

Data File : VN054981.D
Acq On : 11 Apr 2019 16:39
Operator : JC/SP
Sample : VSTDICV020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVO41119

Quant Time: Apr 12 07:59:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N041119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 12 07:55:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	80259	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	430719	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	377036	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	179301	29.31	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.70%
60) 4-Bromofluorobenzene	12.40	95	172034	29.31	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.70%
63) Toluene-d8	10.09	98	551834	30.78	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	91606	19.407 ug/l	96
3) Chloromethane	2.06	50	128914	20.217 ug/l	98
4) Vinyl Chloride	2.19	62	107449	19.486 ug/l	99
5) Bromomethane	2.56	94	70299	22.040 ug/l	90
6) Chloroethane	2.71	64	59952	19.413 ug/l	98
7) Trichlorofluoromethane	3.02	101	138113	19.601 ug/l	96
8) Diethyl Ether	3.41	74	45319	20.031 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	74783	19.415 ug/l	99
10) 1,1-Dichloroethene	3.73	96	67822	19.045 ug/l	96
11) Methyl Iodide	3.94	142	91698	17.015 ug/l	99
12) Methyl Acetate	4.34	43	92501	21.118 ug/l	97
13) Acrolein	3.61	56	38738	100.908 ug/l	97
14) Acrylonitrile	4.99	53	179087	99.793 ug/l	99
15) Acetone	3.82	58	41081	92.509 ug/l	98
16) Carbon Disulfide	4.04	76	236604	19.808 ug/l	99
17) Allyl chloride	4.32	41	174519	19.900 ug/l	99
18) Methylene Chloride	4.54	84	99917	18.981 ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	92690	19.994 ug/l	98
20) Diisopropyl ether	5.96	45	349666	19.681 ug/l	98
21) 1,1-Dichloroethane	5.84	63	185743	19.574 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	104631	19.418 ug/l	100
23) tert-Butyl Alcohol	4.82	59	30908	108.014 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	241209	20.172 ug/l	# 67
25) Chloroform	7.37	83	178992	19.692 ug/l	96
26) Cyclohexane	7.65	56	169577	19.260 ug/l	# 100
29) 1,1-Dichloropropene	7.79	75	135286	20.168 ug/l	98
30) 2-Butanone	6.85	43	223079	100.186 ug/l	99
31) 2,2-Dichloropropane	6.82	77	125945	20.400 ug/l	# 100
32) 1,1,1-Trichloroethane	7.57	97	143066	20.178 ug/l	98
33) Carbon Tetrachloride	7.77	117	120126	19.569 ug/l	96
34) Benzene	8.04	78	397213	19.982 ug/l	99
35) Methacrylonitrile	7.18	41	61681	23.503 ug/l	95
36) 1,2-Dichloroethane	8.12	62	133871	19.705 ug/l	99
37) Trichloroethene	8.83	130	100941	19.919 ug/l	93
38) Methylcyclohexane	9.08	83	152889	19.654 ug/l	100
39) 1,2-Dichloropropane	9.12	63	108812	19.824 ug/l	100
40) Dibromomethane	9.21	93	62467	20.134 ug/l	98

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ICVVN041119

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	123997	19.365	ug/l	99
42) Vinyl Acetate	5.90	43	1142590	101.501	ug/l	100
43) Ethyl Acetate	6.94	43	86945	19.167	ug/l #	86
44) Isopropyl Acetate	8.17	43	155157	20.183	ug/l	96
45) 1,4-Dioxane	9.20	88	17954	421.564	ug/l	95
46) Methyl methacrylate	9.20	41	79467	19.983	ug/l	94
47) n-amyl Acetate	12.07	43	120469	21.276	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	113304	19.270	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	142139	19.582	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	83107	19.722	ug/l	98
51) Ethyl methacrylate	10.43	69	100423	19.992	ug/l	97
52) 1,3-Dichloropropane	10.71	76	149415	20.235	ug/l	99
53) Dibromochloromethane	10.90	129	83507	19.239	ug/l	96
54) 1,2-Dibromoethane	11.00	107	79856	20.186	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	189739	90.352	ug/l	100
56) Bromoform	12.13	173	51642	18.934	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	447826	102.995	ug/l	100
59) 2-Hexanone	10.75	43	290636	105.219	ug/l	99
61) Tetrachloroethene	10.63	164	96183	19.602	ug/l	95
62) Toluene	10.16	91	414397	19.947	ug/l	97
64) Chlorobenzene	11.43	112	252270	20.114	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	87404	19.595	ug/l	97
66) Ethyl Benzene	11.51	91	443166	19.900	ug/l	98
67) m/p-Xylenes	11.62	106	325043	39.267	ug/l	100
68) o-Xylene	11.95	106	162575	19.874	ug/l	99
69) Styrene	11.96	104	245287	19.310	ug/l	99
70) Isopropylbenzene	12.25	105	434261	19.855	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	102781	20.546	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	120131	29.079	ug/l	56
73) Bromobenzene	12.53	156	103037	19.931	ug/l	97
74) n-propylbenzene	12.59	91	480836	19.638	ug/l	100
75) 2-Chlorotoluene	12.67	91	291475	19.738	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	346259	19.582	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	19700	18.918	ug/l	95
78) 4-Chlorotoluene	12.77	91	275479	19.578	ug/l	100
79) tert-butylbenzene	12.99	119	303400	19.830	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	345559	19.893	ug/l	99
81) sec-Butylbenzene	13.17	105	412833	20.194	ug/l	100
82) p-Isopropyltoluene	13.29	119	341802	19.811	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	172048	19.893	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	161077	19.600	ug/l	99
85) n-Butylbenzene	13.62	91	267285	19.448	ug/l	100
86) Hexachloroethane	13.87	117	50983	18.459	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	169393	20.000	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	13642	20.519	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	78529	20.739	ug/l	97
90) Hexachlorobutadiene	15.01	225	62951	22.802	ug/l	99
91) Naphthalene	15.13	128	179234	22.605	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	81416	21.499	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN041119\
Quantitation Report (Not Reviewed)

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 12 07:55:25 2019
Response via : Initial Calibration

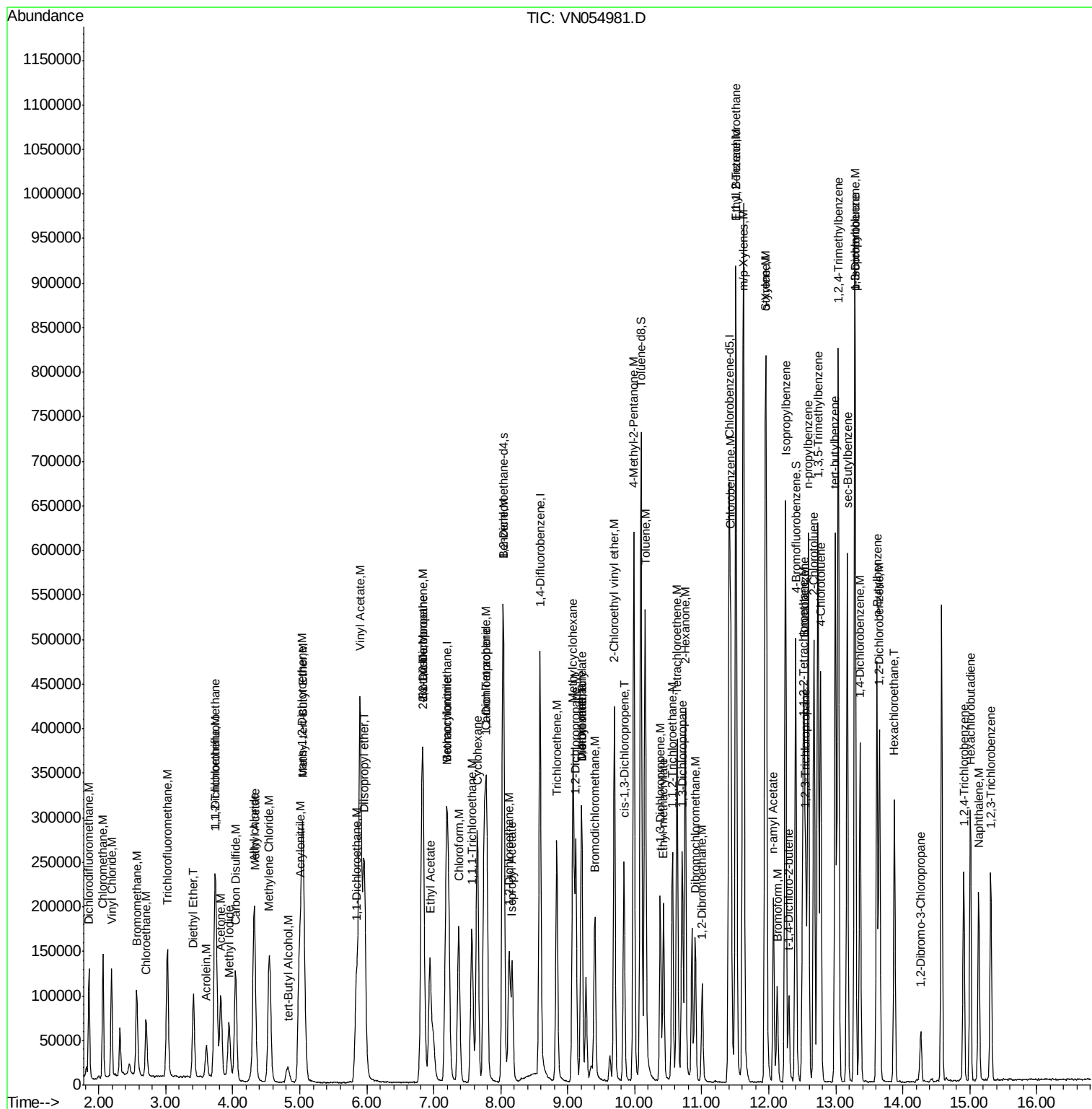
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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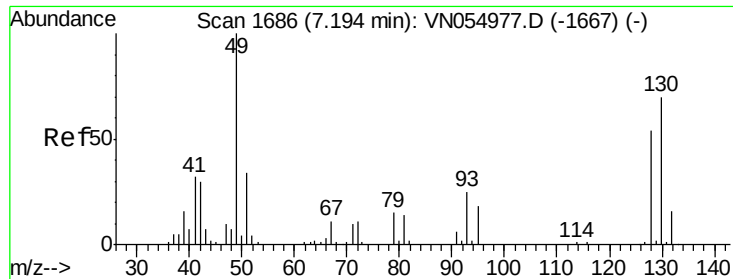
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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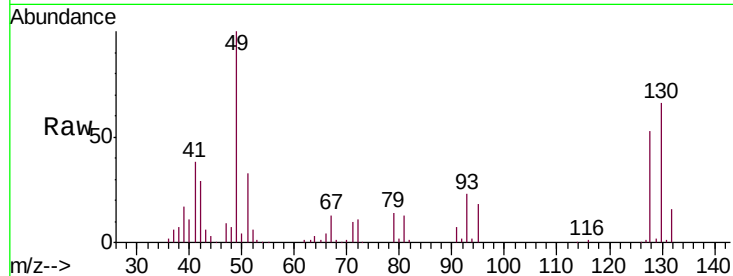




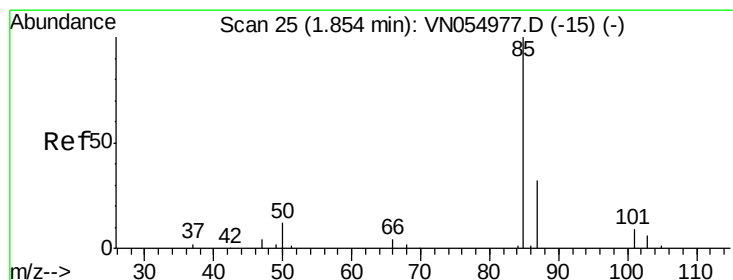
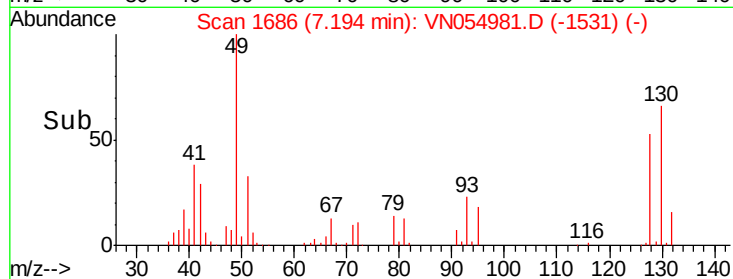
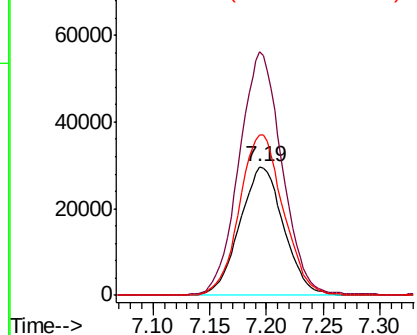
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN054981.D
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Instrument :
MSVOA_N
ClientSampleId :
ICVVN041119

Tgt Ion: 128 Resp: 80259
Ion Ratio Lower Upper
128 100
49 185.7 0.0 480.3
130 124.9 0.0 322.2

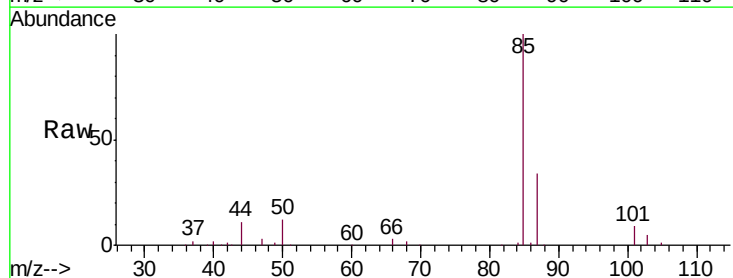


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

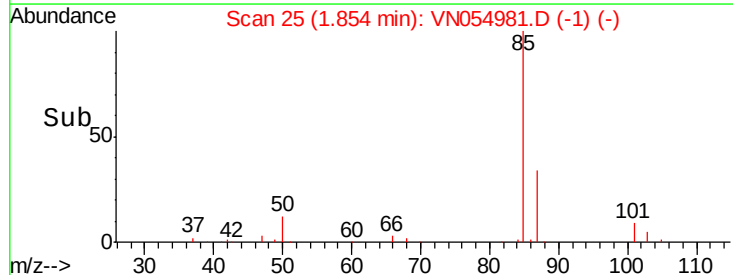
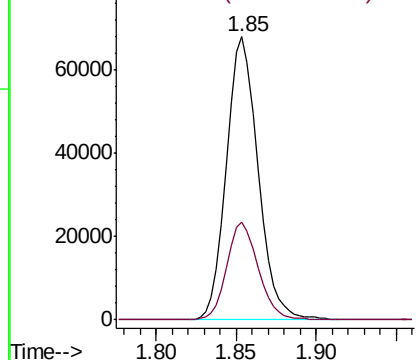


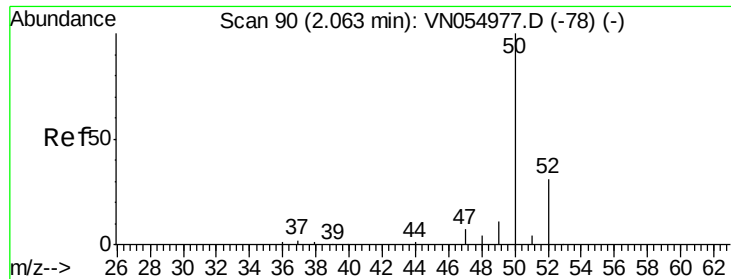
#2
Dichlorodifluoromethane
Concen: 19.407 ug/l
RT: 1.85 min Scan# 25
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion: 85 Resp: 91606
Ion Ratio Lower Upper
85 100
87 34.5 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.217 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

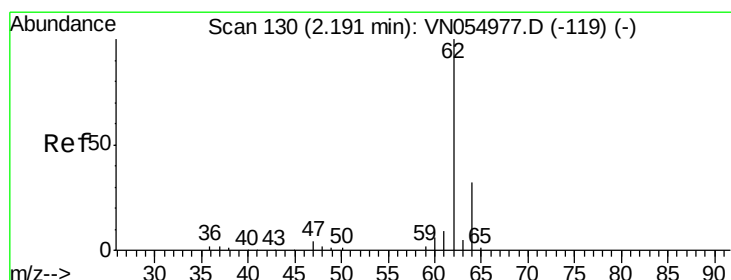
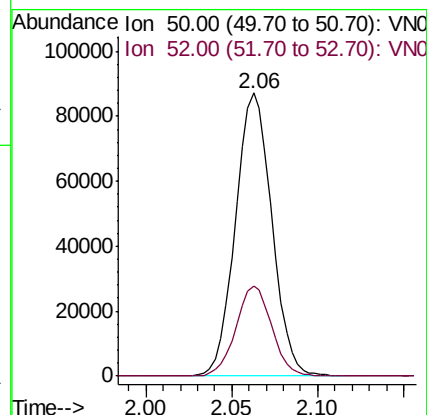
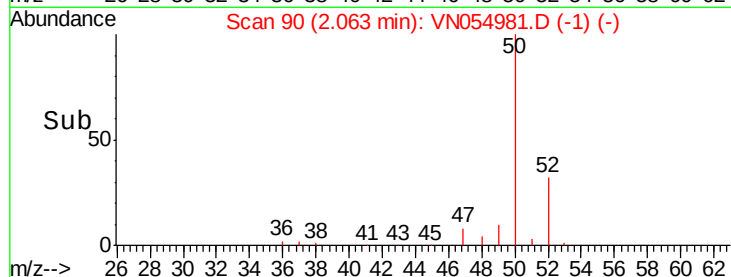
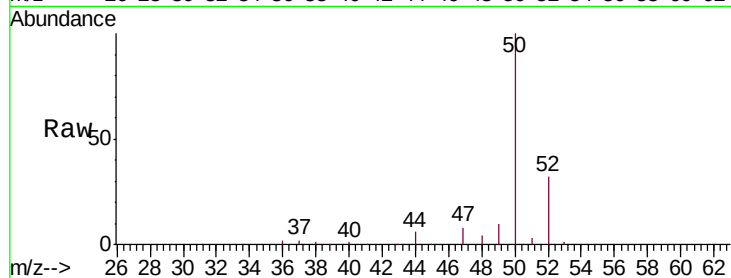
ICV041119

Tgt Ion: 50 Resp: 128914

Ion Ratio Lower Upper

50 100

52 31.7 24.5 36.7



#4

Vinyl Chloride

Concen: 19.486 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054981.D

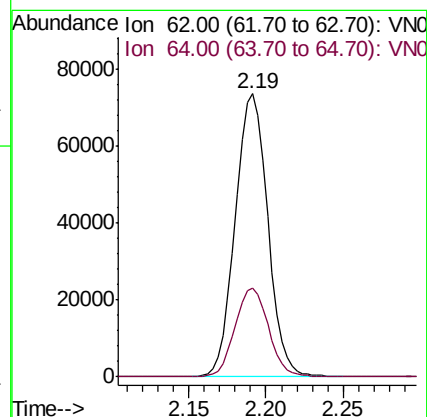
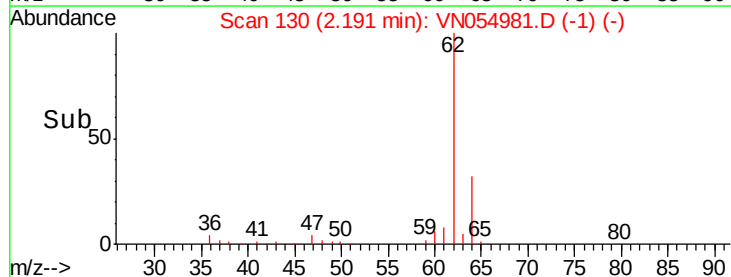
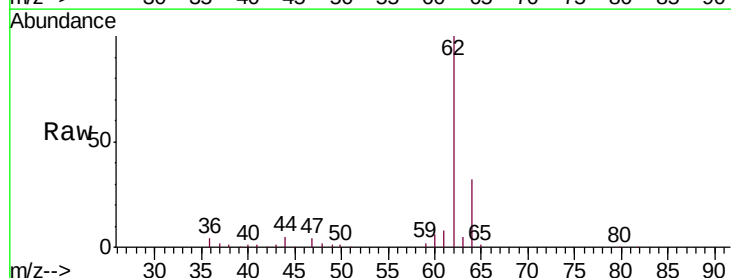
Acq: 11 Apr 2019 16:39

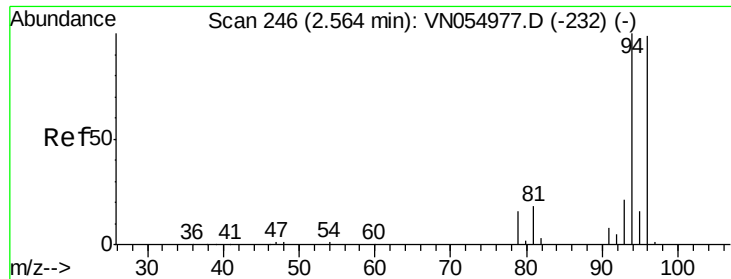
Tgt Ion: 62 Resp: 107449

Ion Ratio Lower Upper

62 100

64 31.5 25.6 38.4

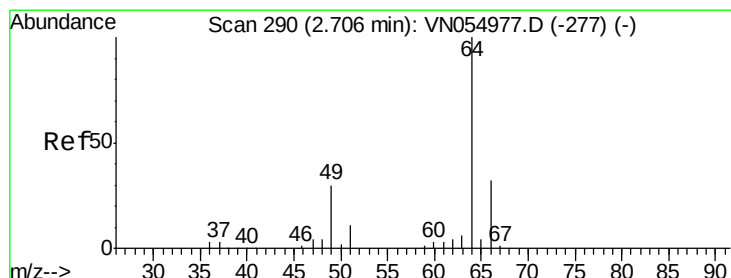
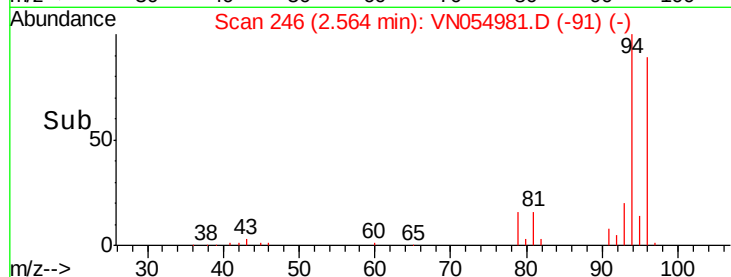
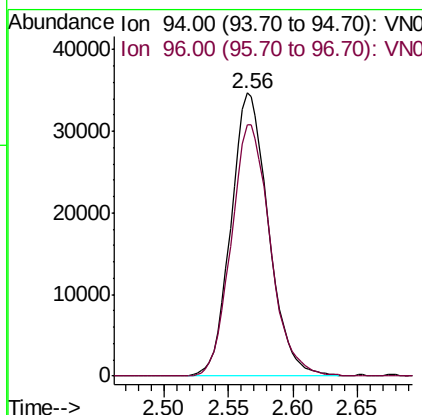
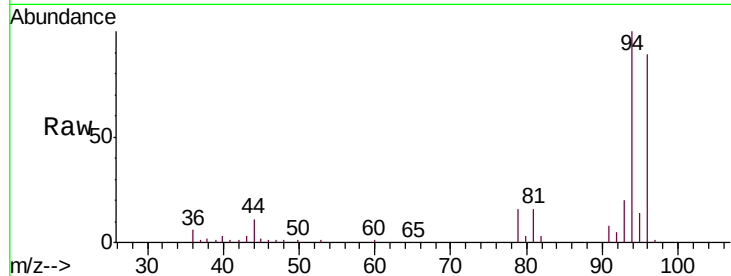




#5
Bromomethane
Concen: 22.040 ug/l
RT: 2.56 min Scan# 246
Delta R.T. -0.00 min
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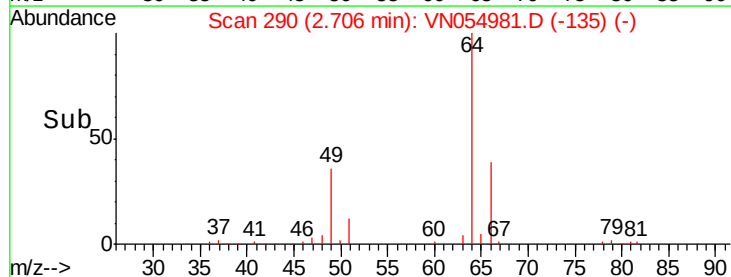
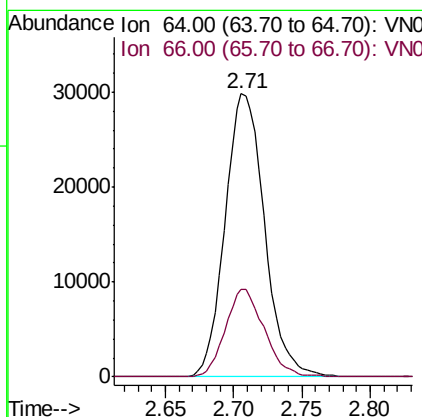
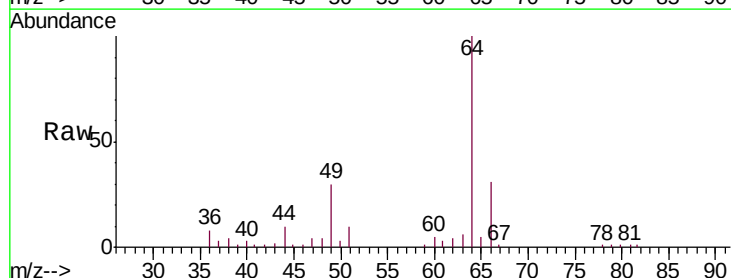
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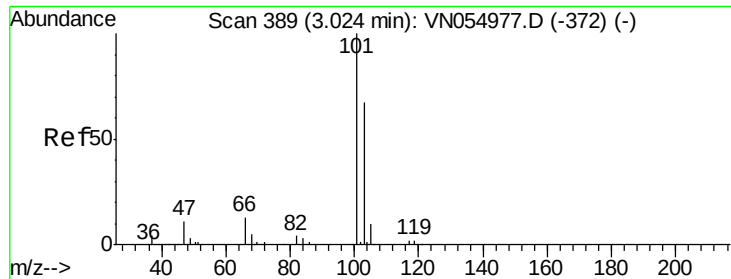
Tgt Ion: 94 Resp: 70299
Ion Ratio Lower Upper
94 100
96 88.9 79.1 118.7



#6
Chloroethane
Concen: 19.413 ug/l
RT: 2.71 min Scan# 290
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion: 64 Resp: 59952
Ion Ratio Lower Upper
64 100
66 31.2 25.7 38.5



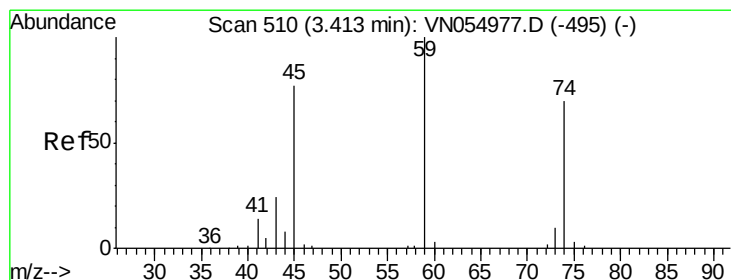
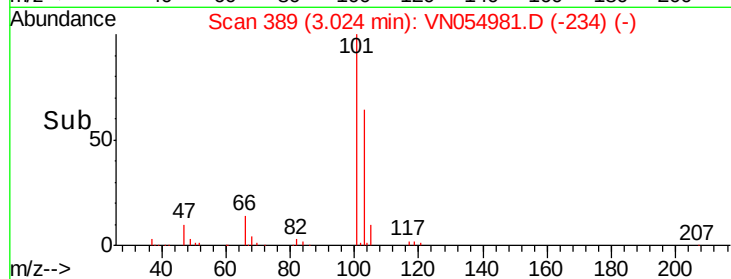
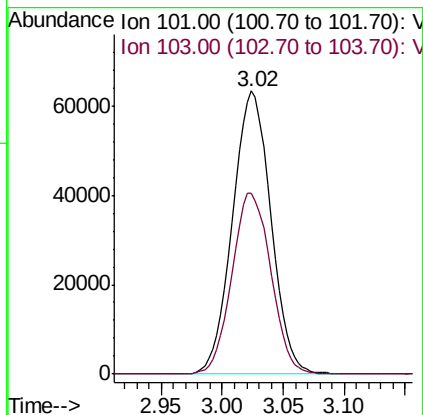
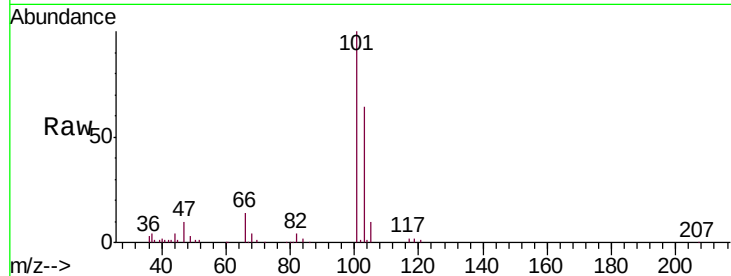


#7

Trichlorofluoromethane
 Concen: 19.601 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
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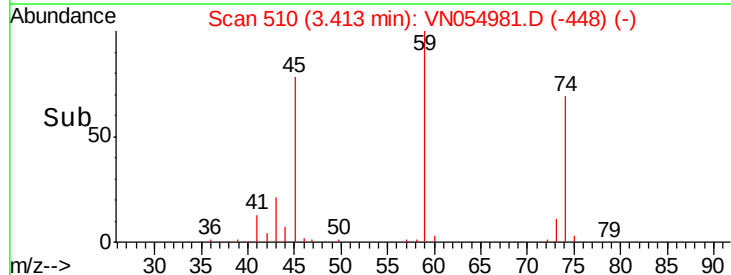
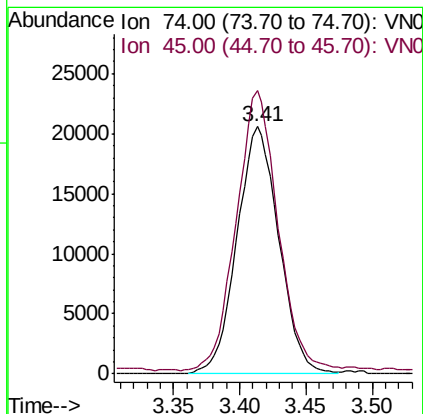
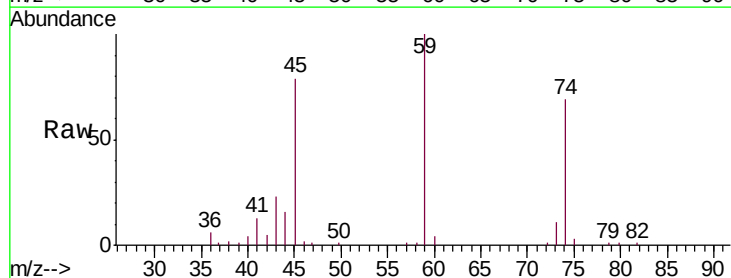
Tgt Ion:101 Resp: 138113
 Ion Ratio Lower Upper
 101 100
 103 63.8 53.4 80.0

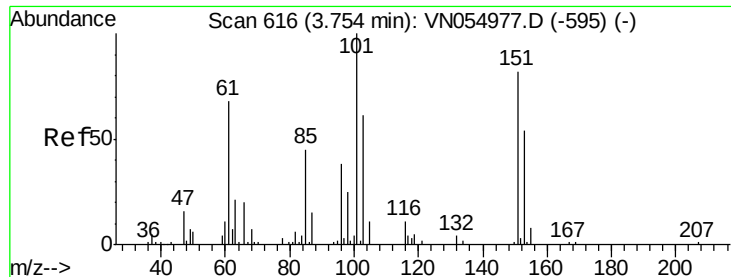


#8

Diethyl Ether
 Concen: 20.031 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Tgt Ion: 74 Resp: 45319
 Ion Ratio Lower Upper
 74 100
 45 112.2 22.9 205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.415 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054981.D

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Instrument :

MSVOA_N

ClientSampleId :

ICVVN041119

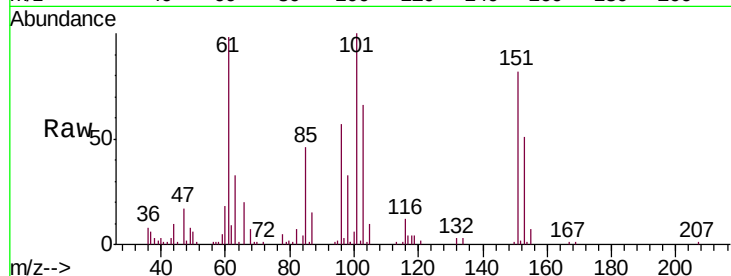
Tgt Ion:101 Resp: 74783

Ion Ratio Lower Upper

101 100

85 46.3 0.0 91.4

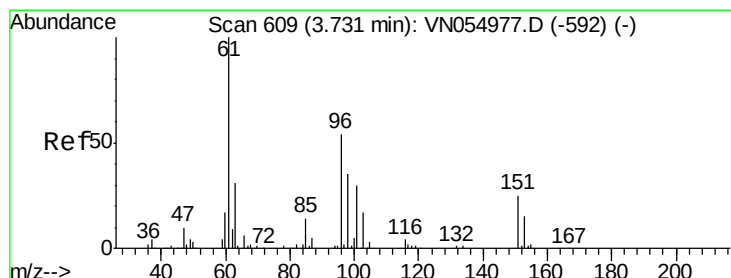
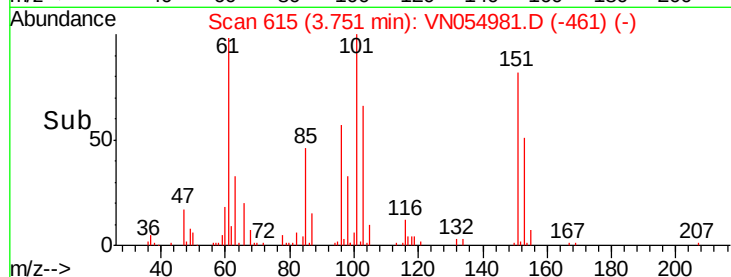
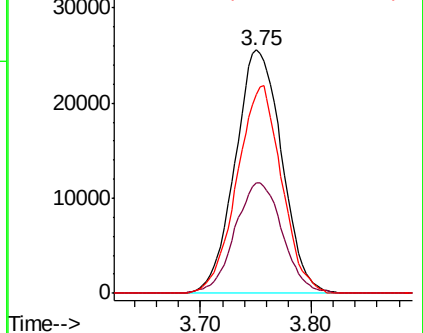
151 81.7 0.0 165.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.045 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

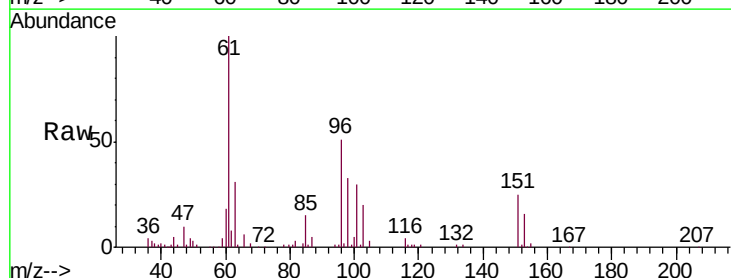
Tgt Ion: 96 Resp: 67822

Ion Ratio Lower Upper

96 100

61 193.9 148.4 222.6

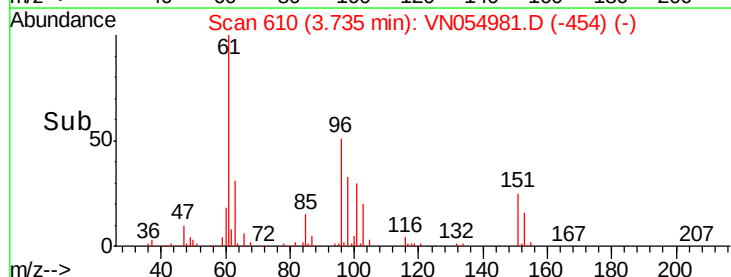
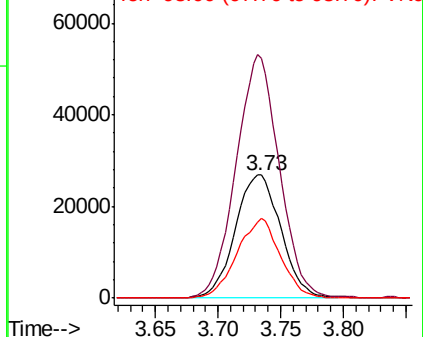
98 64.9 52.2 78.2

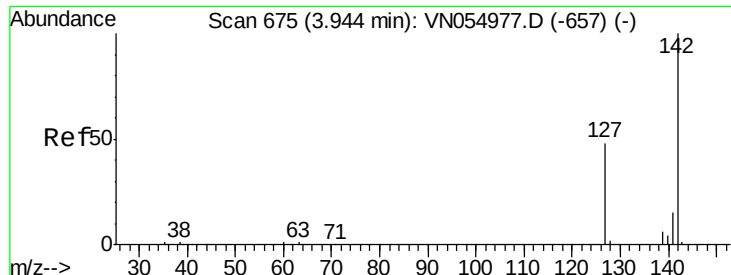


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

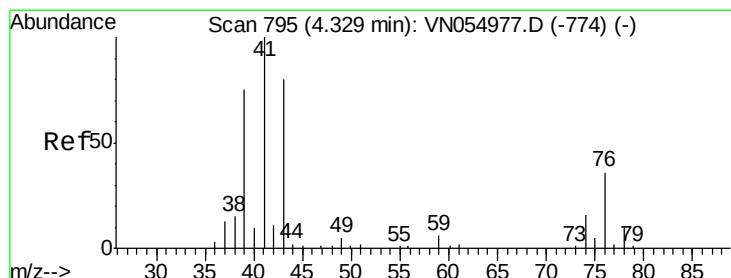
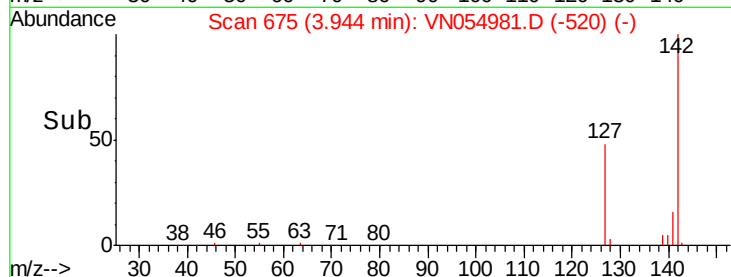
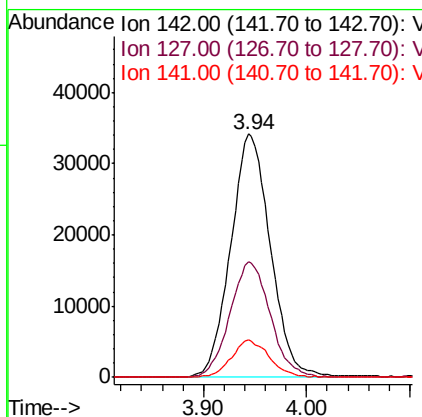
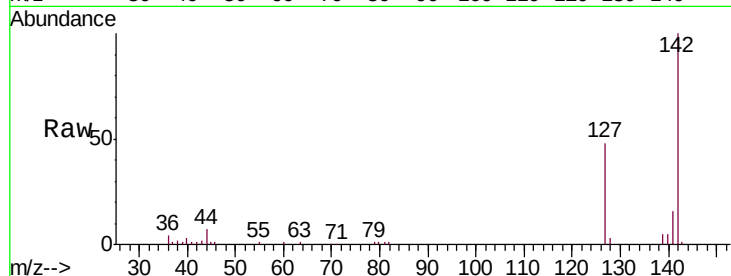




#11
Methyl Iodide
Concen: 17.015 ug/l
RT: 3.94 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

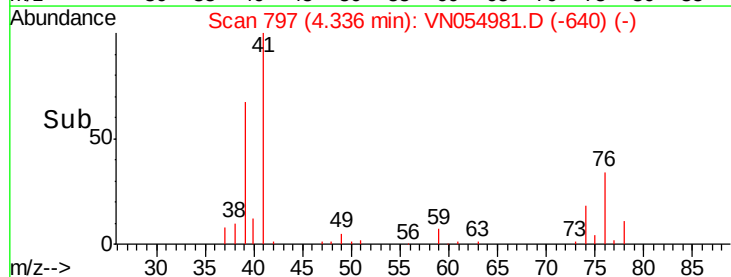
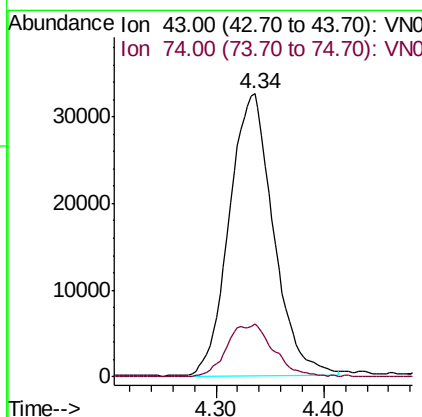
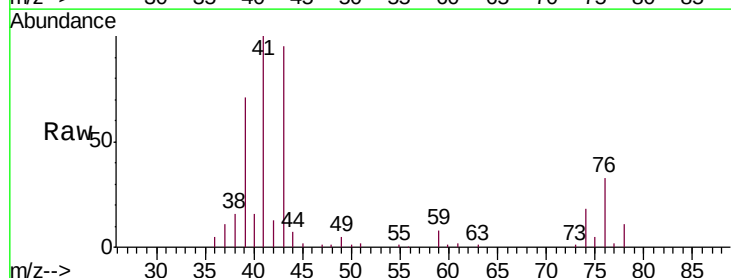
Instrument :
MSVOA_N
ClientSampleId :
ICVVN041119

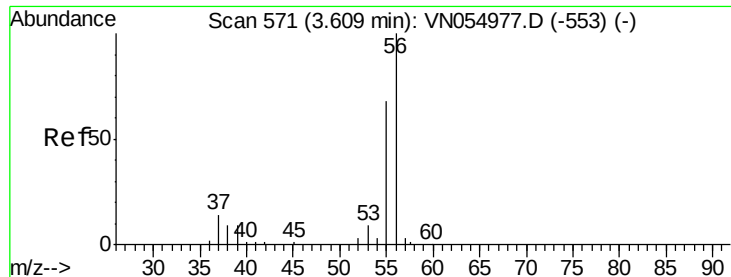
Tgt Ion:142 Resp: 91698
Ion Ratio Lower Upper
142 100
127 47.7 23.8 71.5
141 15.6 7.3 22.0



#12
Methyl Acetate
Concen: 21.118 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion: 43 Resp: 92501
Ion Ratio Lower Upper
43 100
74 18.8 16.2 24.4





#13

Acrolein

Concen: 100.908 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

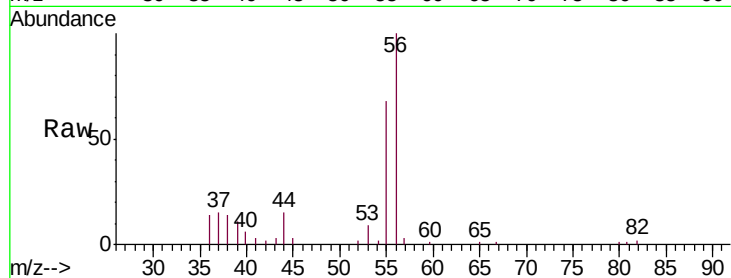
ICVFN041119

Tgt Ion: 56 Resp: 38738

Ion Ratio Lower Upper

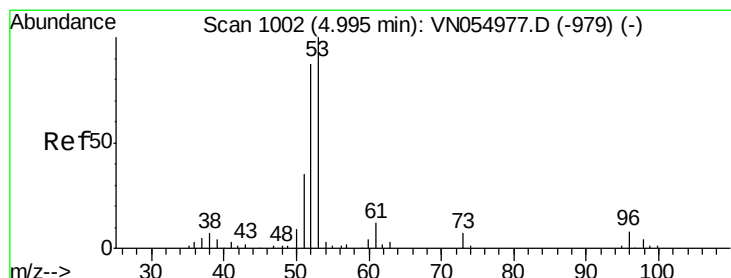
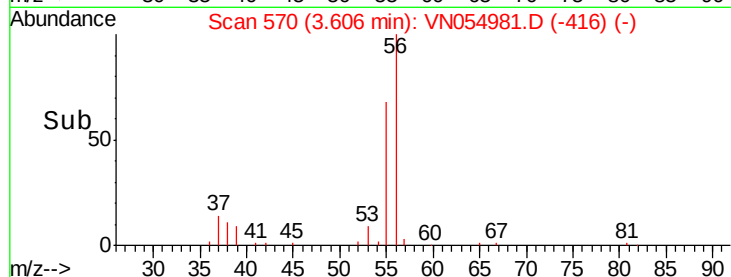
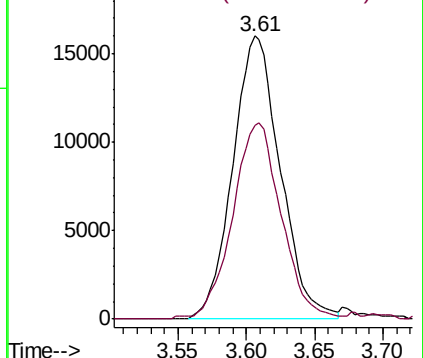
56 100

55 69.0 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 99.793 ug/l

RT: 4.99 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

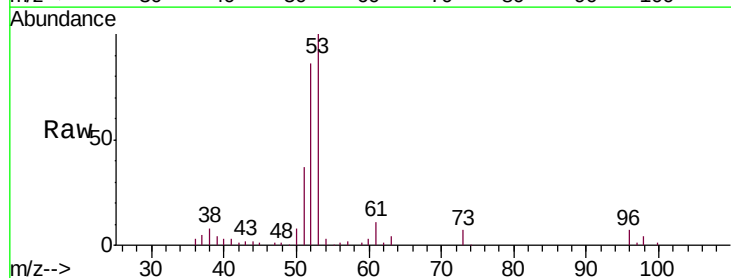
Tgt Ion: 53 Resp: 179087

Ion Ratio Lower Upper

53 100

52 84.2 42.3 126.8

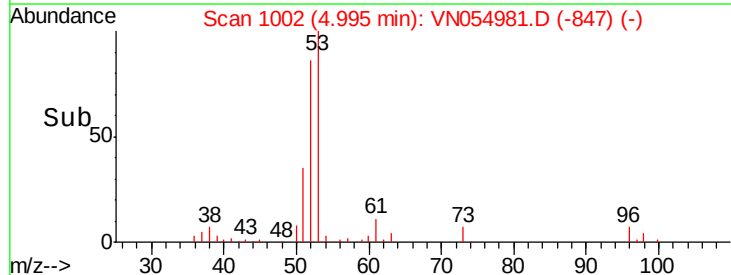
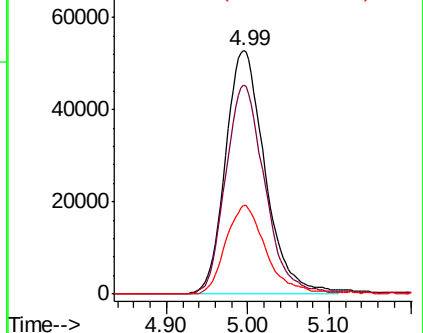
51 36.6 18.6 56.0

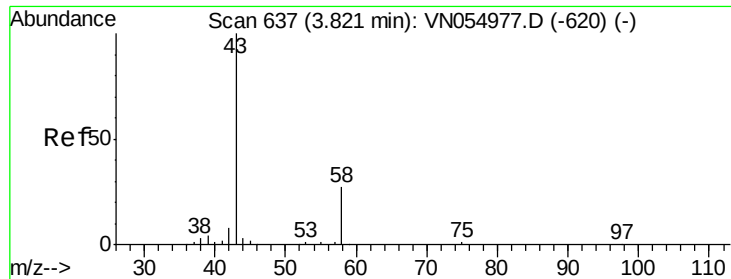


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

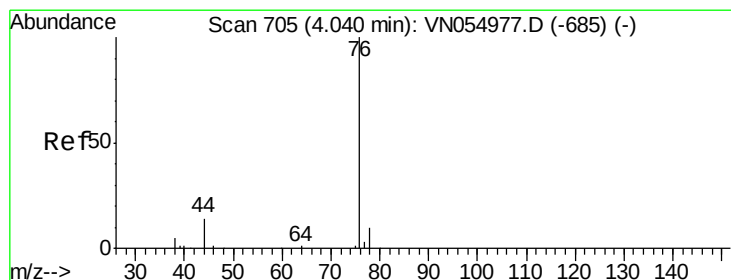
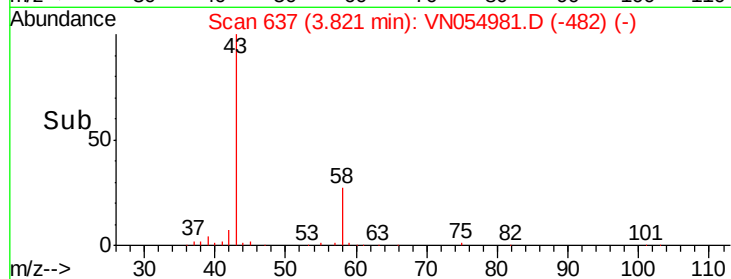
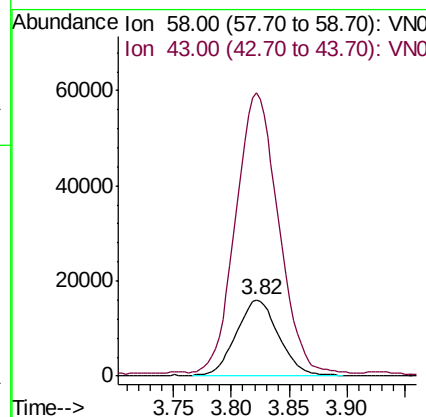
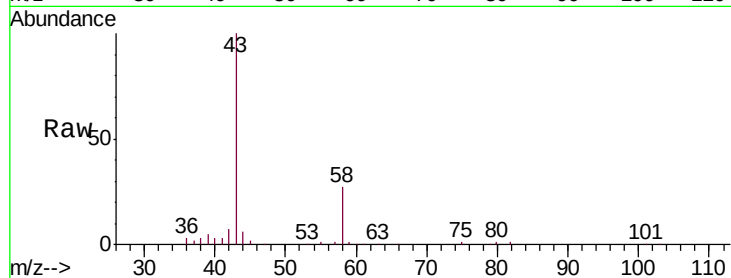




#15
Acetone
Concen: 92.509 ug/l
RT: 3.82 min Scan# 637
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

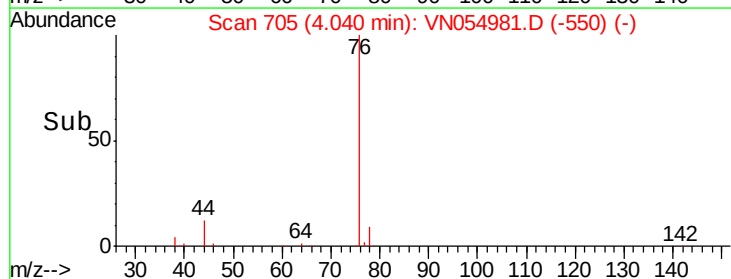
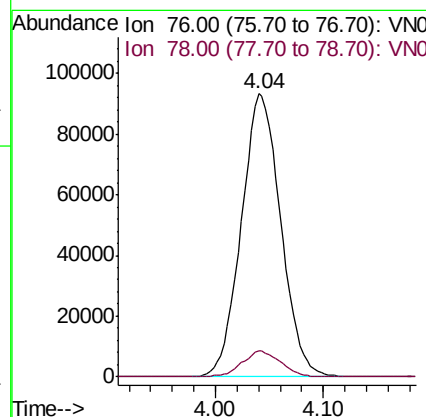
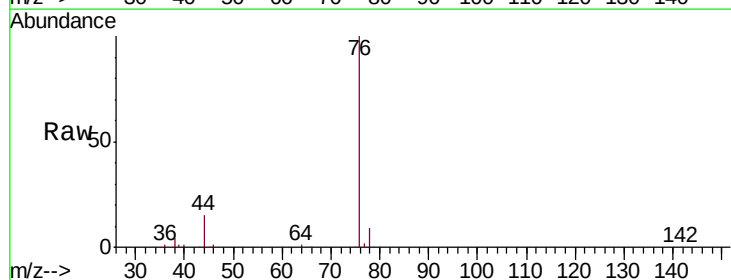
Instrument :
MSVOA_N
ClientSampleId :
ICVFN041119

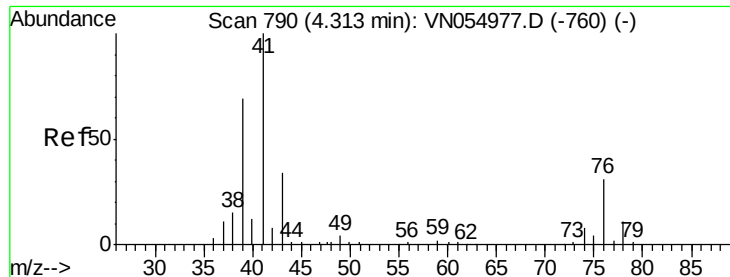
Tgt Ion: 58 Resp: 41081
Ion Ratio Lower Upper
58 100
43 366.1 297.2 445.8



#16
Carbon Disulfide
Concen: 19.808 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion: 76 Resp: 236604
Ion Ratio Lower Upper
76 100
78 9.3 7.8 11.6

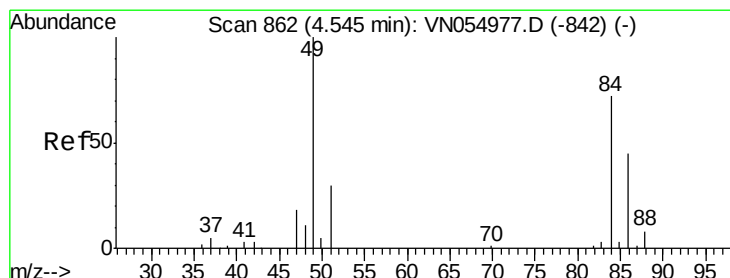
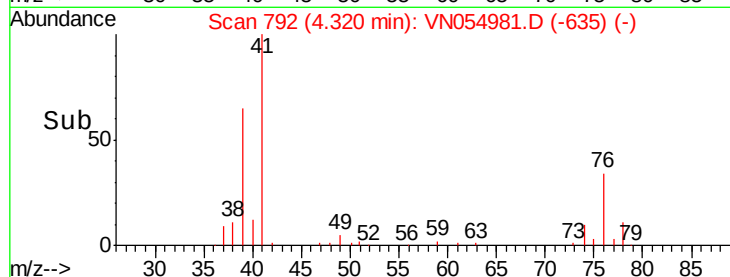
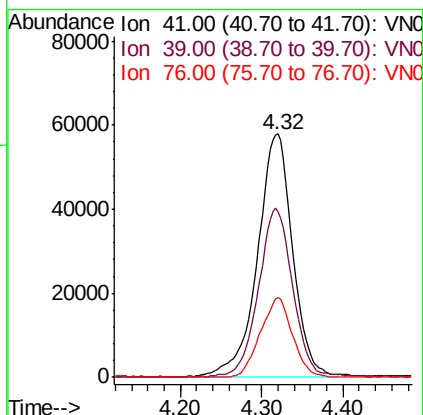
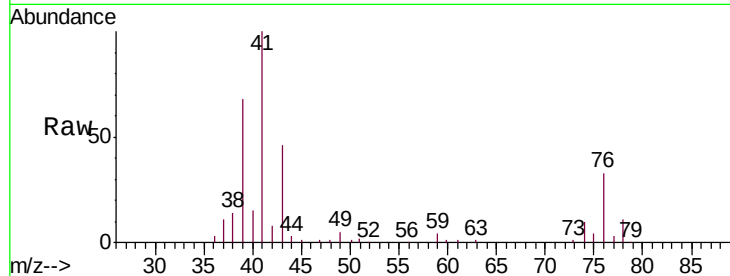




#17
 Allyl chloride
 Concen: 19.900 ug/l
 RT: 4.32 min Scan# 792
 Delta R.T. 0.01 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

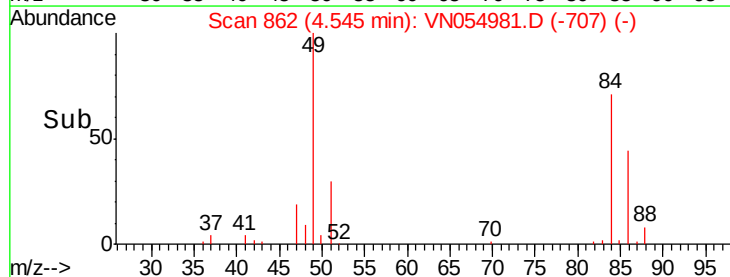
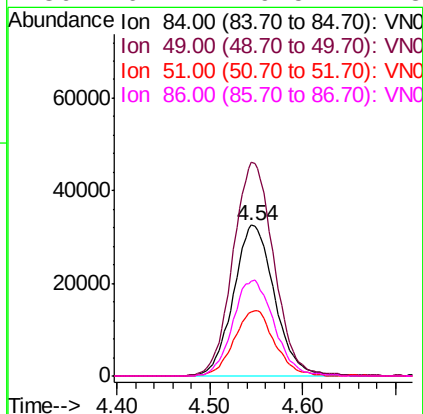
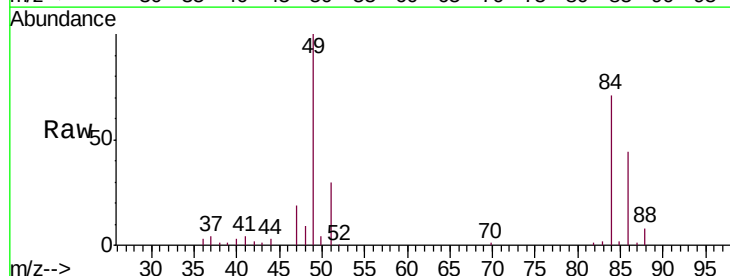
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041119

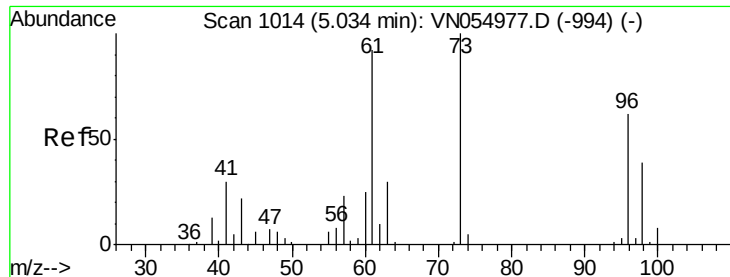
Tgt Ion: 41 Resp: 174519
 Ion Ratio Lower Upper
 41 100
 39 67.7 34.3 102.9
 76 32.7 15.8 47.3



#18
 Methylene Chloride
 Concen: 18.981 ug/l
 RT: 4.54 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Tgt Ion: 84 Resp: 99917
 Ion Ratio Lower Upper
 84 100
 49 141.0 111.0 166.4
 51 42.7 33.4 50.2
 86 62.7 49.5 74.3

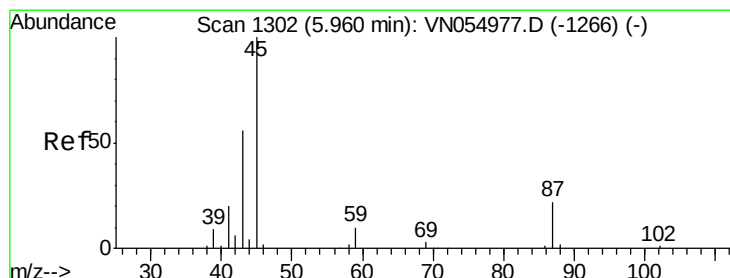
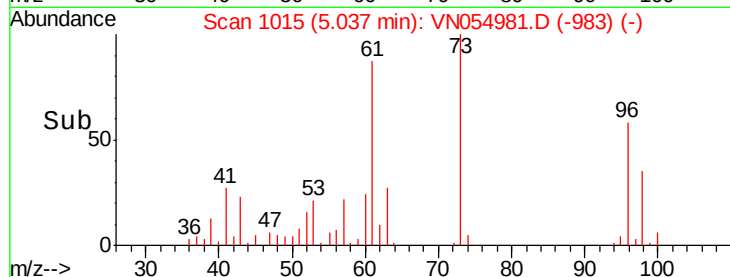
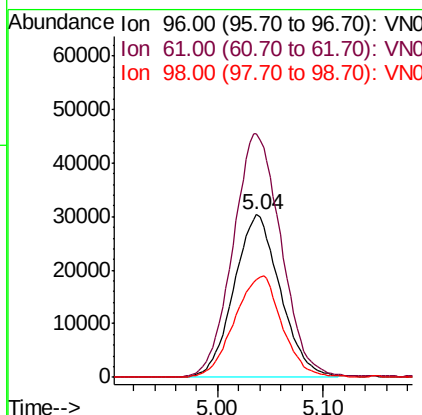
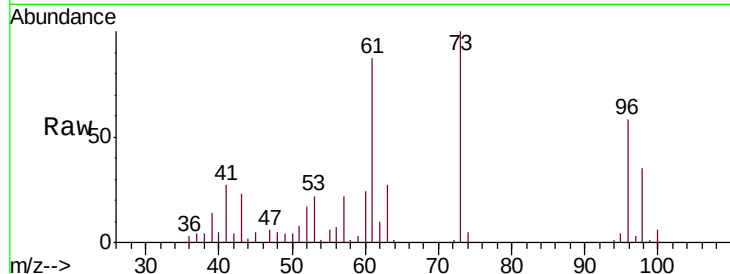




#19
trans-1,2-Dichloroethene
Concen: 19.994 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

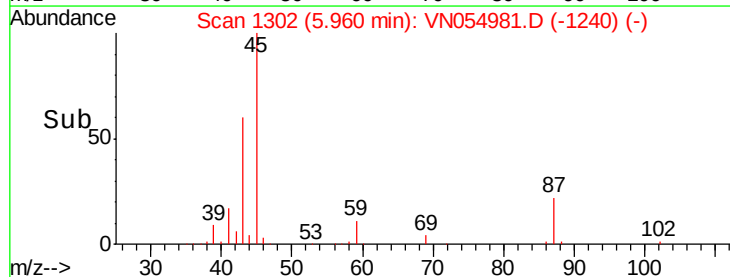
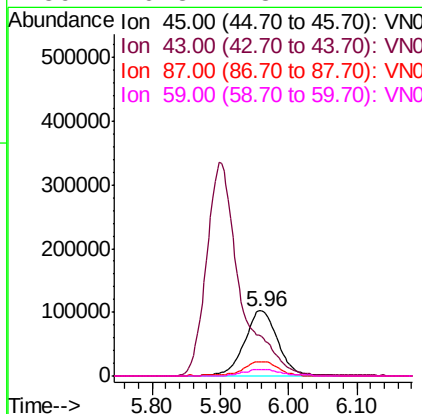
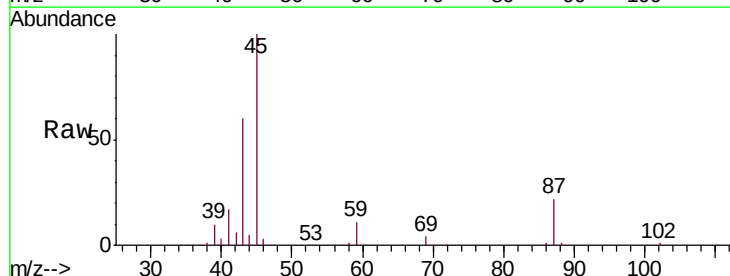
Instrument :
MSVOA_N
ClientSampleId :
ICVVN041119

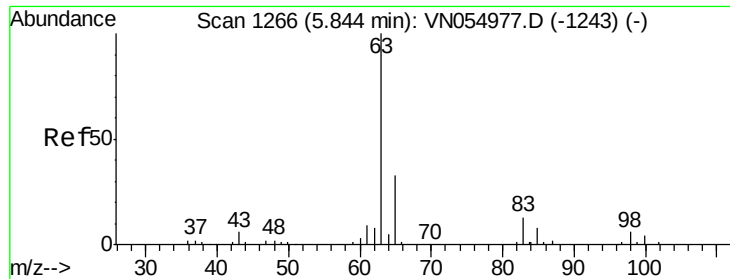
Tgt Ion: 96 Resp: 92690
Ion Ratio Lower Upper
96 100
61 148.4 117.2 175.8
98 59.9 49.4 74.2



#20
Diisopropyl ether
Concen: 19.681 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion: 45 Resp: 349666
Ion Ratio Lower Upper
45 100
43 58.6 45.8 68.8
87 21.8 18.2 27.4
59 10.3 8.2 12.2

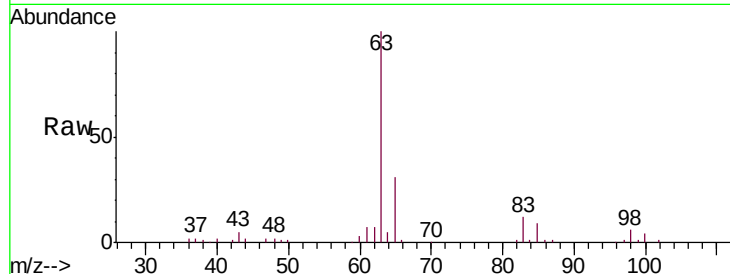




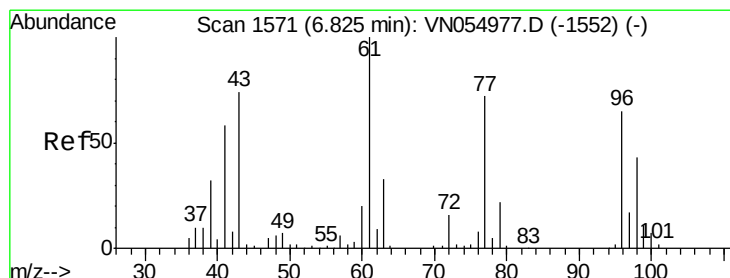
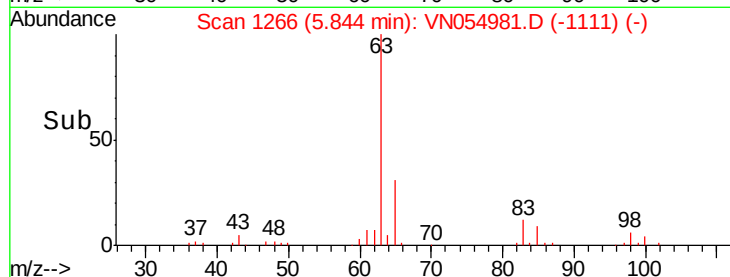
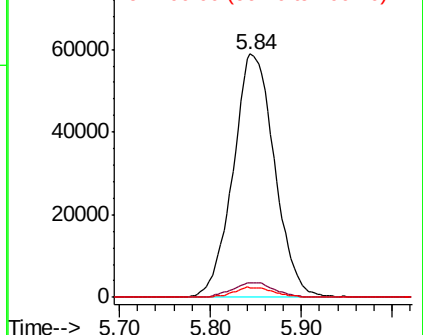
#21
 1,1-Dichloroethane
 Concen: 19.574 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041119

Tgt Ion:	63	Resp:	185743
Ion	Ratio	Lower	Upper
63	100		
98	6.2	2.9	8.7
100	3.8	2.0	5.8

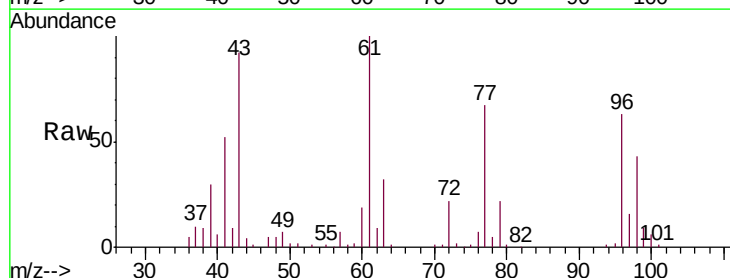


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

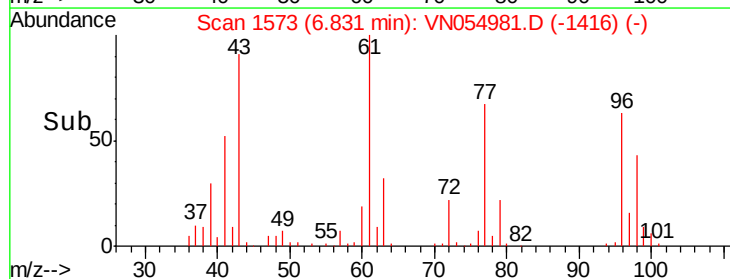
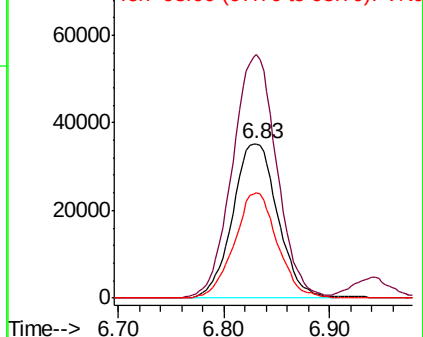


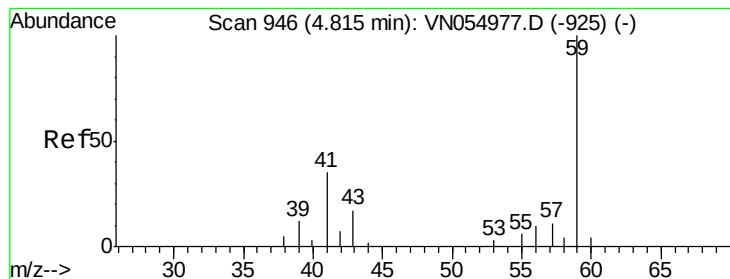
#22
 cis-1,2-Dichloroethene
 Concen: 19.418 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Tgt Ion:	96	Resp:	104631
Ion	Ratio	Lower	Upper
96	100		
61	155.4	125.0	187.6
98	65.1	52.2	78.2



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0





#23

tert-Butyl Alcohol

Concen: 108.014 ug/l

RT: 4.82 min Scan# 949

Delta R.T. 0.01 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

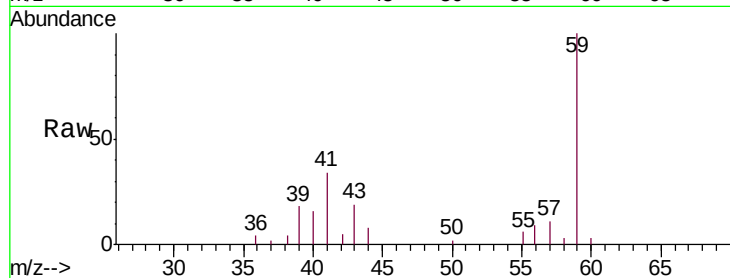
ICVVN041119

Tgt Ion: 59 Resp: 30908

Ion Ratio Lower Upper

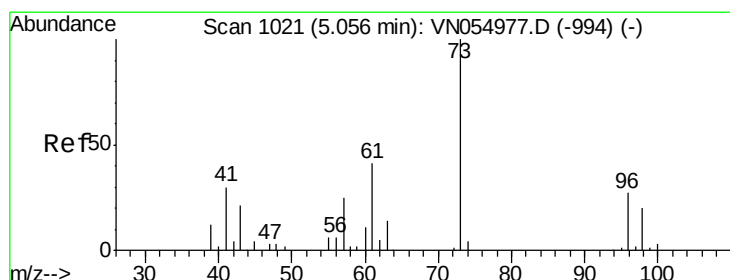
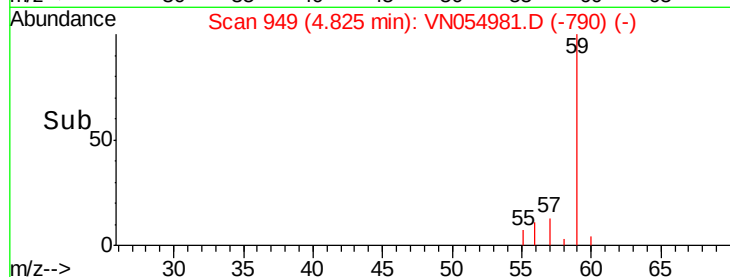
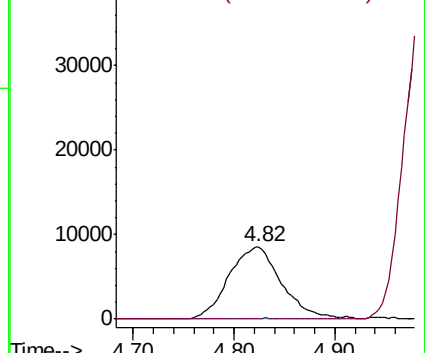
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 20.172 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VN054981.D

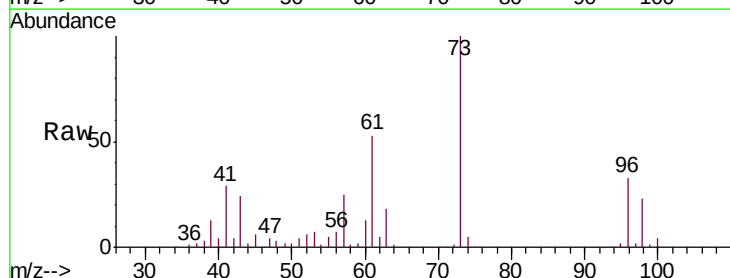
Acq: 11 Apr 2019 16:39

Tgt Ion: 73 Resp: 241209

Ion Ratio Lower Upper

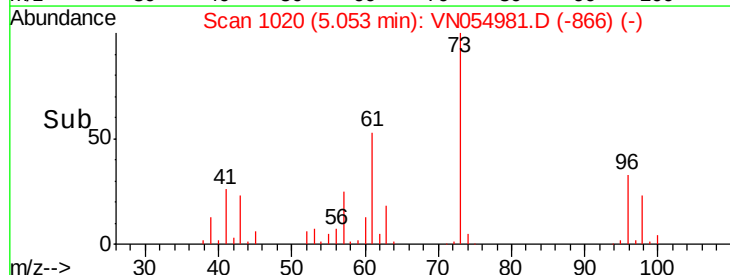
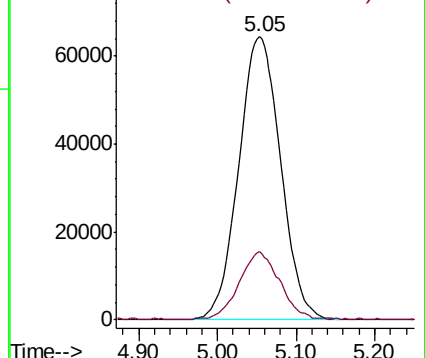
73 100

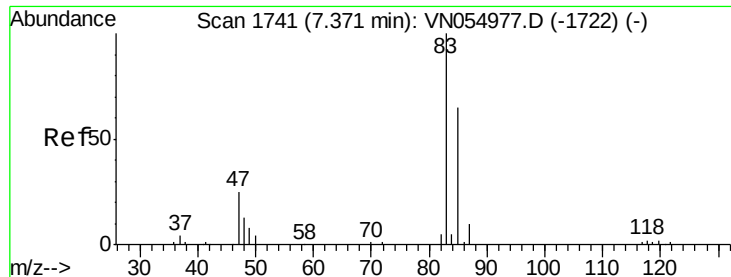
43 22.3 8.0 12.0#



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

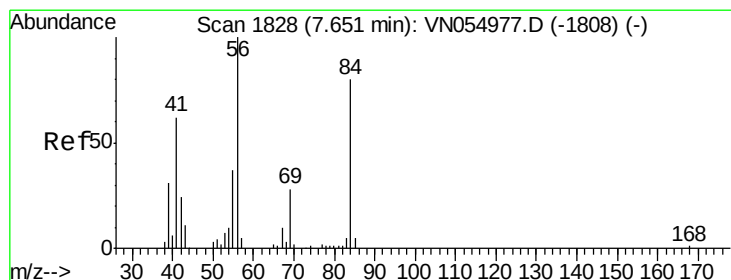
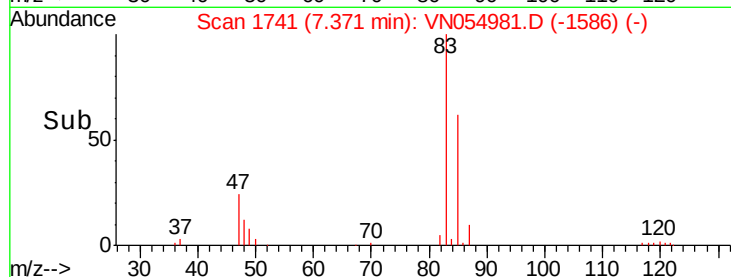
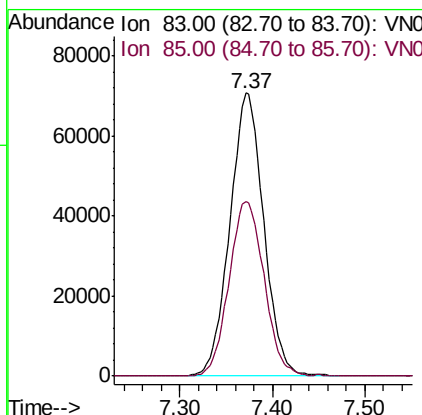
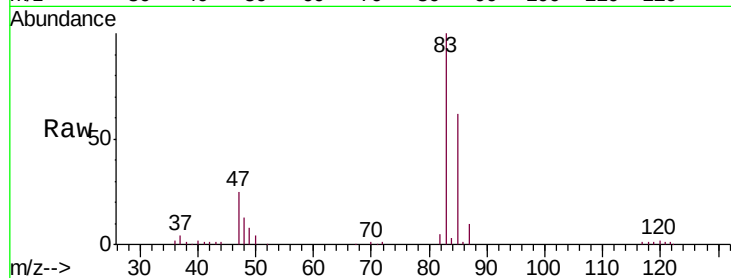




#25
Chloroform
Concen: 19.692 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

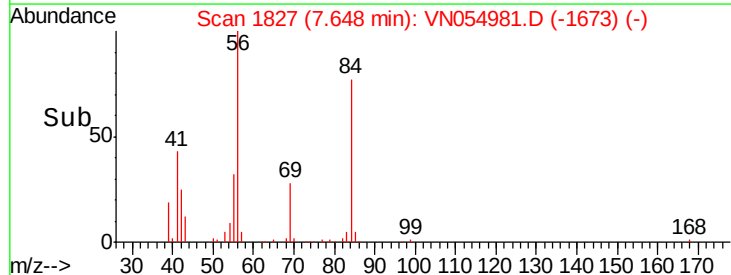
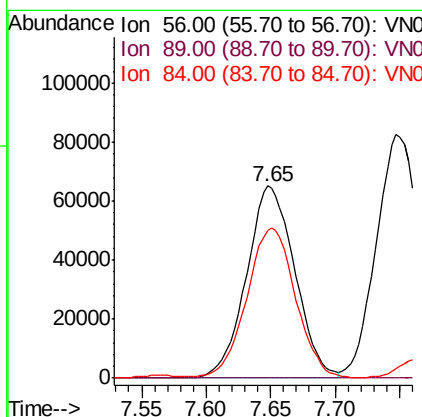
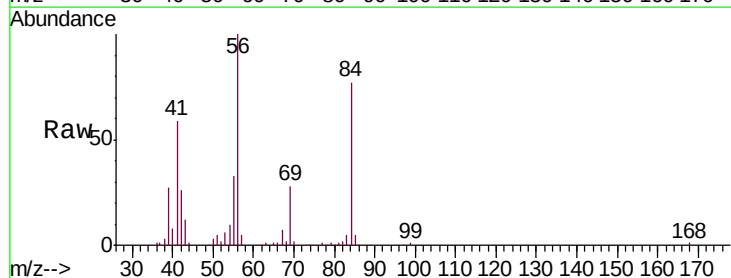
Instrument :
MSVOA_N
ClientSampleId :
ICVVN041119

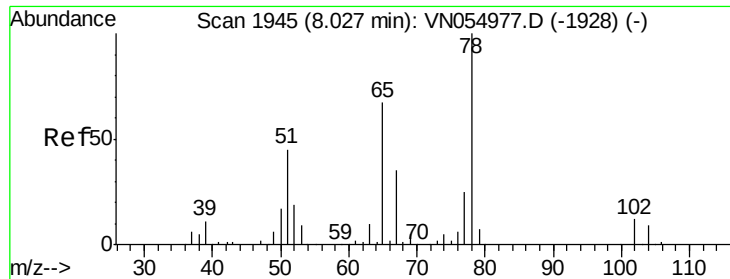
Tgt Ion: 83 Resp: 178992
Ion Ratio Lower Upper
83 100
85 61.5 51.8 77.8



#26
Cyclohexane
Concen: 19.260 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion: 56 Resp: 169577
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 79.1 63.5 95.3

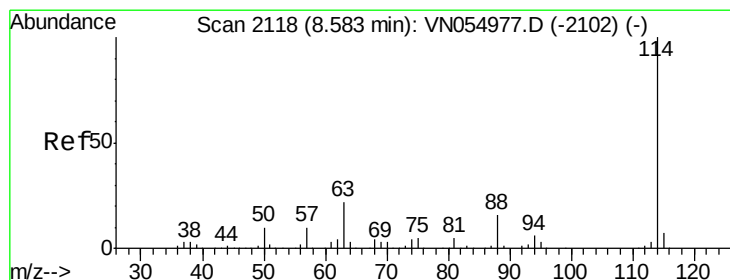
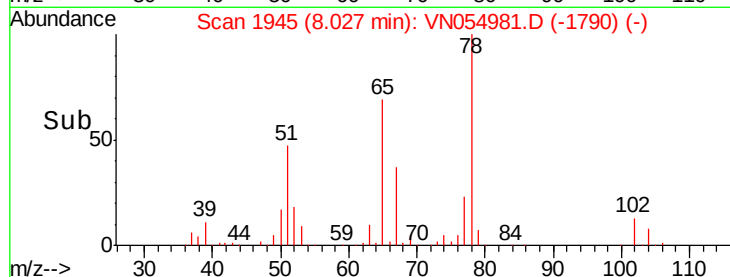
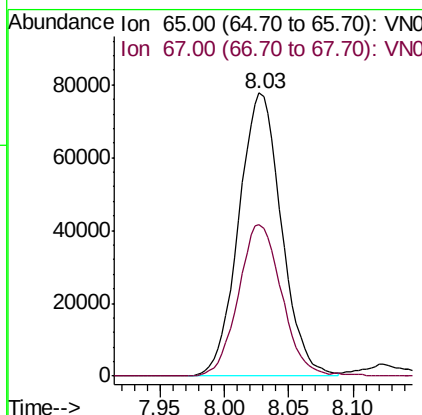
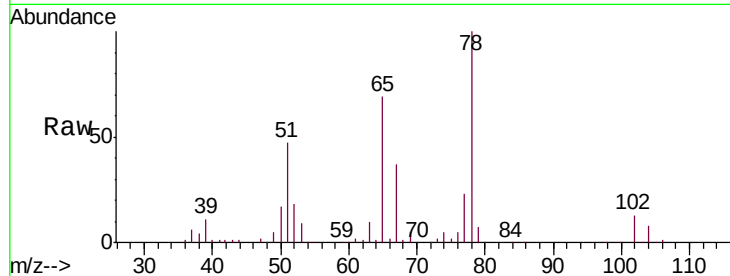




#27
 1,2-Dichloroethane-d4
 Concen: 19.260 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

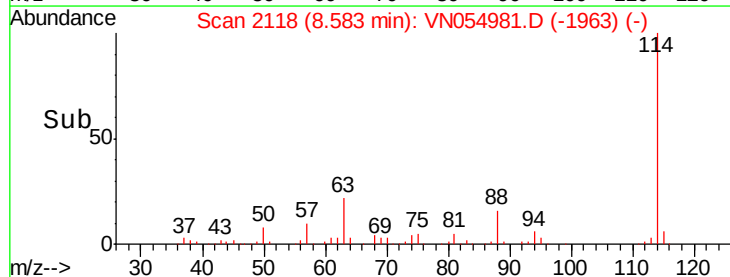
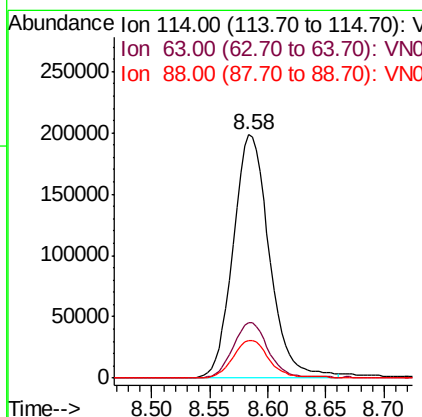
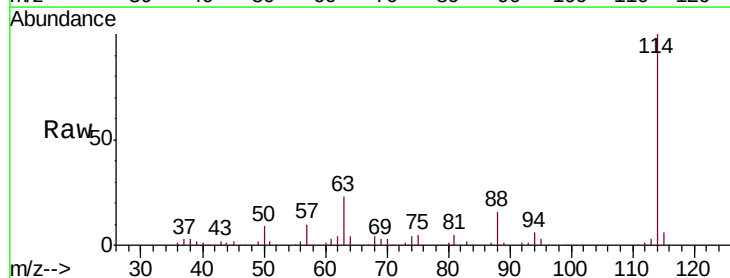
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041119

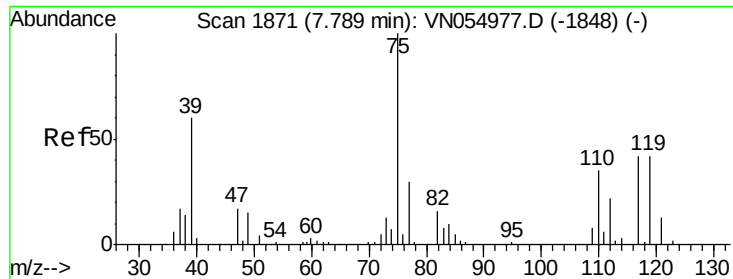
Tgt Ion: 65 Resp: 179301
 Ion Ratio Lower Upper
 65 100
 67 54.2 41.8 62.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Tgt Ion: 114 Resp: 430719
 Ion Ratio Lower Upper
 114 100
 63 22.3 17.0 25.4
 88 15.3 12.3 18.5

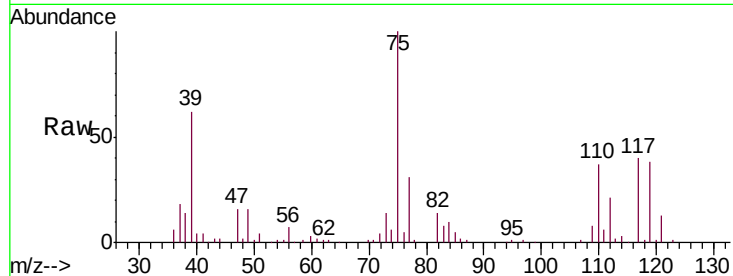




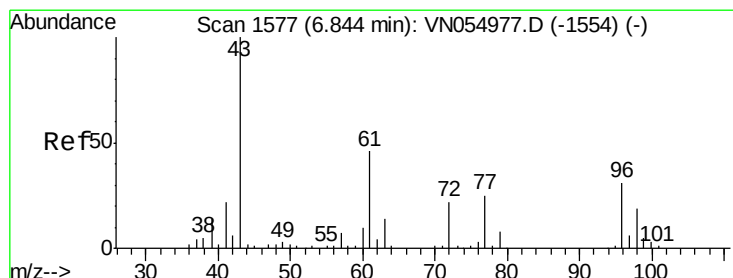
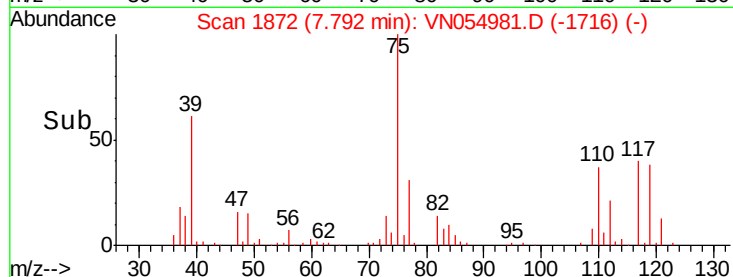
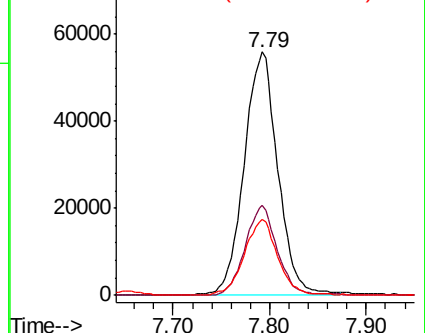
#29
 1,1-Dichloropropene
 Concen: 20.168 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN041119

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	0.0	68.4
77	30.8	0.0	58.6

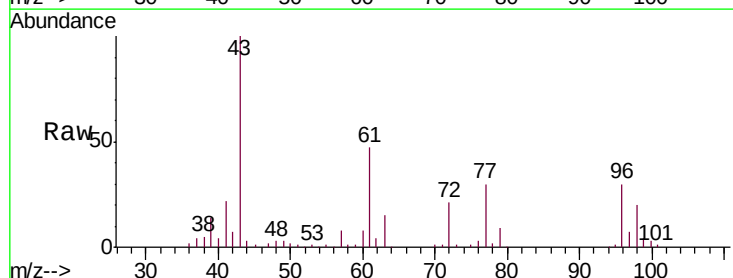


Abundance Ion 75.00 (74.70 to 75.70): VN054977.D (-1848) (-)

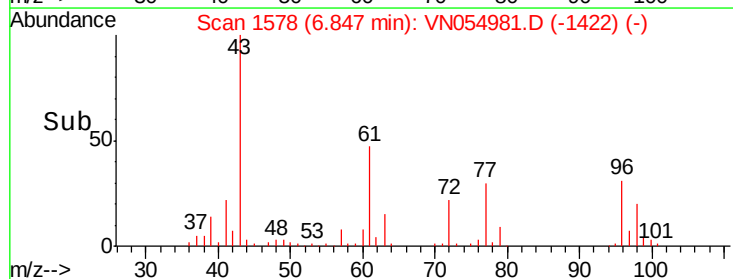
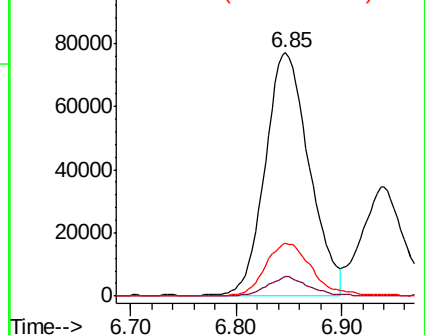


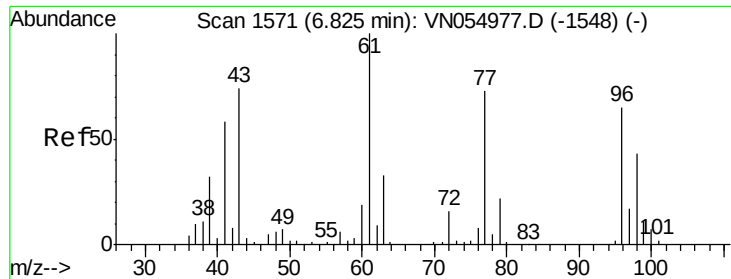
#30
 2-Butanone
 Concen: 100.186 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.5	6.0	9.0
72	22.8	18.6	27.8



Abundance Ion 43.00 (42.70 to 43.70): VN054977.D (-1554) (-)

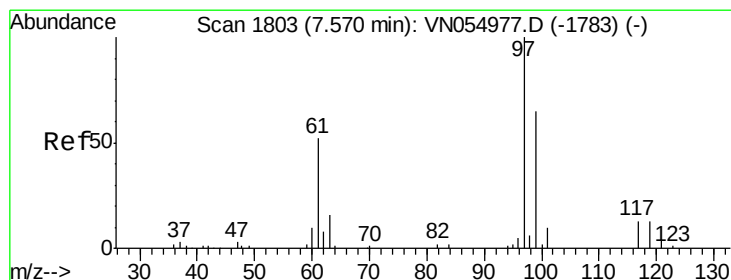
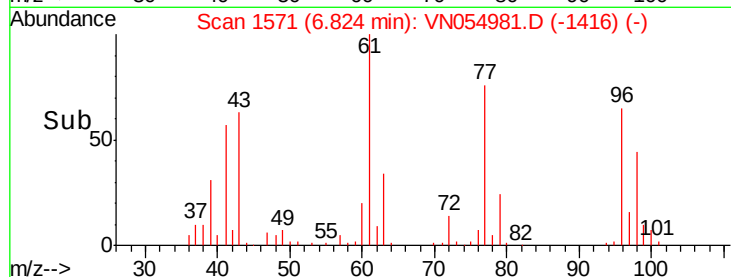
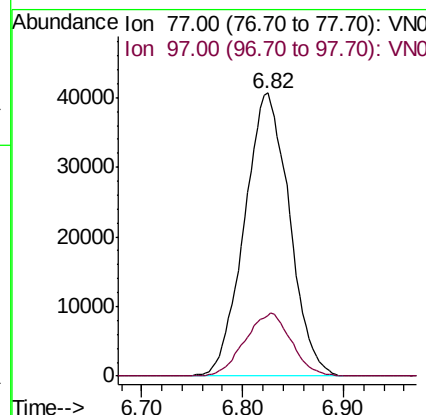
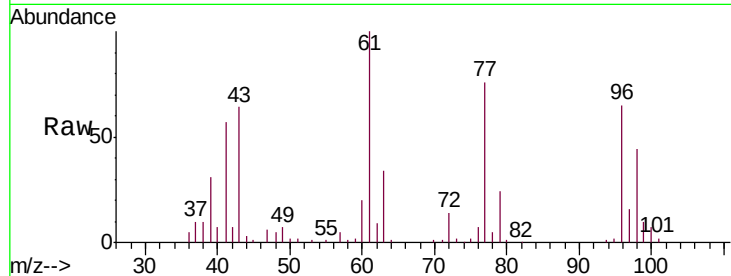




#31
 2,2-Dichloropropane
 Concen: 20.400 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

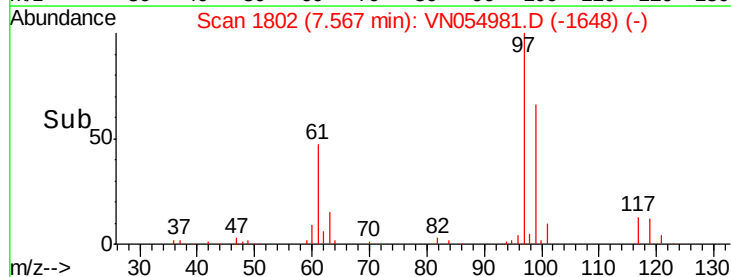
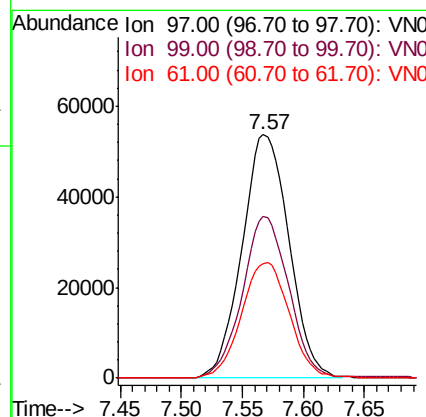
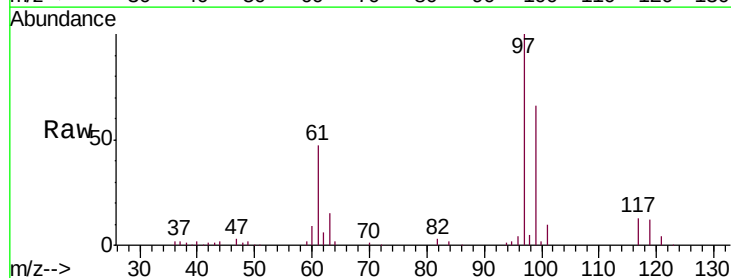
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041119

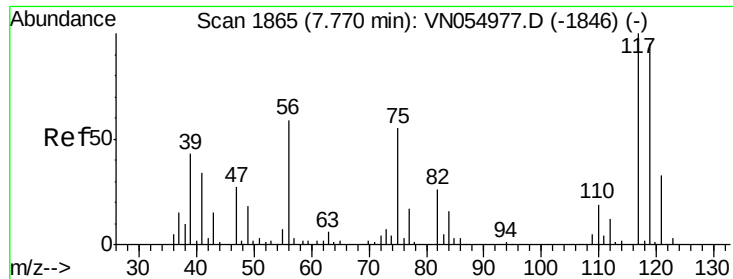
Tgt Ion: 77 Resp: 125945
 Ion Ratio Lower Upper
 77 100
 97 22.9 0.0 0.0#



#32
 1,1,1-Trichloroethane
 Concen: 20.178 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Tgt Ion: 97 Resp: 143066
 Ion Ratio Lower Upper
 97 100
 99 65.5 51.2 76.8
 61 48.6 40.6 60.8





#33

Carbon Tetrachloride

Concen: 19.569 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

ICVFN041119

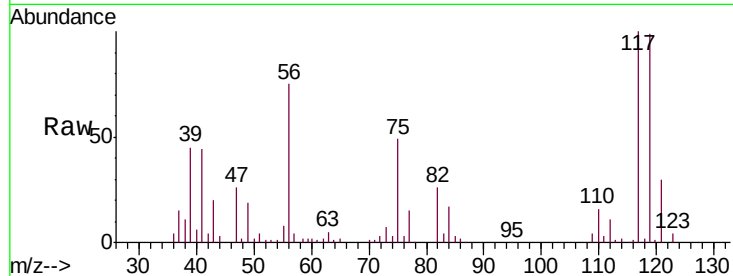
Tgt Ion:117 Resp: 120126

Ion Ratio Lower Upper

117 100

119 99.1 76.1 114.1

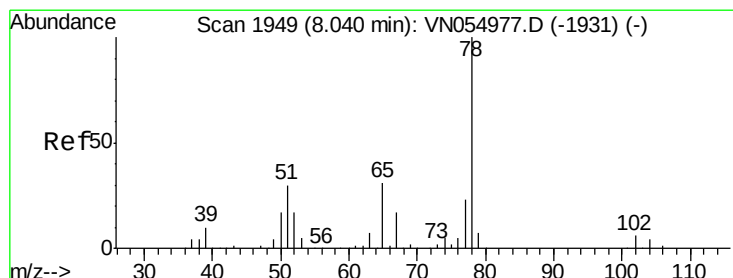
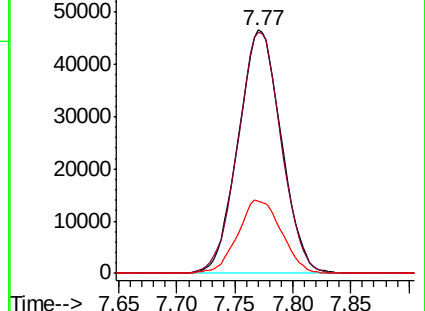
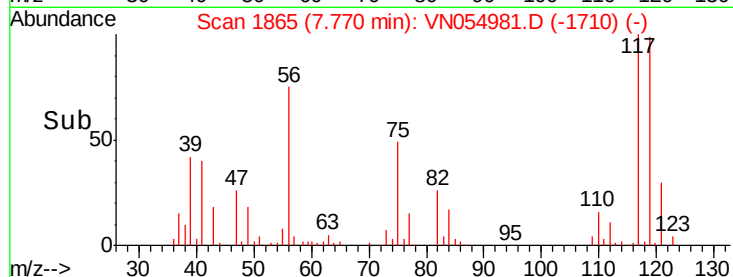
121 29.8 26.2 39.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 19.982 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

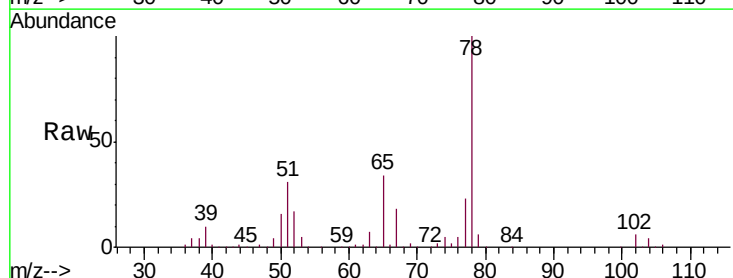
Tgt Ion: 78 Resp: 397213

Ion Ratio Lower Upper

78 100

77 22.7 18.2 27.4

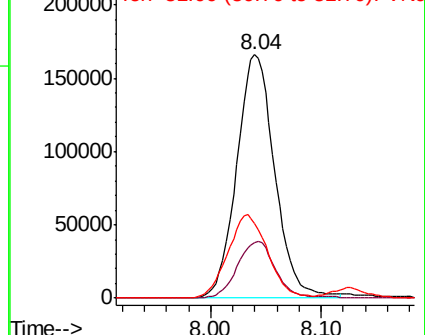
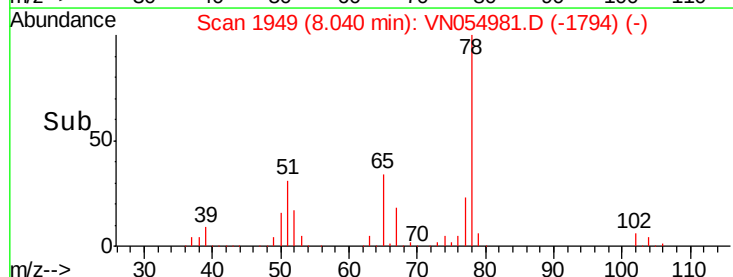
51 30.5 23.7 35.5

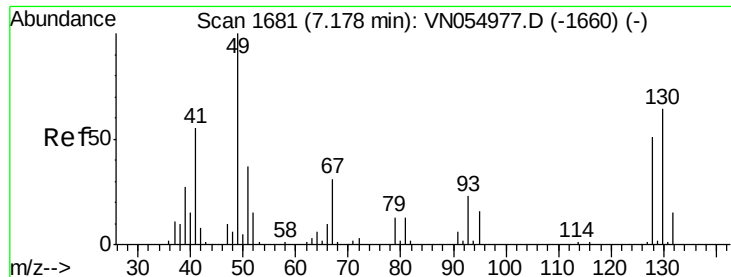


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

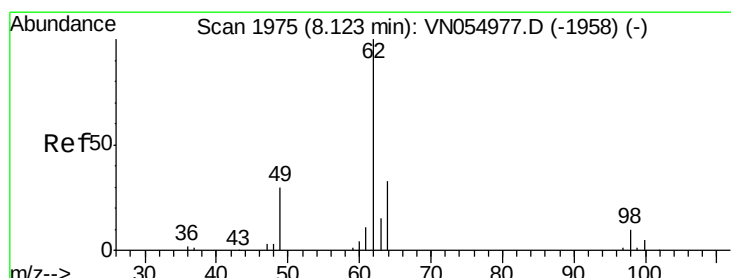
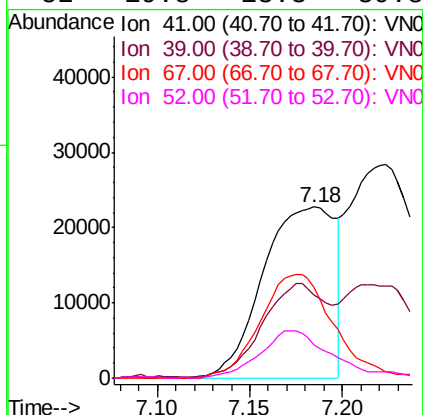
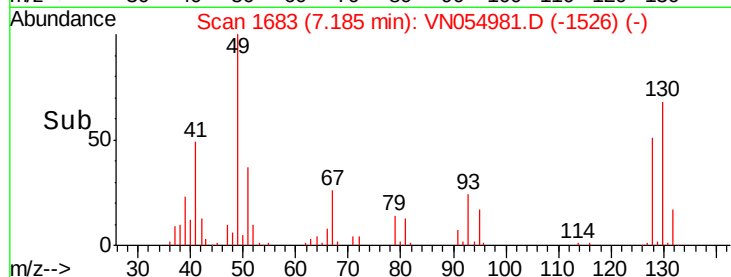
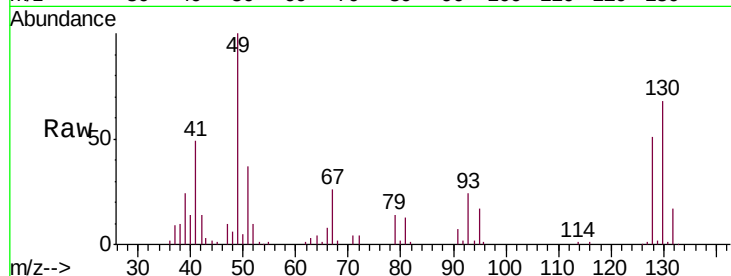




#35
Methacrylonitrile
Concen: 23.503 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

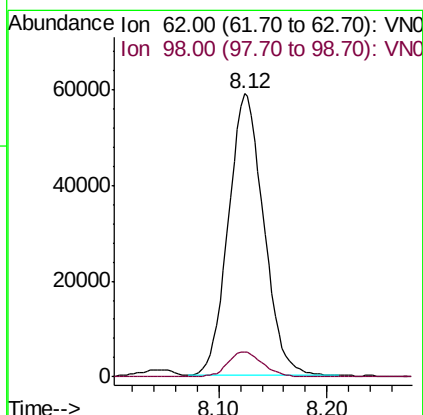
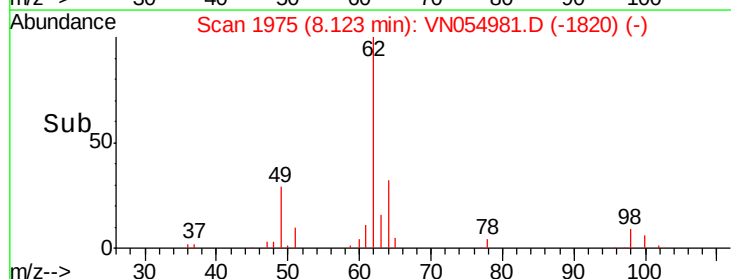
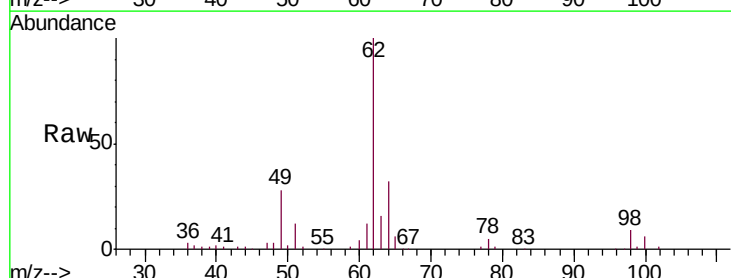
Instrument :
MSVOA_N
ClientSampled :
ICVVN041119

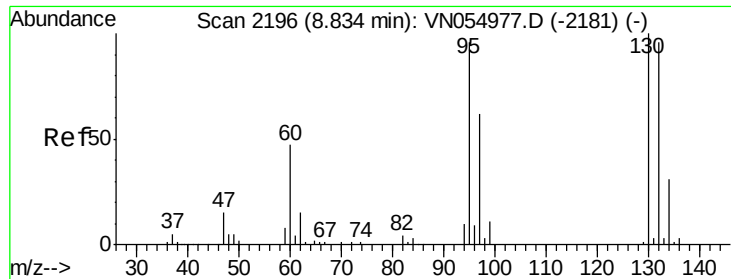
Tgt Ion:	41	Resp:	61681
Ion	Ratio	Lower	Upper
41	100		
39	47.9	24.2	72.6
67	53.1	28.1	84.2
52	19.8	13.3	39.8



#36
1,2-Dichloroethane
Concen: 19.705 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion:	62	Resp:	133871
Ion	Ratio	Lower	Upper
62	100		
98	8.8	6.9	10.3

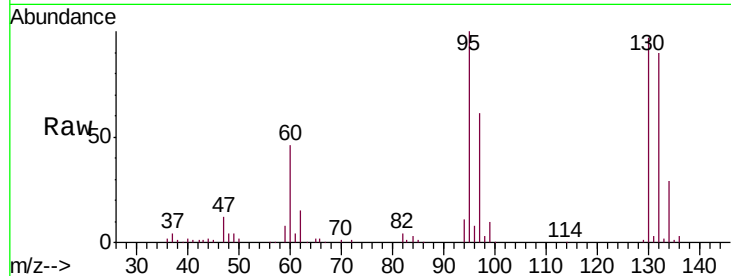




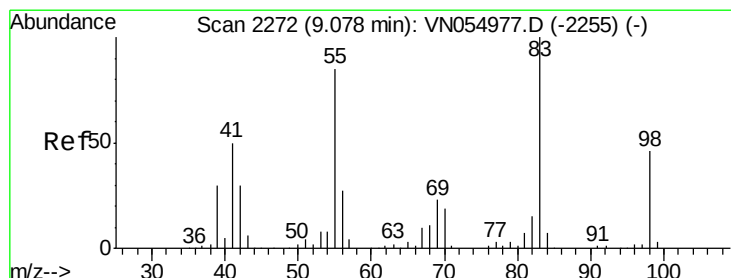
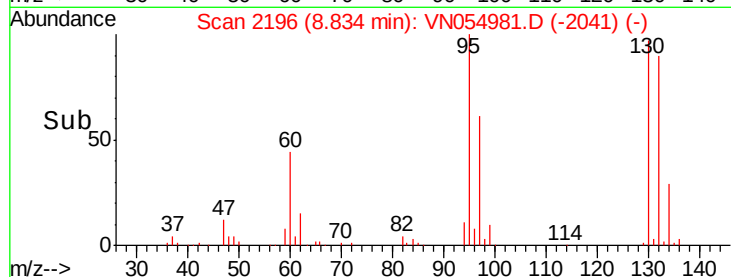
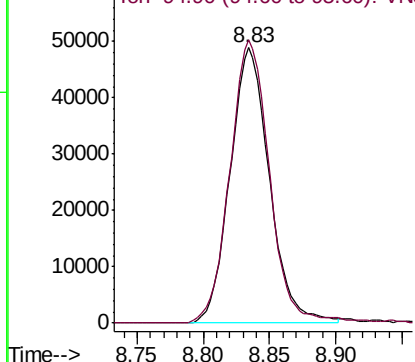
#37
 Trichloroethene
 Concen: 19.919 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041119

Tgt Ion:130 Resp: 100941
 Ion Ratio Lower Upper
 130 100
 95 102.5 76.6 115.0

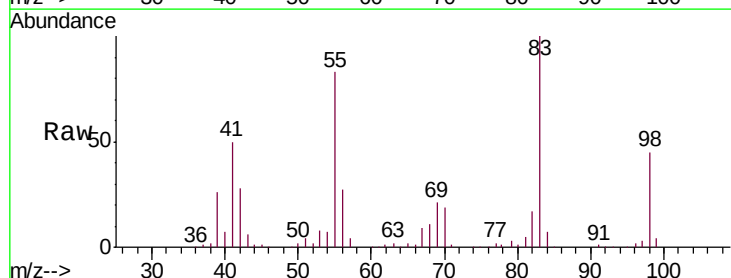


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

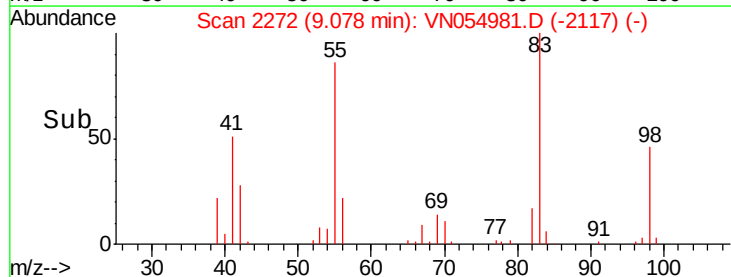
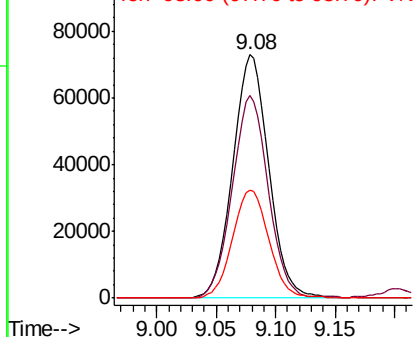


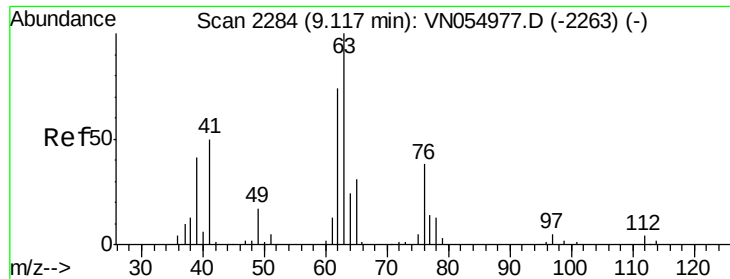
#38
 Methylcyclohexane
 Concen: 19.654 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Tgt Ion: 83 Resp: 152889
 Ion Ratio Lower Upper
 83 100
 55 83.2 41.9 125.6
 98 44.9 22.4 67.0



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





#39

1,2-Dichloropropane

Concen: 19.824 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

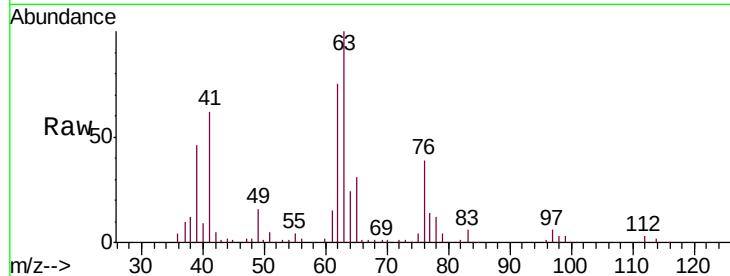
ICV041119

Tgt Ion: 63 Resp: 108812

Ion Ratio Lower Upper

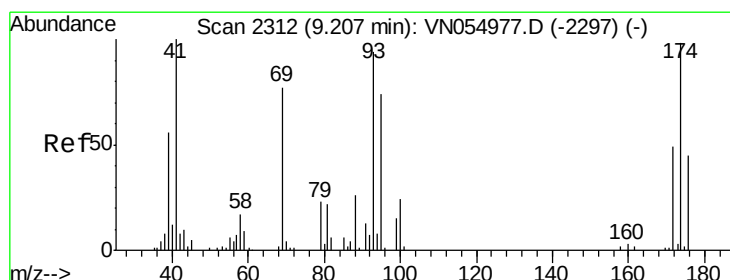
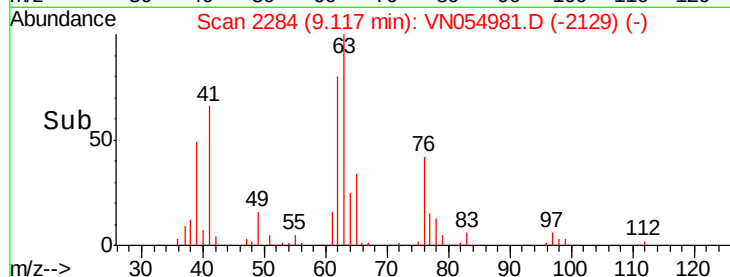
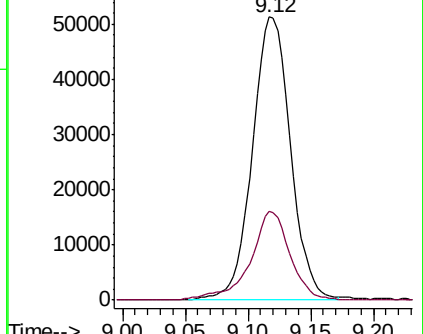
63 100

65 31.0 24.8 37.2



Abundance Ion 63.00 (62.70 to 63.70): VN054977.D (-2263) (-)

Ion 65.00 (64.70 to 65.70): VN054977.D (-2263) (-)



#40

Dibromomethane

Concen: 20.134 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

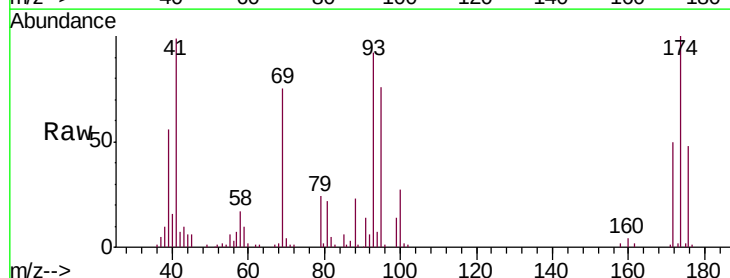
Tgt Ion: 93 Resp: 62467

Ion Ratio Lower Upper

93 100

95 82.9 0.0 160.8

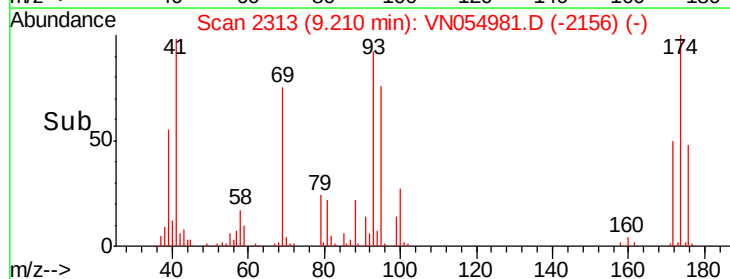
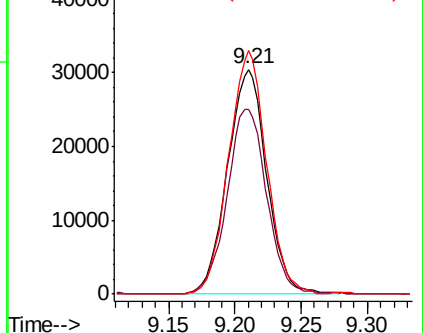
174 104.8 0.0 206.4

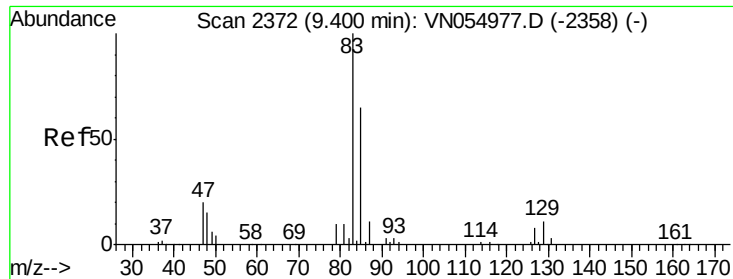


Abundance Ion 93.00 (92.70 to 93.70): VN054977.D (-2297) (-)

Ion 95.00 (94.70 to 95.70): VN054977.D (-2297) (-)

Ion 174.00 (173.70 to 174.70): VN054977.D (-2297) (-)

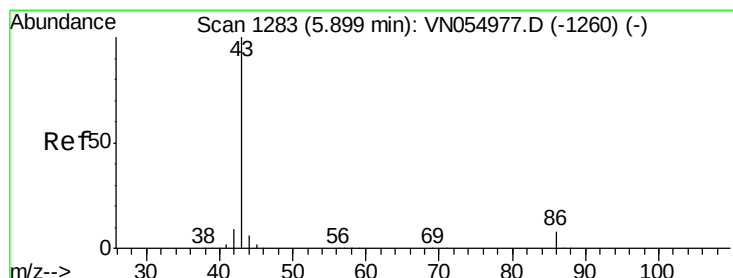
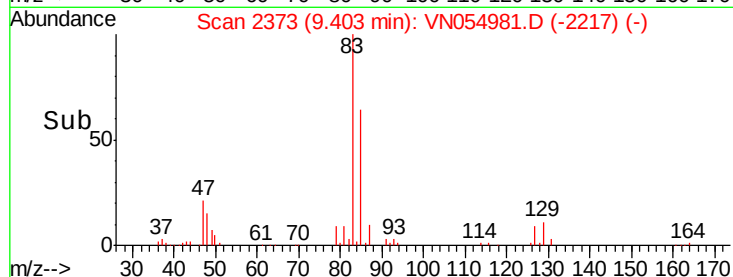
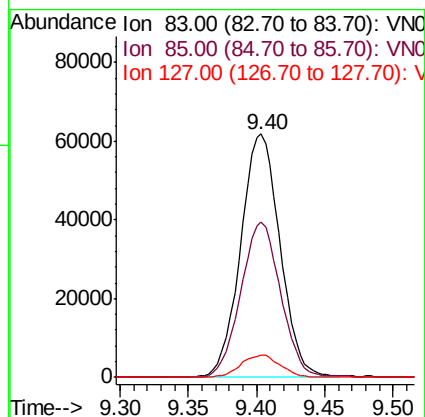
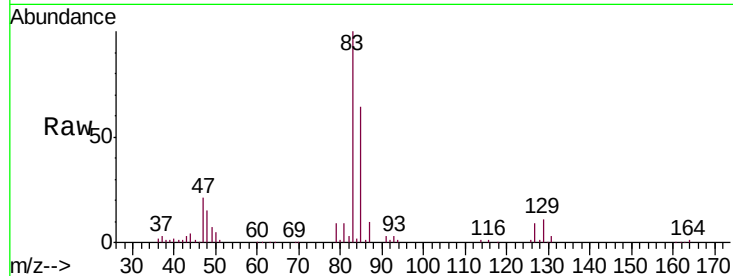




#41
 Bromodichloromethane
 Concen: 19.365 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

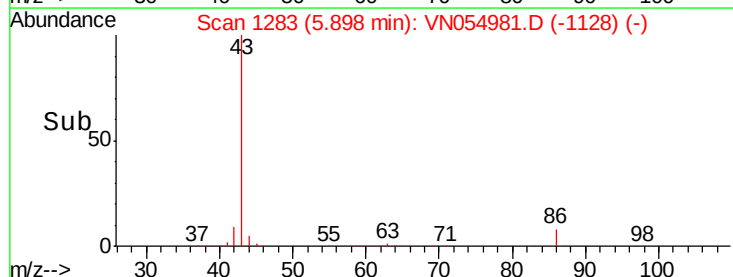
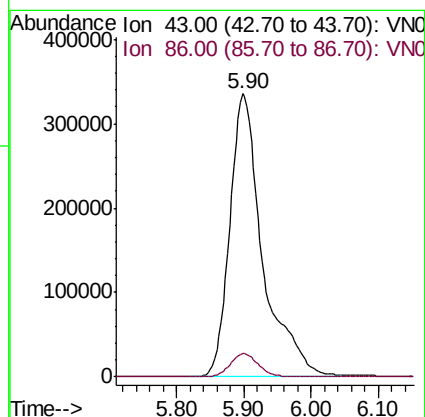
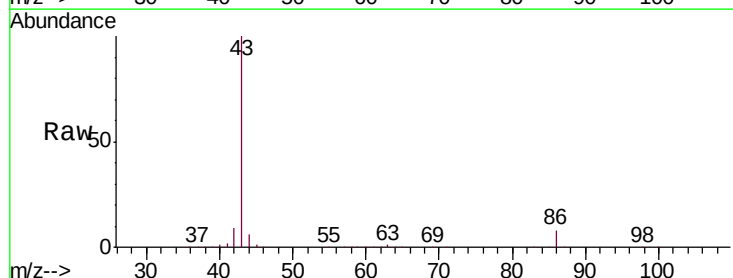
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041119

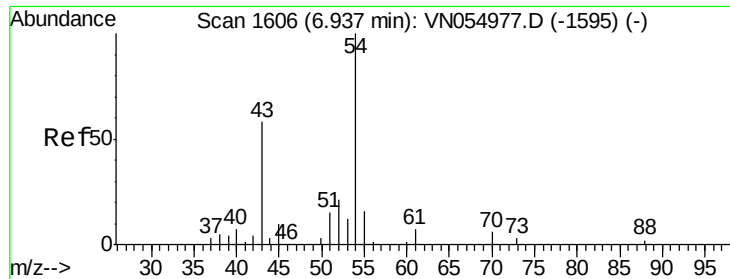
Tgt Ion: 83 Resp: 123997
 Ion Ratio Lower Upper
 83 100
 85 64.0 52.0 78.0
 127 9.2 7.2 10.8



#42
 Vinyl Acetate
 Concen: 101.501 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Tgt Ion: 43 Resp: 1142590
 Ion Ratio Lower Upper
 43 100
 86 7.1 5.7 8.5





#43

Ethyl Acetate

Concen: 19.167 ug/l

RT: 6.94 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

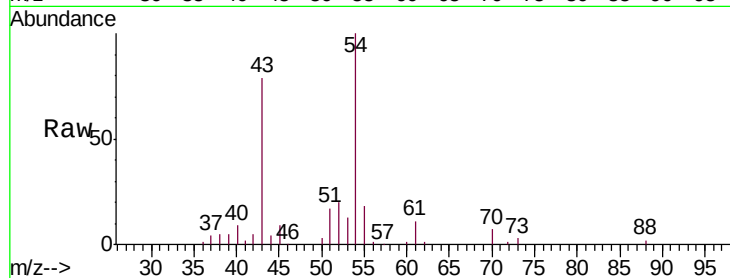
ICVVN041119

Tgt Ion: 43 Resp: 86945

Ion Ratio Lower Upper

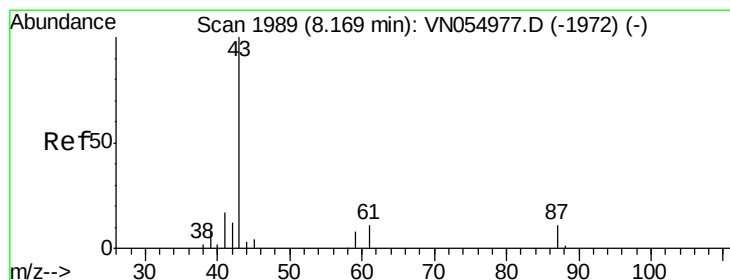
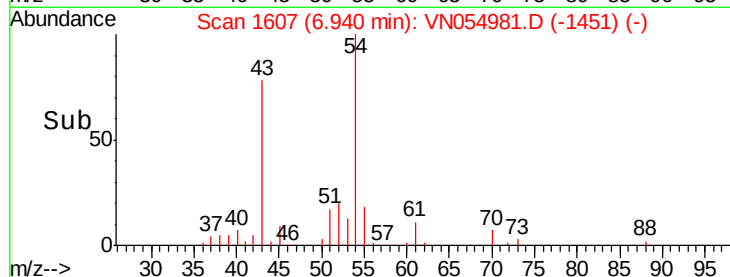
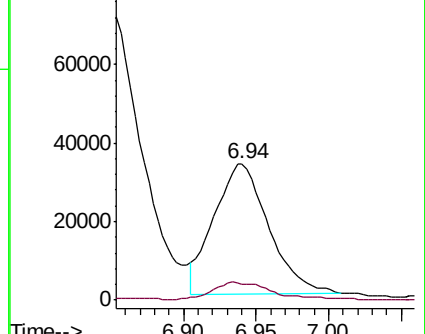
43 100

45 7.8 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 20.183 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054981.D

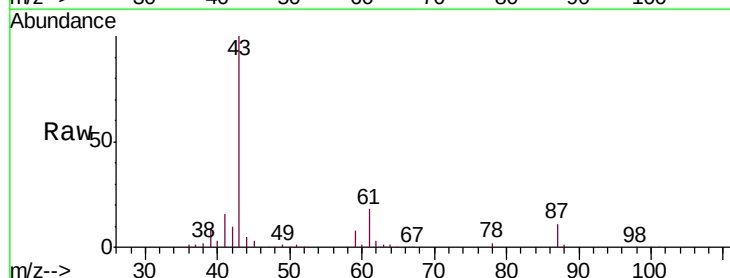
Acq: 11 Apr 2019 16:39

Tgt Ion: 43 Resp: 155157

Ion Ratio Lower Upper

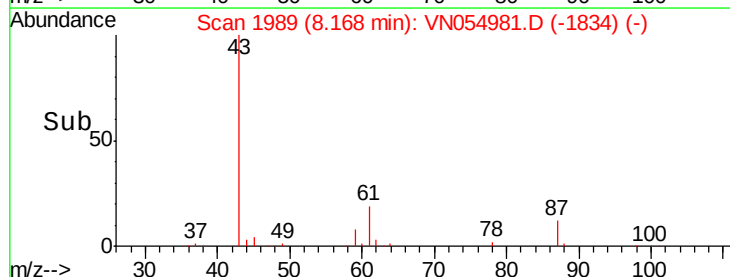
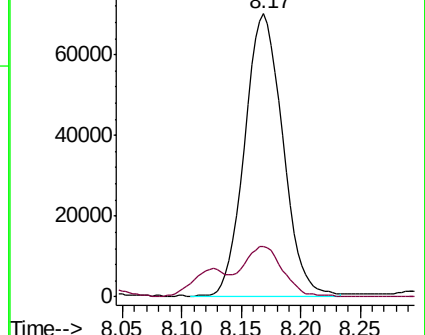
43 100

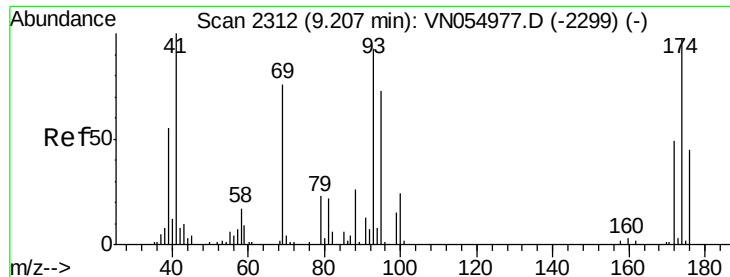
61 16.6 14.8 22.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 421.564 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041119

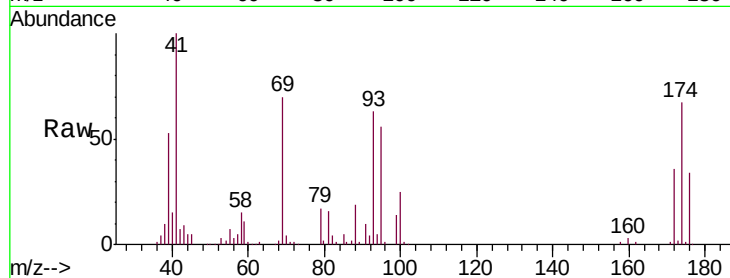
Tgt Ion: 88 Resp: 17954

Ion Ratio Lower Upper

88 100

43 37.3 34.5 51.7

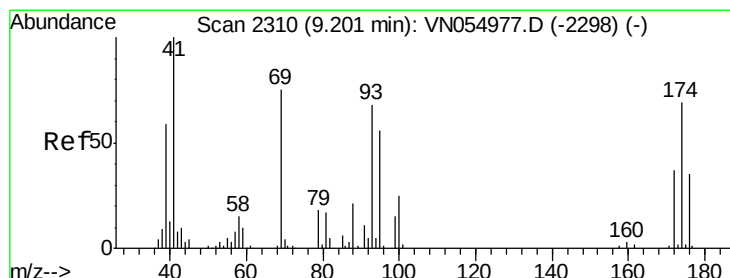
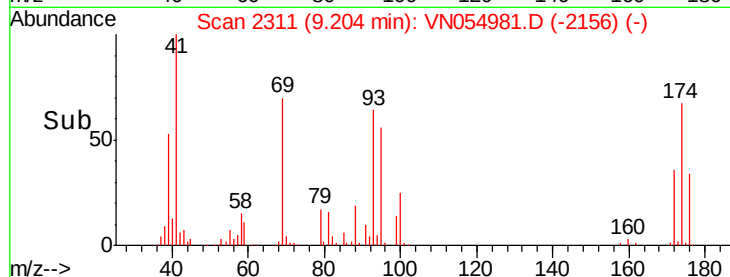
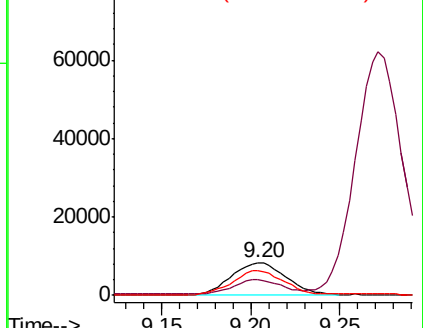
58 73.2 60.3 90.5



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 19.983 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

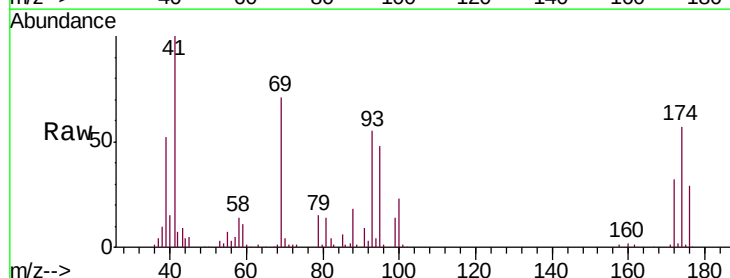
Tgt Ion: 41 Resp: 79467

Ion Ratio Lower Upper

41 100

69 71.9 37.3 111.9

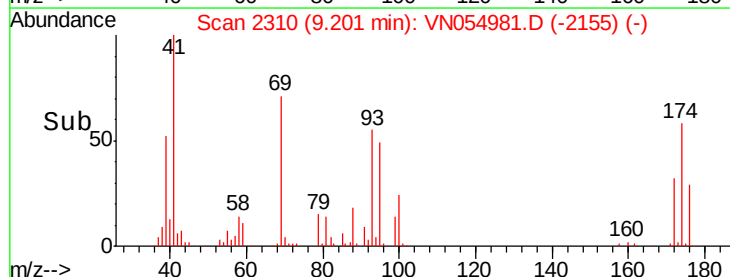
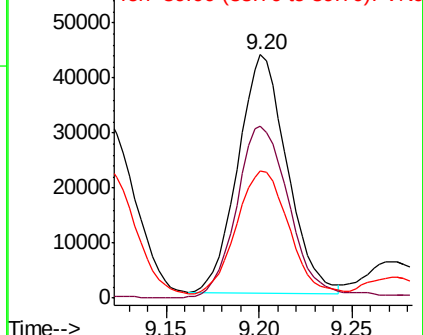
39 51.5 29.4 88.2

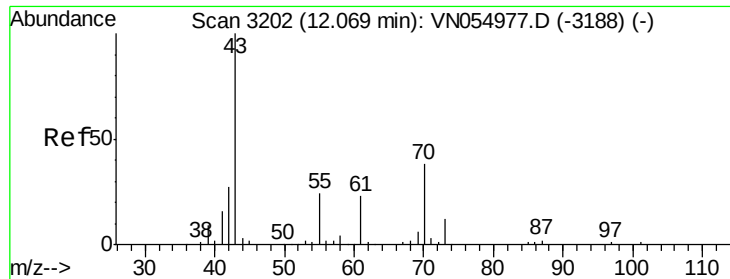


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

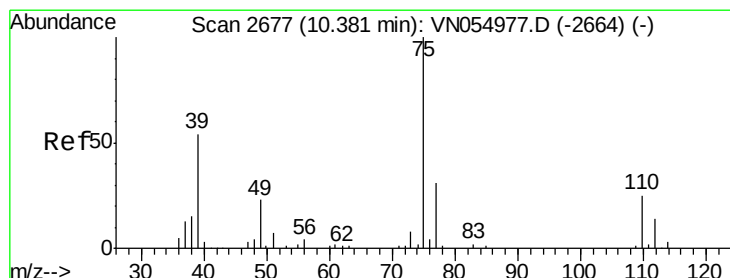
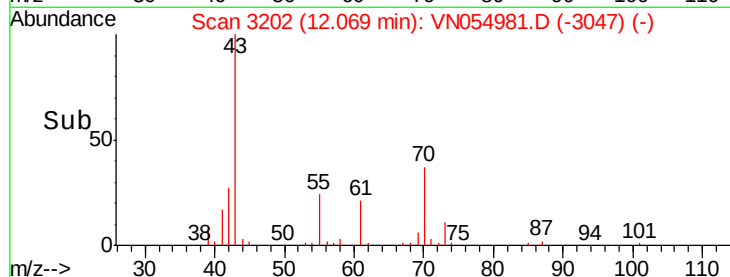
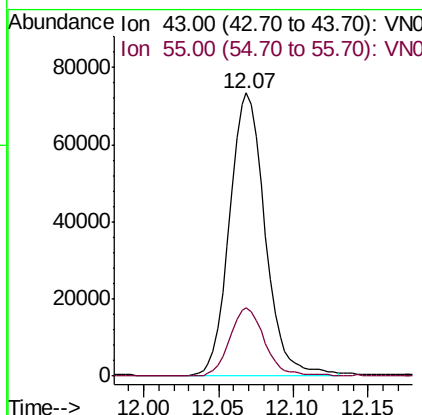
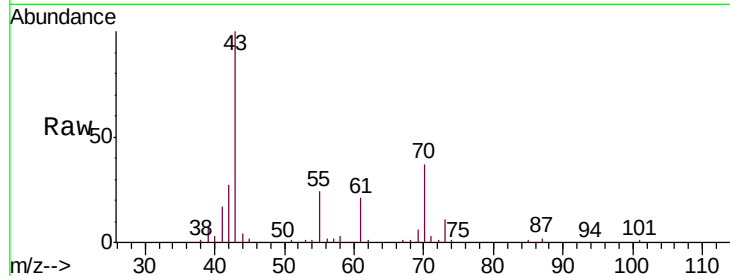




#47
n-amyl Acetate
Concen: 21.276 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

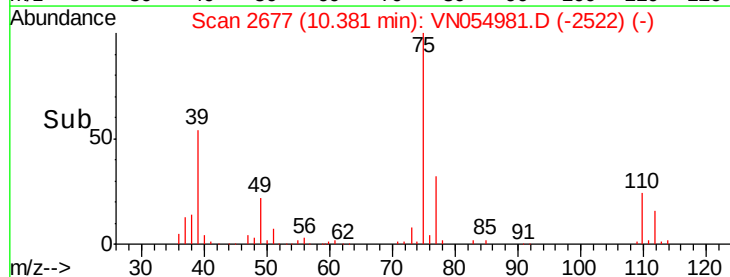
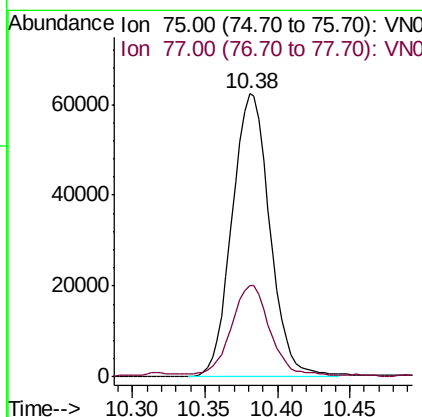
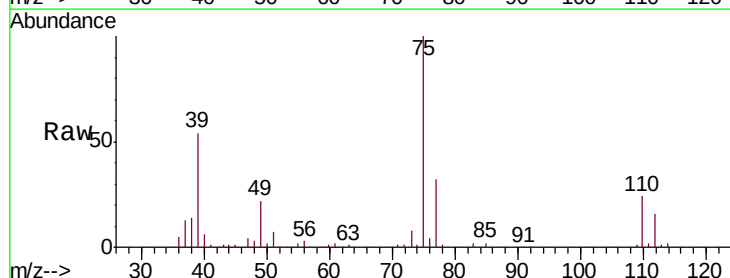
Instrument :
MSVOA_N
ClientSampleId :
ICVVN041119

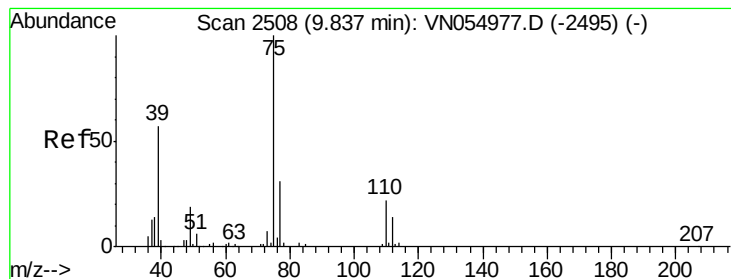
Tgt Ion: 43 Resp: 120469
Ion Ratio Lower Upper
43 100
55 23.5 19.8 29.6



#48
t-1,3-Dichloropropene
Concen: 19.270 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion: 75 Resp: 113304
Ion Ratio Lower Upper
75 100
77 31.5 24.6 37.0



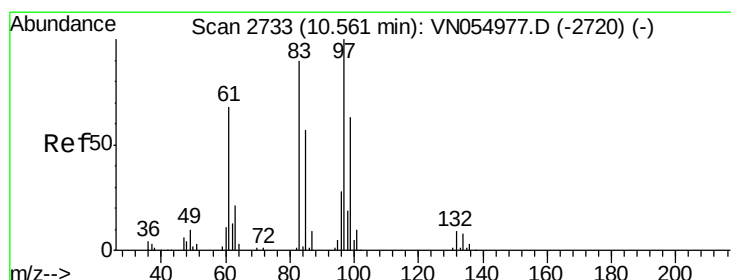
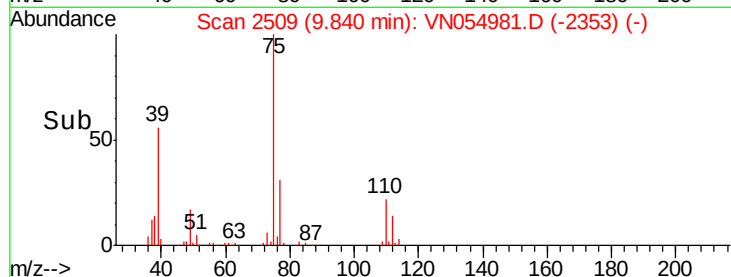
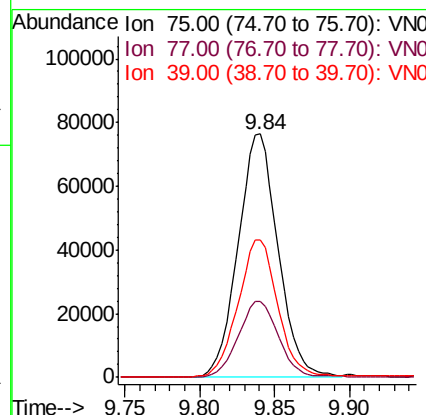
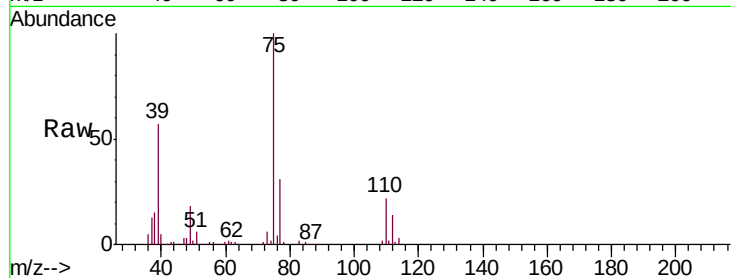


#49

cis-1,3-Dichloropropene
 Concen: 19.582 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041119

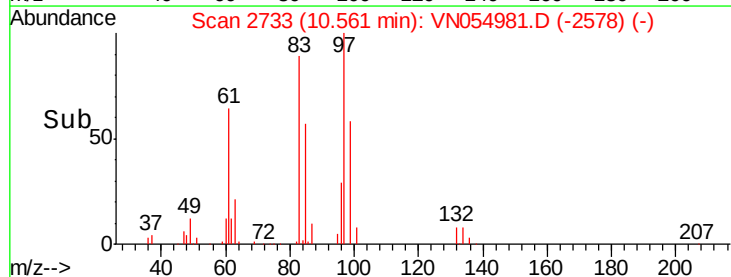
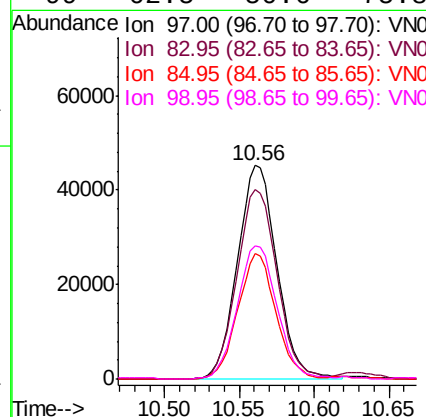
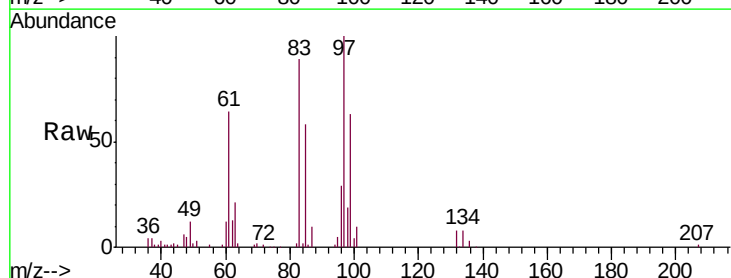
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.7	37.1
39	56.3	45.3	67.9

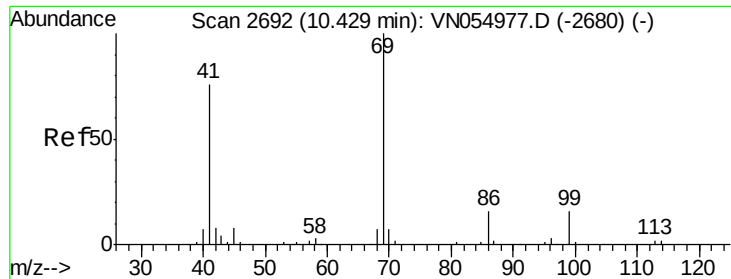


#50

1,1,2-Trichloroethane
 Concen: 19.722 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.6	72.1	108.1
85	58.5	45.4	68.0
99	62.5	50.6	75.8





#51

Ethyl methacrylate

Concen: 19.992 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041119

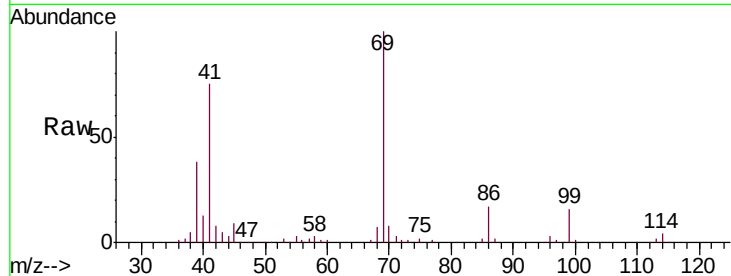
Tgt Ion: 69 Resp: 100423

Ion Ratio Lower Upper

69 100

41 74.2 37.9 113.7

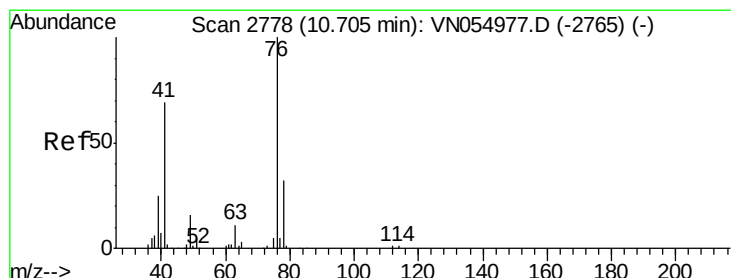
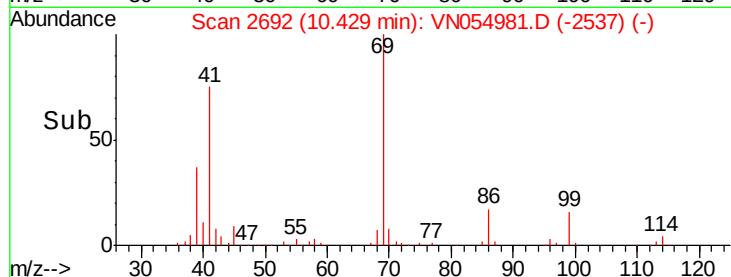
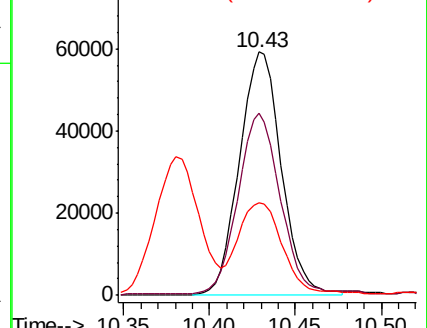
39 36.6 19.8 59.4



Abundance Ion 69.00 (68.70 to 69.70): VN054977.D (-2680) (-)

Ion 41.00 (40.70 to 41.70): VN054977.D (-2680) (-)

Ion 39.00 (38.70 to 39.70): VN054977.D (-2680) (-)



#52

1,3-Dichloropropane

Concen: 20.235 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054981.D

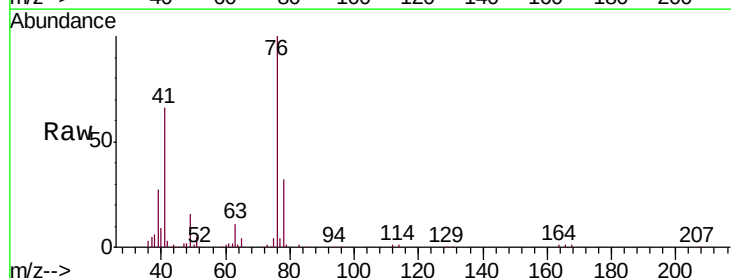
Acq: 11 Apr 2019 16:39

Tgt Ion: 76 Resp: 149415

Ion Ratio Lower Upper

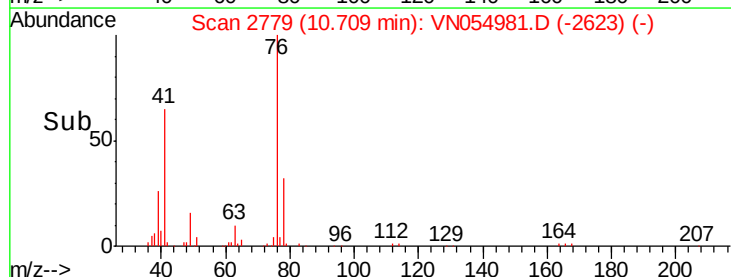
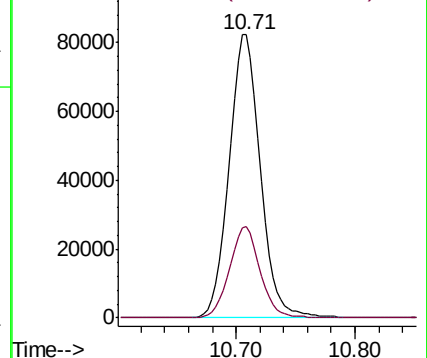
76 100

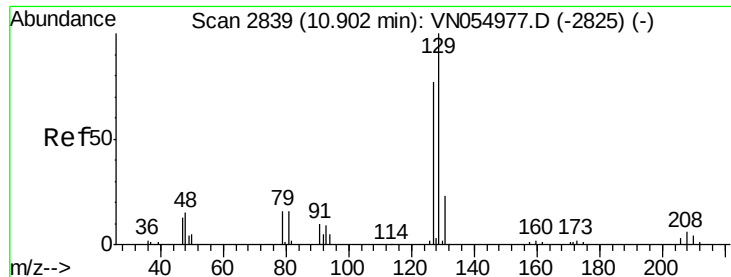
78 31.5 0.0 64.4



Abundance Ion 76.00 (75.70 to 76.70): VN054977.D (-2765) (-)

Ion 78.00 (77.70 to 78.70): VN054977.D (-2765) (-)





#53

Dibromochloromethane

Concen: 19.239 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

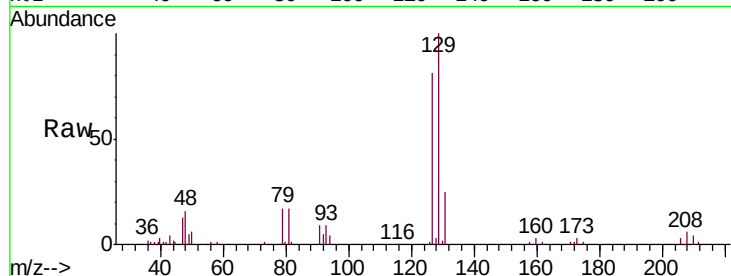
ICVVN041119

Tgt Ion:129 Resp: 83507

Ion Ratio Lower Upper

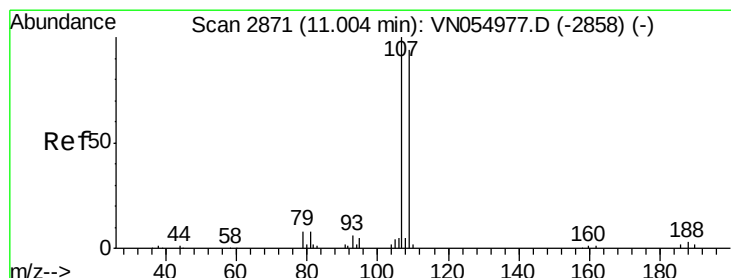
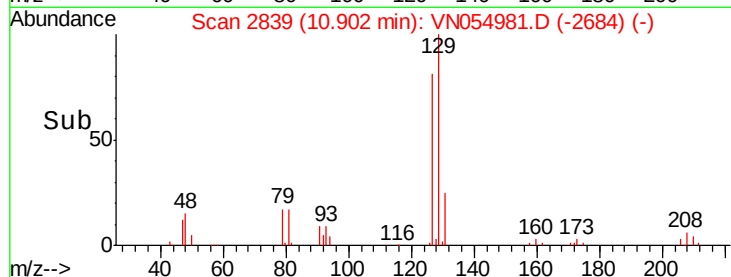
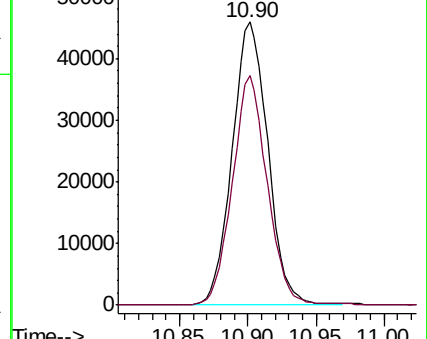
129 100

127 78.9 37.8 113.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.186 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN054981.D

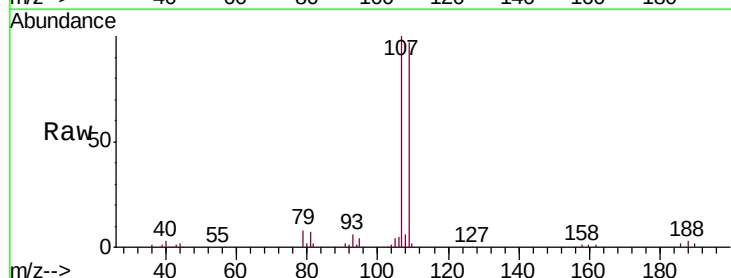
Acq: 11 Apr 2019 16:39

Tgt Ion:107 Resp: 79856

Ion Ratio Lower Upper

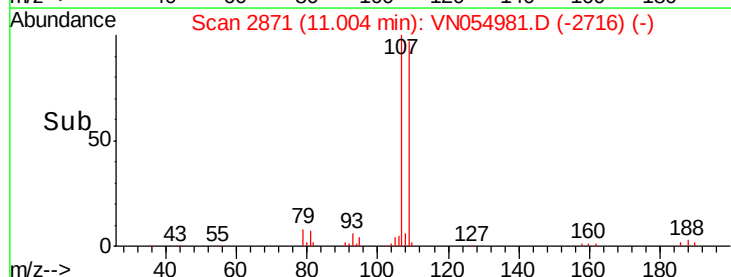
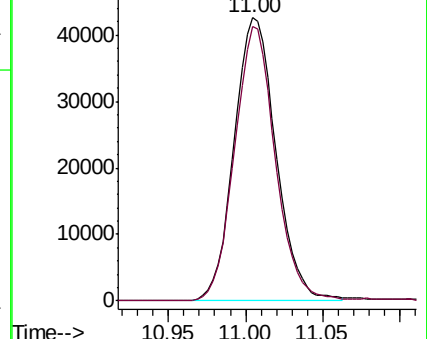
107 100

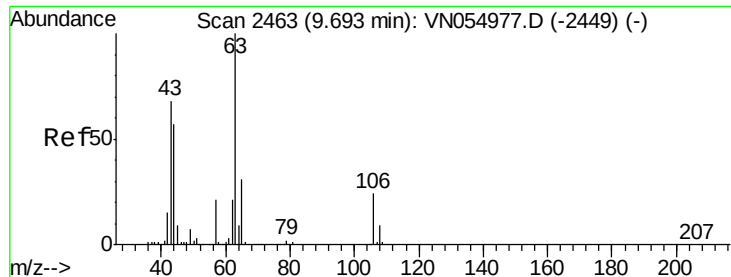
109 94.3 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 90.352 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Instrument :

MSVOA_N

ClientSampled :

ICVVN041119

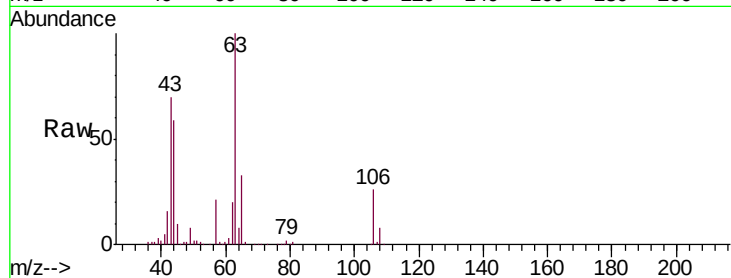
Tgt Ion: 63 Resp: 189739

Ion Ratio Lower Upper

63 100

65 31.9 25.4 38.0

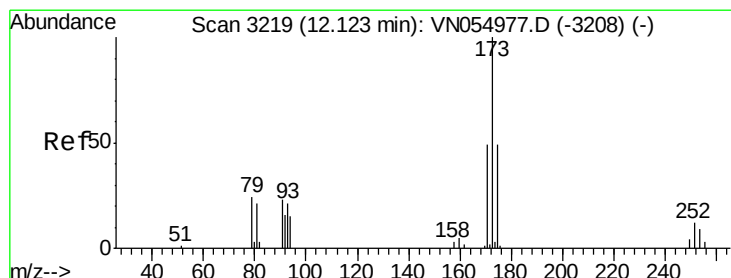
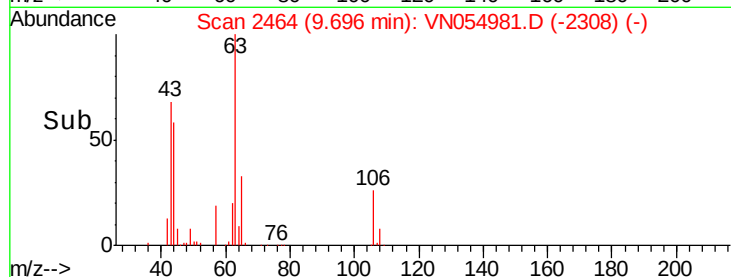
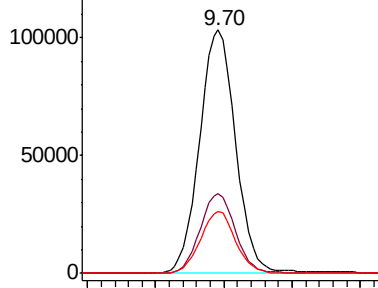
106 24.6 19.8 29.6



Abundance Ion 63.00 (62.70 to 63.70): VN054977.D (-2449) (-)

Ion 65.00 (64.70 to 65.70): VN054977.D (-2449) (-)

Ion 106.00 (105.70 to 106.70): VN054977.D (-2449) (-)



#56

Bromoform

Concen: 18.934 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

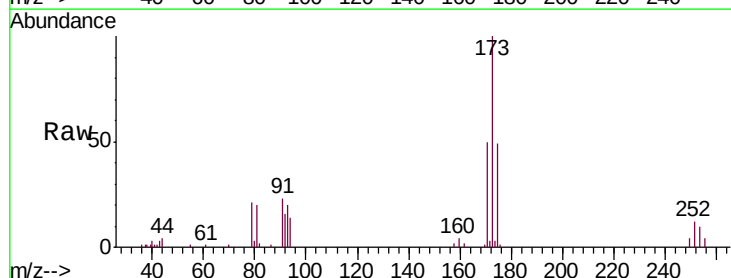
Tgt Ion: 173 Resp: 51642

Ion Ratio Lower Upper

173 100

175 48.4 38.6 57.8

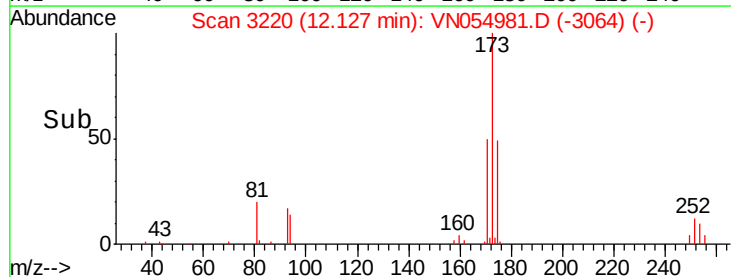
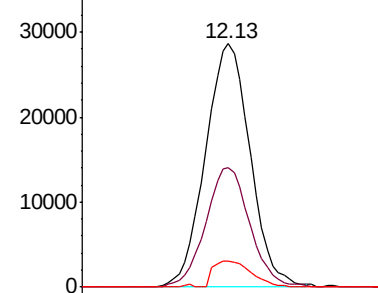
254 9.1 6.8 10.2

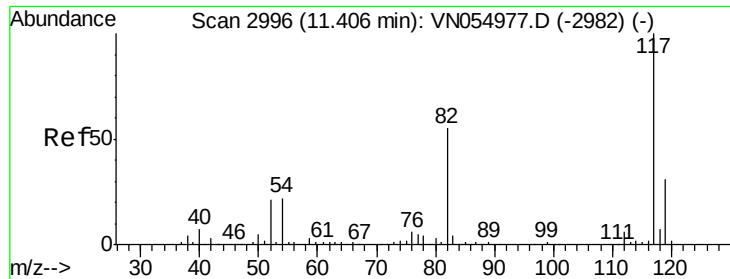


Abundance Ion 173.00 (172.70 to 173.70): VN054977.D (-3208) (-)

Ion 175.00 (174.70 to 175.70): VN054977.D (-3208) (-)

Ion 254.00 (253.70 to 254.70): VN054977.D (-3208) (-)

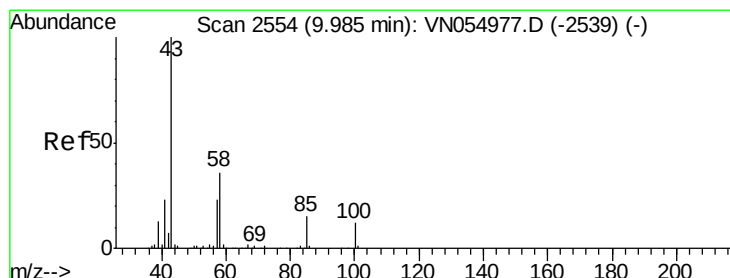
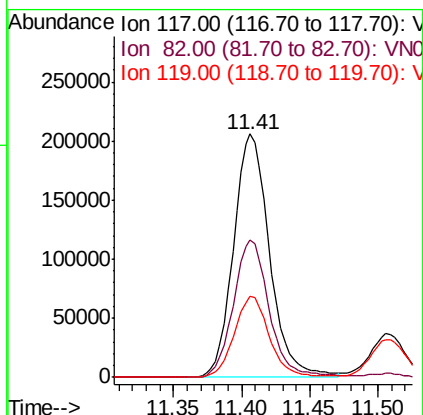
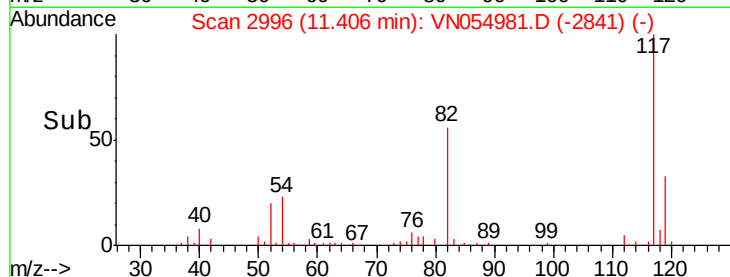
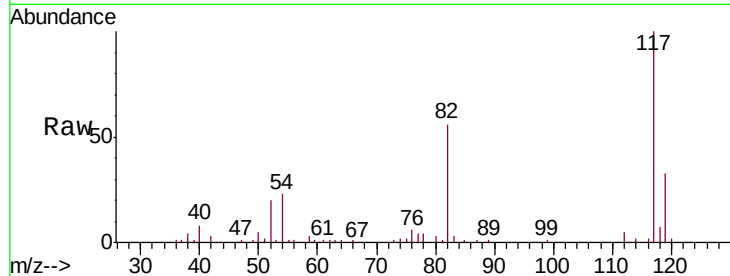




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

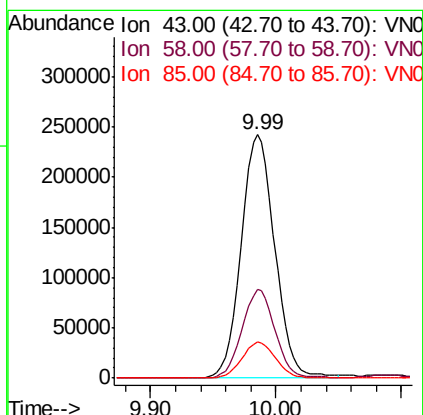
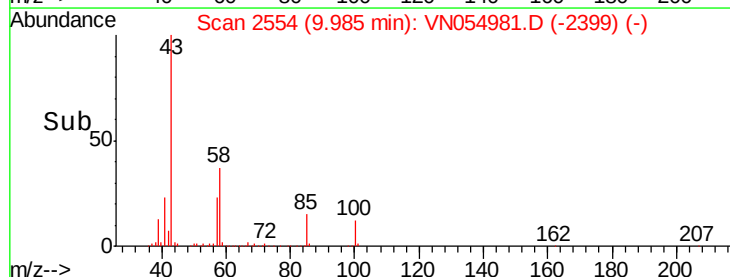
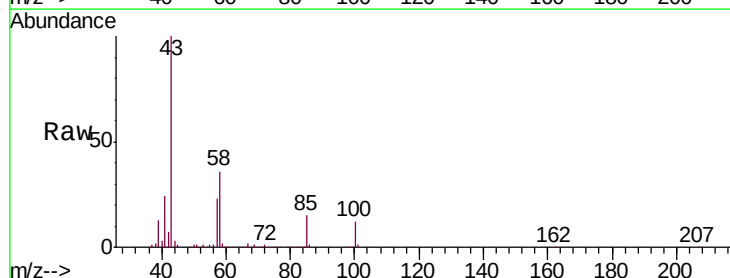
Instrument :
MSVOA_N
ClientSampled :
ICVVN041119

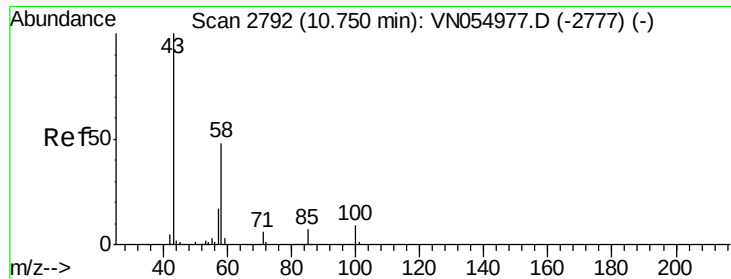
Tgt Ion:117 Resp: 377036
Ion Ratio Lower Upper
117 100
82 56.1 45.2 67.8
119 32.3 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 102.995 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion: 43 Resp: 447826
Ion Ratio Lower Upper
43 100
58 36.0 28.7 43.1
85 14.8 11.8 17.6

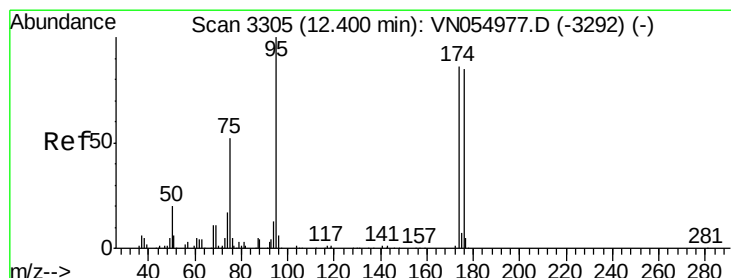
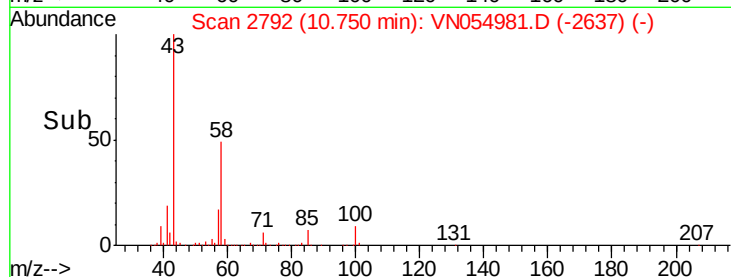
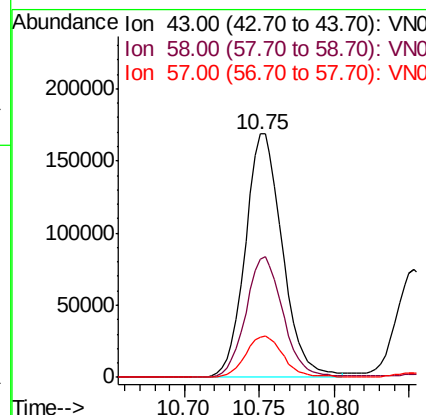
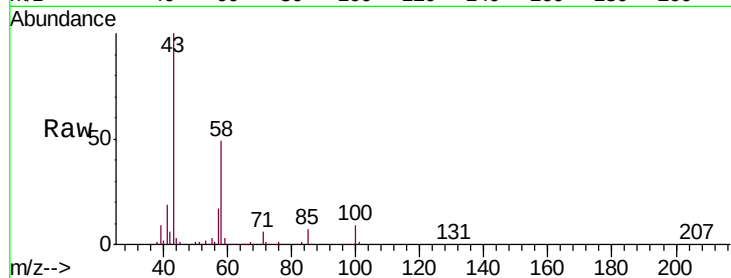




#59
2-Hexanone
Concen: 105.219 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

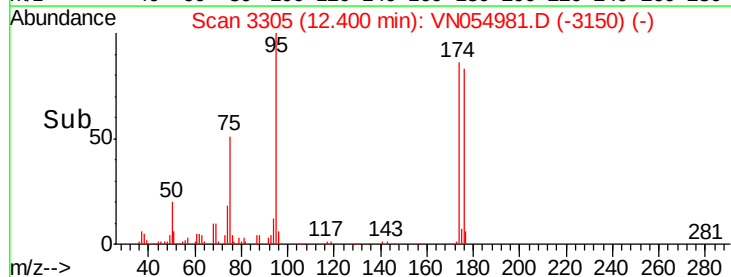
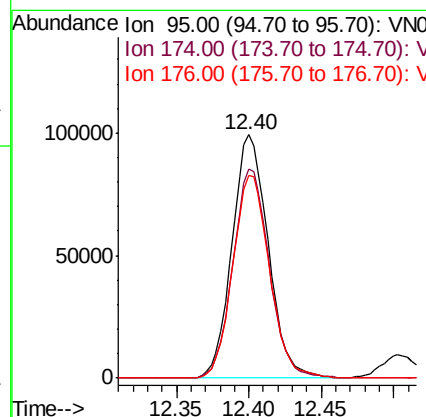
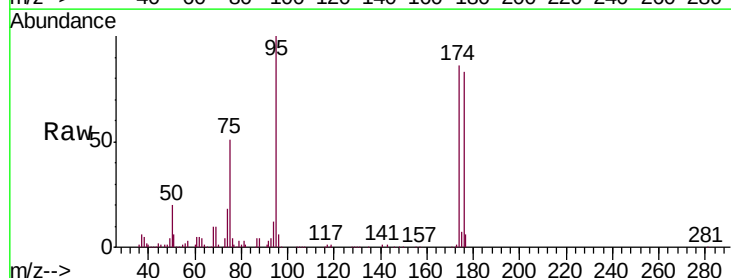
Instrument :
MSVOA_N
ClientSampleId :
ICVVN041119

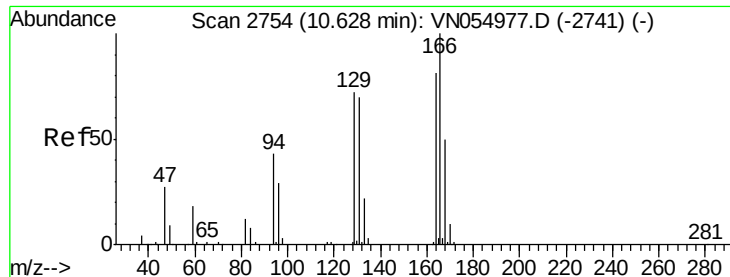
Tgt Ion: 43 Resp: 290636
Ion Ratio Lower Upper
43 100
58 49.7 38.8 58.2
57 17.5 13.8 20.6



#60
4-Bromofluorobenzene
Concen: 105.219 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion: 95 Resp: 172034
Ion Ratio Lower Upper
95 100
174 86.2 69.4 104.2
176 84.7 67.4 101.2

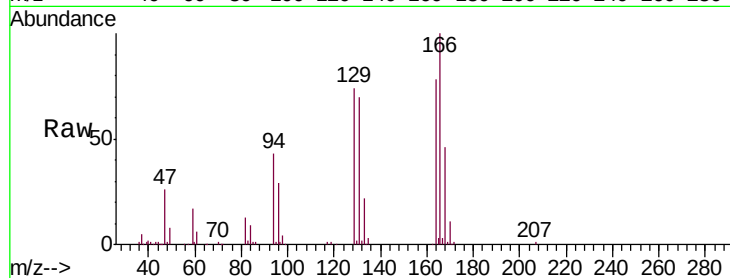




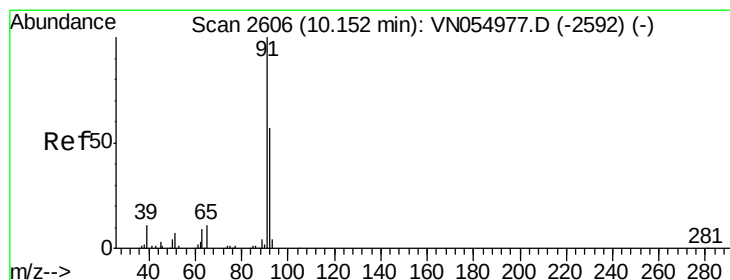
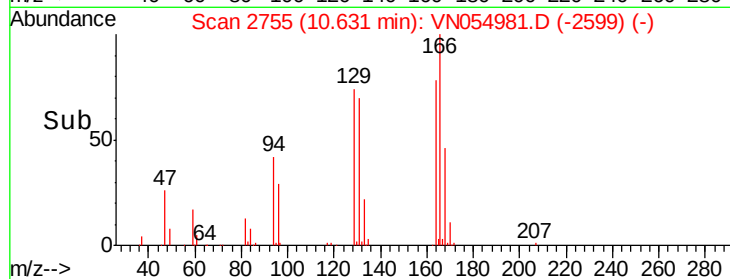
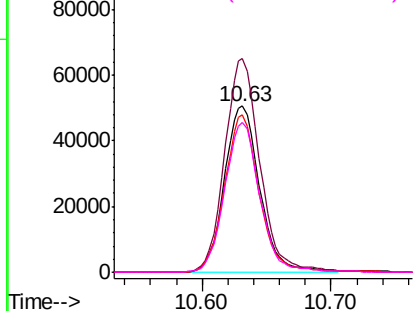
#61
Tetrachloroethene
Concen: 19.602 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041119

Tgt Ion:164 Resp: 96183
Ion Ratio Lower Upper
164 100
166 128.6 99.0 148.4
129 94.5 71.4 107.0
131 89.7 68.8 103.2

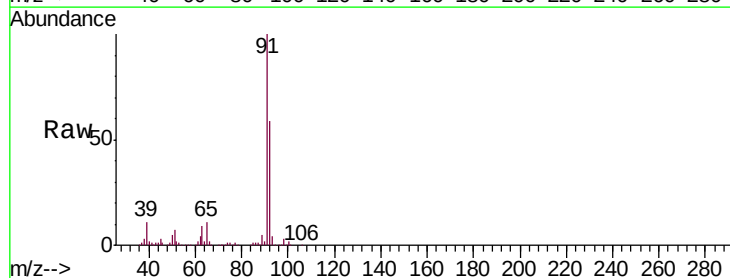


Abundance Ion 163.85 (163.55 to 164.55): V
100000 Ion 165.80 (165.50 to 166.50): V
80000 Ion 128.90 (128.60 to 129.60): V
60000 Ion 130.90 (130.60 to 131.60): V
40000
20000
0

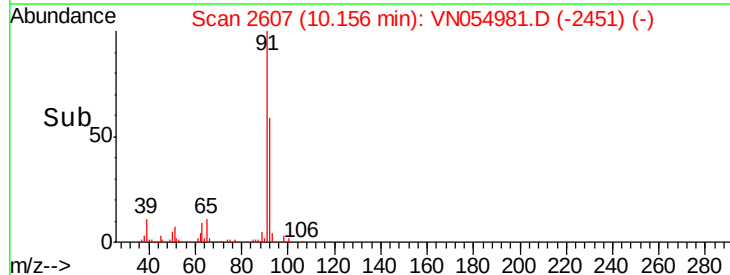
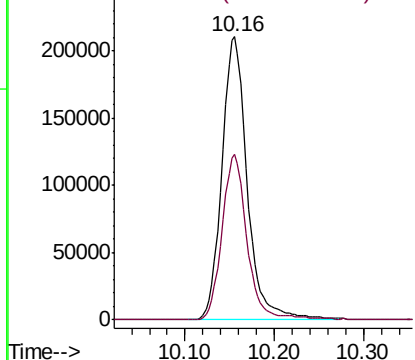


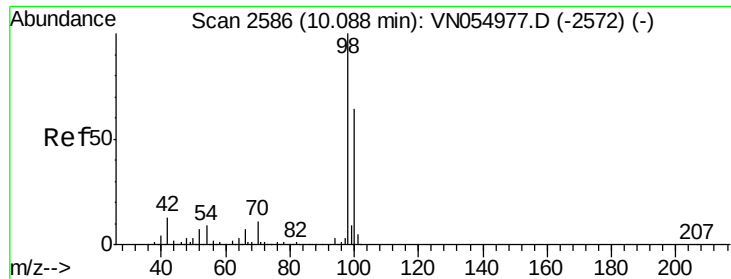
#62
Toluene
Concen: 19.947 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion: 91 Resp: 414397
Ion Ratio Lower Upper
91 100
92 57.9 44.8 67.2



Abundance Ion 91.00 (90.70 to 91.70): V
250000 Ion 92.00 (91.70 to 92.70): V
200000
150000
100000
50000
0





#63

Toluene-d8

Concen: 19.947 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

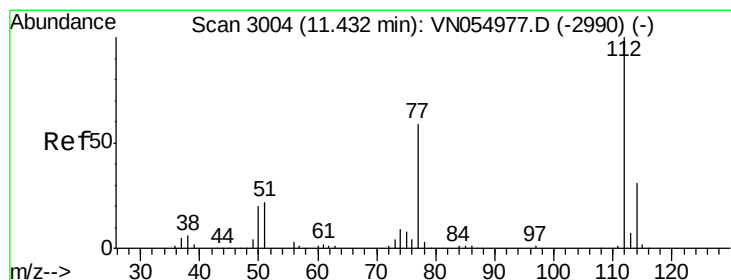
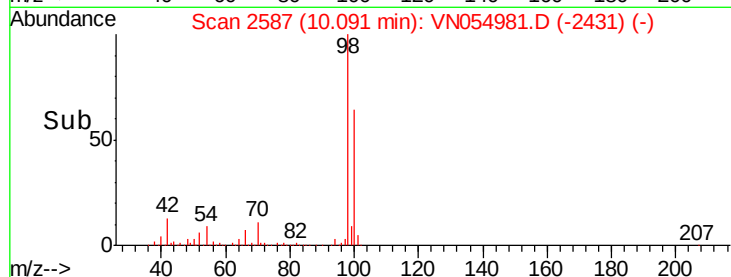
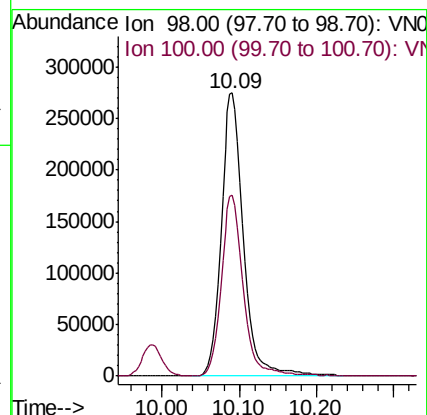
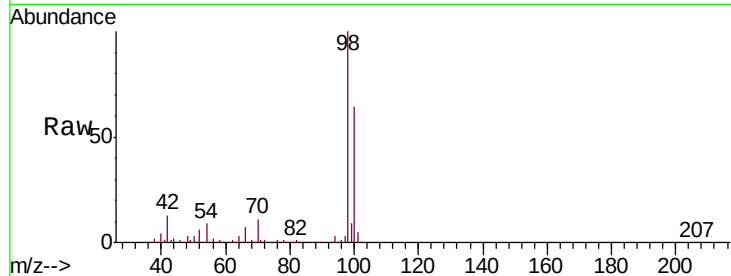
ICVFN041119

Tgt Ion: 98 Resp: 551834

Ion Ratio Lower Upper

98 100

100 62.5 51.1 76.7



#64

Chlorobenzene

Concen: 20.114 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054981.D

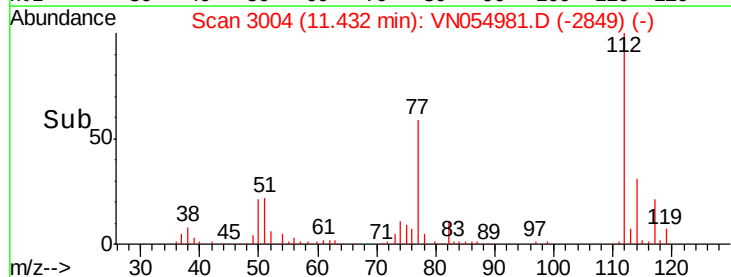
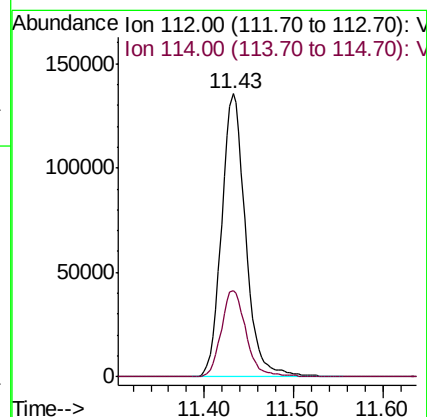
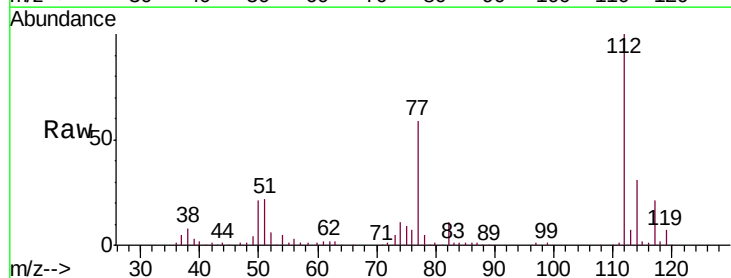
Acq: 11 Apr 2019 16:39

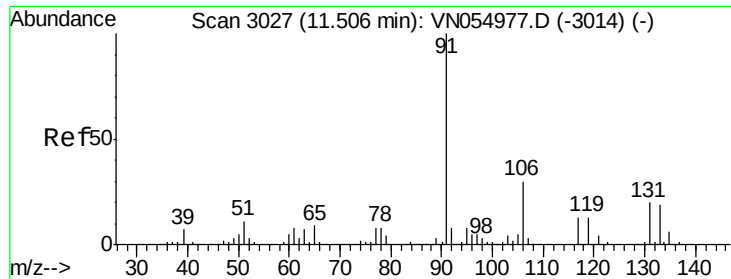
Tgt Ion: 112 Resp: 252270

Ion Ratio Lower Upper

112 100

114 30.7 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 19.595 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

ICV041119

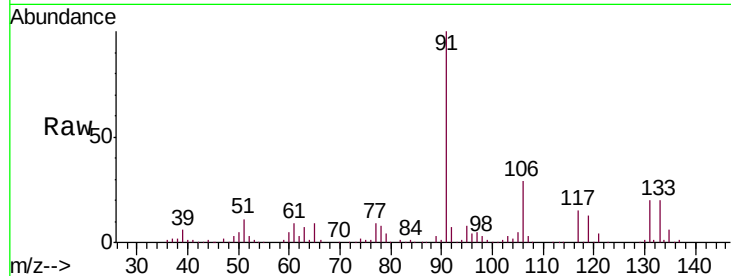
Tgt Ion: 131 Resp: 87404

Ion Ratio Lower Upper

131 100

133 97.1 0.0 187.8

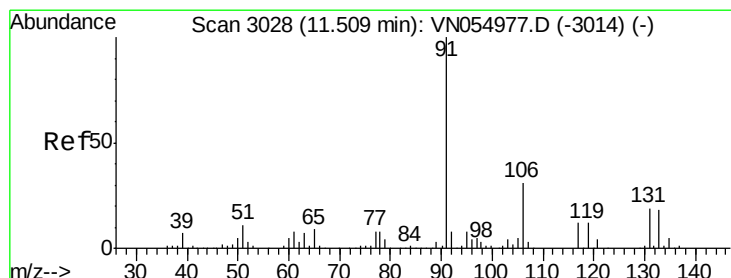
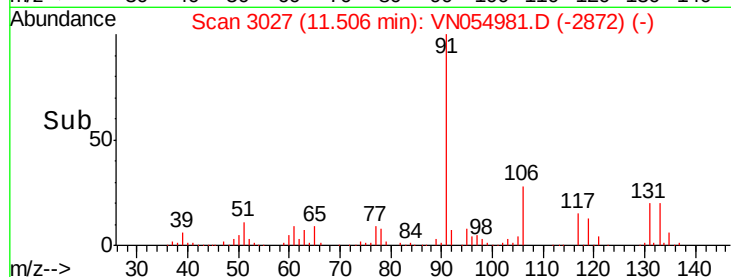
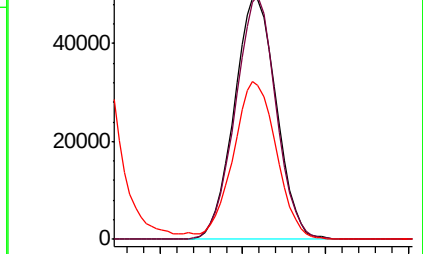
119 66.8 0.0 131.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.900 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054981.D

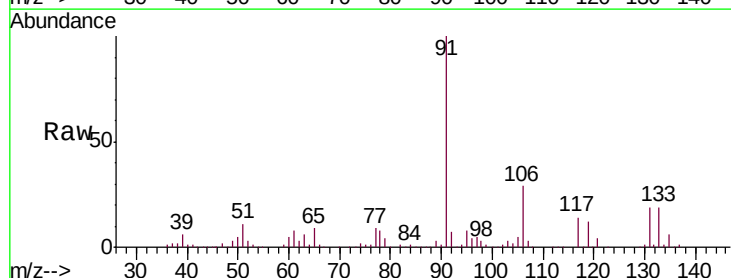
Acq: 11 Apr 2019 16:39

Tgt Ion: 91 Resp: 443166

Ion Ratio Lower Upper

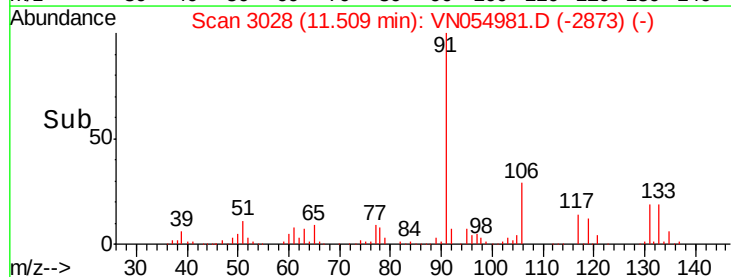
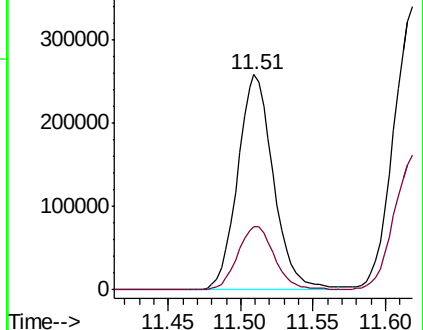
91 100

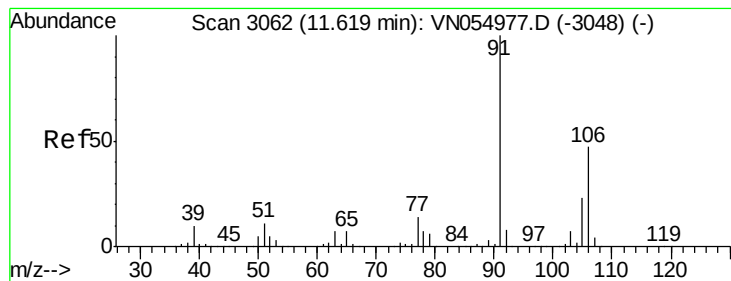
106 29.5 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

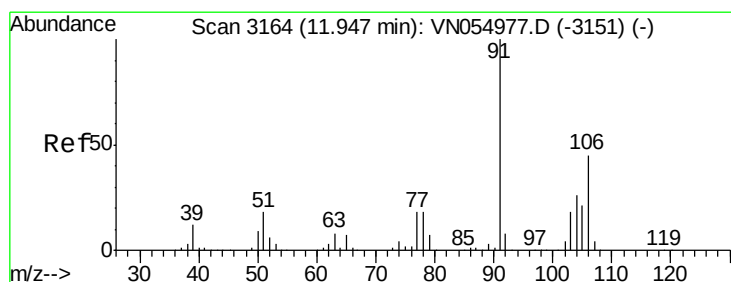
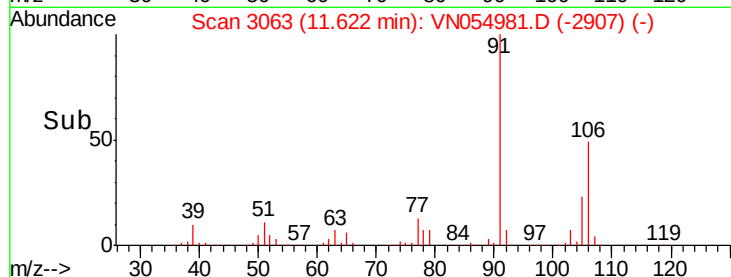
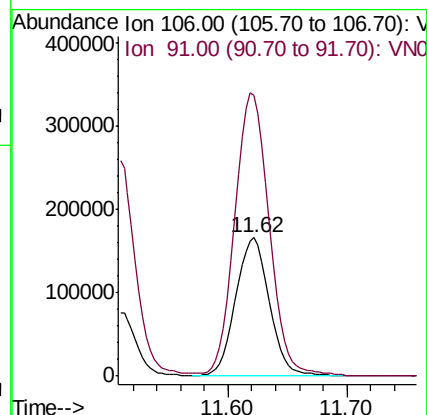
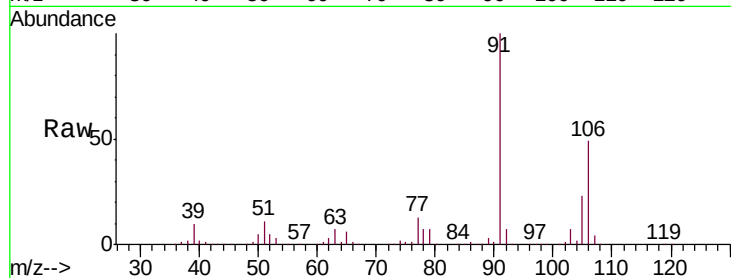




#67
m/p-Xylenes
Concen: 39.267 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

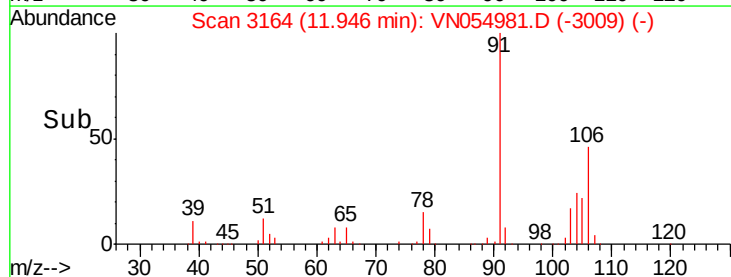
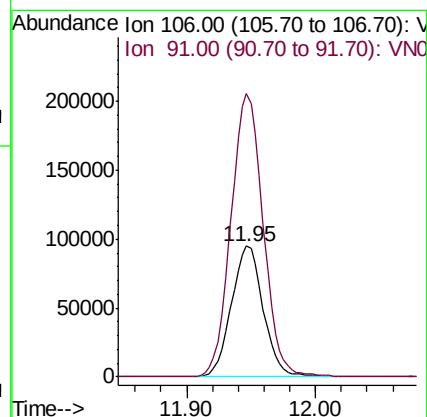
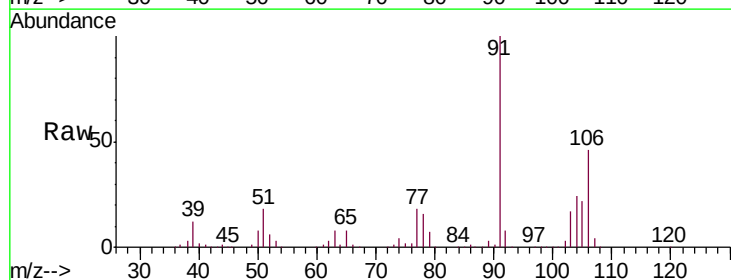
Instrument :
MSVOA_N
ClientSampleId :
ICVVN041119

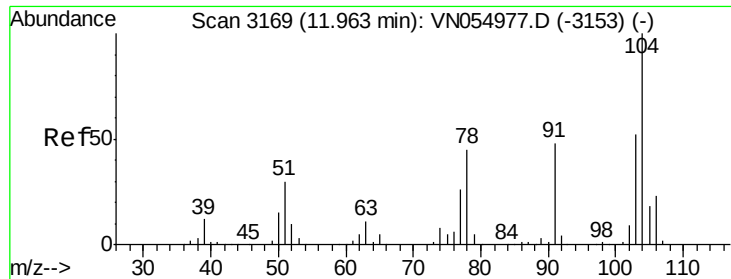
Tgt Ion:106 Resp: 325043
Ion Ratio Lower Upper
106 100
91 209.7 167.4 251.2



#68
o-Xylene
Concen: 19.874 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion:106 Resp: 162575
Ion Ratio Lower Upper
106 100
91 219.4 110.3 330.8

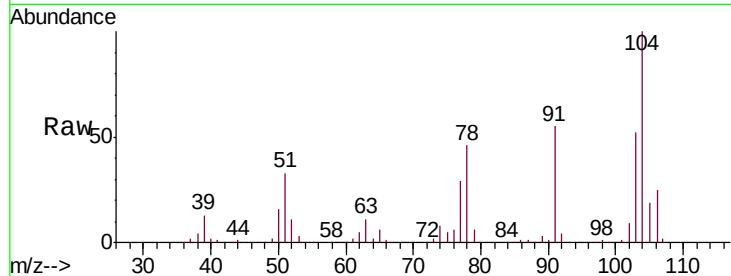




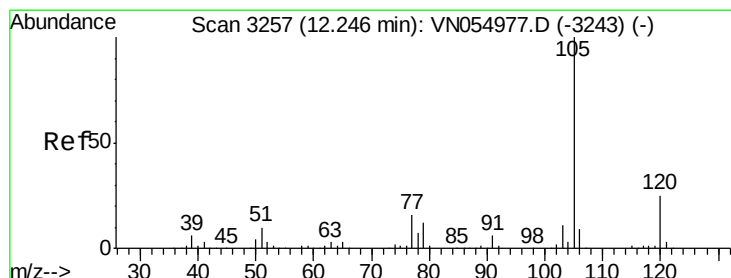
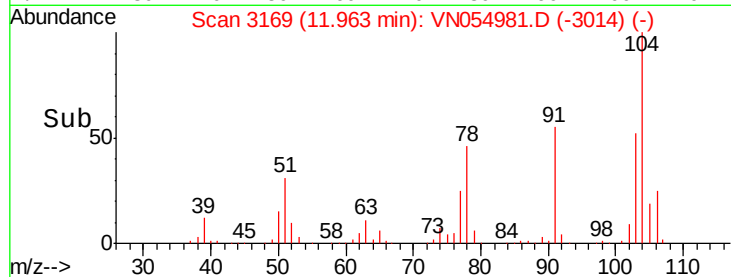
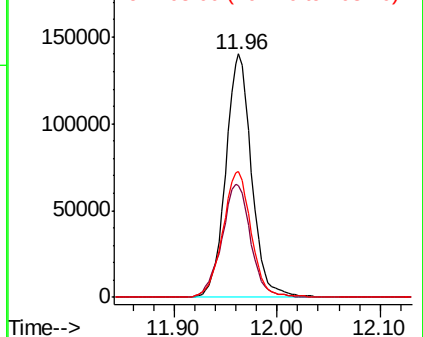
#69
Styrene
Concen: 19.310 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Instrument :
MSVOA_N
ClientSampled :
ICVVN041119

Tgt Ion:104 Resp: 245287
Ion Ratio Lower Upper
104 100
78 51.8 41.2 61.8
103 56.6 44.6 67.0

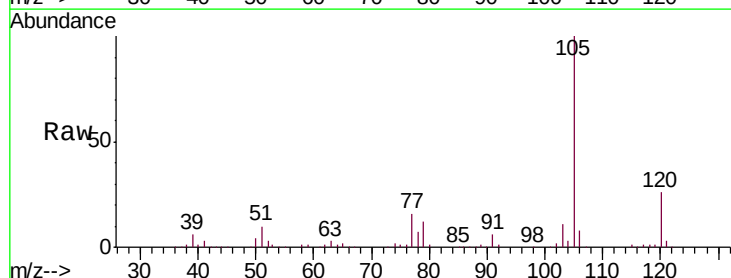


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

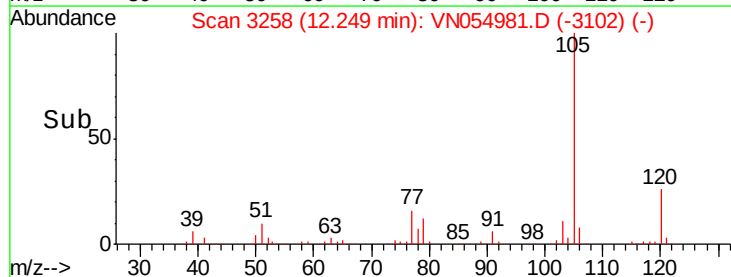
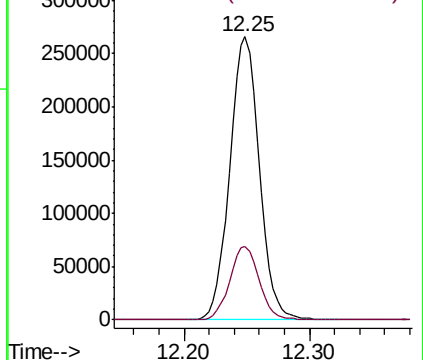


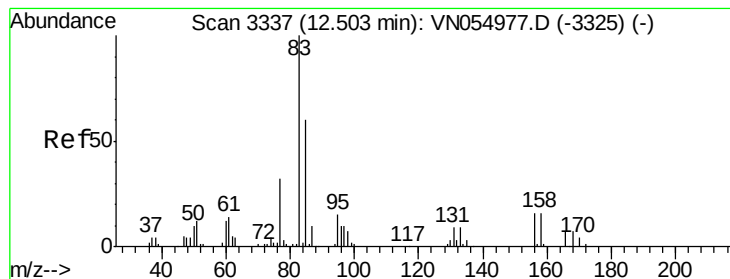
#70
Isopropylbenzene
Concen: 19.855 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion:105 Resp: 434261
Ion Ratio Lower Upper
105 100
120 26.0 18.3 33.9



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





#71

1,1,2,2-Tetrachloroethane

Concen: 20.546 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041119

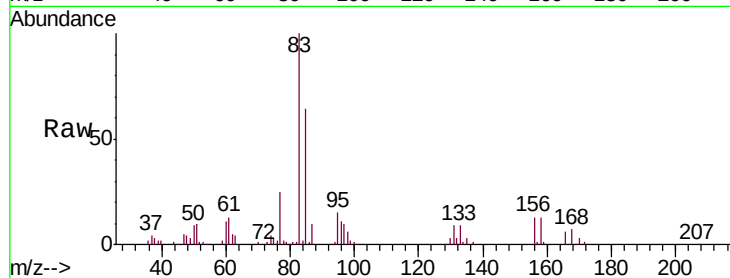
Tgt Ion: 83 Resp: 102781

Ion Ratio Lower Upper

83 100

131 9.9 4.6 13.8

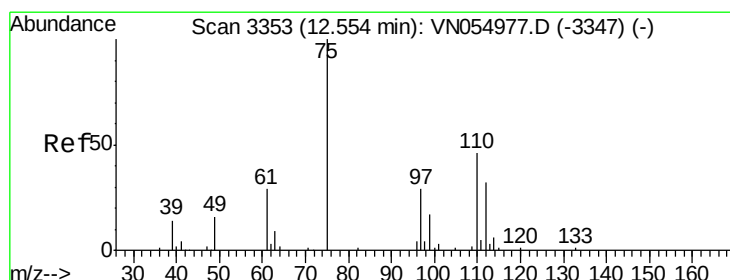
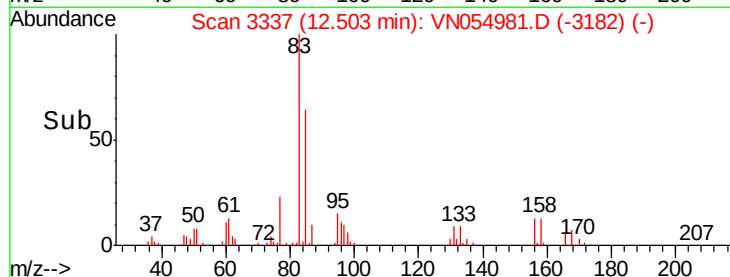
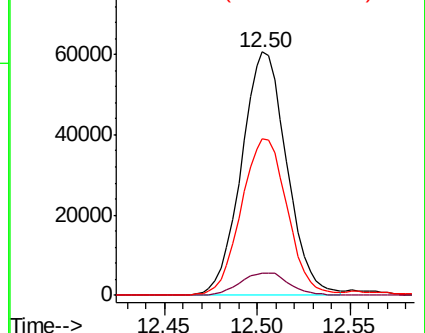
85 65.3 30.9 92.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 29.079 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054981.D

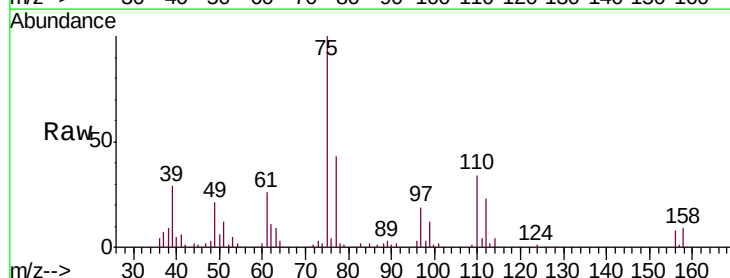
Acq: 11 Apr 2019 16:39

Tgt Ion: 75 Resp: 120131

Ion Ratio Lower Upper

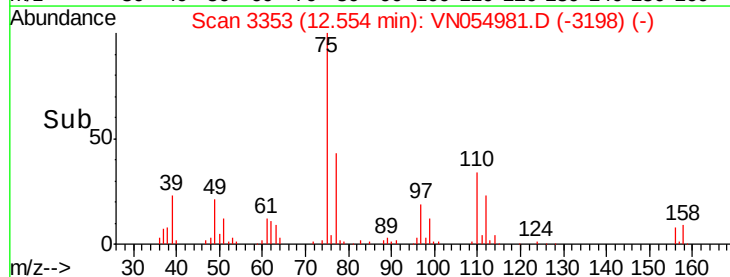
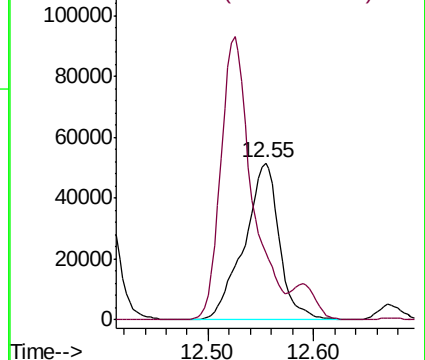
75 100

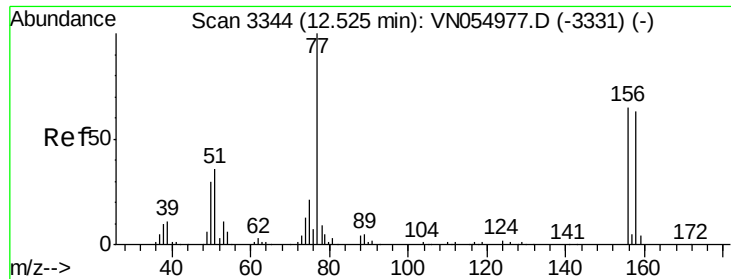
77 159.4 0.0 466.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 19.931 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

ICV041119

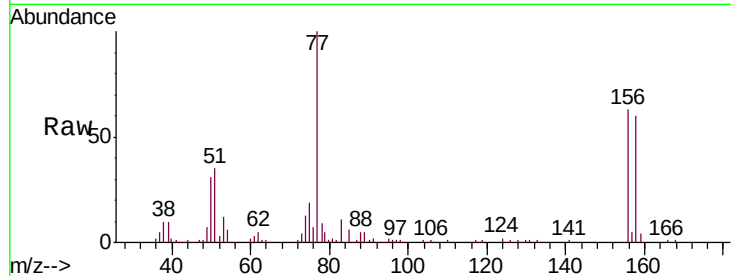
Tgt Ion:156 Resp: 103037

Ion Ratio Lower Upper

156 100

77 185.9 0.0 383.2

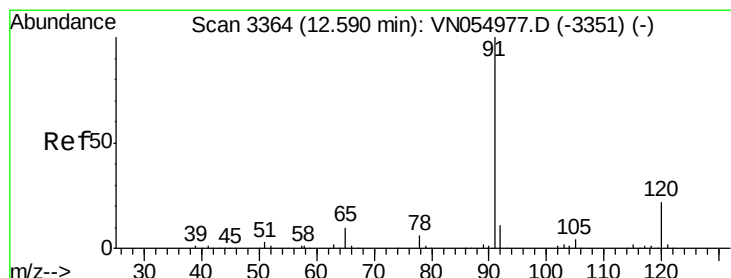
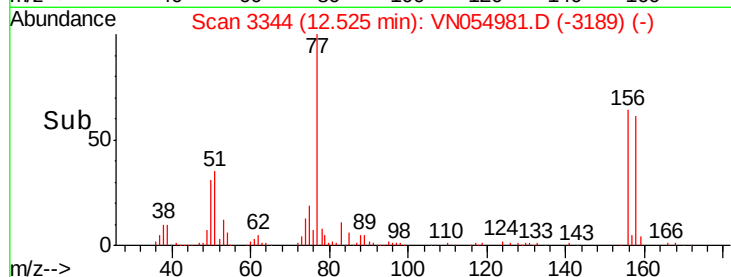
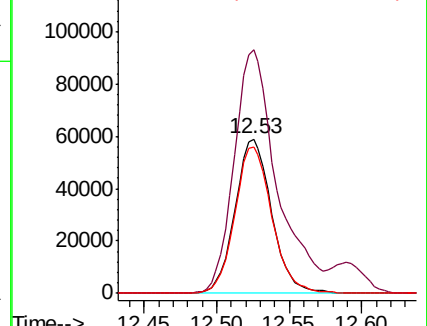
158 96.6 0.0 193.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.638 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054981.D

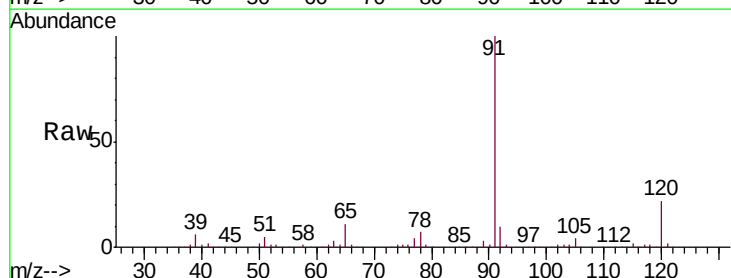
Acq: 11 Apr 2019 16:39

Tgt Ion: 91 Resp: 480836

Ion Ratio Lower Upper

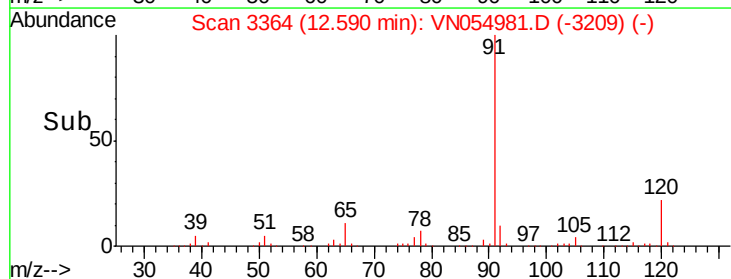
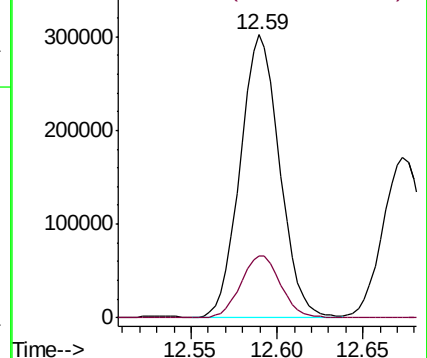
91 100

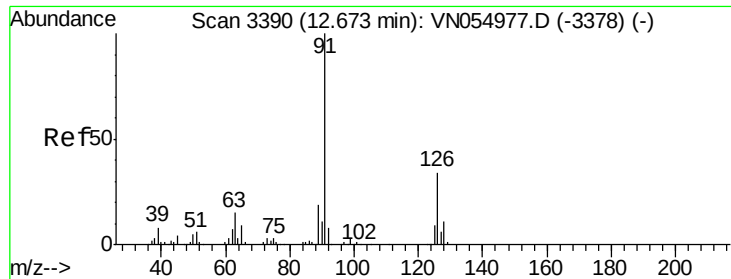
120 22.2 0.0 44.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.738 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

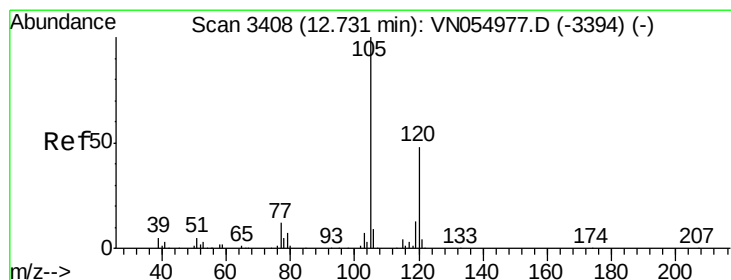
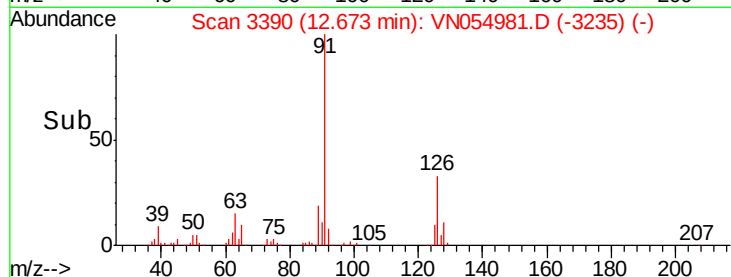
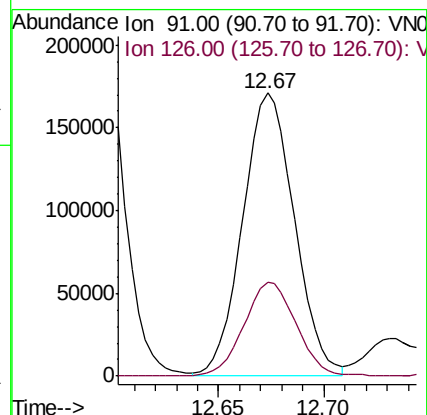
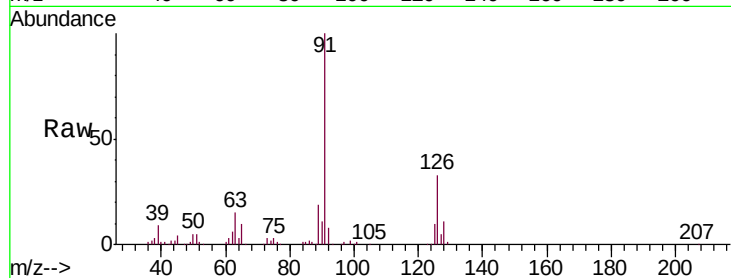
ICVVN041119

Tgt Ion: 91 Resp: 291475

Ion Ratio Lower Upper

91 100

126 33.6 0.0 67.4



#76

1,3,5-Trimethylbenzene

Concen: 19.582 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054981.D

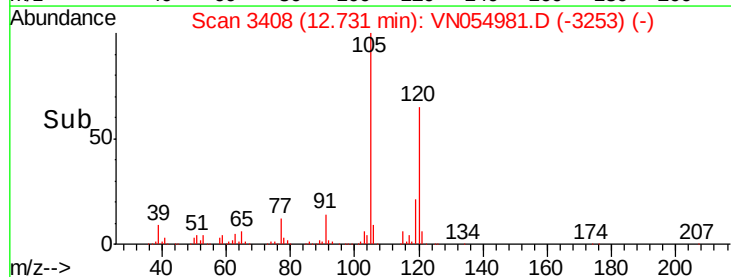
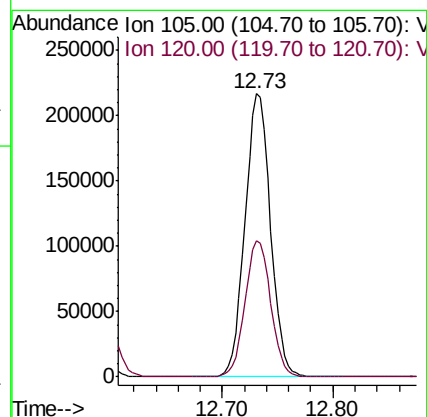
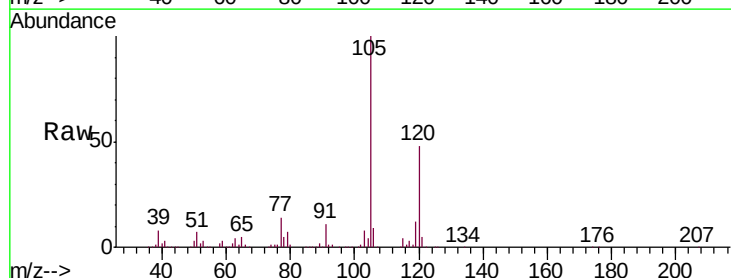
Acq: 11 Apr 2019 16:39

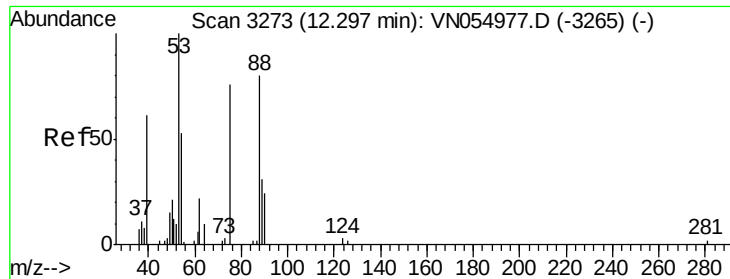
Tgt Ion: 105 Resp: 346259

Ion Ratio Lower Upper

105 100

120 48.8 0.0 94.8

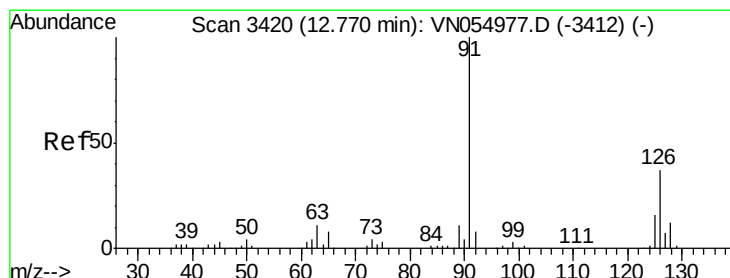
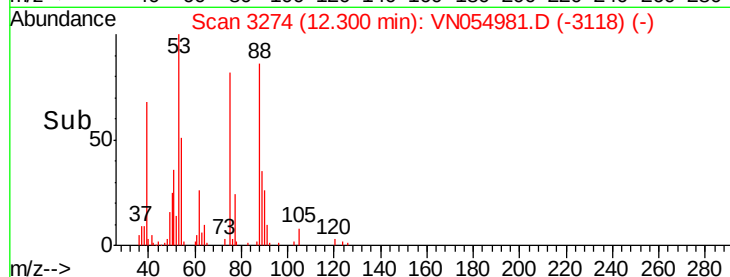
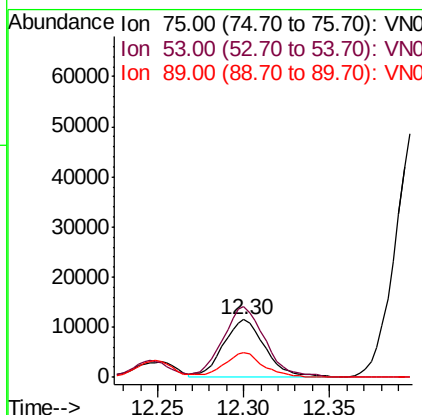
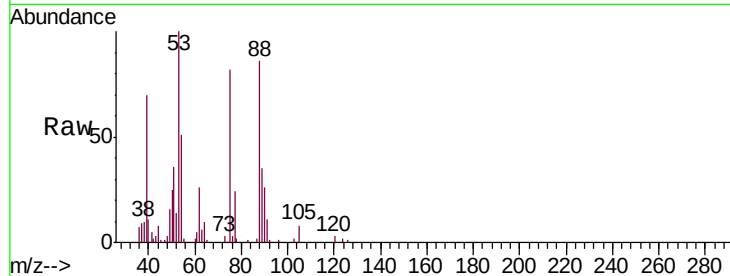




#77
t-1,4-Dichloro-2-butene
Concen: 18.918 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

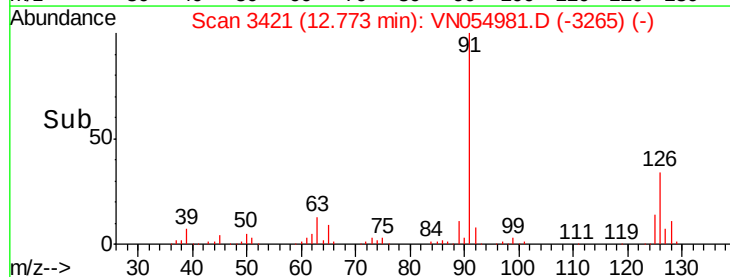
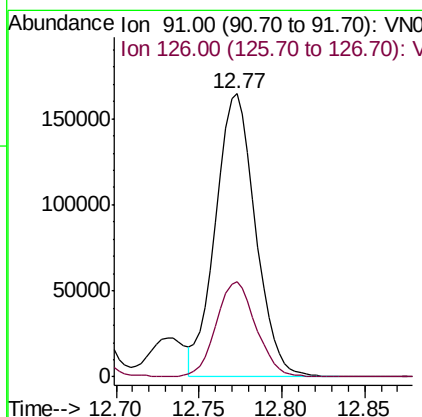
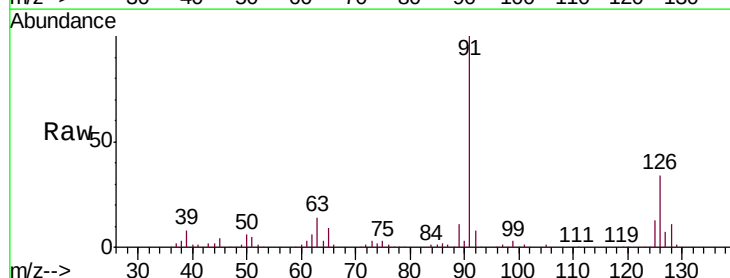
Instrument :
MSVOA_N
ClientSampleId :
ICVVN041119

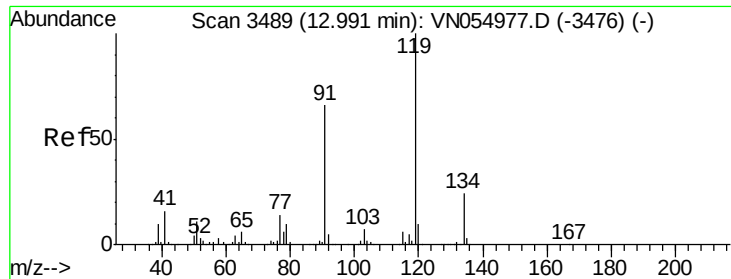
Tgt Ion: 75 Resp: 19700
Ion Ratio Lower Upper
75 100
53 121.7 64.3 192.7
89 42.8 21.6 65.0



#78
4-Chlorotoluene
Concen: 19.578 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion: 91 Resp: 275479
Ion Ratio Lower Upper
91 100
126 33.5 0.0 66.6

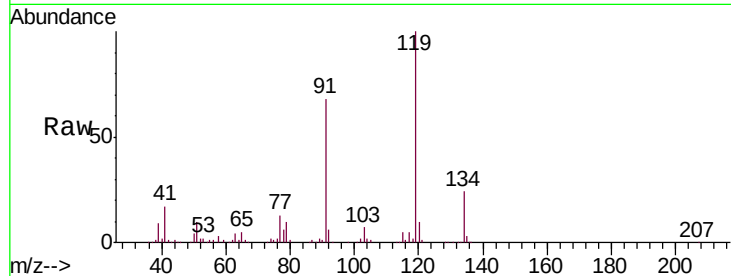




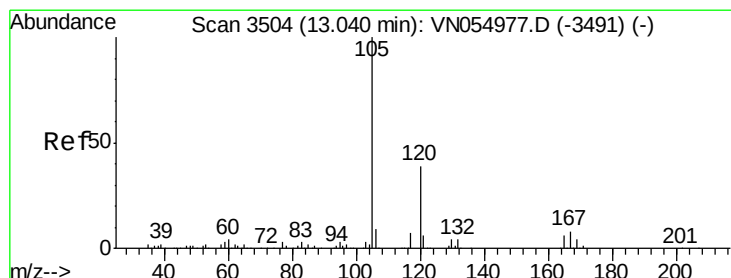
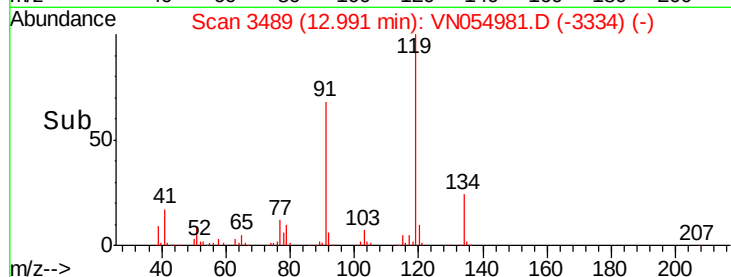
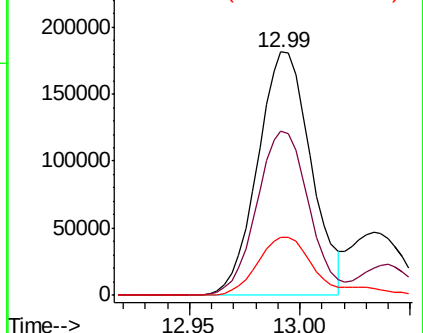
#79
tert-butylbenzene
Concen: 19.830 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041119

Tgt Ion:119 Resp: 303400
Ion Ratio Lower Upper
119 100
91 66.1 0.0 132.6
134 24.3 0.0 47.6

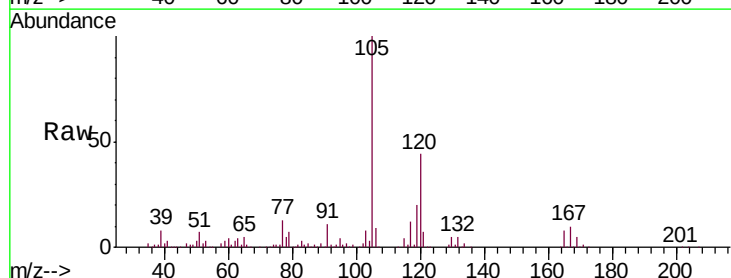


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

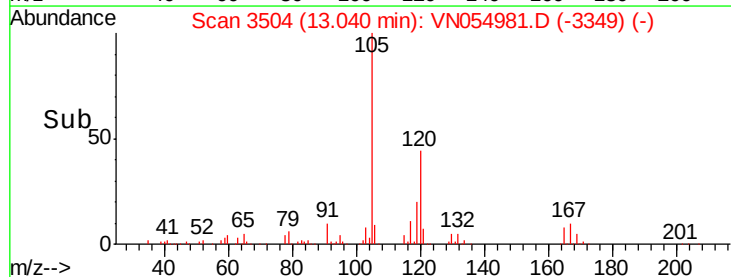
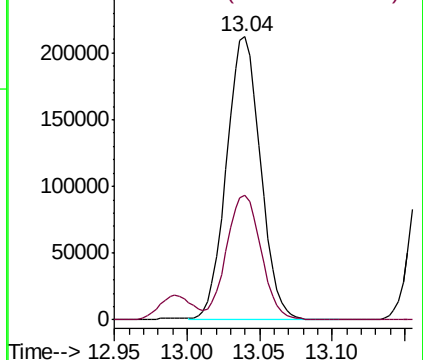


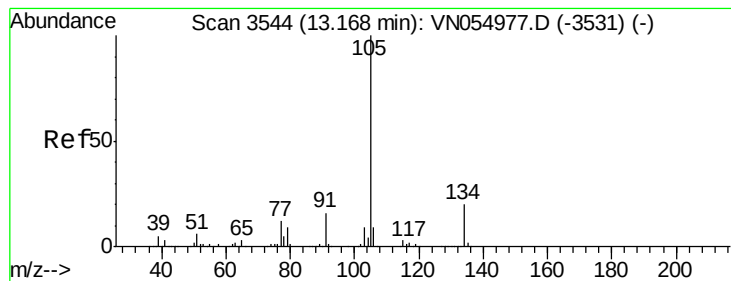
#80
1,2,4-Trimethylbenzene
Concen: 19.893 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion:105 Resp: 345559
Ion Ratio Lower Upper
105 100
120 44.8 0.0 91.4



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





#81

sec-Butylbenzene

Concen: 20.194 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

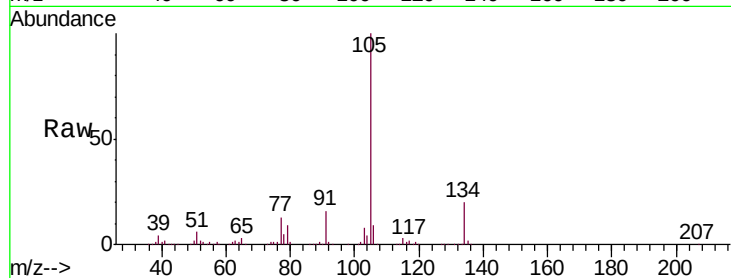
ICVVN041119

Tgt Ion:105 Resp: 412833

Ion Ratio Lower Upper

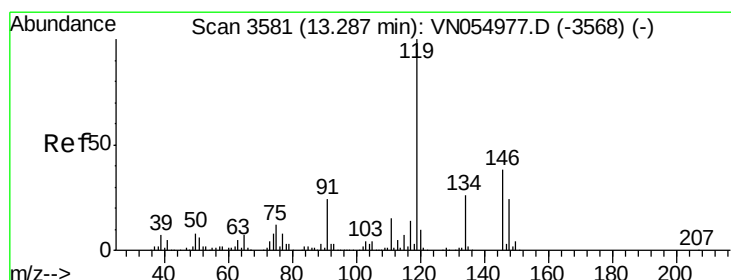
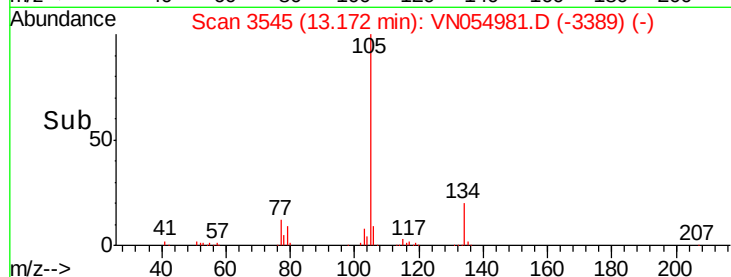
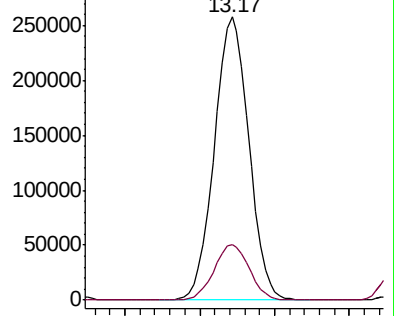
105 100

134 20.0 0.0 40.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.811 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

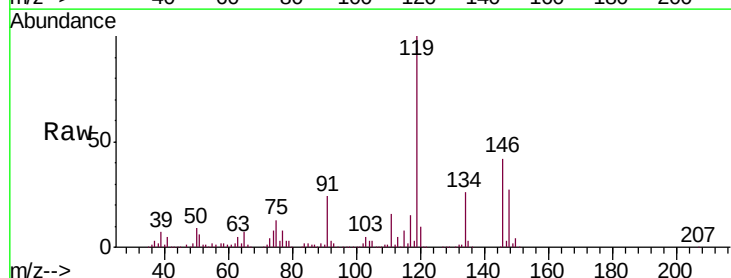
Tgt Ion:119 Resp: 341802

Ion Ratio Lower Upper

119 100

134 26.2 0.0 53.2

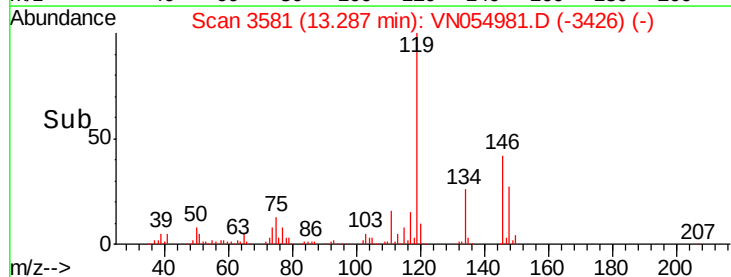
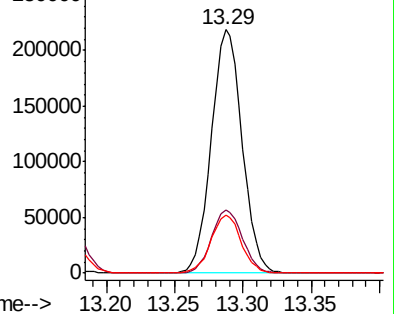
91 23.4 0.0 47.8

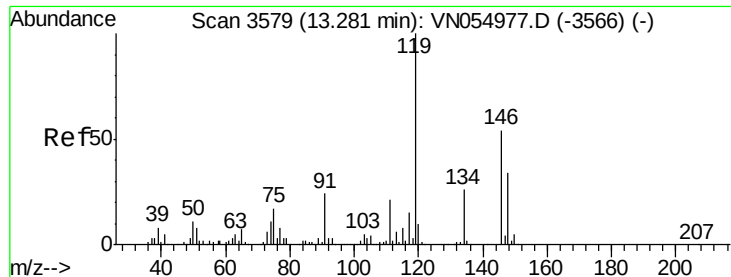


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

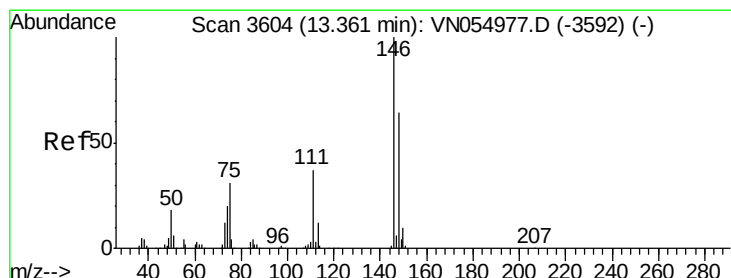
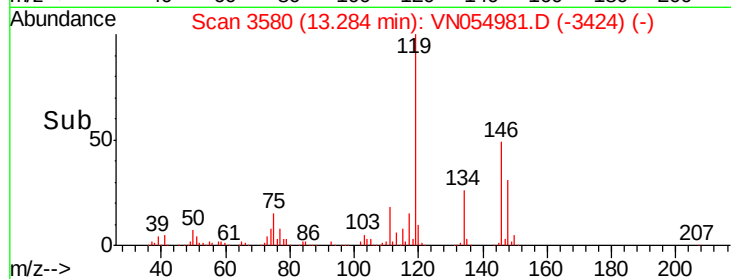
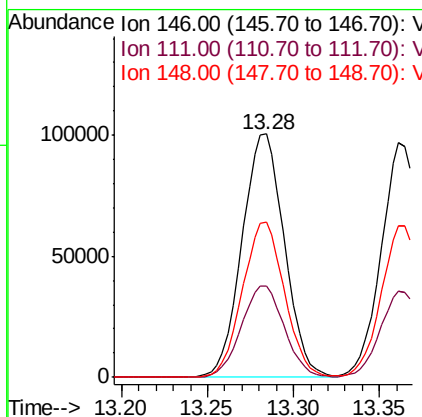
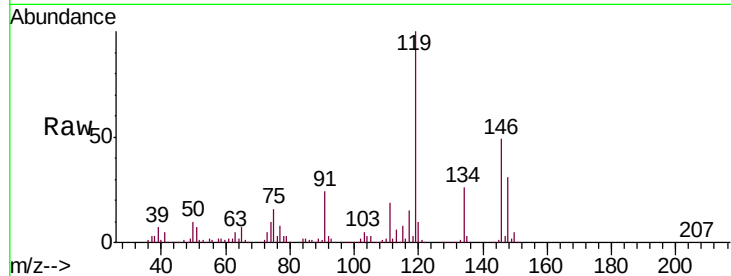




#83
 1,3-Dichlorobenzene
 Concen: 19.893 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

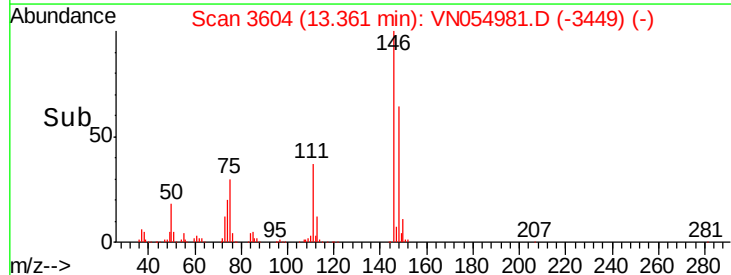
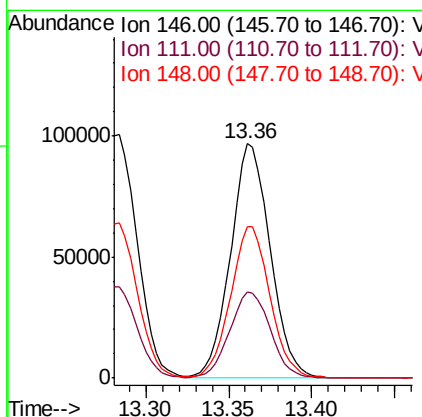
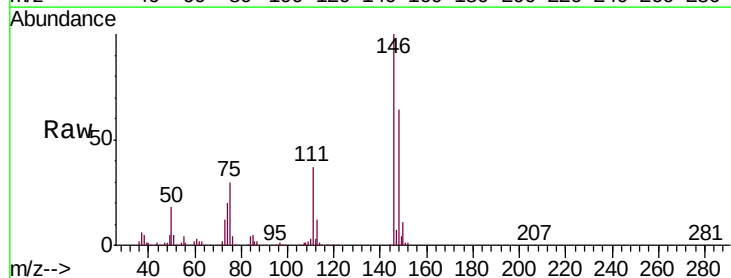
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041119

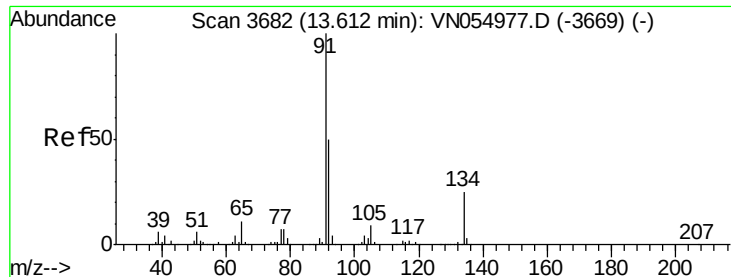
Tgt Ion:146 Resp: 172048
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.1 57.5
 148 63.4 31.9 95.5



#84
 1,4-Dichlorobenzene
 Concen: 19.600 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Tgt Ion:146 Resp: 161077
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.4 55.2
 148 64.4 32.5 97.4





#85

n-Butylbenzene

Concen: 19.448 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054981.D

Acq: 11 Apr 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041119

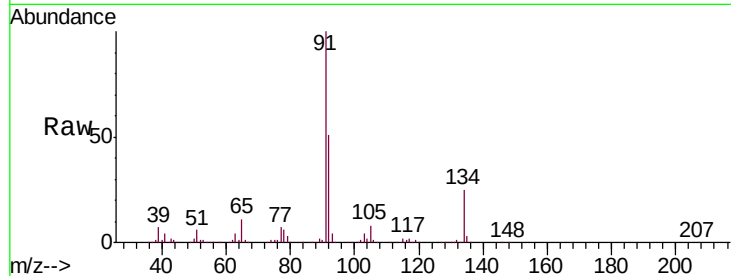
Tgt Ion: 91 Resp: 267285

Ion Ratio Lower Upper

91 100

92 50.5 0.0 101.4

134 24.9 0.0 49.8

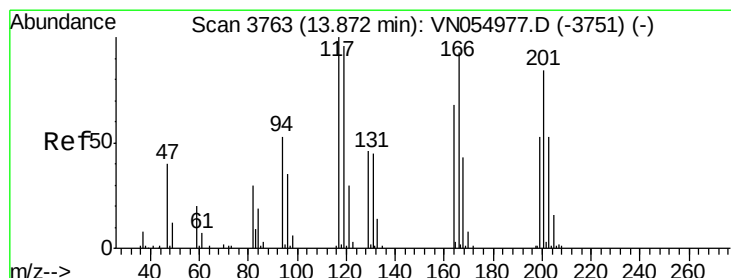
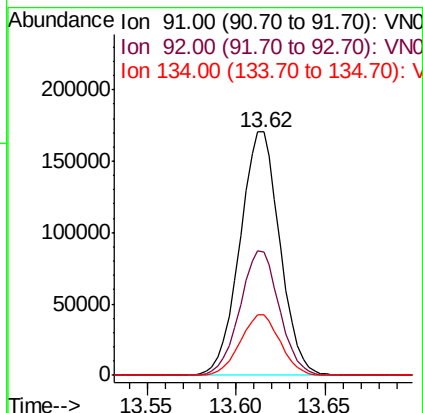
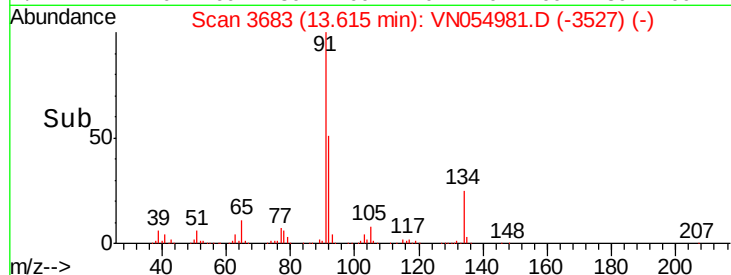


Abundance Ion 91.00 (90.70 to 91.70): VN054977.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN054977.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN054977.D (-3669) (-)

Time-->



#86

Hexachloroethane

Concen: 18.459 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054981.D

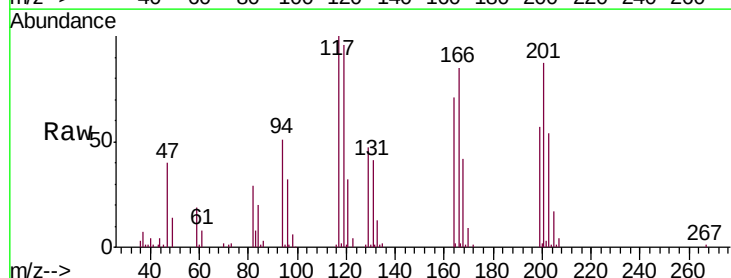
Acq: 11 Apr 2019 16:39

Tgt Ion: 117 Resp: 50983

Ion Ratio Lower Upper

117 100

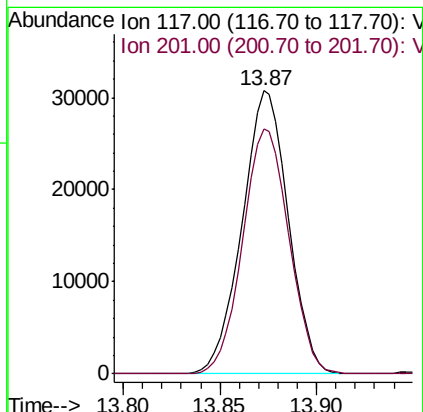
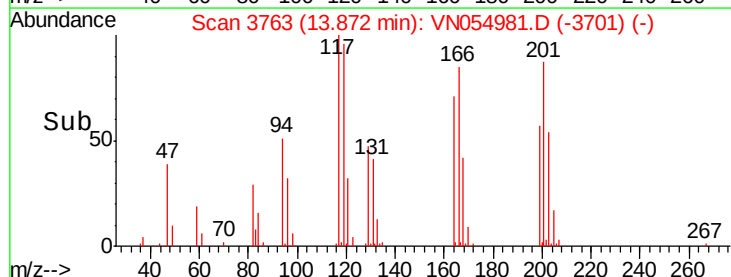
201 86.7 42.8 128.3

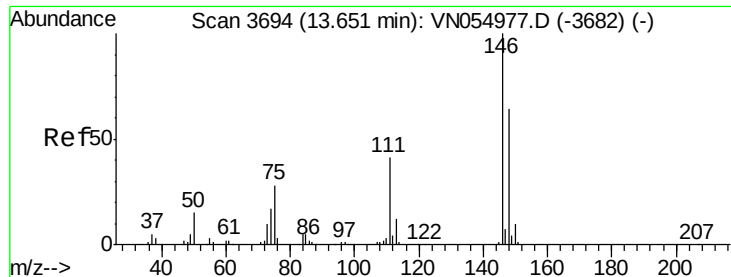


Abundance Ion 117.00 (116.70 to 117.70): VN054977.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN054977.D (-3751) (-)

Time-->

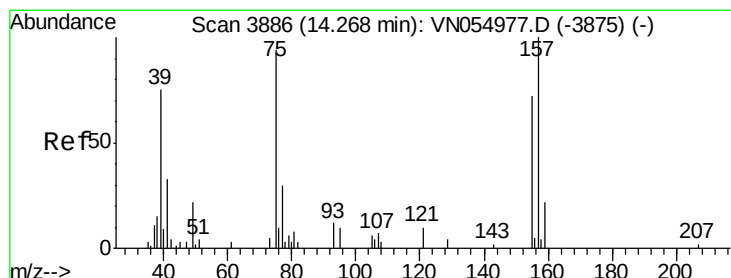
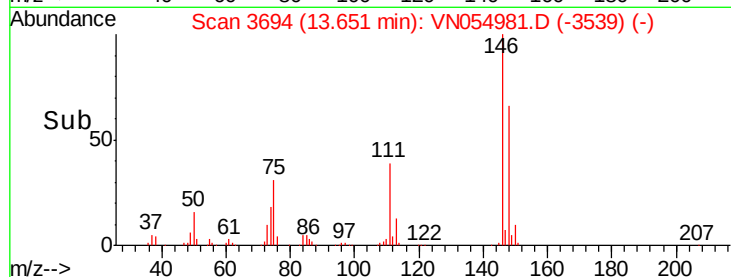
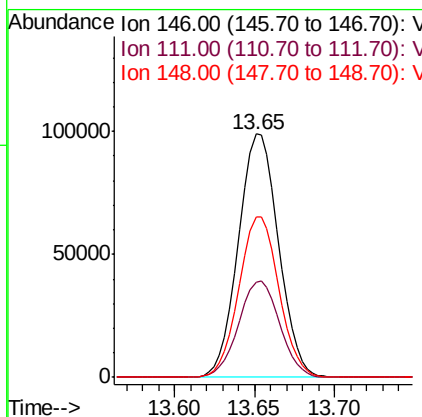
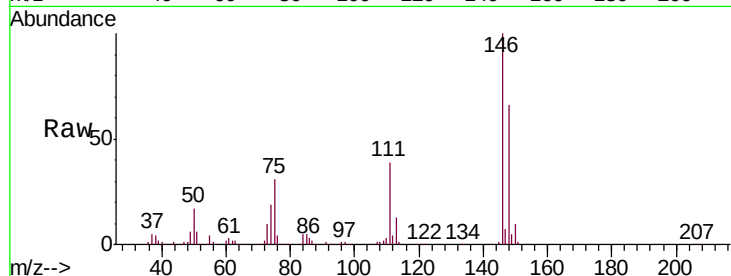




#87
 1,2-Dichlorobenzene
 Concen: 20.000 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

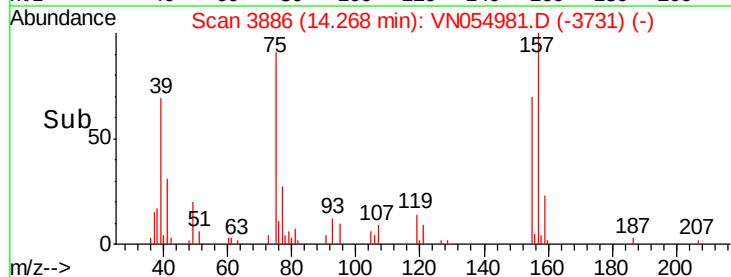
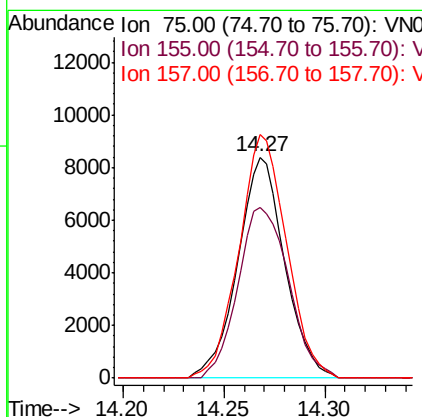
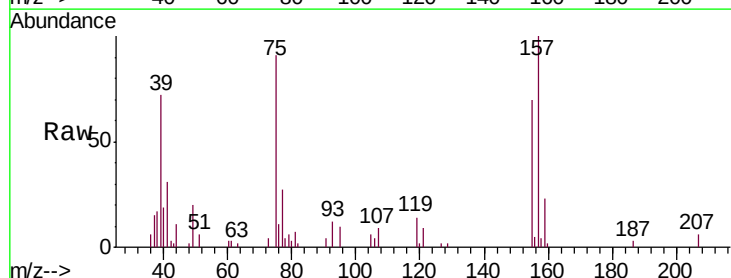
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041119

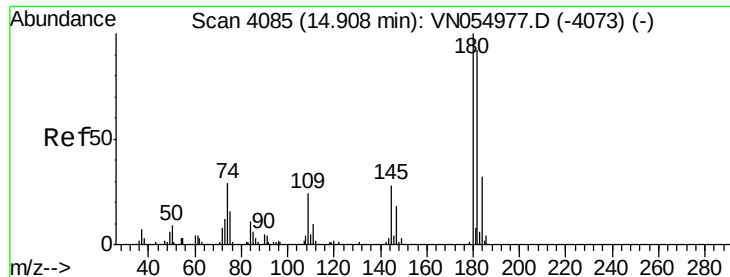
Tgt Ion: 146 Resp: 169393
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.3 60.8
 148 65.9 32.5 97.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.519 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Tgt Ion: 75 Resp: 13642
 Ion Ratio Lower Upper
 75 100
 155 83.7 61.8 92.8
 157 112.0 82.7 124.1

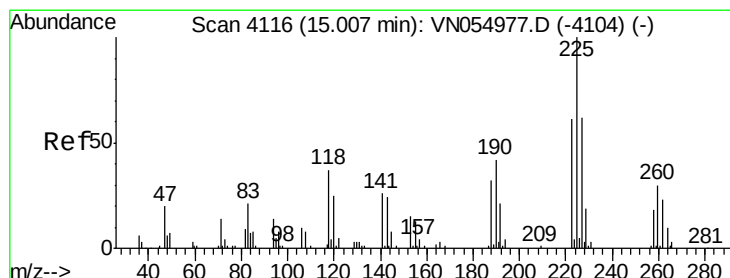
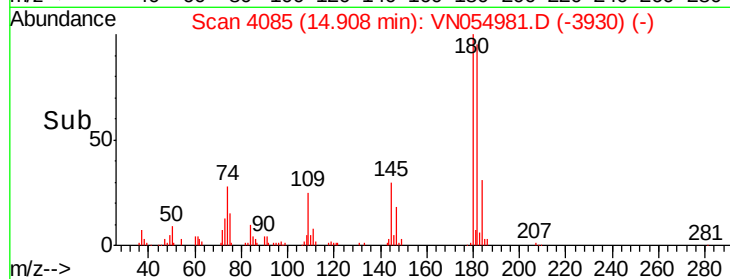
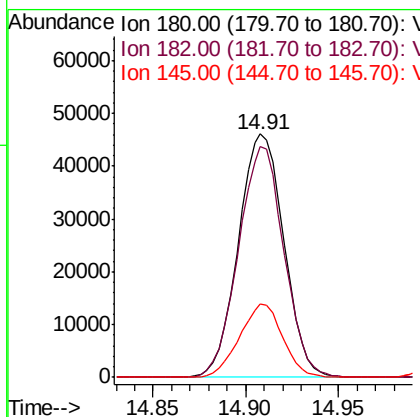
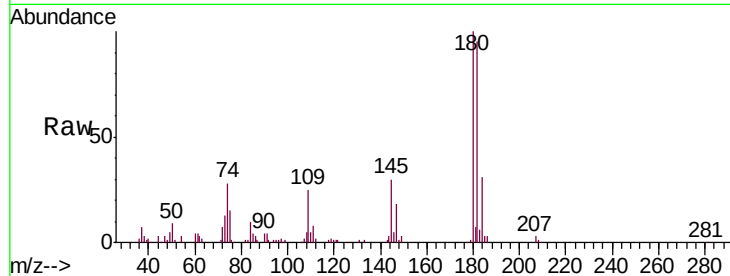




#89
 1,2,4-Trichlorobenzene
 Concen: 20.739 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

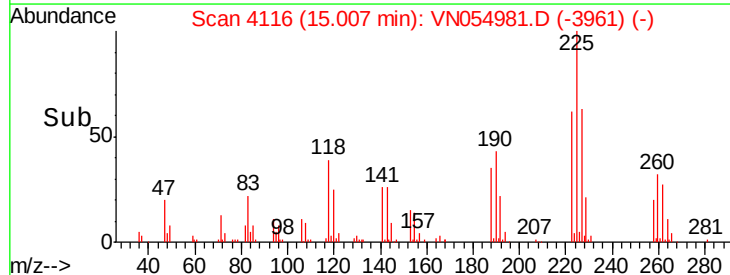
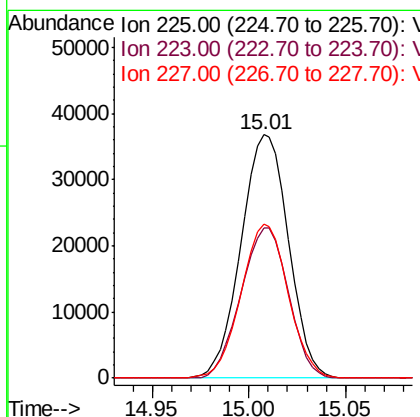
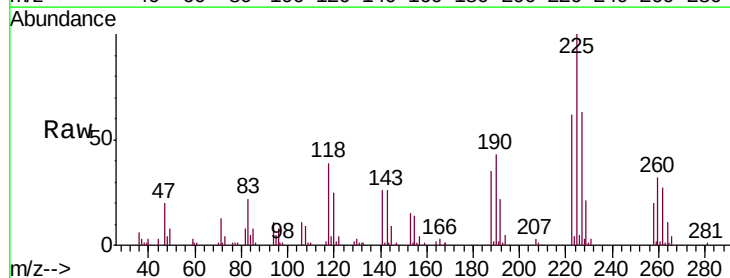
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041119

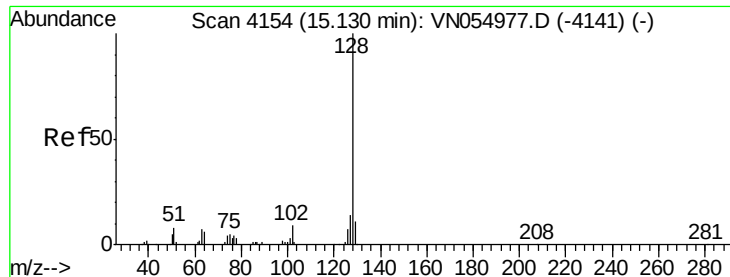
Tgt Ion:180 Resp: 78529
 Ion Ratio Lower Upper
 180 100
 182 94.6 73.2 109.8
 145 28.6 23.2 34.8



#90
 Hexachlorobutadiene
 Concen: 22.802 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054981.D
 Acq: 11 Apr 2019 16:39

Tgt Ion:225 Resp: 62951
 Ion Ratio Lower Upper
 225 100
 223 61.5 0.0 126.0
 227 62.7 0.0 125.4

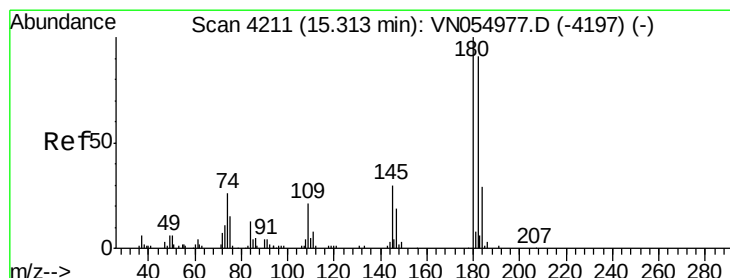
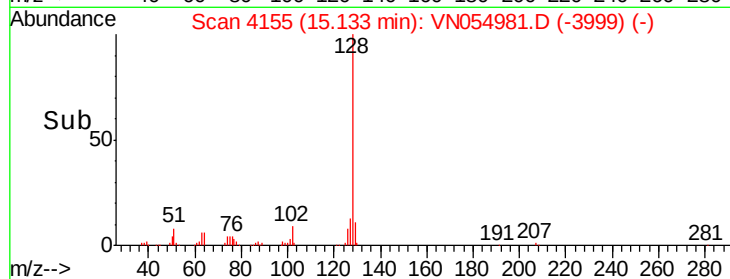
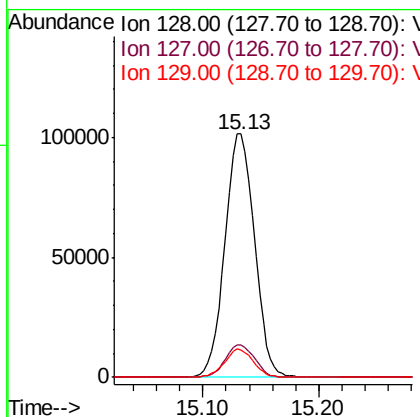
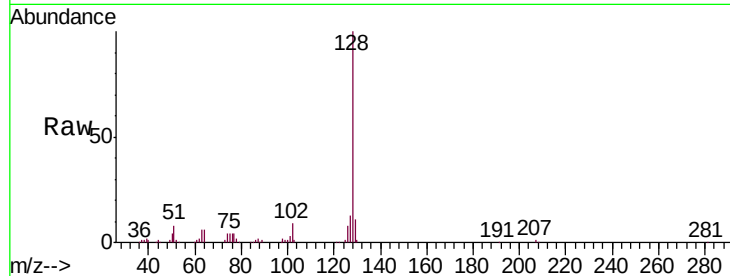




#91
Naphthalene
Concen: 22.605 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Instrument :
MSVOA_N
ClientSampled :
ICVVN041119

Tgt Ion:128 Resp: 179234
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 11.2 9.0 13.6



#92
1,2,3-Trichlorobenzene
Concen: 21.499 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054981.D
Acq: 11 Apr 2019 16:39

Tgt Ion:180 Resp: 81416
Ion Ratio Lower Upper
180 100
182 94.9 0.0 188.2
145 30.9 0.0 61.2

