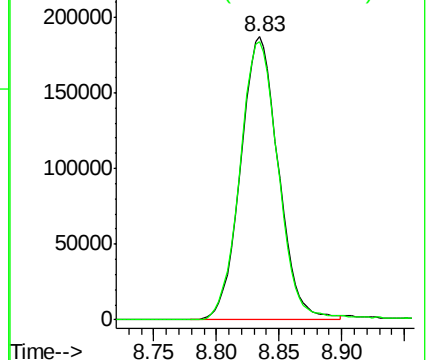
130 100

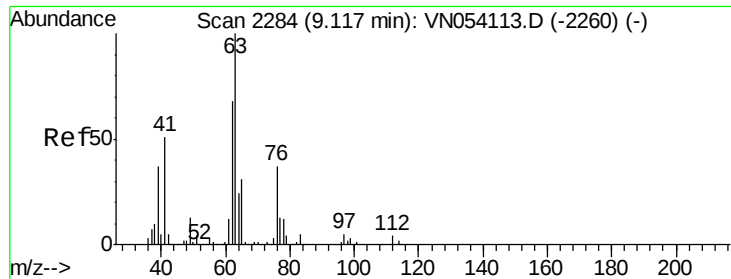
95 98.2 0.0 189.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

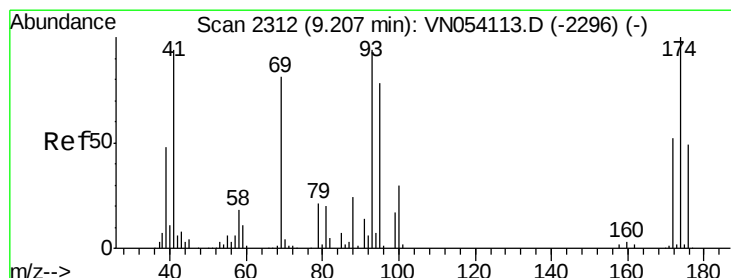
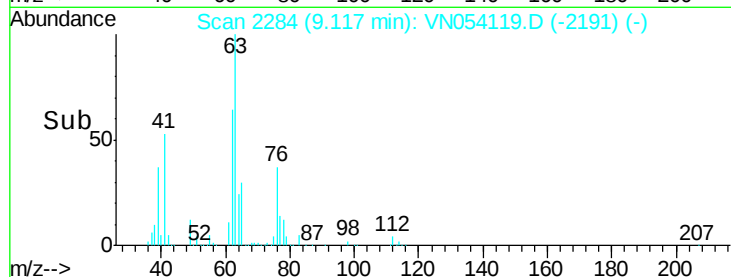
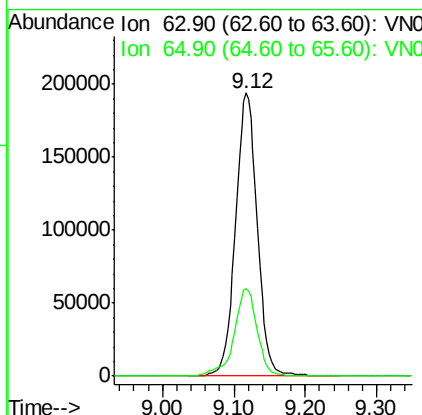
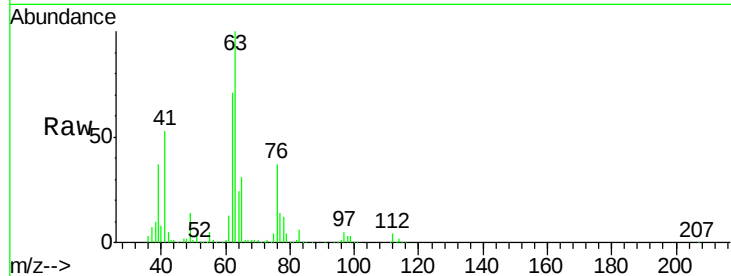




#45
 1,2-Dichloropropane
 Concen: 48.267 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

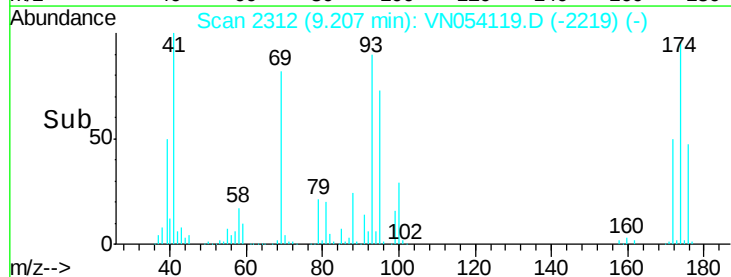
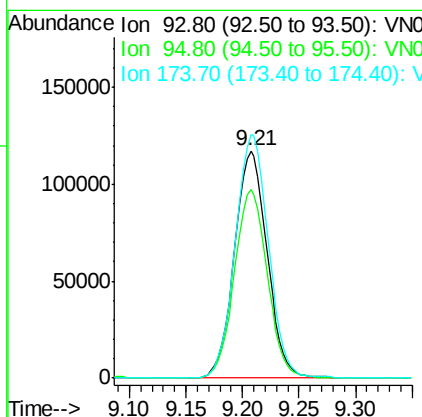
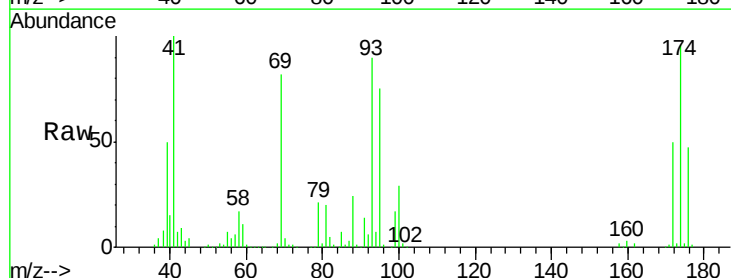
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030619

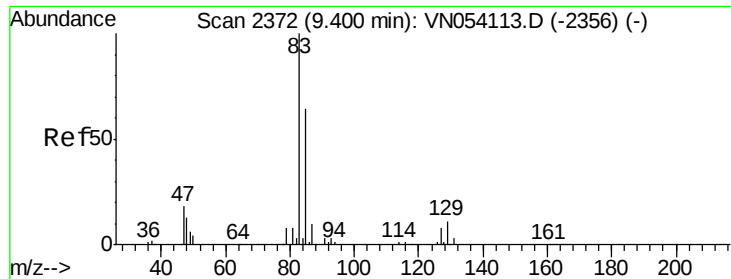
Tgt Ion: 63 Resp: 413432
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.6 36.8



#46
 Dibromomethane
 Concen: 48.358 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Tgt Ion: 93 Resp: 236449
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.1 99.1
 174 109.0 86.1 129.1

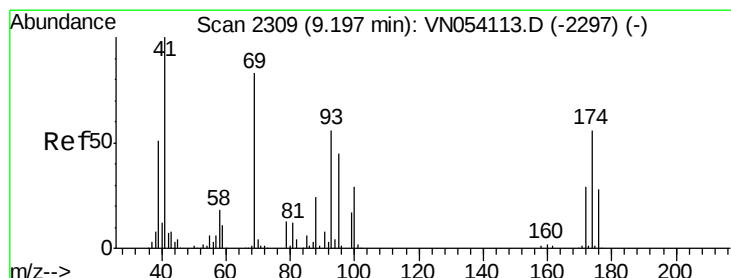
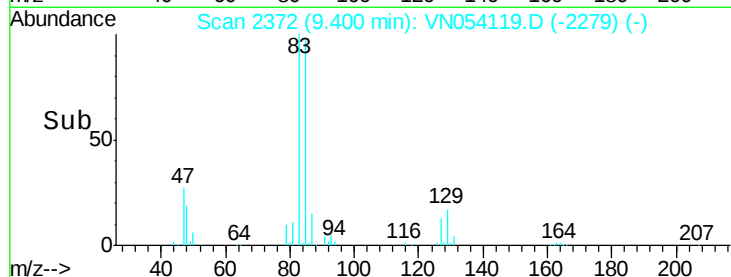
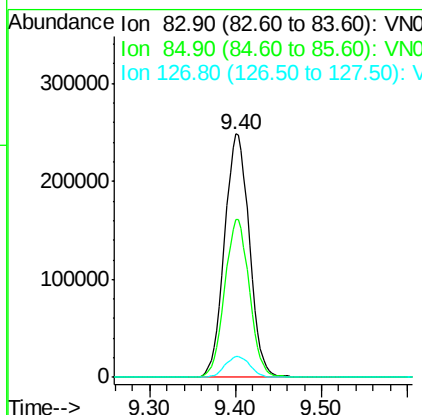
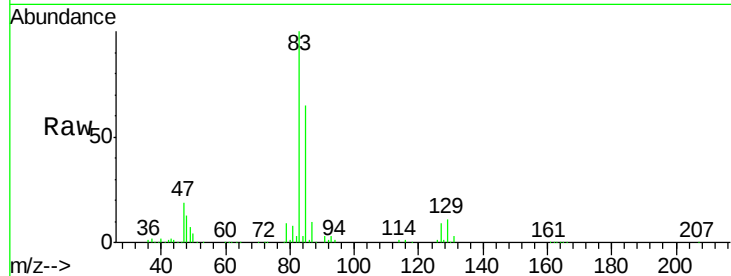




#47
 Bromodichloromethane
 Concen: 48.888 ug/l
 RT: 9.40 min Scan# 2372
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

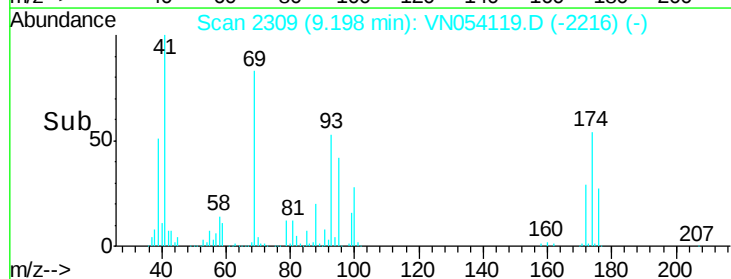
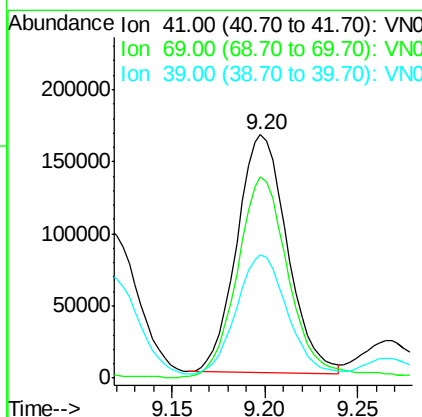
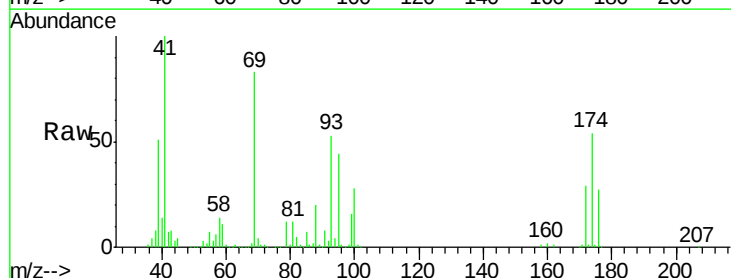
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030619

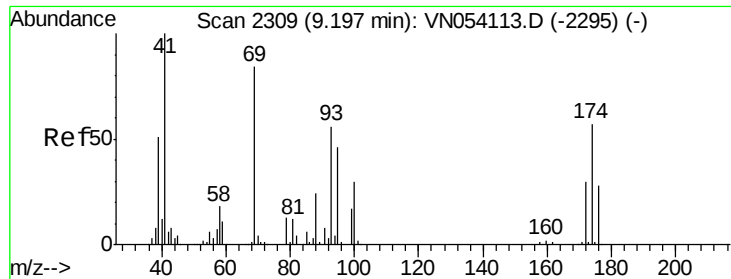
Tgt Ion: 83 Resp: 500379
 Ion Ratio Lower Upper
 83 100
 85 64.6 51.0 76.4
 127 8.6 6.5 9.7



#48
 Methyl methacrylate
 Concen: 54.134 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Tgt Ion: 41 Resp: 312655
 Ion Ratio Lower Upper
 41 100
 69 86.8 71.0 106.4
 39 53.4 43.7 65.5

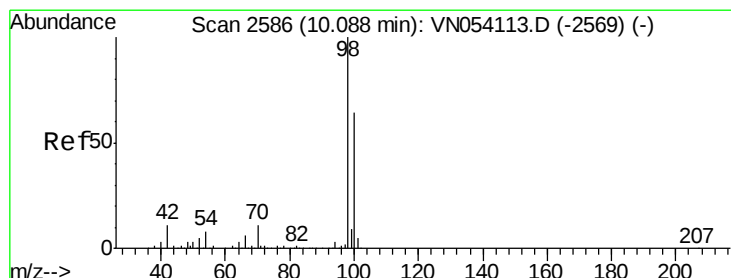
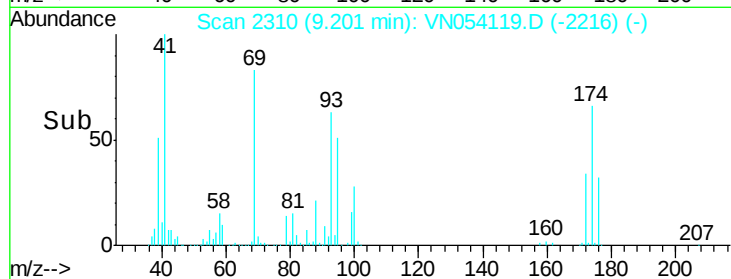
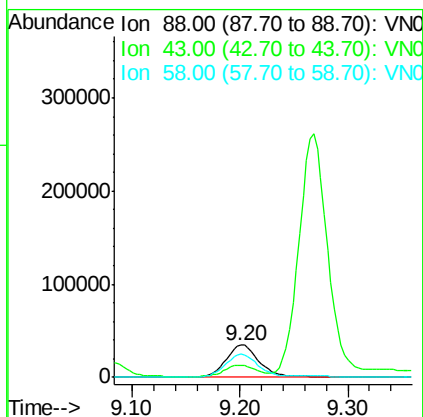
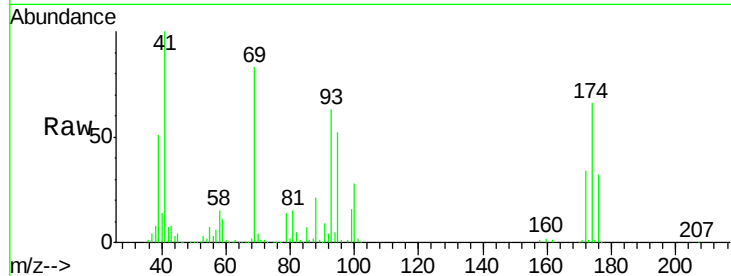




#49
 1,4-Dioxane
 Concen: 905.265 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

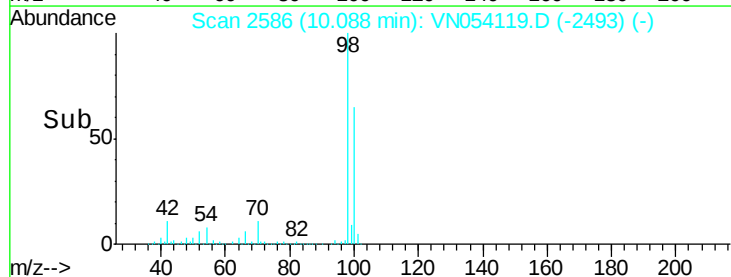
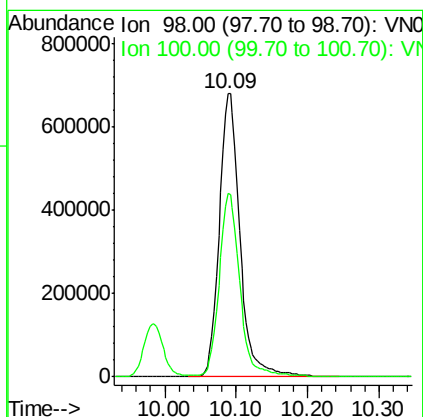
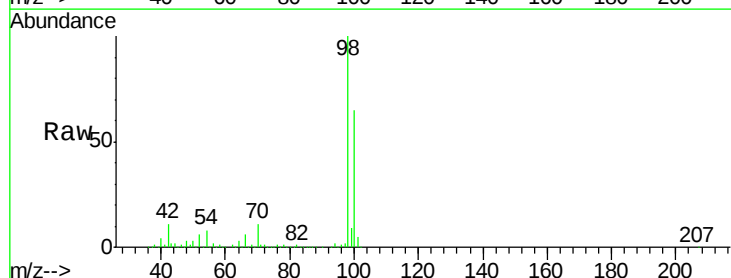
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030619

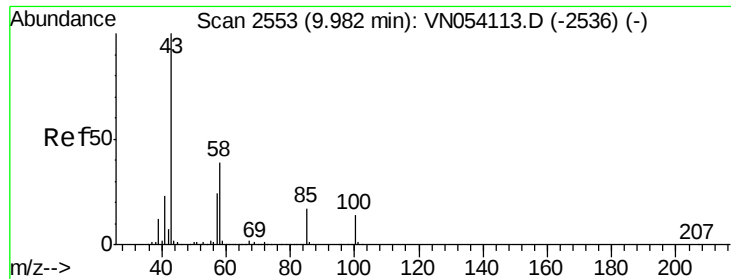
Tgt Ion: 88 Resp: 75162
 Ion Ratio Lower Upper
 88 100
 43 33.5 25.5 38.3
 58 70.6 58.3 87.5



#50
 Toluene-d8
 Concen: 49.615 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Tgt Ion: 98 Resp: 1368396
 Ion Ratio Lower Upper
 98 100
 100 64.9 51.7 77.5

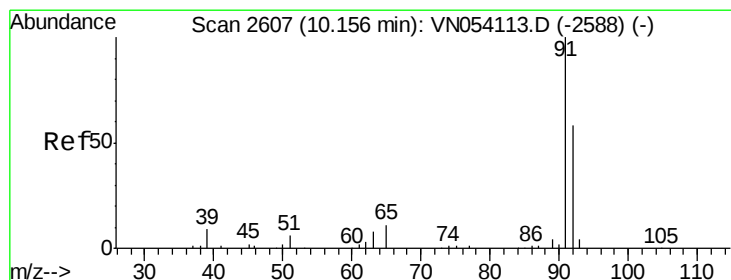
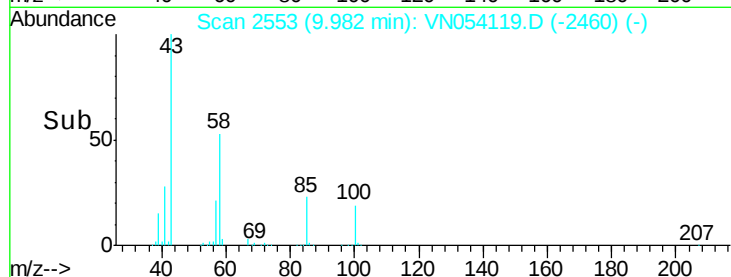
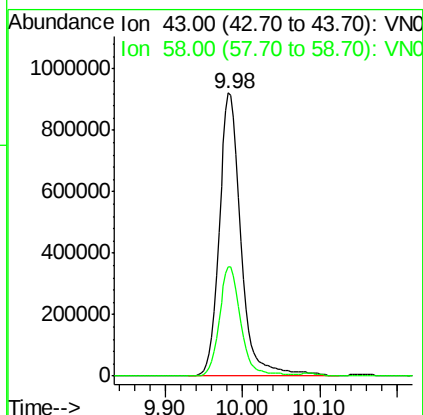
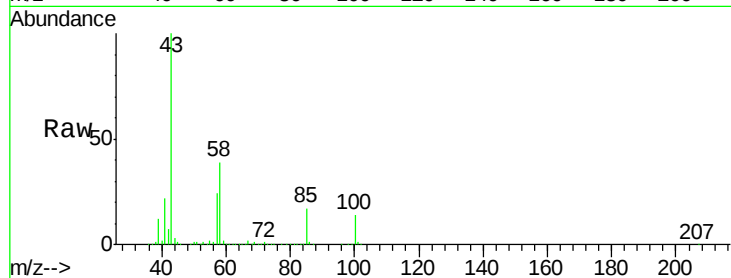




#51
 4-Methyl-2-Pentanone
 Concen: 269.978 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

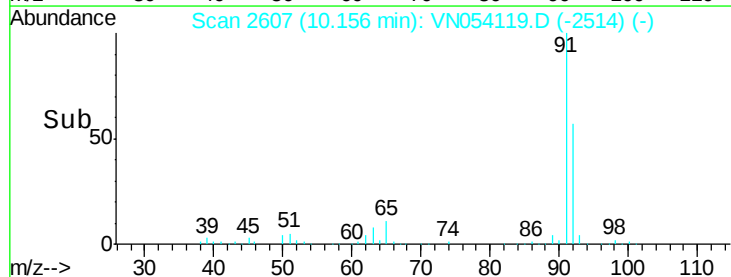
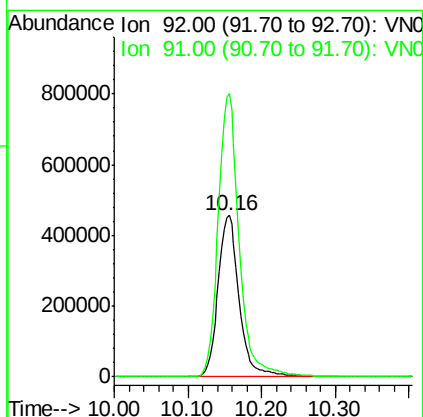
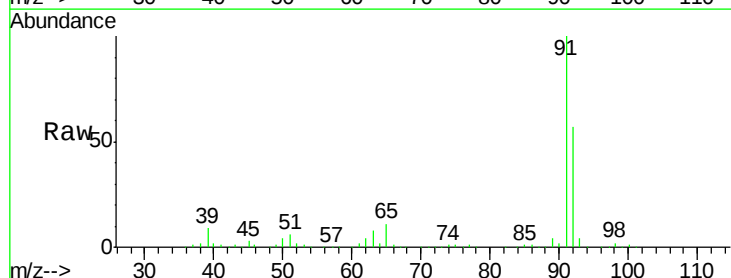
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030619

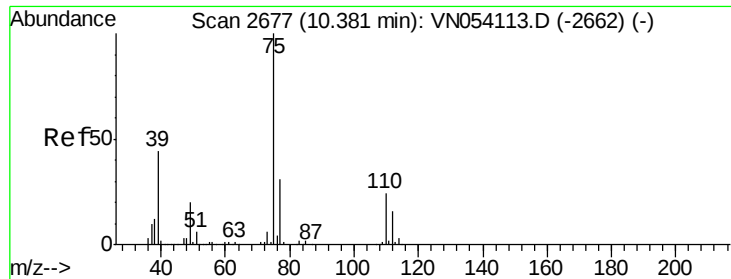
Tgt Ion: 43 Resp: 1809100
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.8 46.2



#52
 Toluene
 Concen: 49.414 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Tgt Ion: 92 Resp: 909103
 Ion Ratio Lower Upper
 92 100
 91 174.1 139.0 208.6





#53

t-1,3-Dichloropropene

Concen: 51.708 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

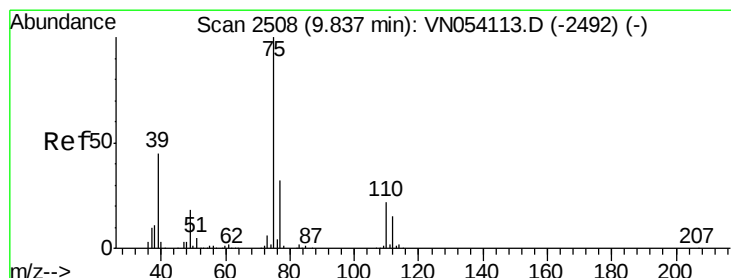
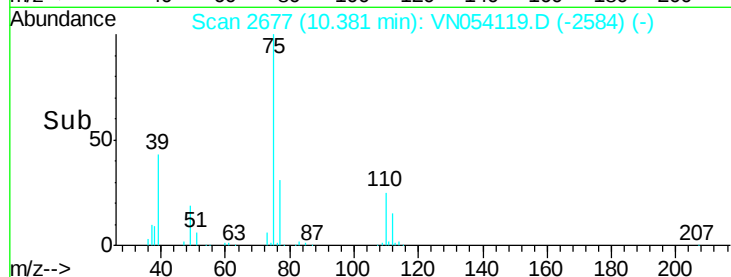
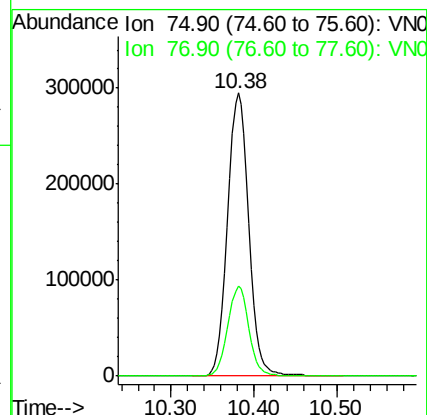
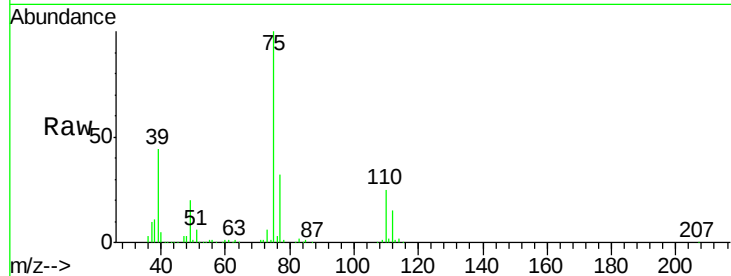
ICVVN030619

Tgt Ion: 75 Resp: 522013

Ion Ratio Lower Upper

75 100

77 31.6 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 50.583 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

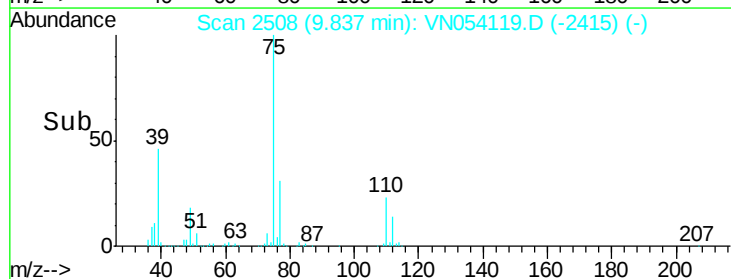
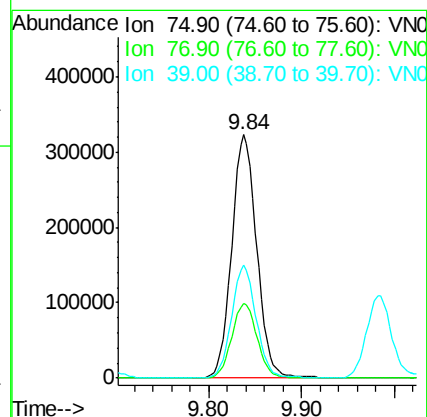
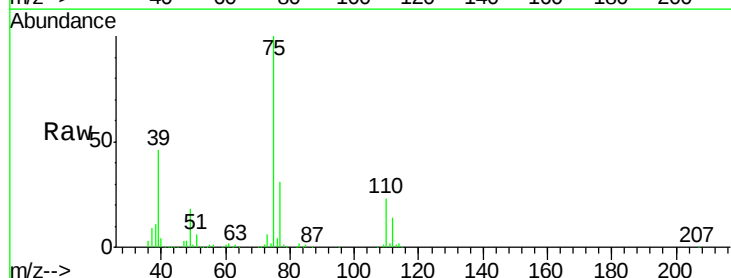
Tgt Ion: 75 Resp: 603539

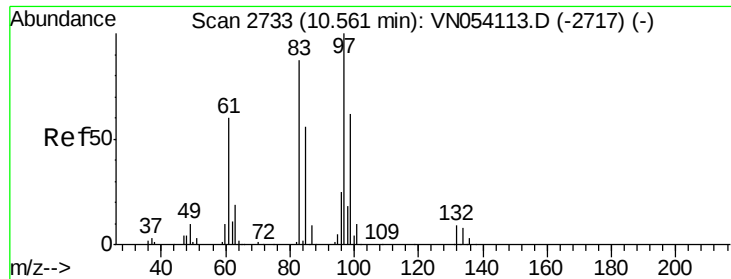
Ion Ratio Lower Upper

75 100

77 30.5 25.4 38.0

39 46.4 36.2 54.2

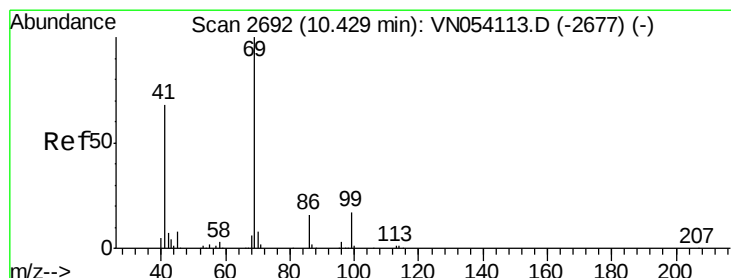
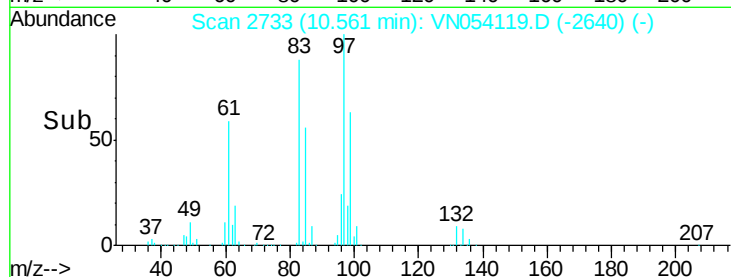
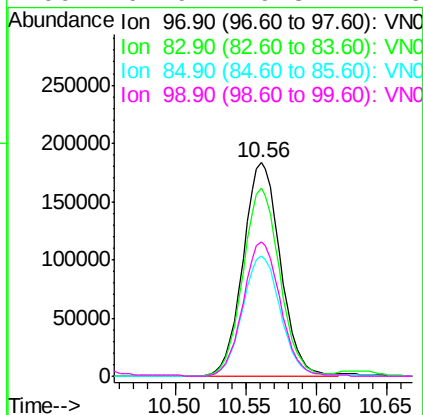
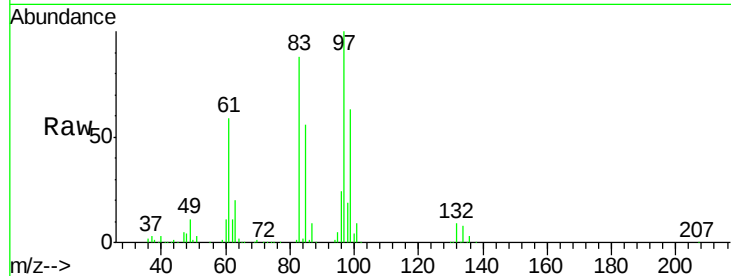




#55
 1,1,2-Trichloroethane
 Concen: 49.134 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

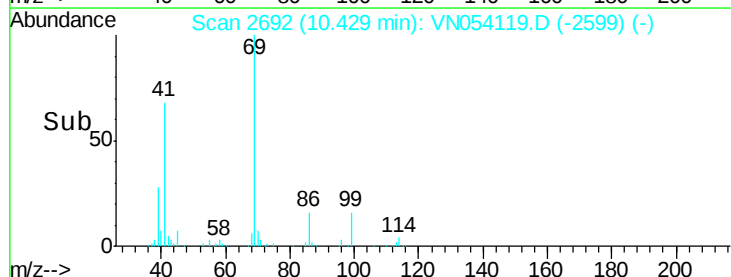
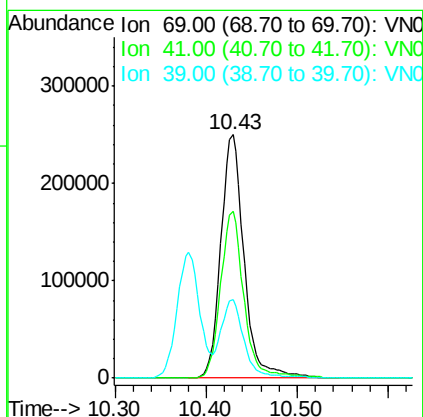
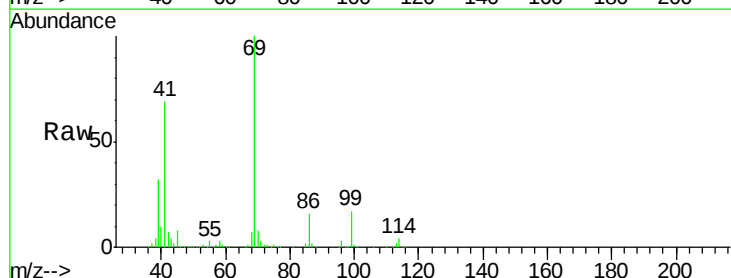
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN030619

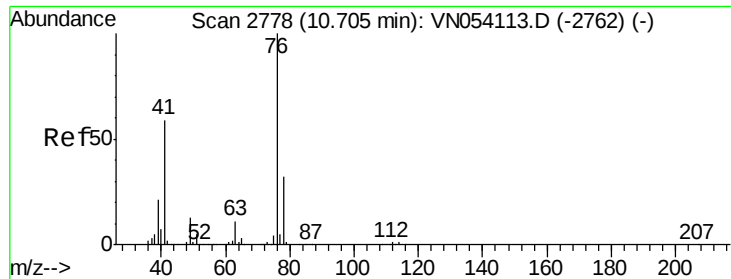
Tgt Ion: 97 Resp: 340395
 Ion Ratio Lower Upper
 97 100
 83 87.8 69.8 104.6
 85 56.2 45.0 67.4
 99 62.9 49.8 74.6



#56
 Ethyl methacrylate
 Concen: 54.766 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Tgt Ion: 69 Resp: 445401
 Ion Ratio Lower Upper
 69 100
 41 67.6 53.4 80.2
 39 30.7 25.6 38.4





#57

1,3-Dichloropropane

Concen: 49.982 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

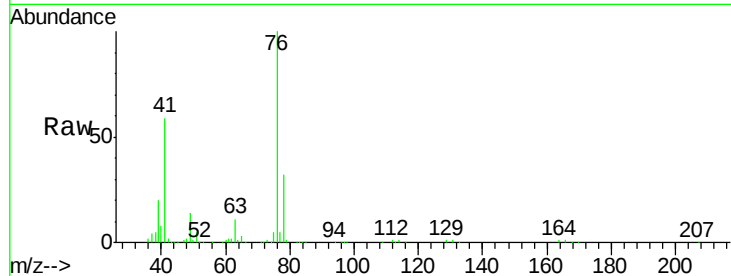
ICVVN030619

Tgt Ion: 76 Resp: 590819

Ion Ratio Lower Upper

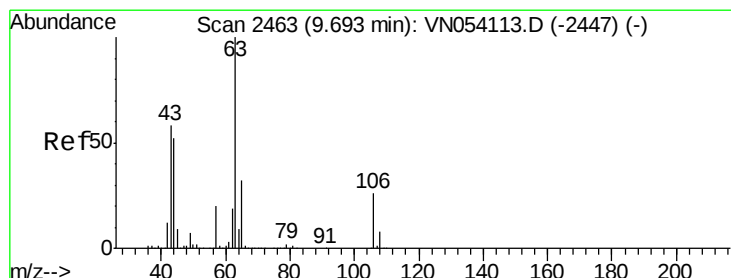
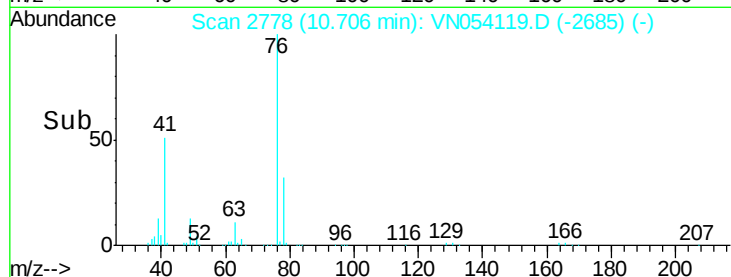
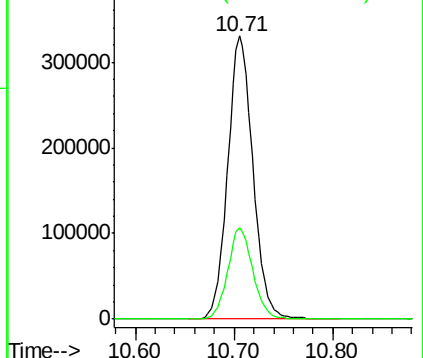
76 100

78 32.2 25.9 38.9



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: 279.222 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN054119.D

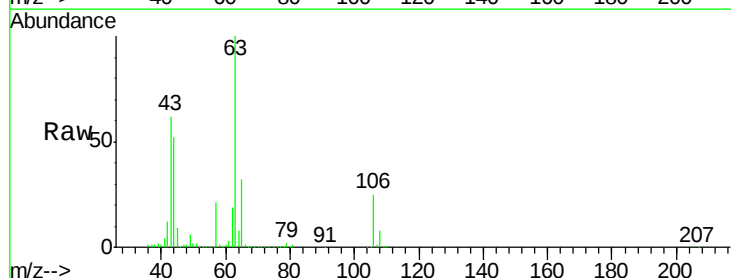
Acq: 6 Mar 2019 16:20

Tgt Ion: 63 Resp: 1039406

Ion Ratio Lower Upper

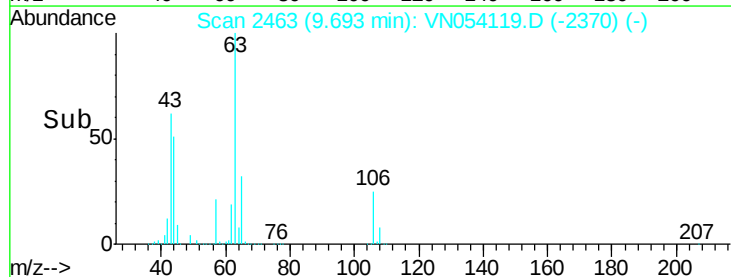
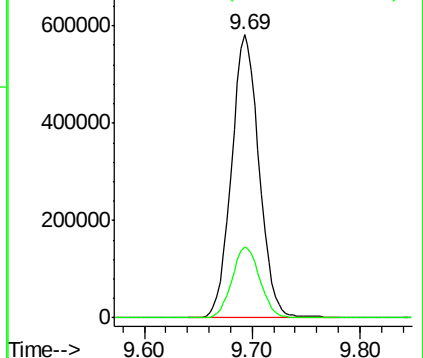
63 100

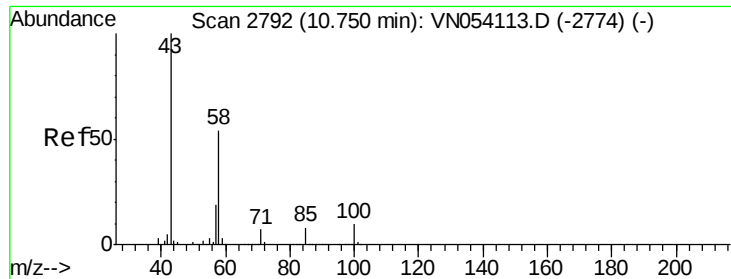
106 25.4 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

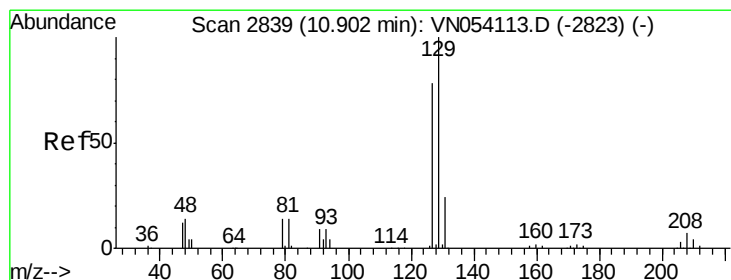
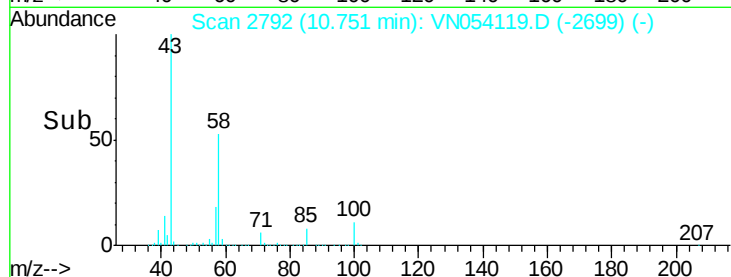
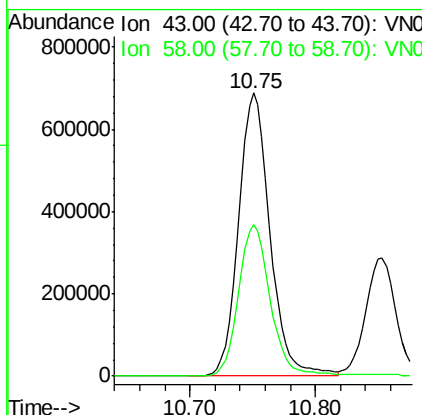
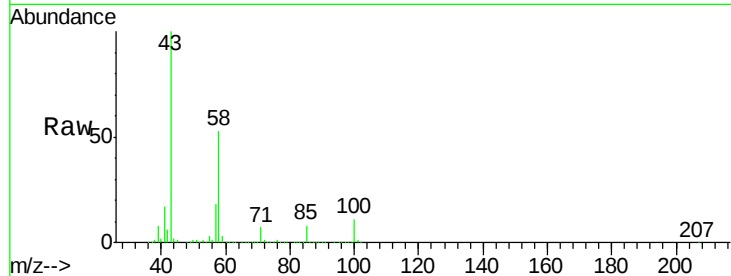




#59
2-Hexanone
Concen: 270.580 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

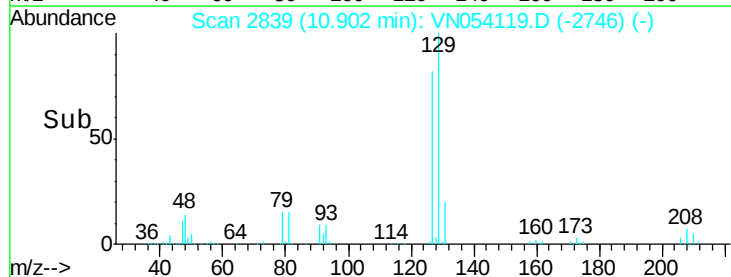
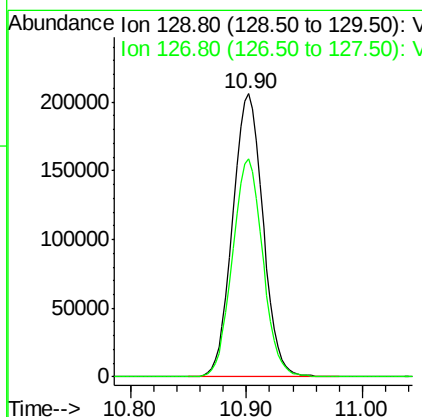
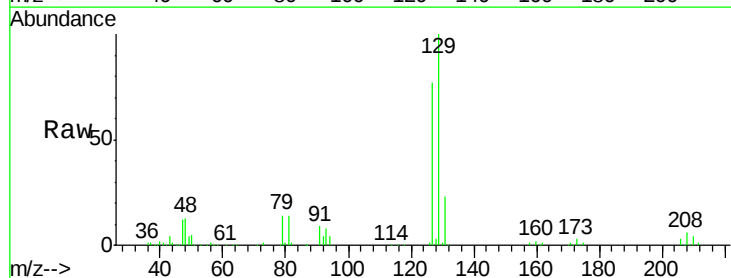
Instrument :
MSVOA_N
ClientSampleId :
ICVVN030619

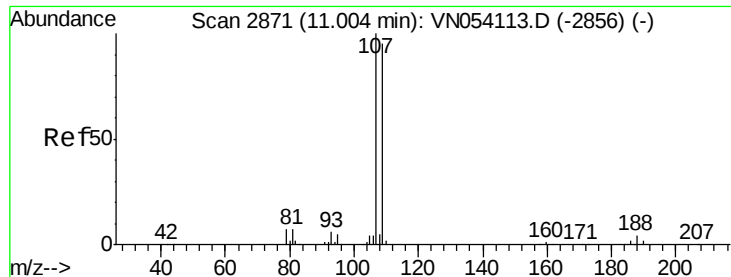
Tgt Ion: 43 Resp: 1196140
Ion Ratio Lower Upper
43 100
58 54.4 27.0 81.0



#60
Dibromochloromethane
Concen: 50.365 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Tgt Ion: 129 Resp: 373089
Ion Ratio Lower Upper
129 100
127 76.9 38.8 116.4





#61

1,2-Dibromoethane

Concen: 49.410 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

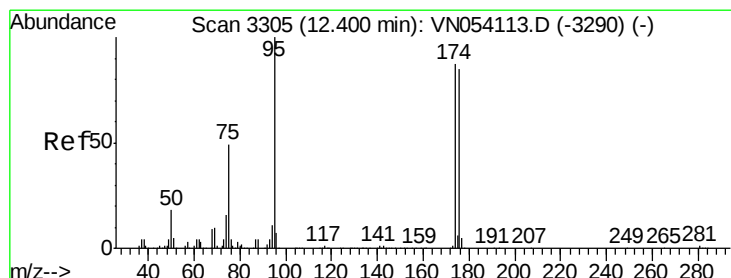
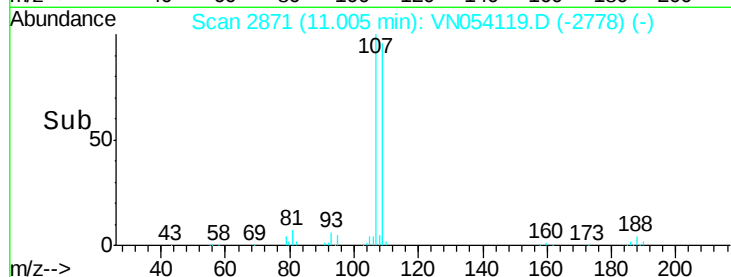
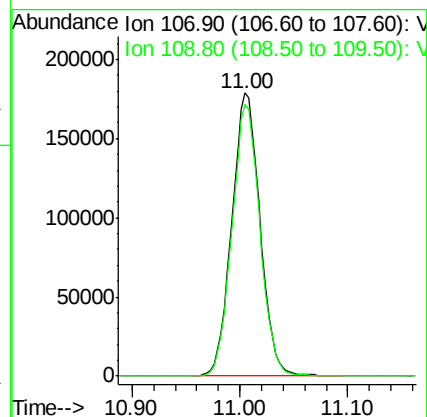
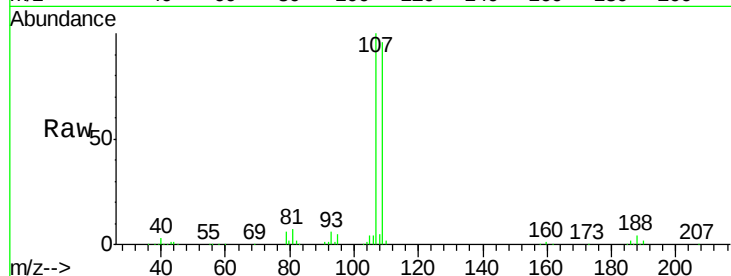
ICVVN030619

Tgt Ion: 107 Resp: 325714

Ion Ratio Lower Upper

107 100

109 95.5 74.9 112.3



#62

4-Bromofluorobenzene

Concen: 50.021 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

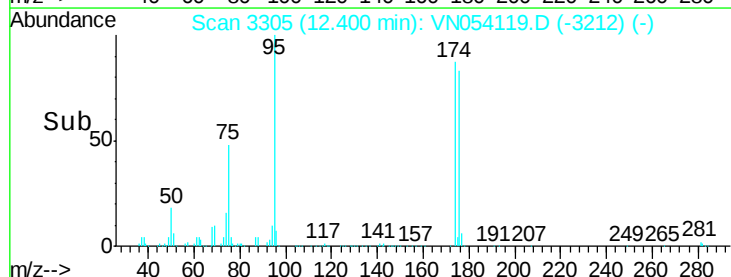
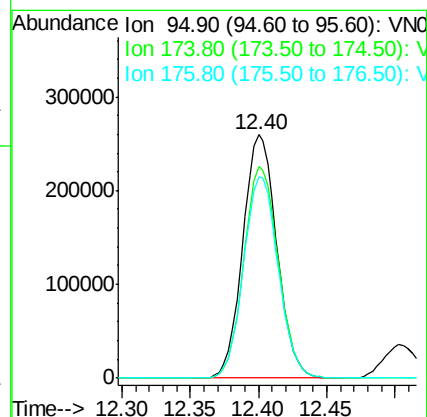
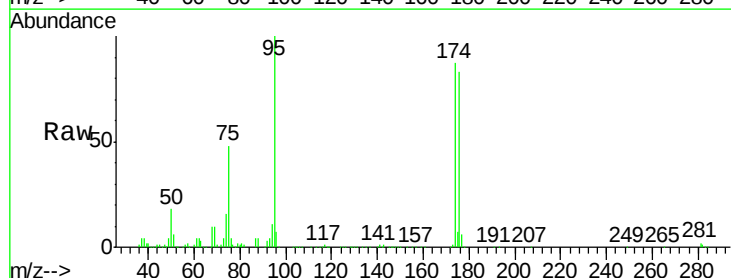
Tgt Ion: 95 Resp: 449159

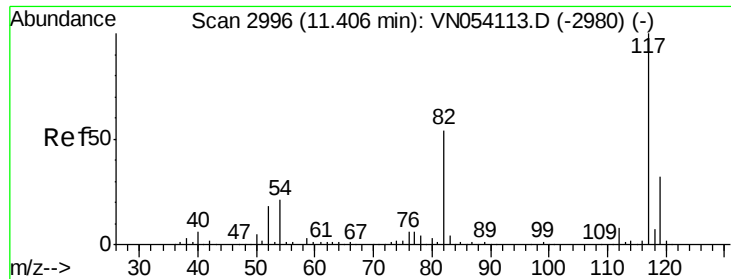
Ion Ratio Lower Upper

95 100

174 88.1 0.0 173.2

176 84.4 0.0 168.8

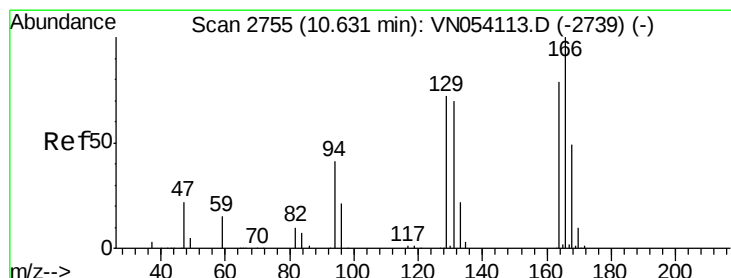
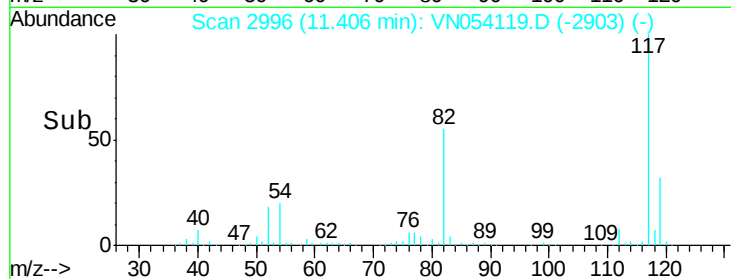
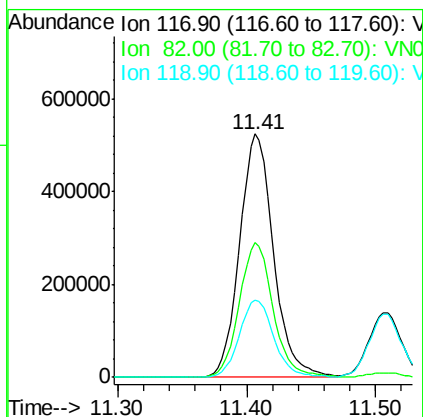
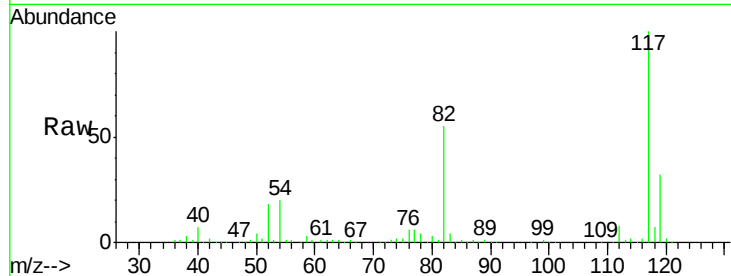




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

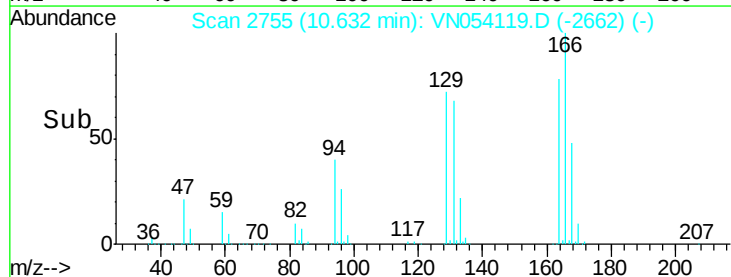
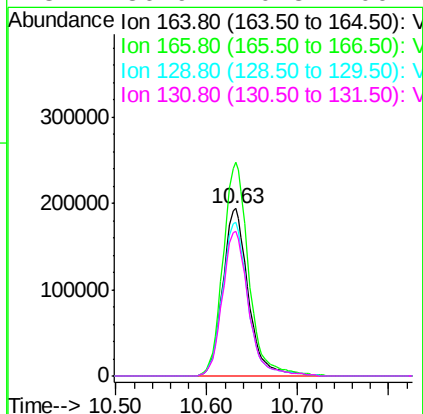
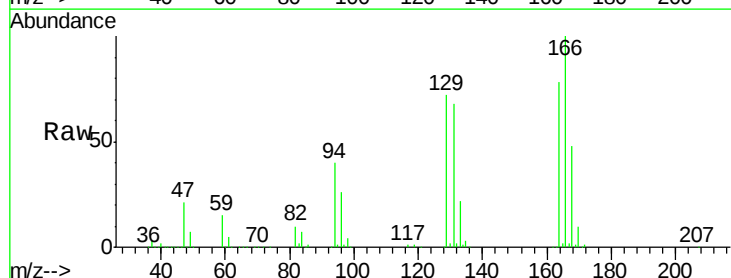
Instrument :
MSVOA_N
ClientSampleId :
ICVVN030619

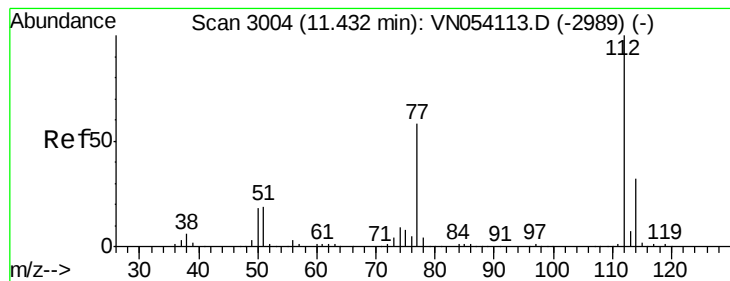
Tgt Ion:117 Resp: 959814
Ion Ratio Lower Upper
117 100
82 55.3 43.4 65.2
119 31.9 26.0 39.0



#64
Tetrachloroethene
Concen: 48.004 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Tgt Ion:164 Resp: 378127
Ion Ratio Lower Upper
164 100
166 127.7 101.3 151.9
129 91.9 73.2 109.8
131 86.9 70.8 106.2





#65

Chlorobenzene

Concen: 48.180 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampled :

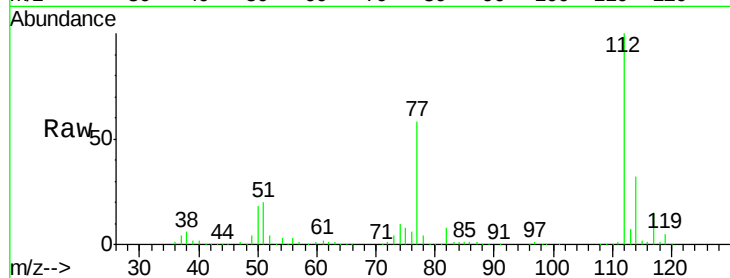
ICVVN030619

Tgt Ion:112 Resp: 962347

Ion Ratio Lower Upper

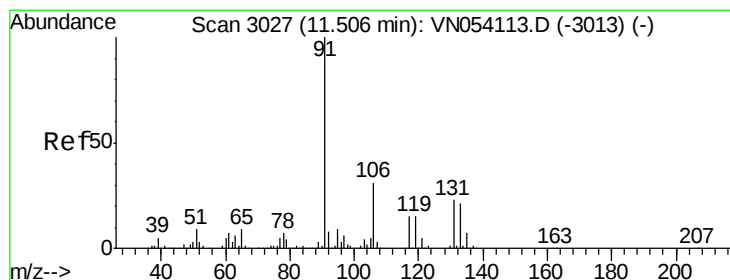
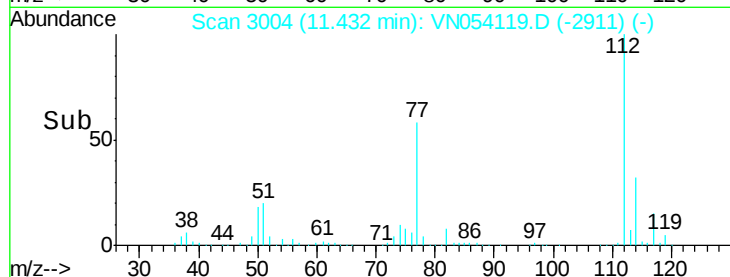
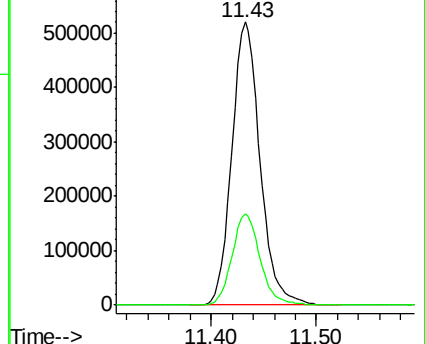
112 100

114 32.2 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.605 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

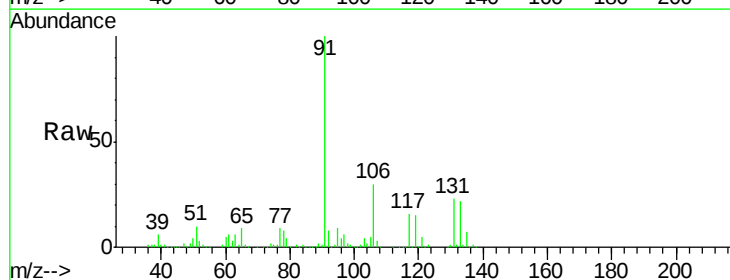
Tgt Ion:131 Resp: 354678

Ion Ratio Lower Upper

131 100

133 95.8 47.6 142.9

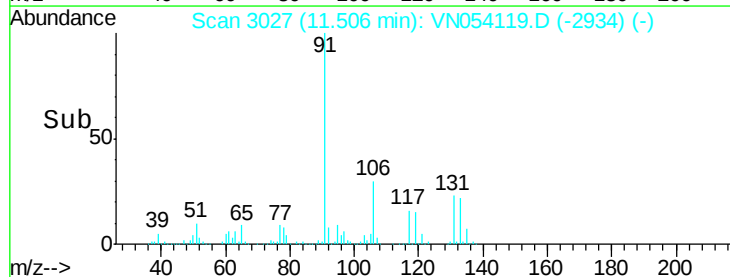
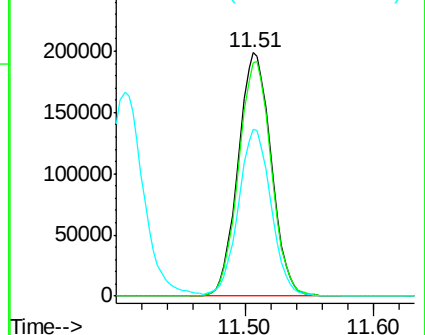
119 67.6 33.8 101.3

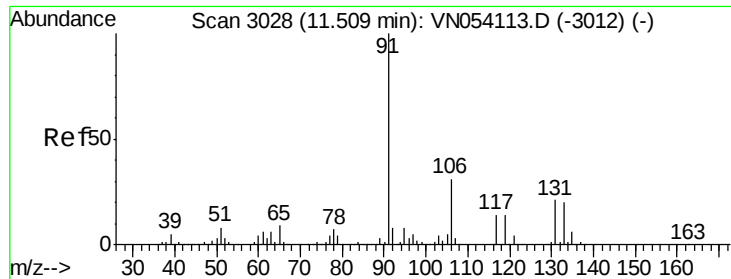


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

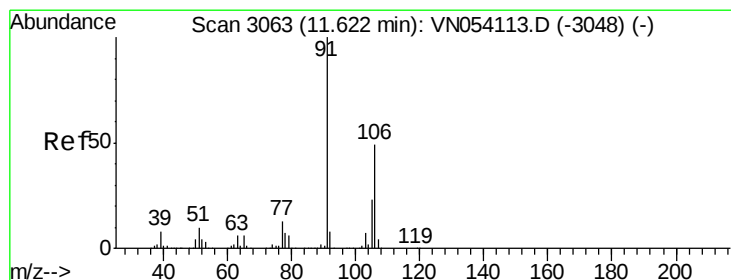
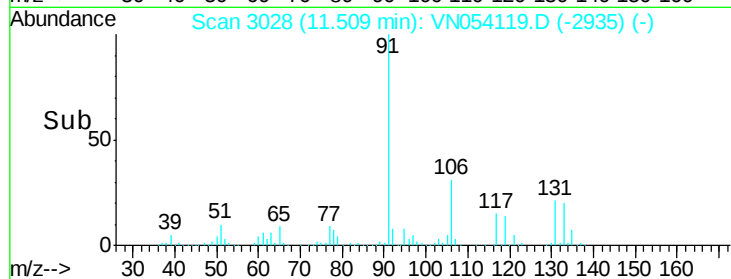
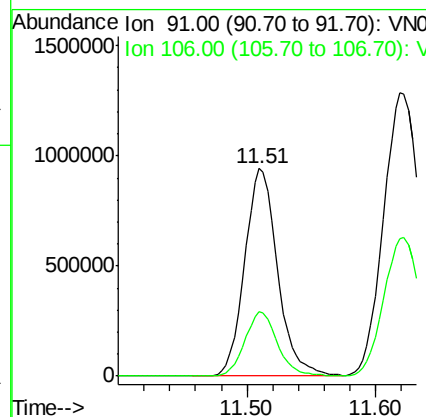
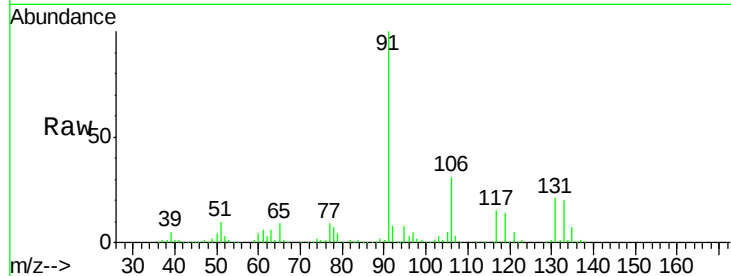




#67
Ethyl Benzene
Concen: 50.115 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

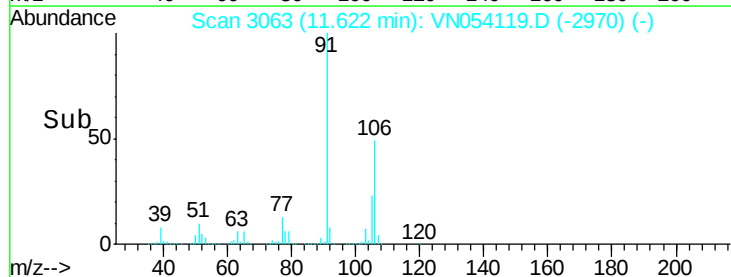
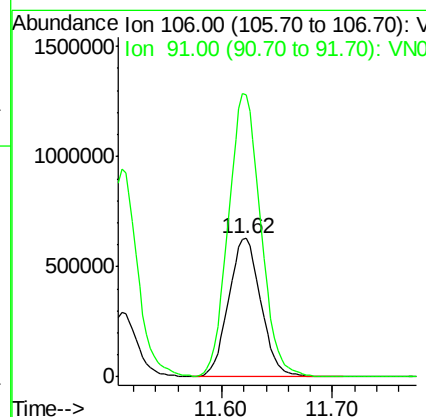
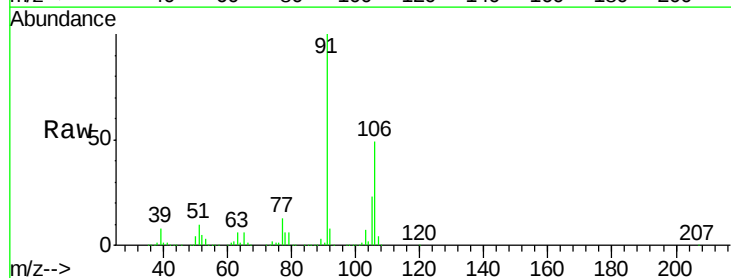
Instrument :
MSVOA_N
ClientSampled :
ICVVN030619

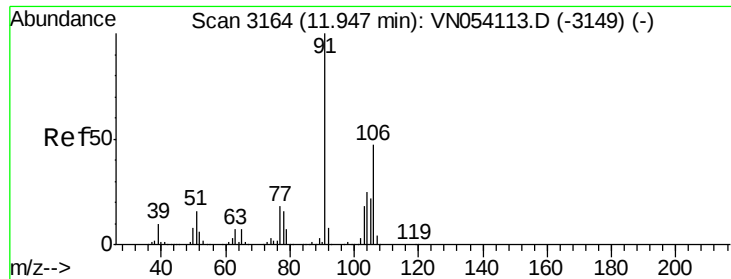
Tgt Ion: 91 Resp: 1675039
Ion Ratio Lower Upper
91 100
106 30.8 24.6 36.8



#68
m/p-Xylenes
Concen: 101.079 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Tgt Ion: 106 Resp: 1274948
Ion Ratio Lower Upper
106 100
91 204.8 163.2 244.8

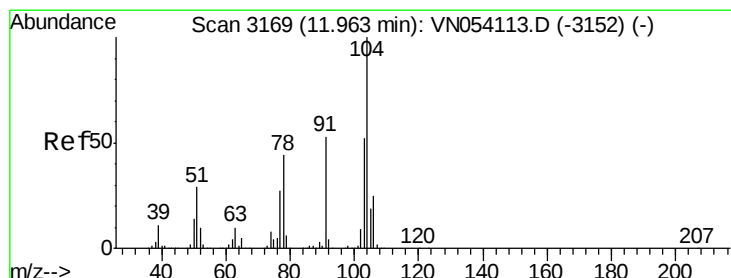
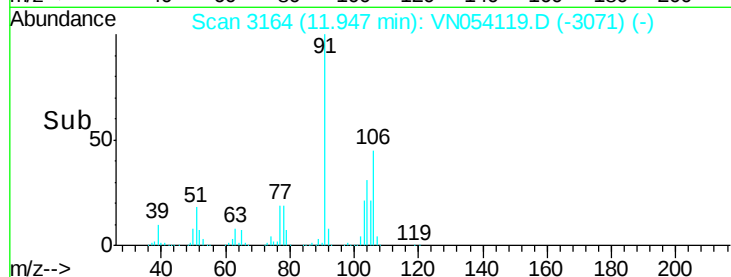
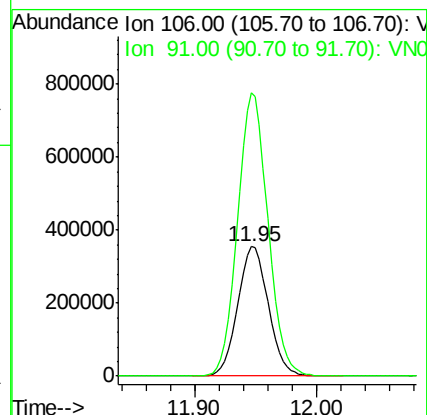
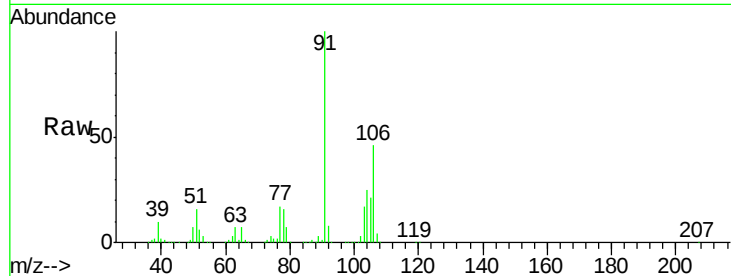




#69
o-Xylene
Concen: 50.952 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

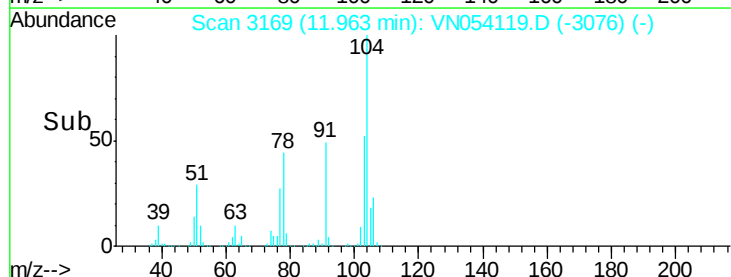
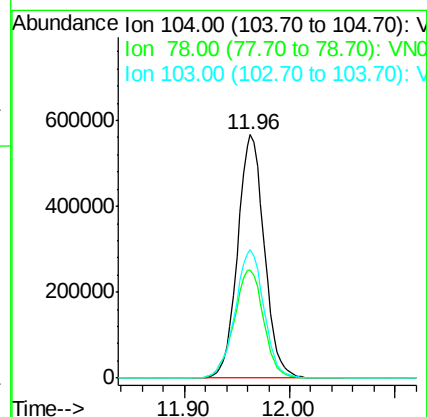
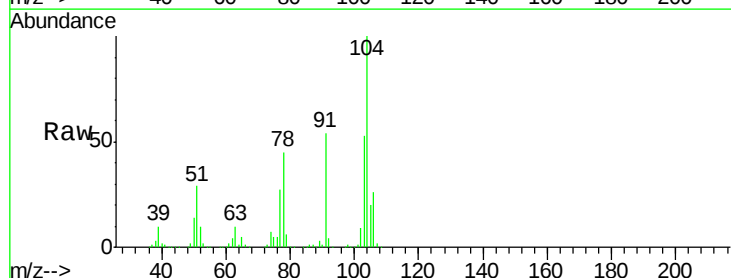
Instrument :
MSVOA_N
ClientSampled :
ICVVN030619

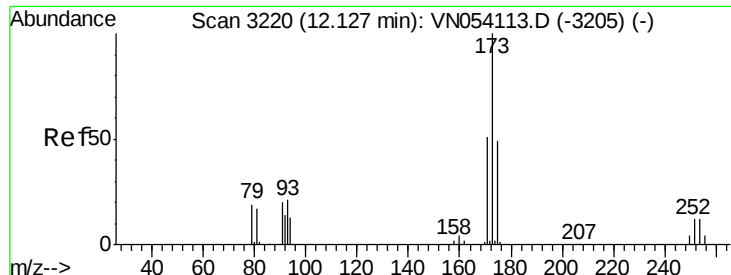
Tgt Ion:106 Resp: 618439
Ion Ratio Lower Upper
106 100
91 216.2 107.1 321.3



#70
Styrene
Concen: 51.321 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Tgt Ion:104 Resp: 988798
Ion Ratio Lower Upper
104 100
78 49.3 39.4 59.0
103 57.0 44.7 67.1

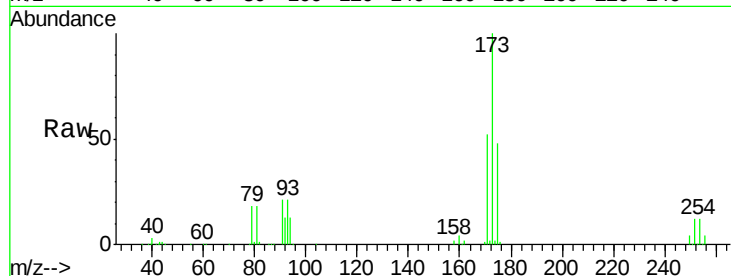




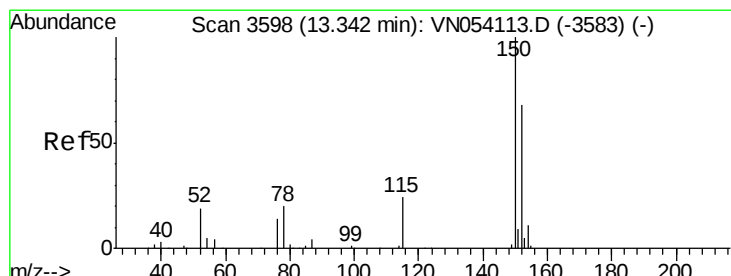
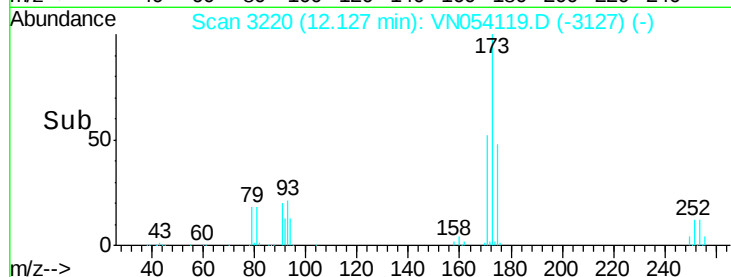
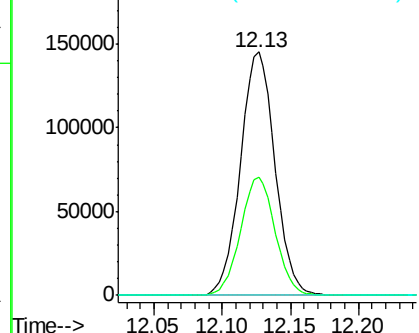
#71
Bromoform
Concen: 51.822 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN030619

Tgt Ion:173 Resp: 255011
Ion Ratio Lower Upper
173 100
175 48.6 24.1 72.2
254 0.1 0.0 0.0#

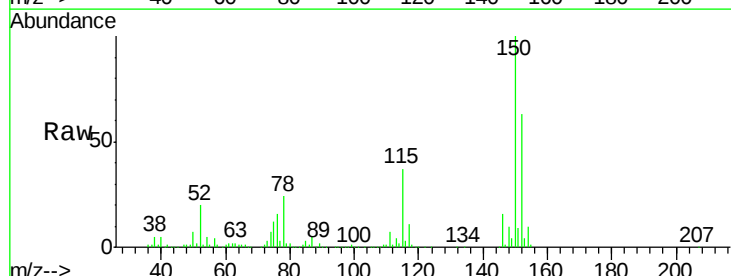


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

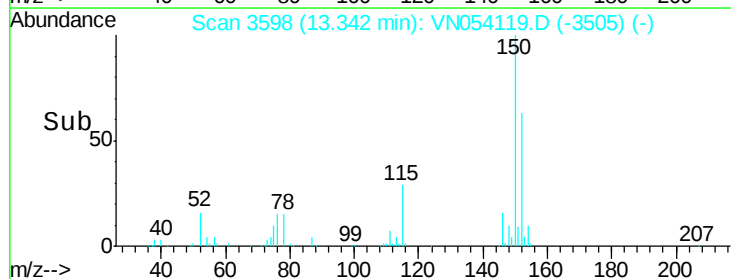
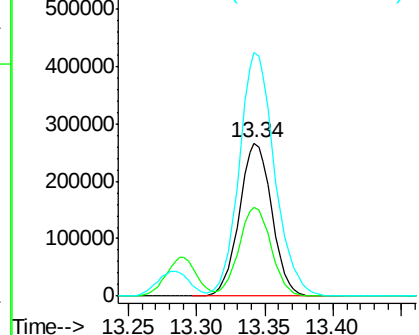


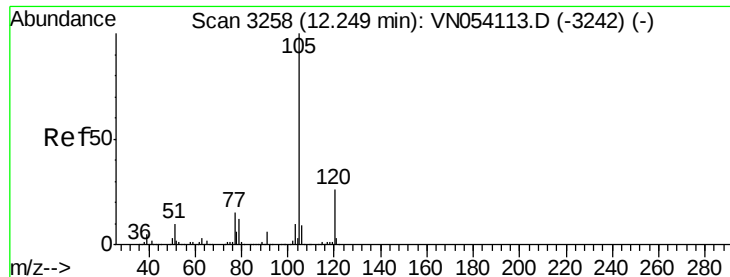
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Tgt Ion:152 Resp: 440687
Ion Ratio Lower Upper
152 100
115 57.5 28.5 85.6
150 172.7 0.0 343.2



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





#73

Isopropylbenzene

Concen: 46.545 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

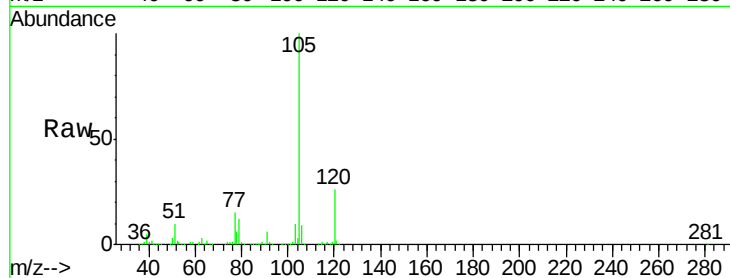
ICVVN030619

Tgt Ion:105 Resp: 1632093

Ion Ratio Lower Upper

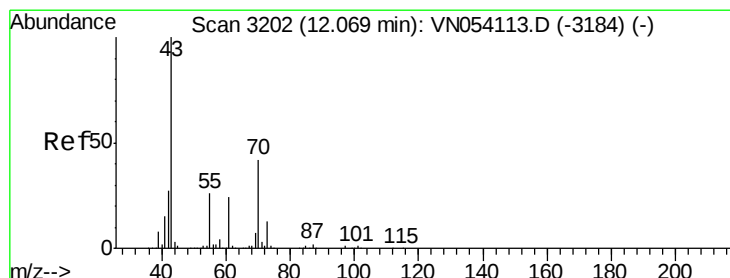
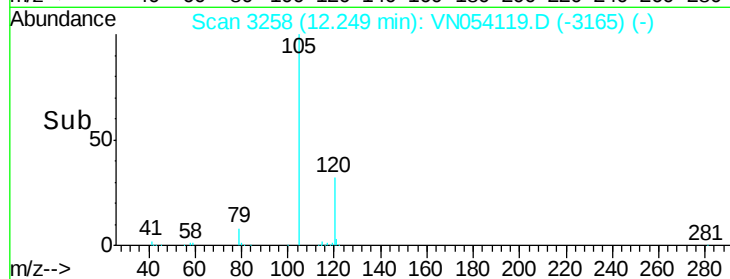
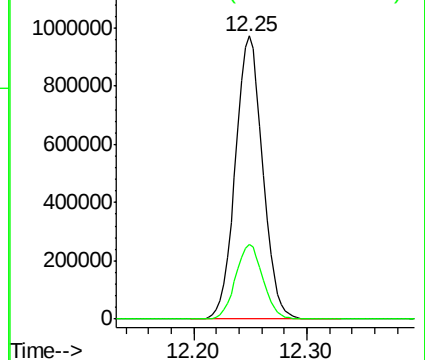
105 100

120 26.4 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.925 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Tgt Ion: 43 Resp: 482213

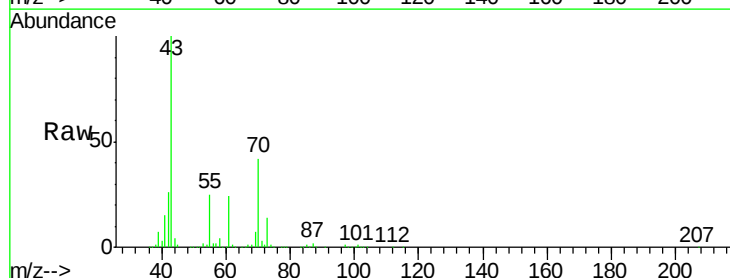
Ion Ratio Lower Upper

43 100

70 41.8 33.6 50.4

55 25.4 20.6 31.0

61 24.2 19.4 29.2

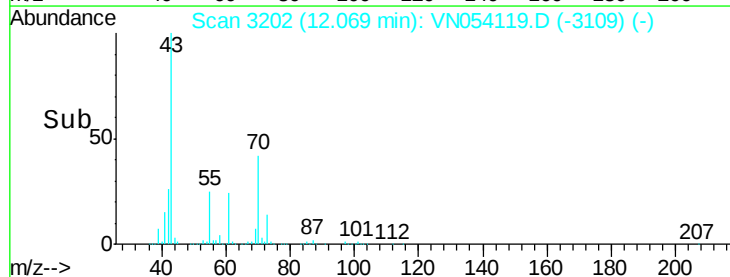
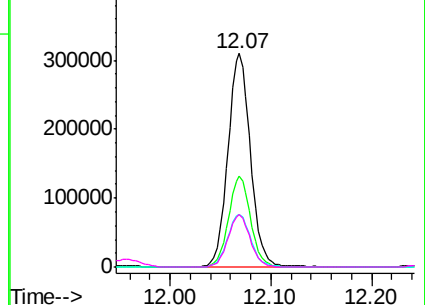


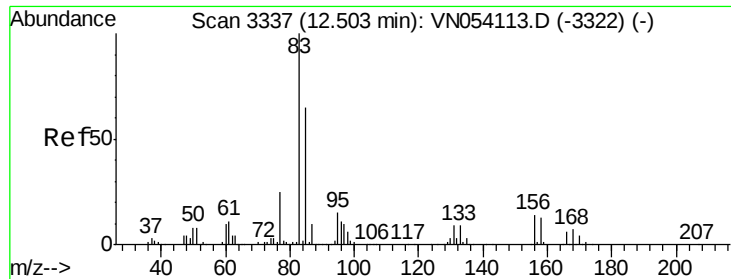
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.444 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN030619

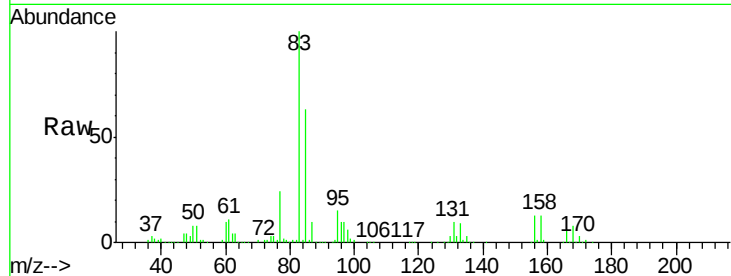
Tgt Ion: 83 Resp: 415542

Ion Ratio Lower Upper

83 100

131 10.0 5.0 14.9

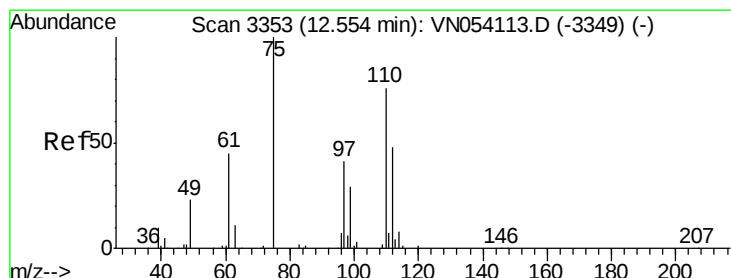
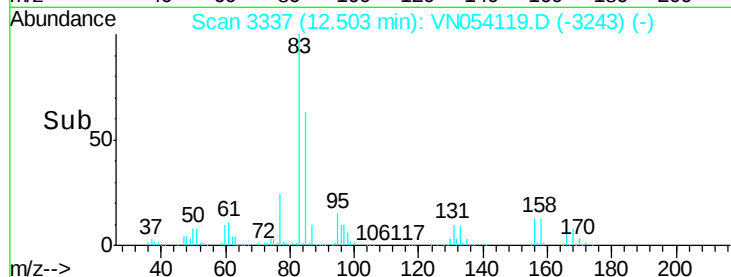
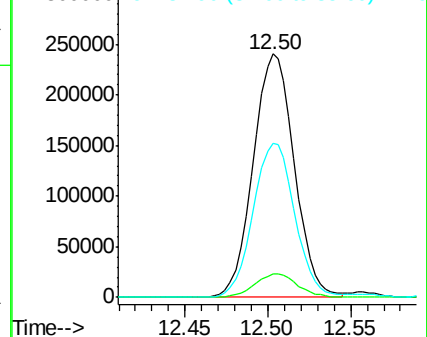
85 64.2 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 68.656 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN054119.D

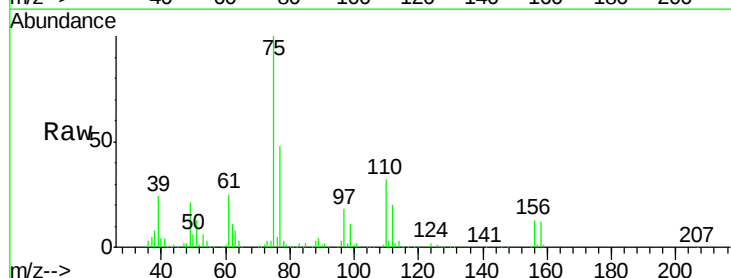
Acq: 6 Mar 2019 16:20

Tgt Ion: 75 Resp: 515626

Ion Ratio Lower Upper

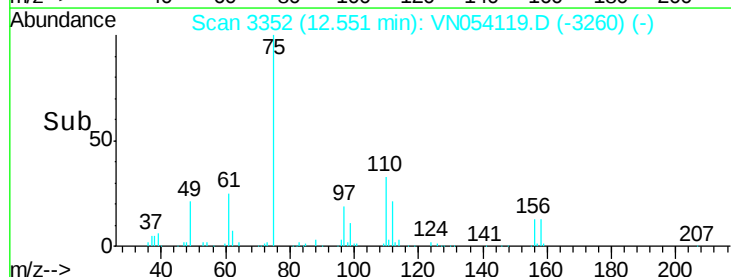
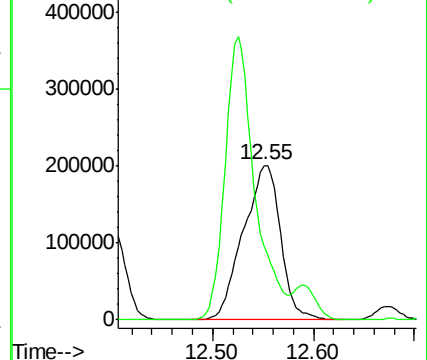
75 100

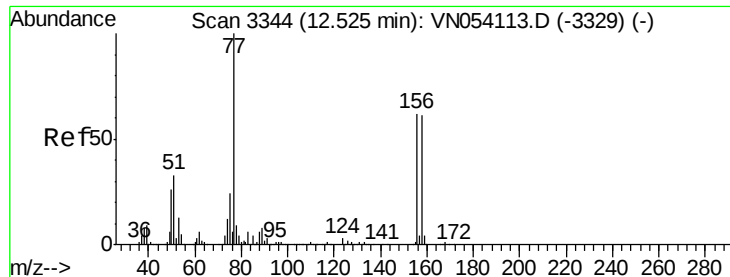
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 48.970 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN030619

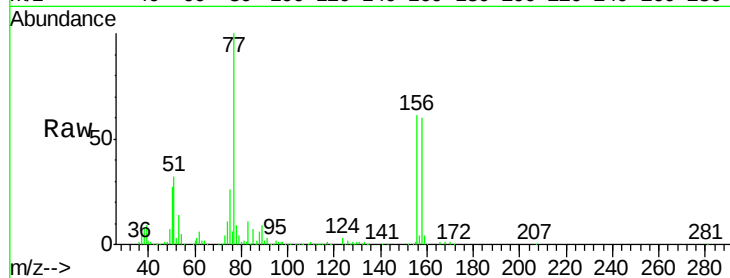
Tgt Ion:156 Resp: 396137

Ion Ratio Lower Upper

156 100

77 192.0 93.6 280.8

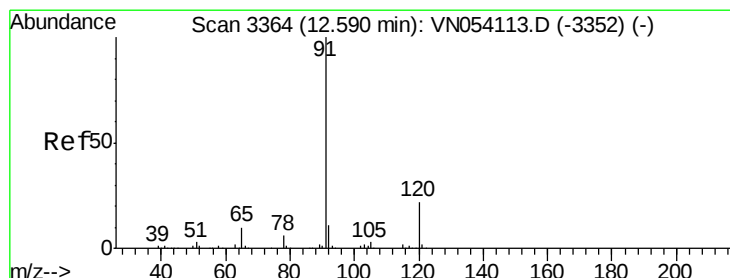
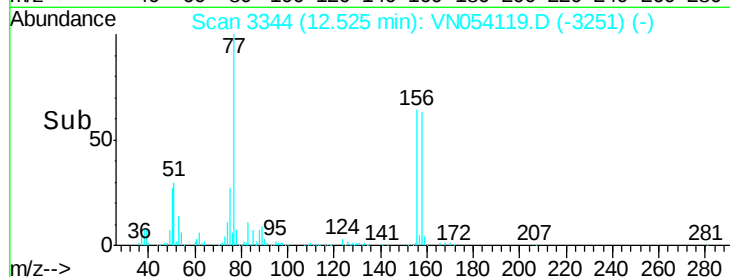
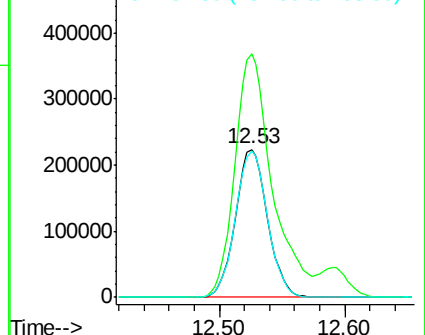
158 99.4 48.4 145.0



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: 49.067 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054119.D

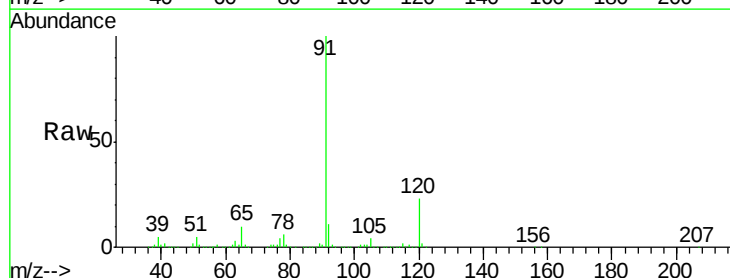
Acq: 6 Mar 2019 16:20

Tgt Ion: 91 Resp: 1936027

Ion Ratio Lower Upper

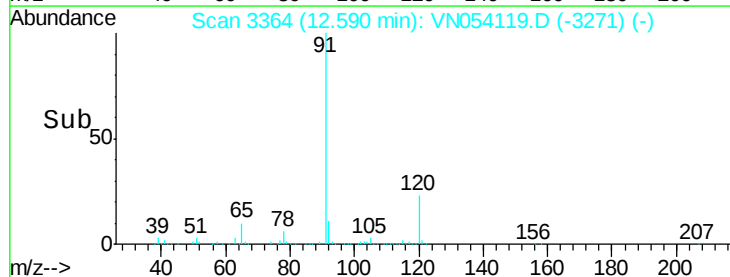
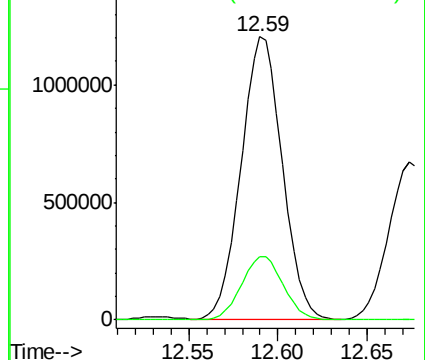
91 100

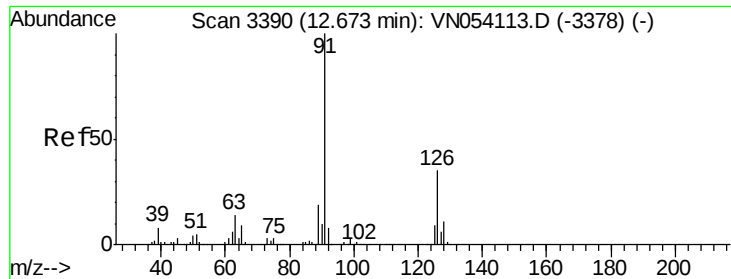
120 22.8 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

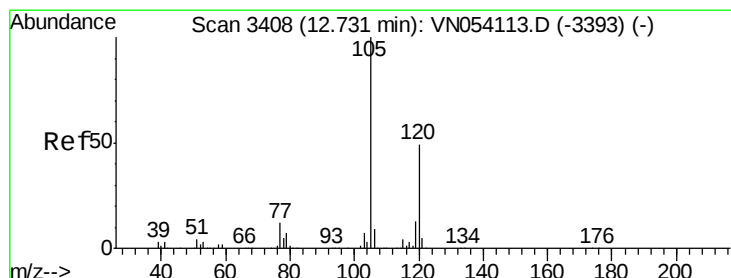
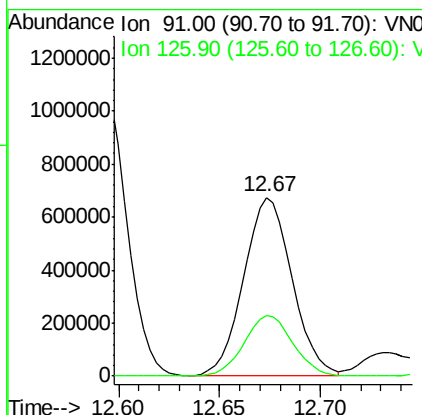
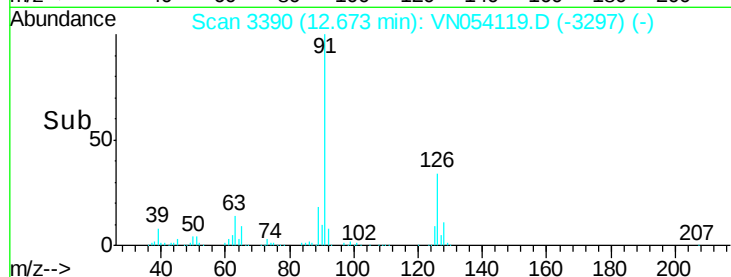
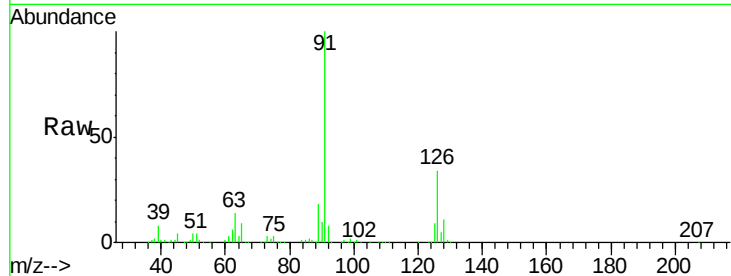




#79
 2-Chlorotoluene
 Concen: 47.095 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

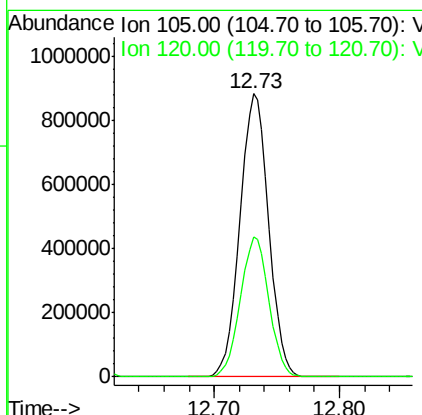
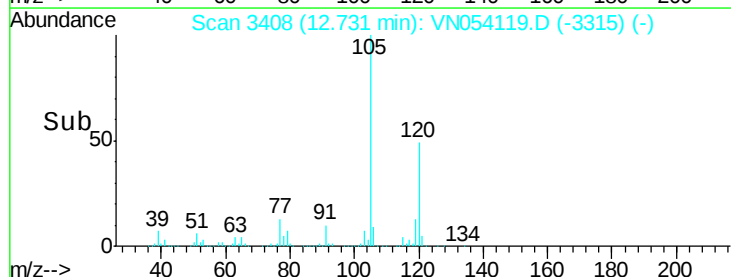
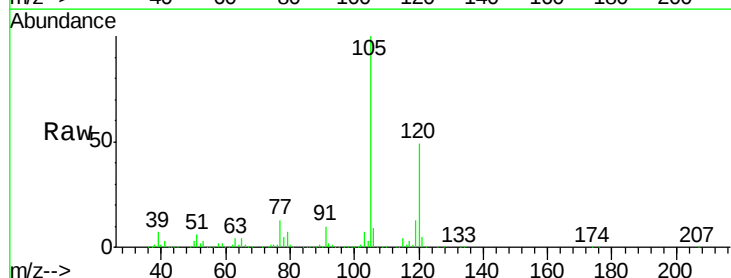
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030619

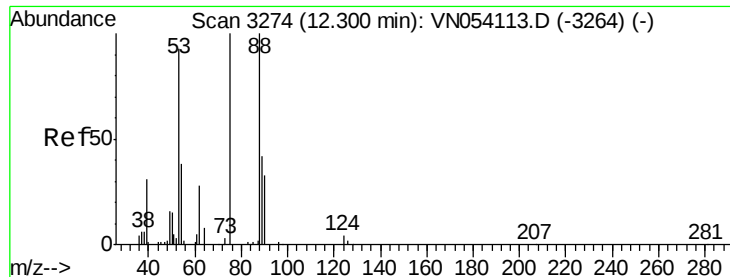
Tgt Ion: 91 Resp: 1128603
 Ion Ratio Lower Upper
 91 100
 126 34.4 17.4 52.2



#80
 1,3,5-Trimethylbenzene
 Concen: 49.145 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Tgt Ion: 105 Resp: 1400832
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 51.769 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN030619

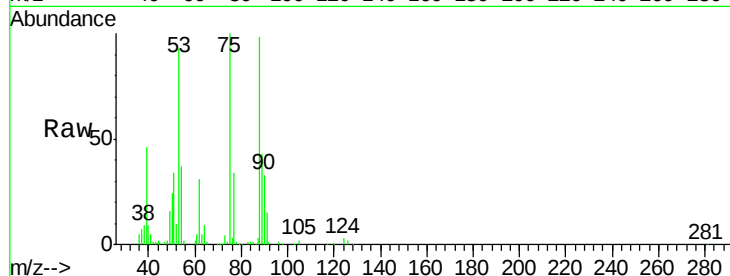
Tgt Ion: 75 Resp: 113216

Ion Ratio Lower Upper

75 100

53 95.1 76.4 114.6

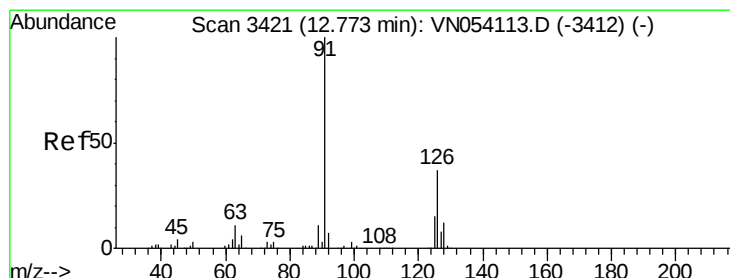
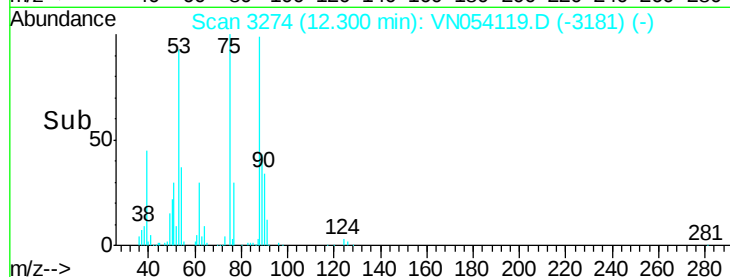
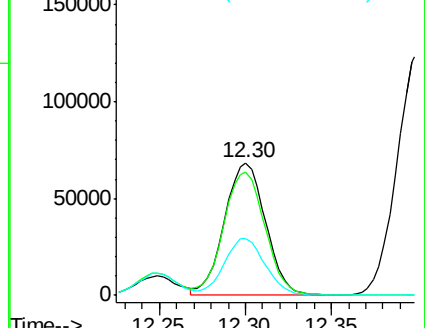
89 43.1 35.3 52.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 47.313 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054119.D

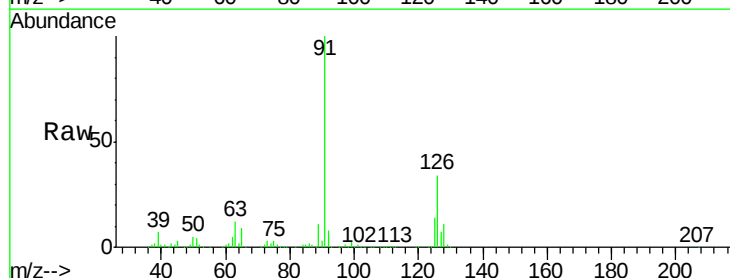
Acq: 6 Mar 2019 16:20

Tgt Ion: 91 Resp: 1130256

Ion Ratio Lower Upper

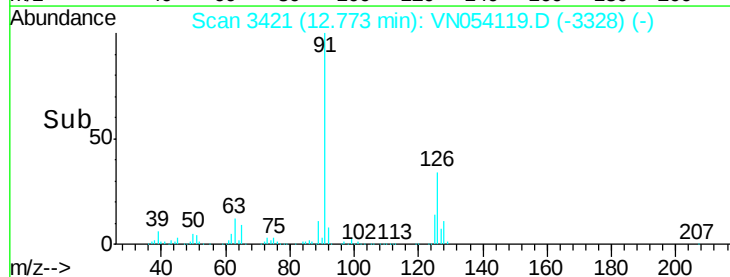
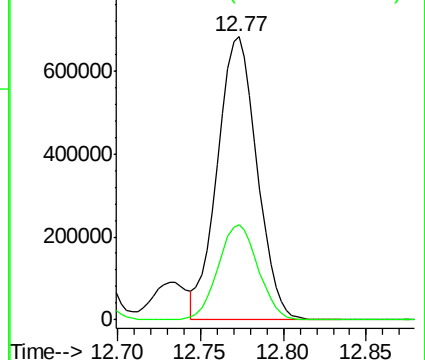
91 100

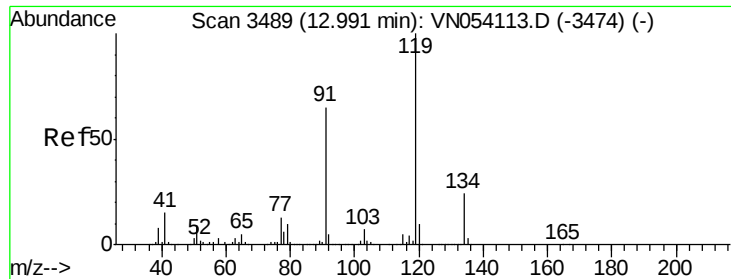
126 34.1 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

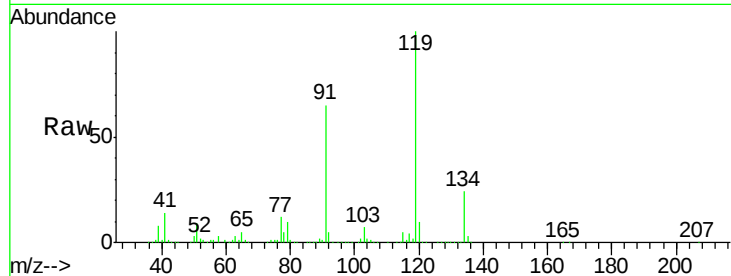




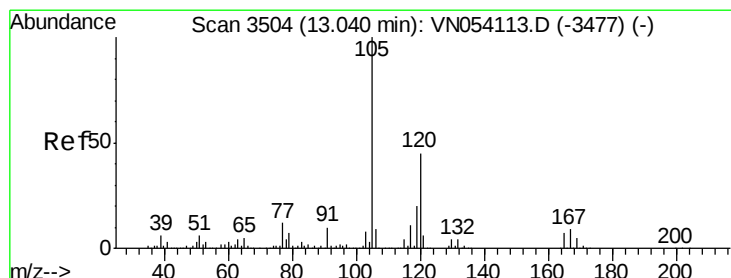
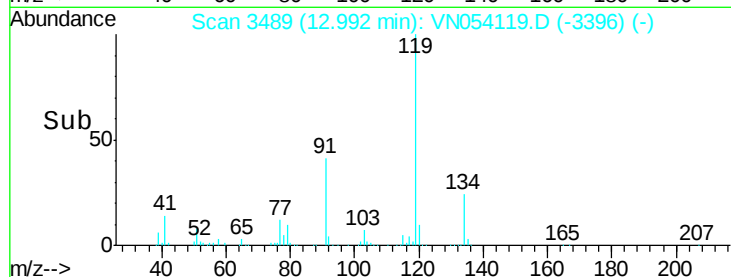
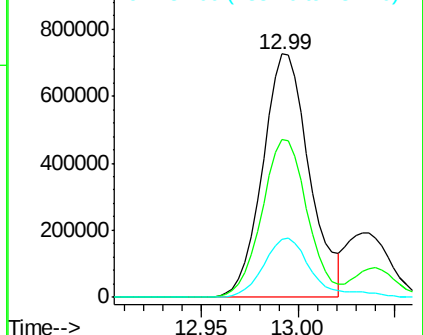
#83
 tert-Butylbenzene
 Concen: 48.322 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030619

Tgt Ion:119 Resp: 1219799
 Ion Ratio Lower Upper
 119 100
 91 63.1 31.8 95.3
 134 25.4 12.8 38.3

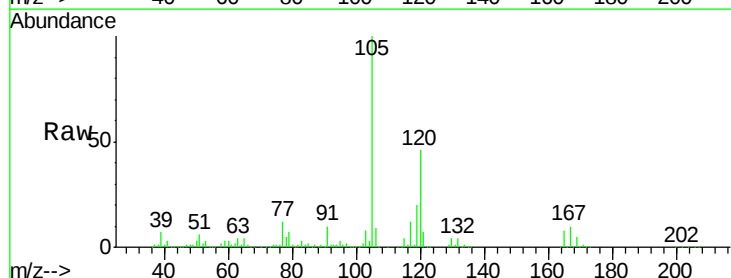


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

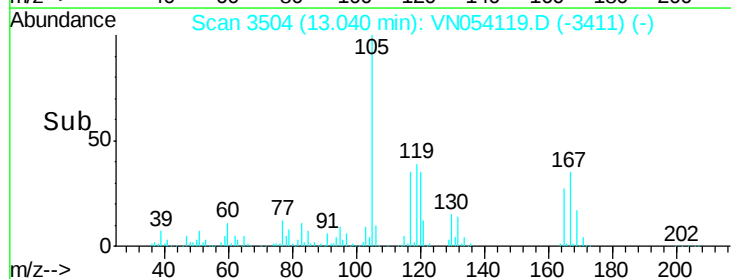
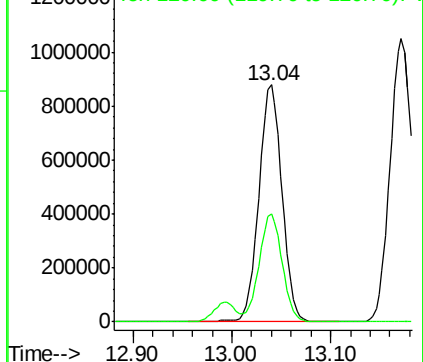


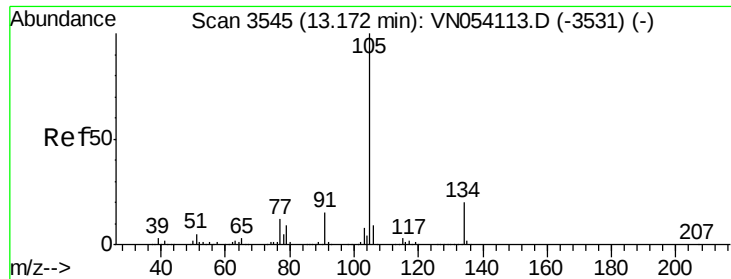
#84
 1,2,4-Trimethylbenzene
 Concen: 50.038 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Tgt Ion:105 Resp: 1415633
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.6 67.7



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

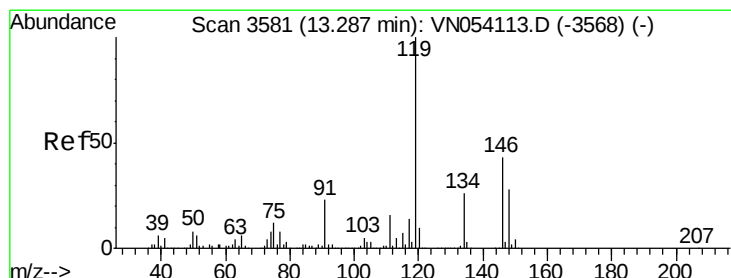
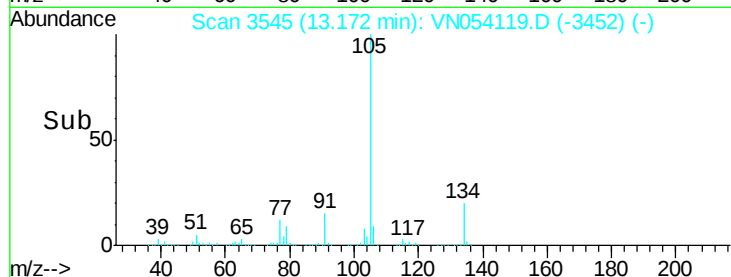
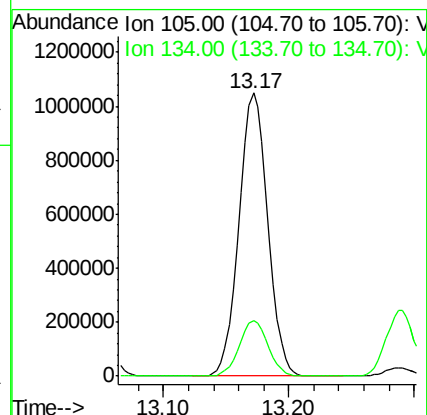
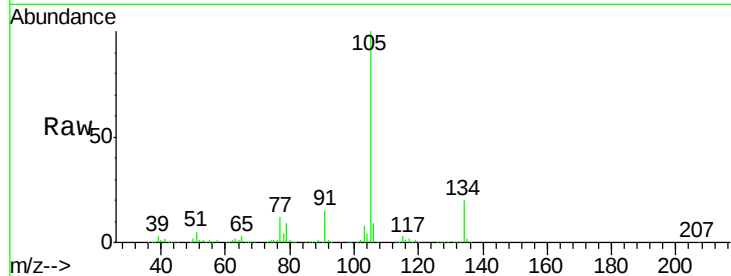




#85
 sec-Butylbenzene
 Concen: 48.614 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

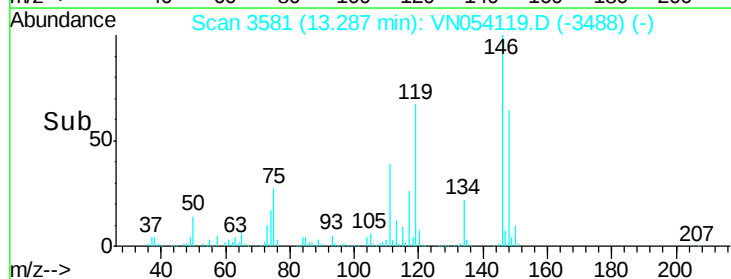
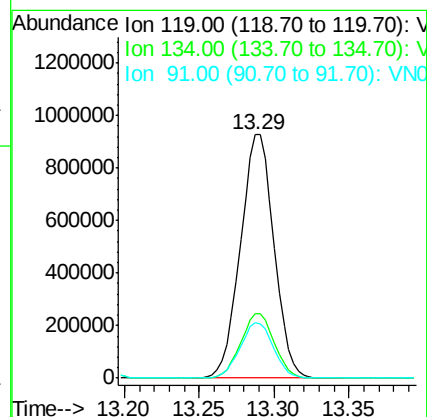
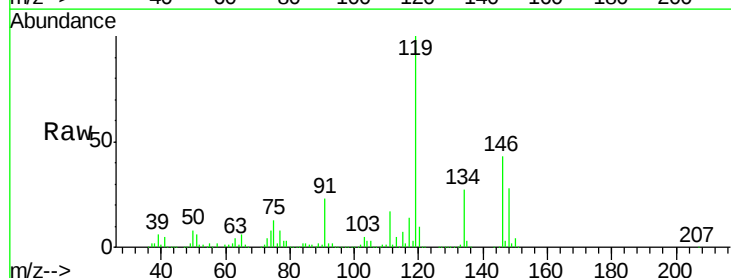
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030619

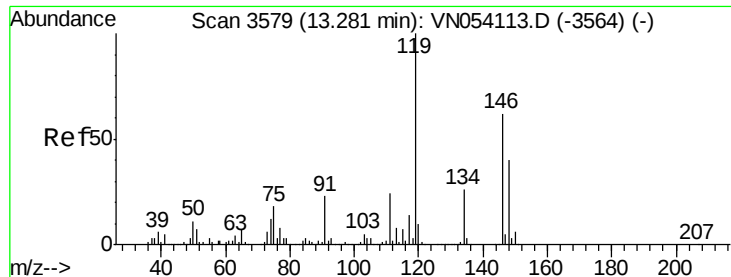
Tgt Ion:105 Resp: 1665346
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 50.112 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Tgt Ion:119 Resp: 1443143
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.2 39.5
 91 22.7 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 46.984 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN030619

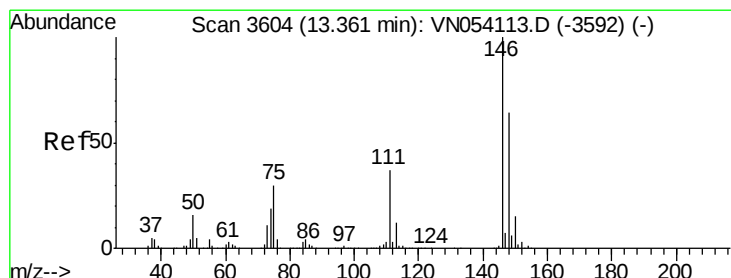
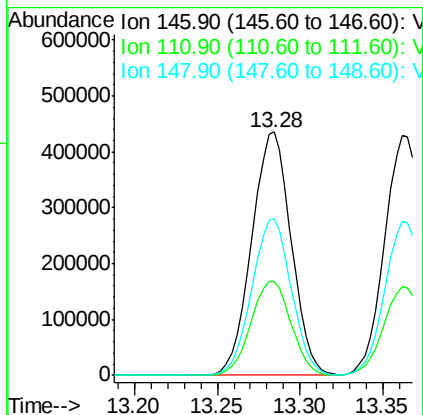
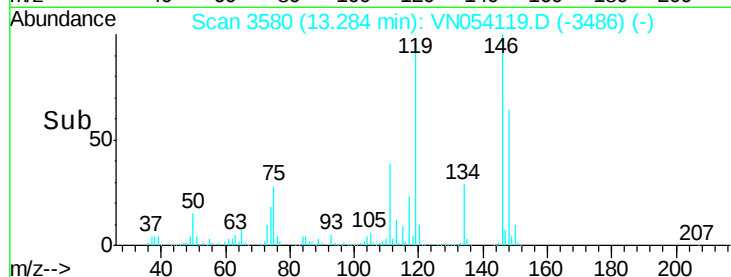
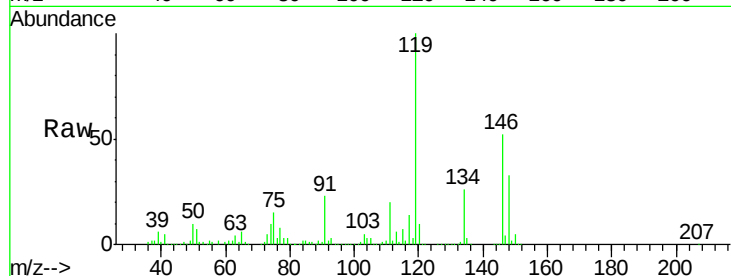
Tgt Ion:146 Resp: 720979

Ion Ratio Lower Upper

146 100

111 39.3 19.3 57.8

148 64.3 32.4 97.0



#88

1,4-Dichlorobenzene

Concen: 46.411 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

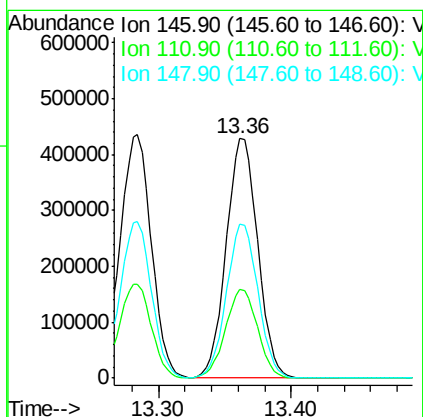
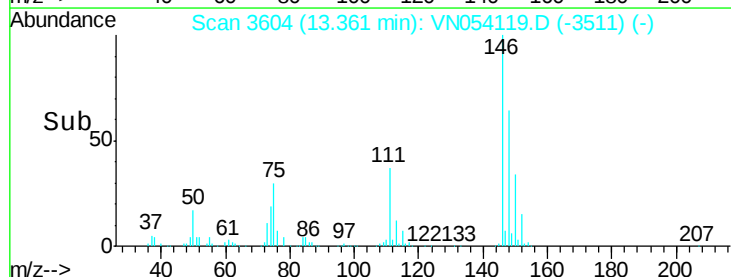
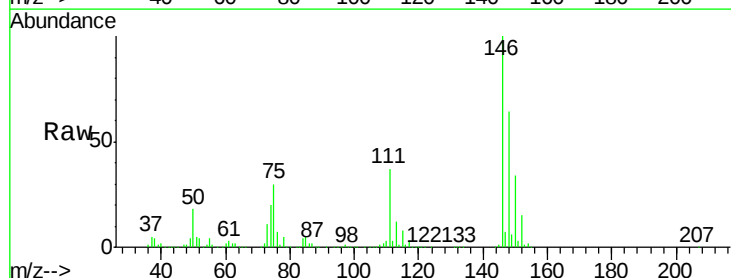
Tgt Ion:146 Resp: 706801

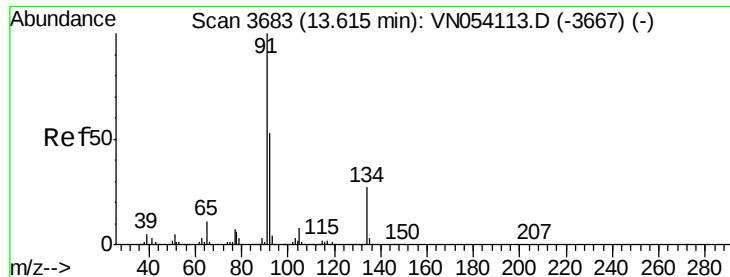
Ion Ratio Lower Upper

146 100

111 37.7 18.9 56.5

148 64.4 32.1 96.5





#89

n-Butylbenzene

Concen: 52.224 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampled :

ICVVN030619

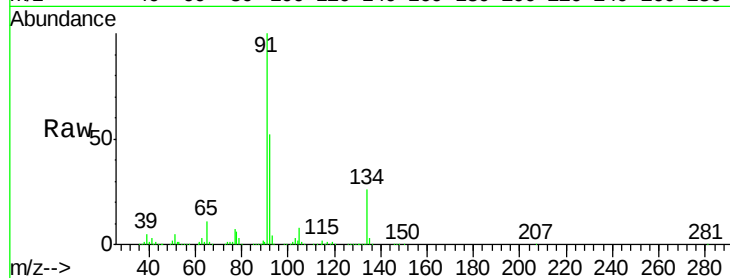
Tgt Ion: 91 Resp: 1269839

Ion Ratio Lower Upper

91 100

92 52.1 26.0 78.0

134 25.9 13.1 39.1

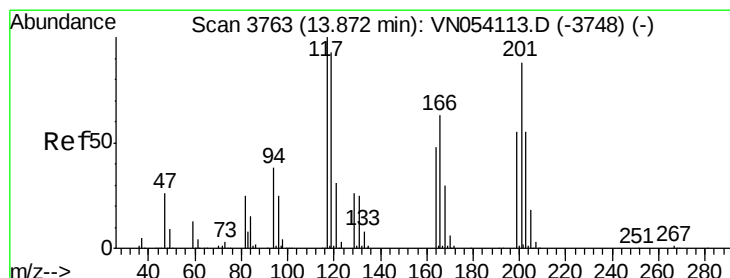
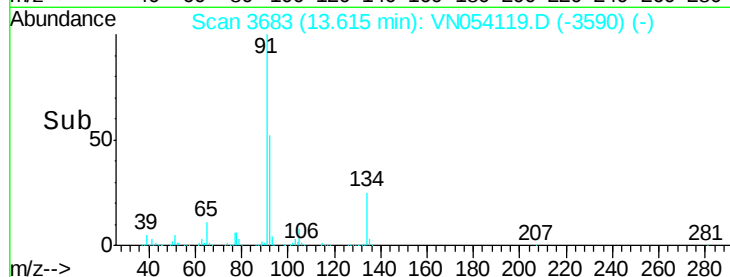


Abundance Ion 91.00 (90.70 to 91.70): VN054113.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN054113.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN054113.D (-3667) (-)

Time-->



#90

Hexachloroethane

Concen: 45.752 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN054119.D

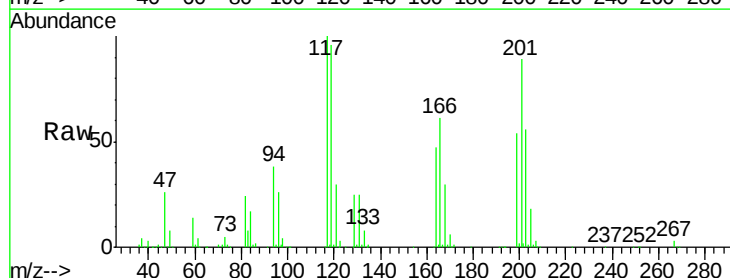
Acq: 6 Mar 2019 16:20

Tgt Ion: 117 Resp: 252715

Ion Ratio Lower Upper

117 100

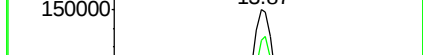
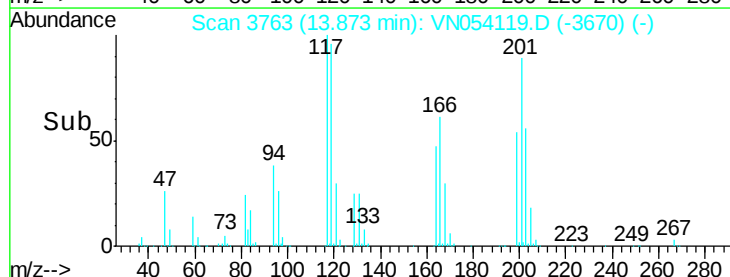
201 88.3 44.9 134.7

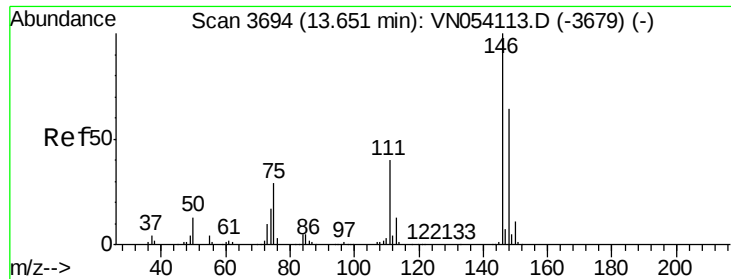


Abundance Ion 116.80 (116.50 to 117.50): VN054113.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN054113.D (-3748) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 50.919 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampled :

ICVVN030619

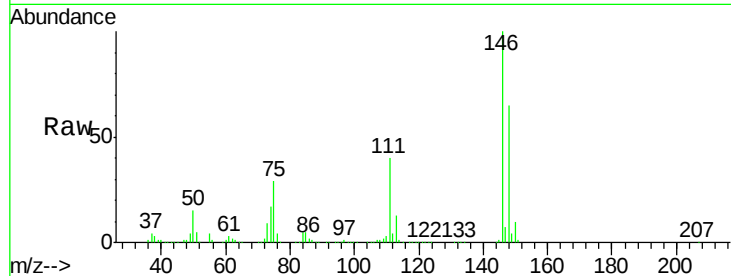
Tgt Ion:146 Resp: 703480

Ion Ratio Lower Upper

146 100

111 40.4 20.0 60.0

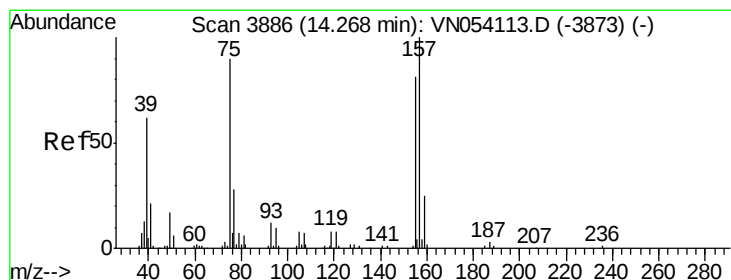
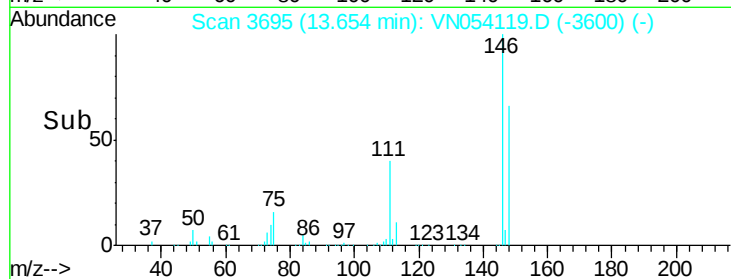
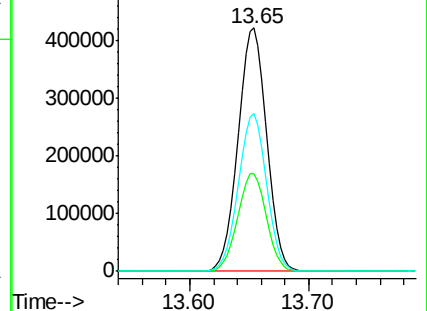
148 64.0 32.3 96.9



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: 50.654 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

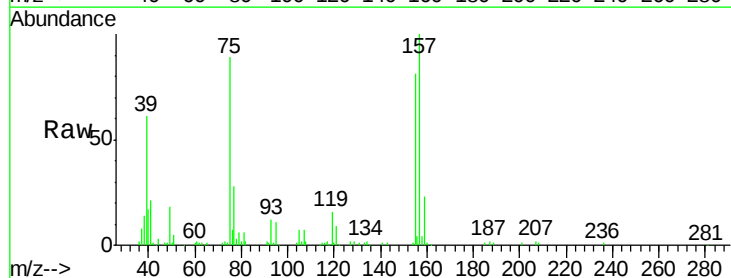
Tgt Ion: 75 Resp: 64806

Ion Ratio Lower Upper

75 100

155 90.7 44.5 133.5

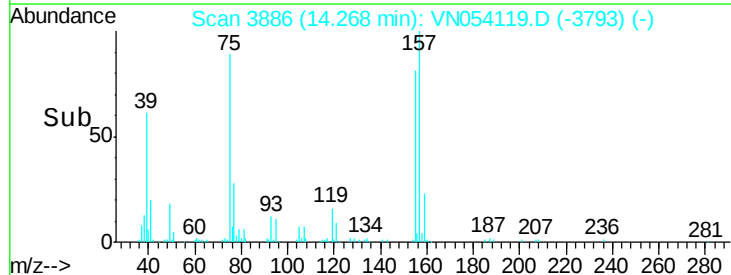
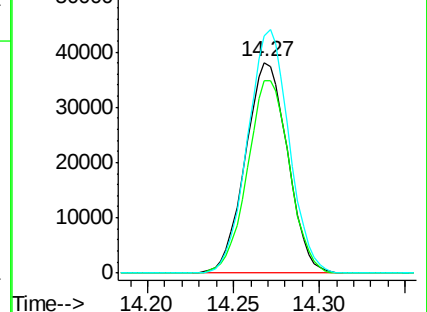
157 113.0 57.2 171.6

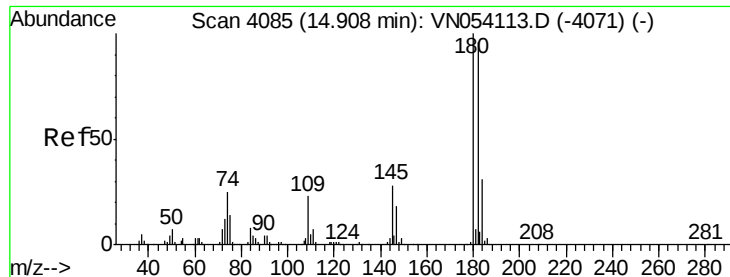


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

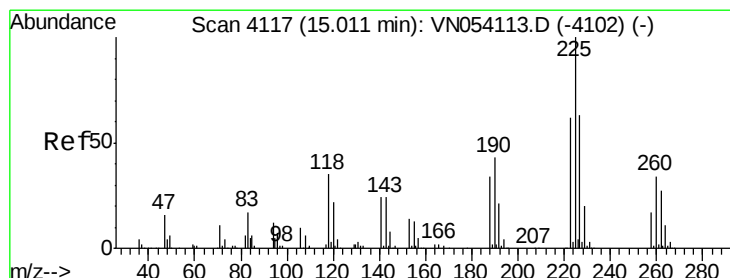
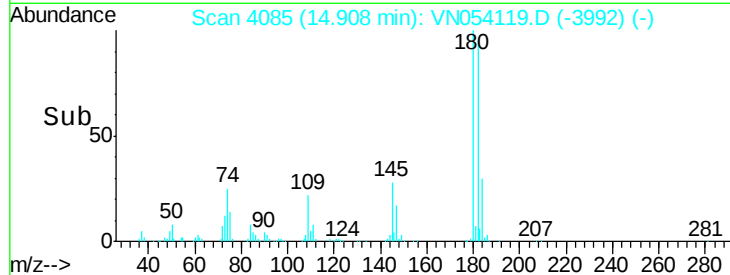
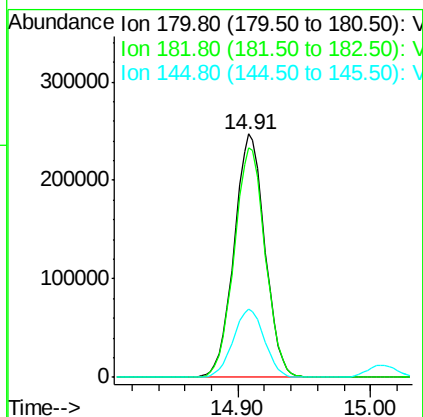
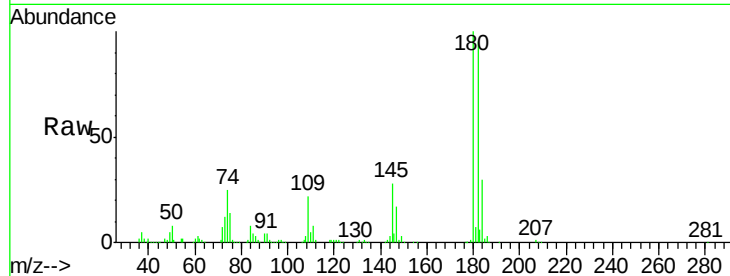




#93
 1,2,4-Trichlorobenzene
 Concen: 54.404 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

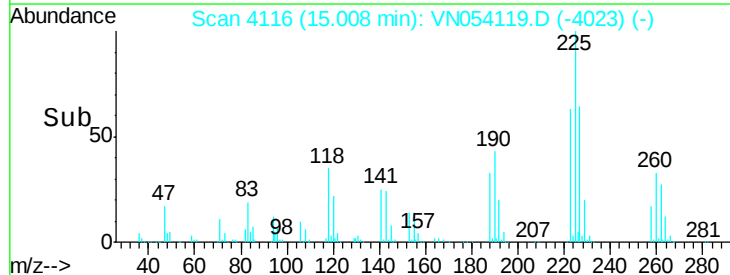
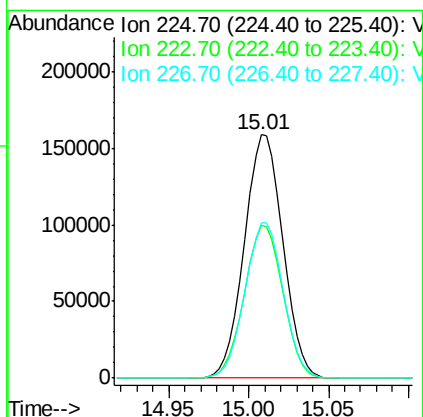
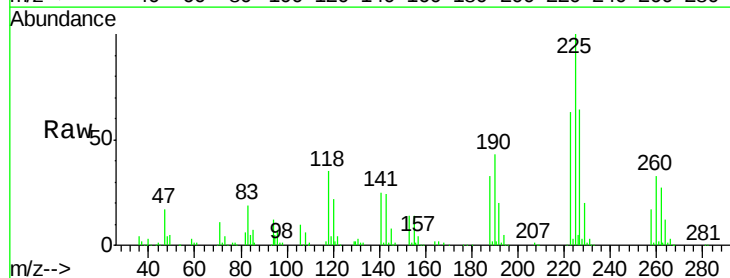
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030619

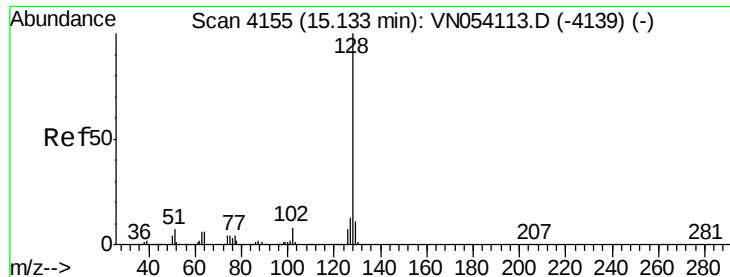
Tgt Ion:180 Resp: 396718
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.1 144.3
 145 28.6 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 58.079 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Tgt Ion:225 Resp: 260877
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.2 93.6
 227 63.7 31.9 95.7

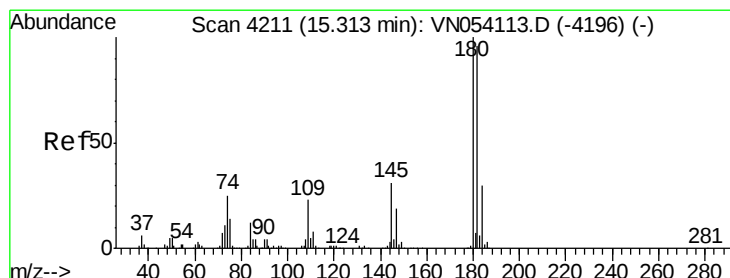
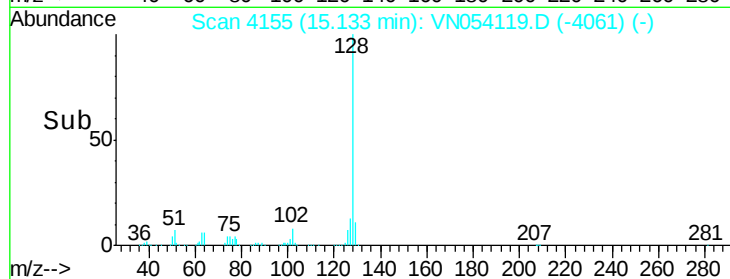
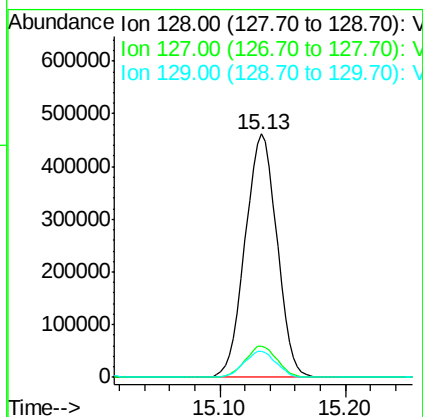
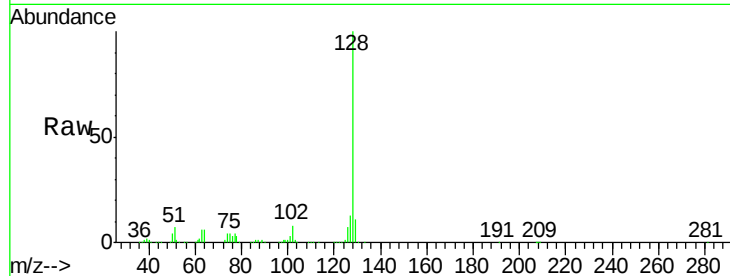




#95
Naphthalene
Concen: 49.223 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN030619

Tgt Ion:128 Resp: 814587
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 52.693 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Tgt Ion:180 Resp: 386634
Ion Ratio Lower Upper
180 100
182 95.3 47.9 143.7
145 30.3 14.9 44.5

