

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041219\
 Data File : VN054991.D
 Acq On : 12 Apr 2019 10:44
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 12 23:03:37 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	7.20	128	74925	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	402346	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	351693	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	165313	28.95	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.50%
60) 4-Bromofluorobenzene	12.40	95	163236	29.81	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.37%
63) Toluene-d8	10.09	98	501601	30.00	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	89030	20.204	ug/l 96
3) Chloromethane	2.06	50	121266	20.371	ug/l 94
4) Vinyl Chloride	2.19	62	103443	20.095	ug/l 99
5) Bromomethane	2.56	94	60193	20.216	ug/l 98
6) Chloroethane	2.71	64	57751	20.032	ug/l 98
7) Trichlorofluoromethane	3.02	101	135277	20.565	ug/l 96
8) Diethyl Ether	3.41	74	44295	20.972	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	75505	20.998	ug/l 97
10) 1,1-Dichloroethene	3.73	96	65988	19.849	ug/l 96
11) Methyl Iodide	3.94	142	103741	20.620	ug/l 99
12) Methyl Acetate	4.33	43	86598	21.178	ug/l 95
13) Acrolein	3.61	56	32341	90.242	ug/l 95
14) Acrylonitrile	4.99	53	171160	102.166	ug/l 98
15) Acetone	3.82	58	41223	99.438	ug/l 98
16) Carbon Disulfide	4.04	76	214429	19.229	ug/l 98
17) Allyl chloride	4.32	41	163767	20.003	ug/l 95
18) Methylene Chloride	4.54	84	100243	20.399	ug/l 98
19) trans-1,2-Dichloroethene	5.04	96	87878	20.306	ug/l 91
20) Diisopropyl ether	5.96	45	337780	20.366	ug/l 99
21) 1,1-Dichloroethane	5.85	63	181972	20.542	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	102984	20.473	ug/l 99
23) tert-Butyl Alcohol	4.82	59	27873	104.342	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	229269	20.538	ug/l # 68
25) Chloroform	7.37	83	175399	20.670	ug/l 99
26) Cyclohexane	7.65	56	165761	20.167	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	133121	21.245	ug/l 99
30) 2-Butanone	6.84	43	218105	104.860	ug/l 99
31) 2,2-Dichloropropane	6.82	77	121528	21.072	ug/l # 100
32) 1,1,1-Trichloroethane	7.57	97	140292	21.182	ug/l 98
33) Carbon Tetrachloride	7.77	117	116147	20.255	ug/l 97
34) Benzene	8.04	78	386686	20.824	ug/l 99
35) Methacrylonitrile	7.18	41	52323	21.343	ug/l 91
36) 1,2-Dichloroethane	8.13	62	133370	21.015	ug/l 100
37) Trichloroethene	8.84	130	95620	20.199	ug/l 95
38) Methylcyclohexane	9.08	83	149118	20.521	ug/l 100
39) 1,2-Dichloropropane	9.12	63	109464	21.349	ug/l 98
40) Dibromomethane	9.21	93	59170	20.417	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	123614	20.667	ug/l	99
42) Vinyl Acetate	5.90	43	1084911	103.174	ug/l	100
43) Ethyl Acetate	6.94	43	86812	20.487	ug/l #	79
44) Isopropyl Acetate	8.17	43	147827	20.586	ug/l	100
45) 1,4-Dioxane	9.20	88	16574	416.605	ug/l	94
46) Methyl methacrylate	9.20	41	79211	21.323	ug/l	97
47) n-amyl Acetate	12.07	43	101652	19.219	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	107172	19.512	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	135342	19.960	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	82562	20.975	ug/l	98
51) Ethyl methacrylate	10.43	69	91392	19.477	ug/l	96
52) 1,3-Dichloropropane	10.71	76	143917	20.865	ug/l	99
53) Dibromochloromethane	10.90	129	80047	19.742	ug/l	96
54) 1,2-Dibromoethane	11.00	107	77646	21.012	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	181957	92.757	ug/l	99
56) Bromoform	12.13	173	48603	19.077	ug/l	97
58) 4-Methyl-2-Pentanone	9.99	43	427763	105.470	ug/l	99
59) 2-Hexanone	10.75	43	271227	105.268	ug/l	100
61) Tetrachloroethene	10.63	164	97624	21.330	ug/l	96
62) Toluene	10.16	91	402730	20.783	ug/l	100
64) Chlorobenzene	11.43	112	242352	20.716	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	85997	20.669	ug/l	98
66) Ethyl Benzene	11.51	91	432107	20.802	ug/l	100
67) m/p-Xylenes	11.62	106	328054	42.487	ug/l	98
68) o-Xylene	11.95	106	163463	21.422	ug/l	98
69) Styrene	11.96	104	241876	20.414	ug/l	99
70) Isopropylbenzene	12.25	105	427227	20.941	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	100964	21.637	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	114065	29.600	ug/l	58
73) Bromobenzene	12.53	156	97183	20.154	ug/l	99
74) n-propylbenzene	12.59	91	479368	20.989	ug/l	100
75) 2-Chlorotoluene	12.67	91	293799	21.329	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	348175	21.109	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	18545	19.092	ug/l	93
78) 4-Chlorotoluene	12.77	91	272537	20.765	ug/l	100
79) tert-butylbenzene	12.99	119	301594	21.133	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	339958	20.981	ug/l	99
81) sec-Butylbenzene	13.17	105	402639	21.114	ug/l	100
82) p-Isopropyltoluene	13.29	119	330658	20.546	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	165925	20.568	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	152012	19.829	ug/l	99
85) n-Butylbenzene	13.61	91	243634	19.005	ug/l	99
86) Hexachloroethane	13.87	117	51466	19.976	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	163916	20.748	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	11890	19.172	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	61124	17.305	ug/l	96
90) Hexachlorobutadiene	15.01	225	54420	21.132	ug/l	99
91) Naphthalene	15.13	128	124329	16.811	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	61839	17.506	ug/l	98

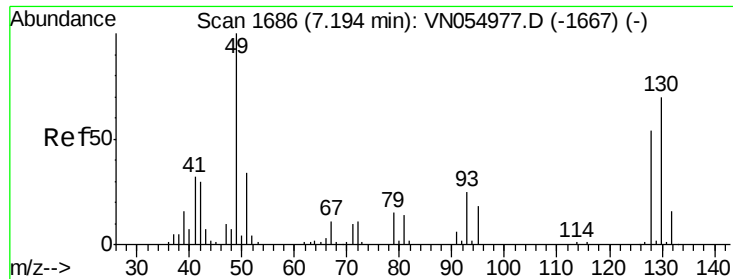
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Instrument :
MSVOA_N
ClientSampled :

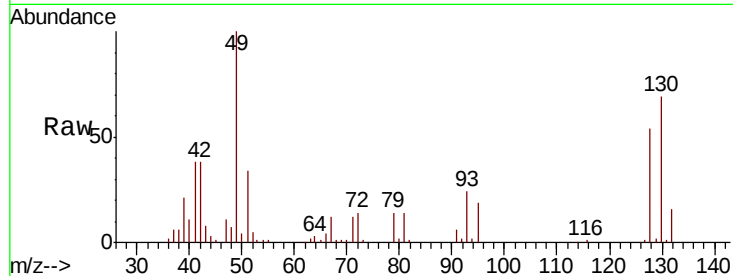
Tot Ion:128 Resp: 74925

Ion Ratio Lower Upper

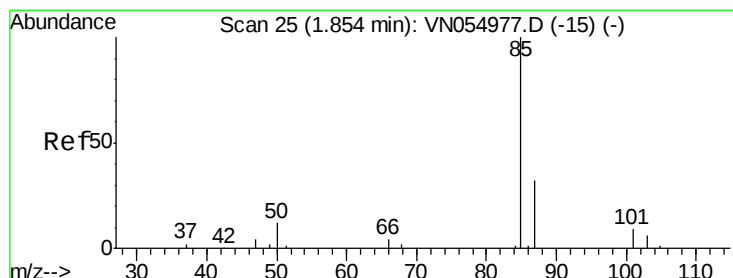
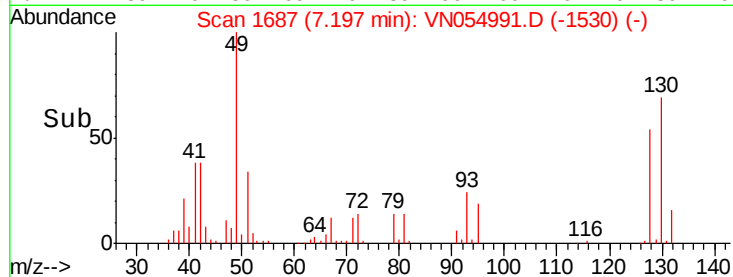
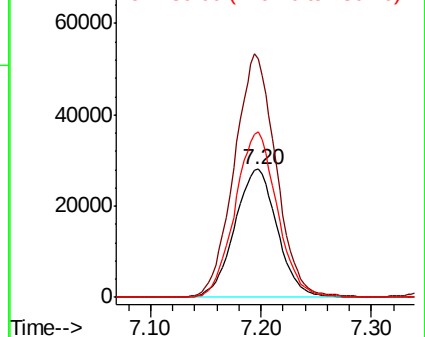
128 100

49 187.1 0.0 480.3

130 127.2 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: 20.204 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054991.D

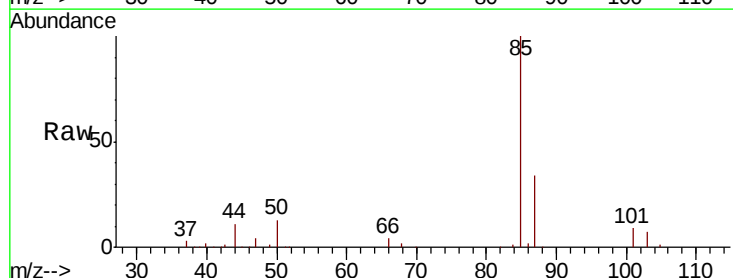
Acq: 12 Apr 2019 10:44

Tgt Ion: 85 Resp: 89030

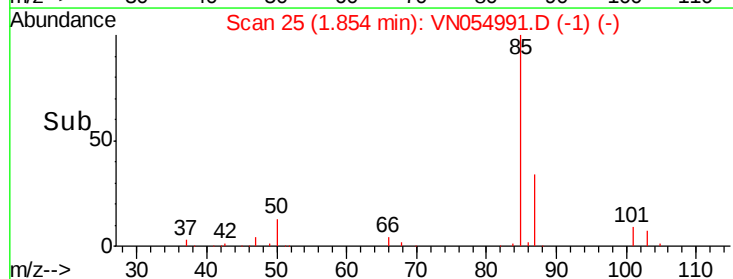
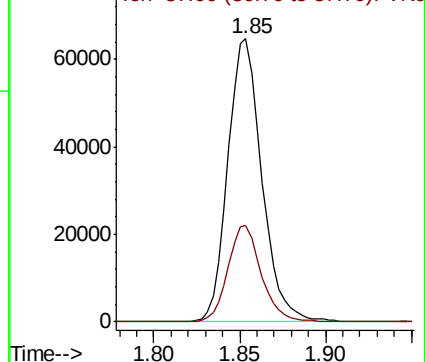
Ion Ratio Lower Upper

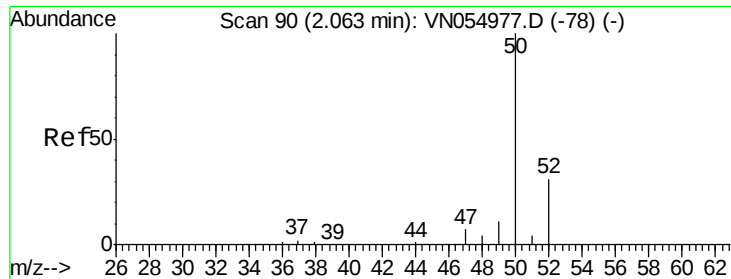
85 100

87 34.2 16.1 48.3



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

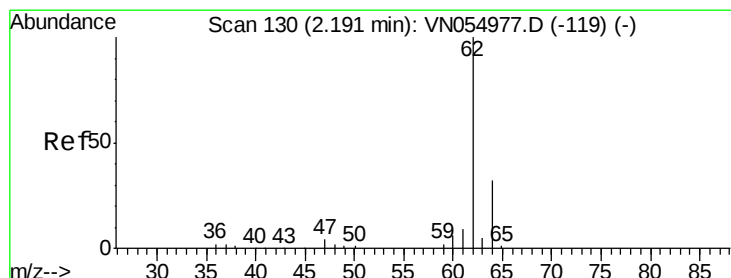
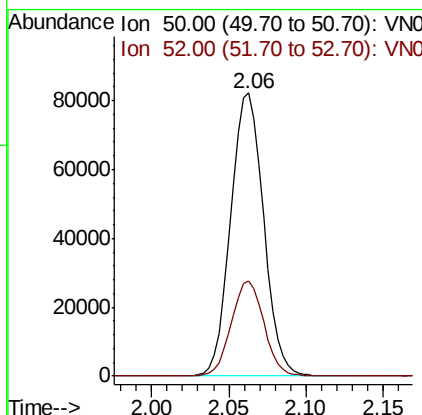
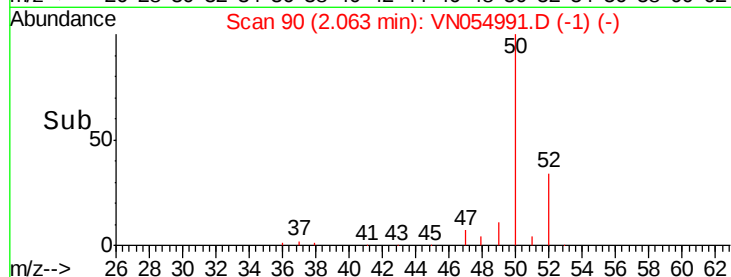
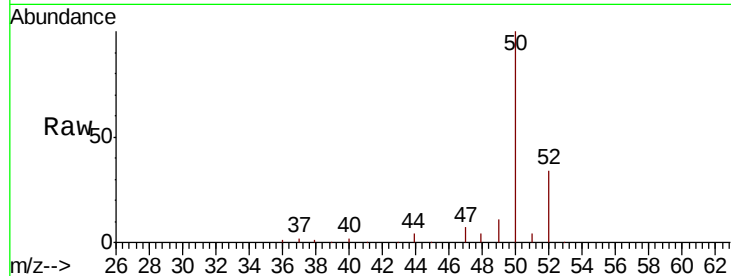




#3
Chloromethane
Concen: 20.371 ug/l
RT: 2.06 min Scan# 90
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

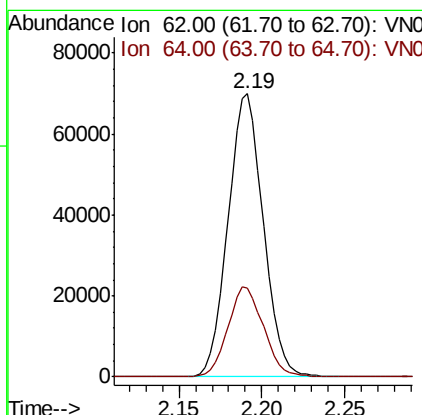
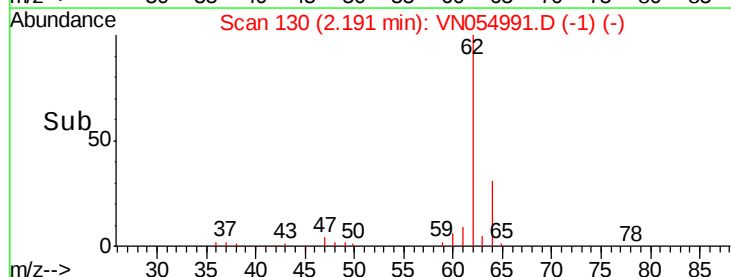
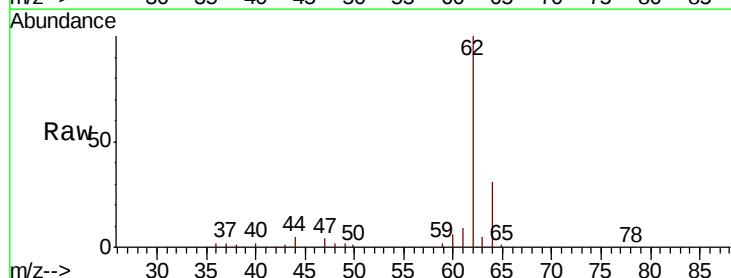
Instrument :
MSVOA_N
ClientSampleId :

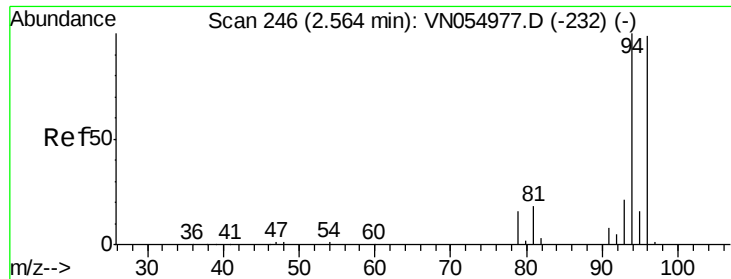
Tot Ion: 50 Resp: 121266
Ion Ratio Lower Upper
50 100
52 33.8 24.5 36.7



#4
Vinyl Chloride
Concen: 20.095 ug/l
RT: 2.19 min Scan# 130
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion: 62 Resp: 103443
Ion Ratio Lower Upper
62 100
64 31.2 25.6 38.4

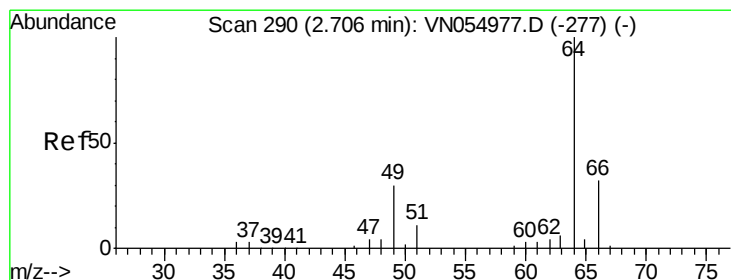
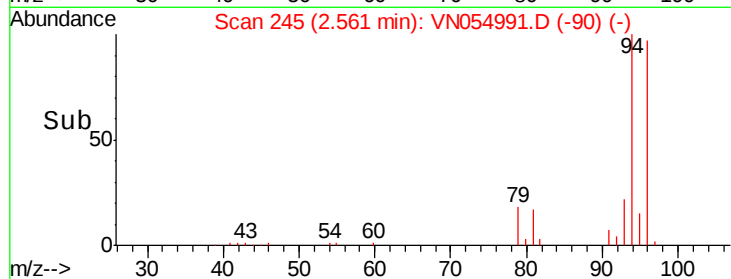
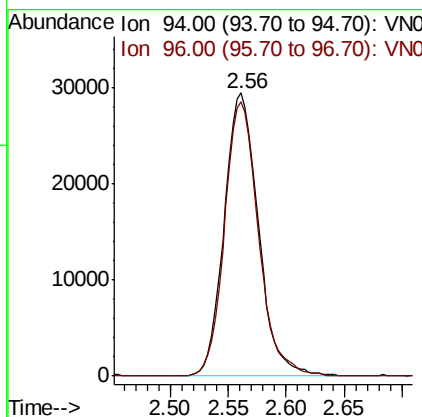
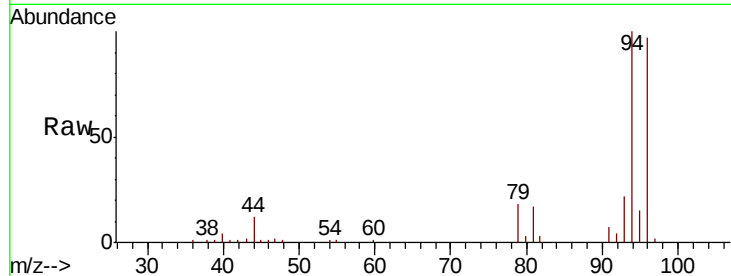




#5
Bromomethane
Concen: 20.216 ug/l
RT: 2.56 min Scan# 245
Delta R.T. -0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

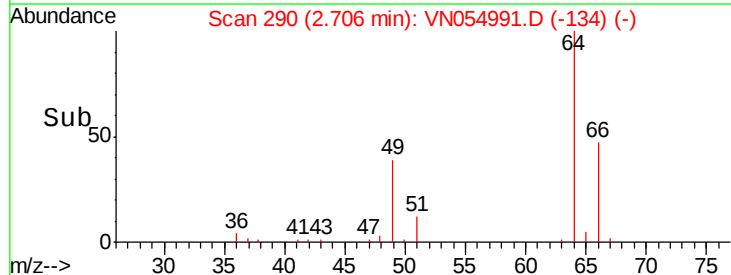
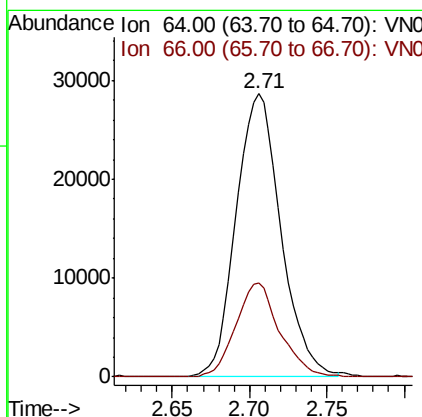
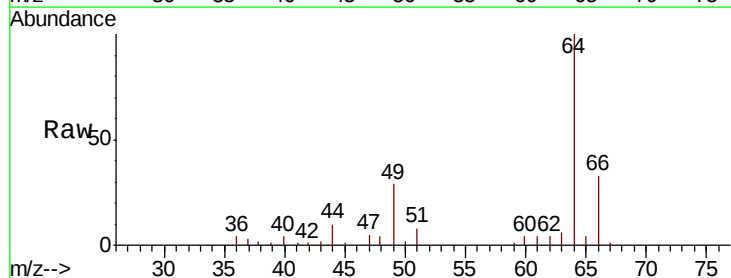
Instrument :
MSVOA_N
ClientSampleId :

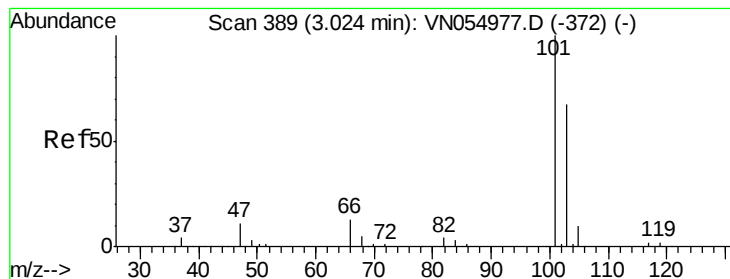
Tot Ion: 94 Resp: 60193
Ion Ratio Lower Upper
94 100
96 96.9 79.1 118.7



#6
Chloroethane
Concen: 20.032 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion: 64 Resp: 57751
Ion Ratio Lower Upper
64 100
66 33.0 25.7 38.5



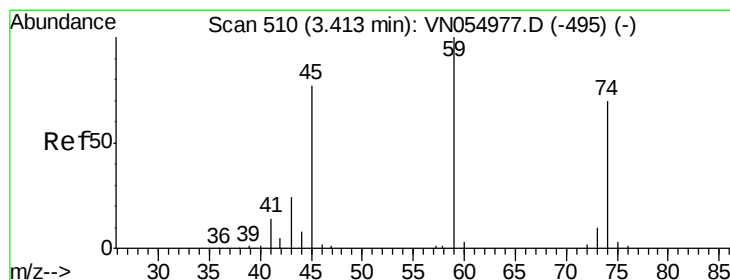
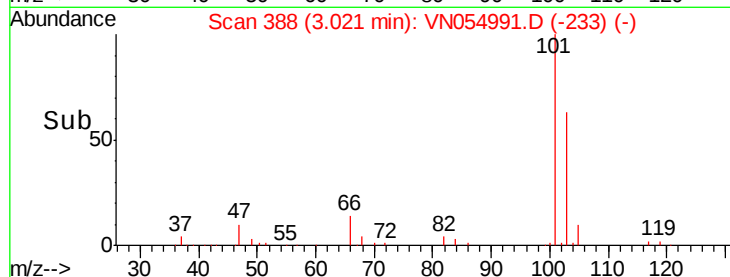
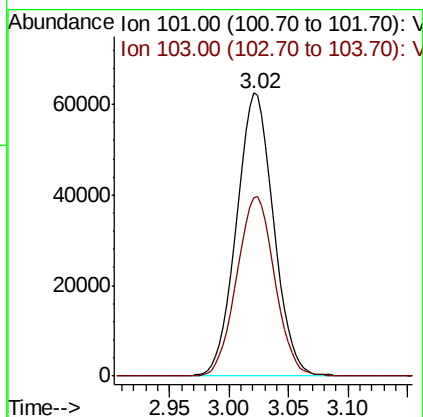
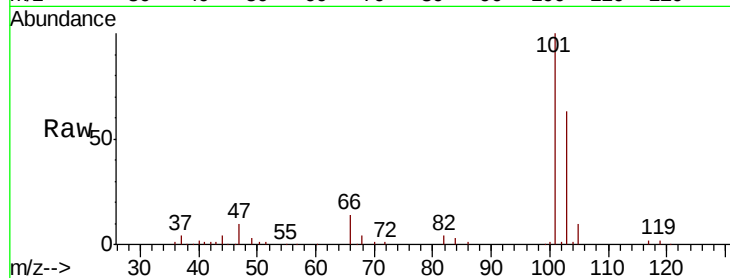


#7

Trichlorofluoromethane
Concen: 20.565 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Instrument :
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ClientSampleId :

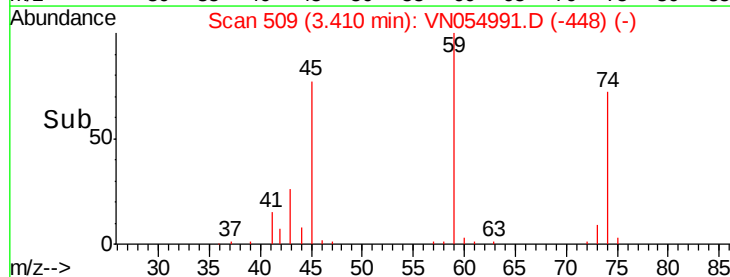
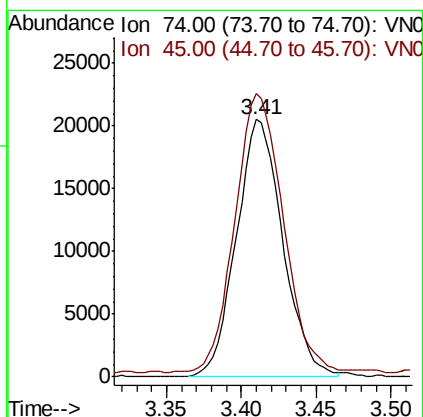
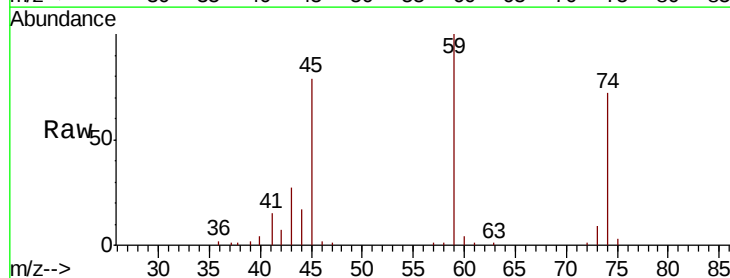
Tot Ion:101 Resp: 135277
Ion Ratio Lower Upper
101 100
103 63.3 53.4 80.0

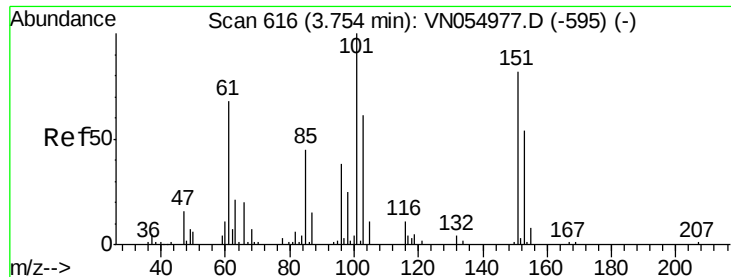


#8

Diethyl Ether
Concen: 20.972 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion: 74 Resp: 44295
Ion Ratio Lower Upper
74 100
45 113.0 22.9 205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.998 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Instrument :

MSVOA_N

ClientSampled :

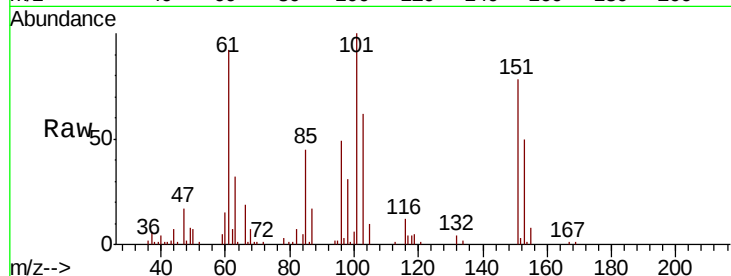
Tot Ion:101 Resp: 75505

Ion Ratio Lower Upper

101 100

85 45.3 0.0 91.4

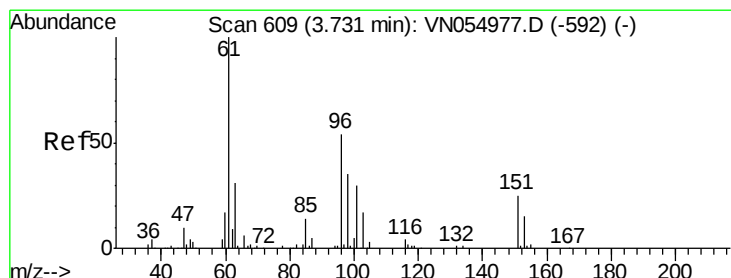
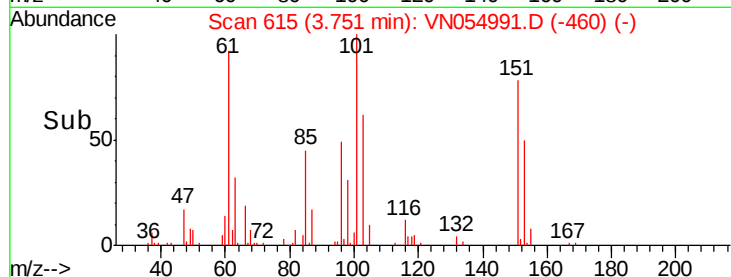
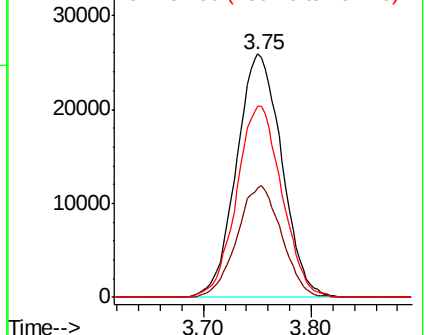
151 78.7 0.0 165.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.849 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

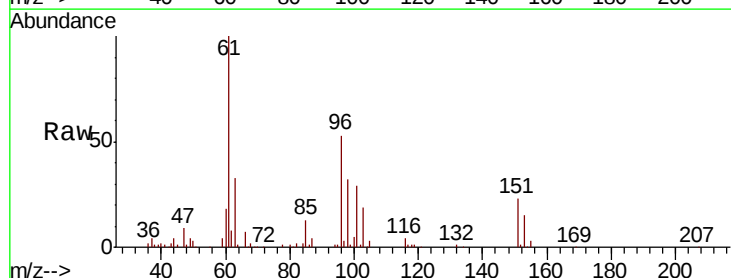
Tgt Ion: 96 Resp: 65988

Ion Ratio Lower Upper

96 100

61 190.2 148.4 222.6

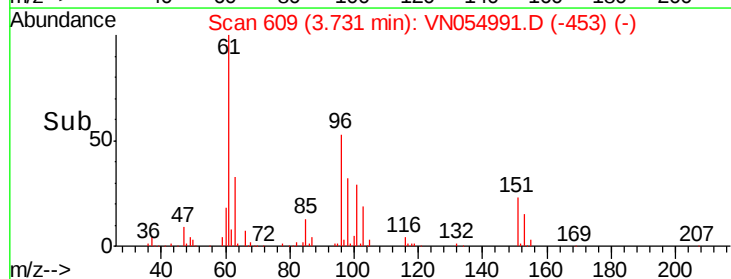
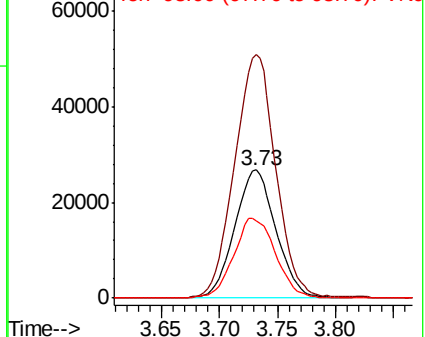
98 60.1 52.2 78.2

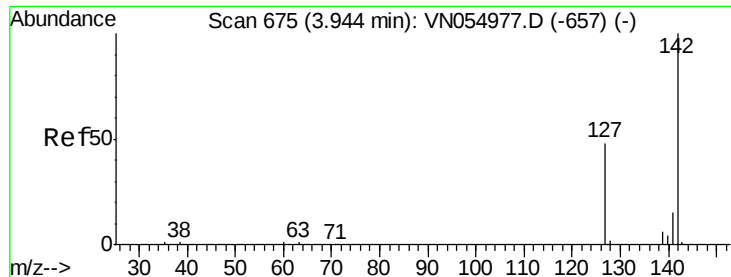


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

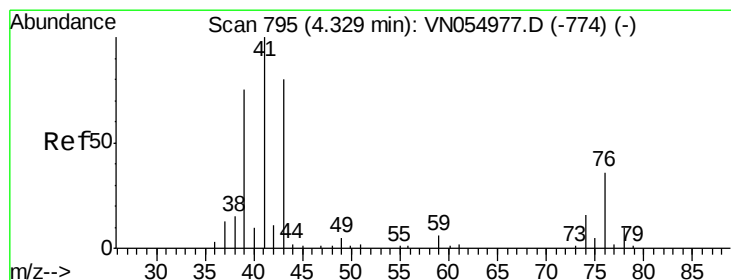
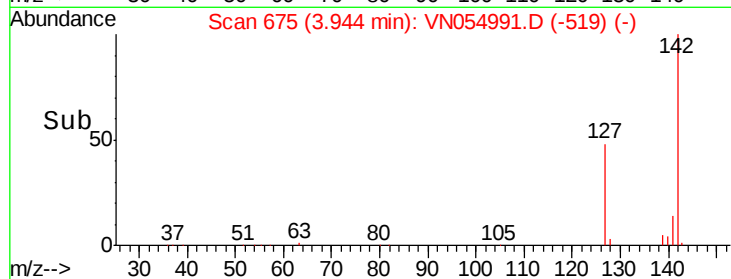
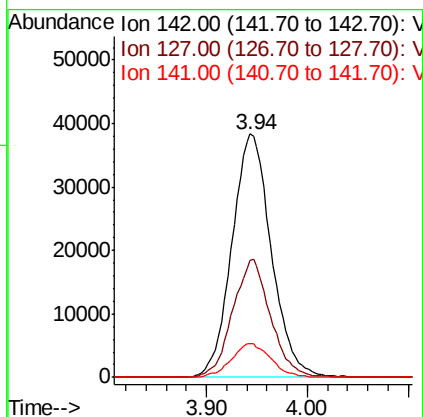
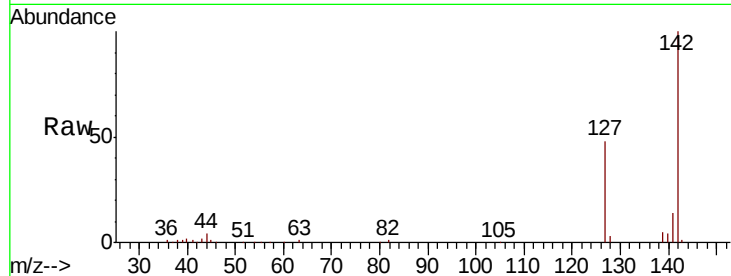




#11
Methvl Iodide
Concen: 20.620 ug/l
RT: 3.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

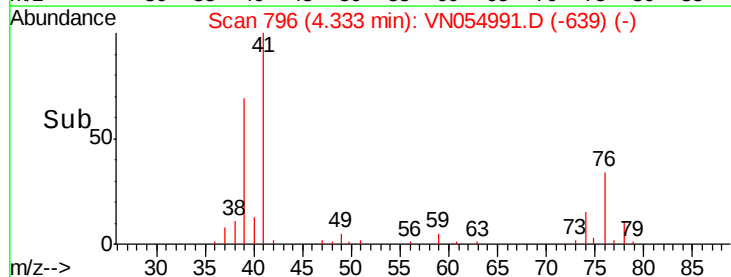
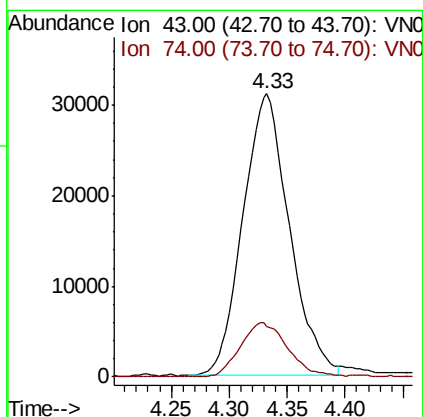
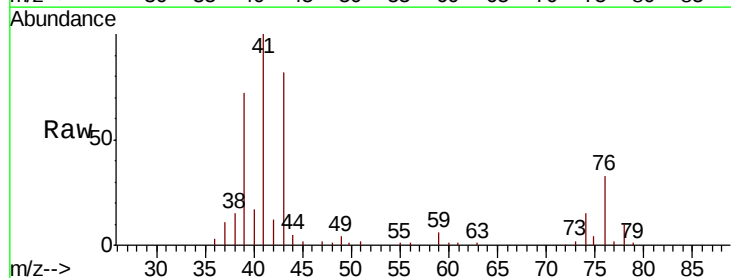
Instrument :
MSVOA_N
ClientSampled :

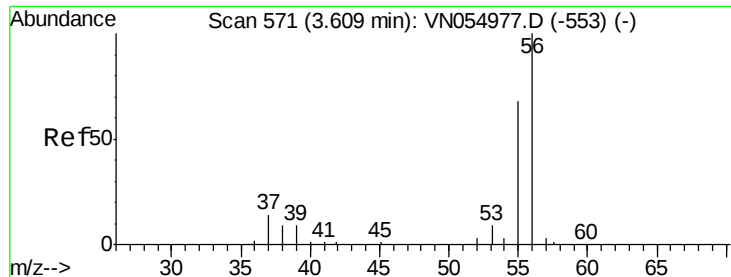
Tot Ion:142 Resp: 103741
Ion Ratio Lower Upper
142 100
127 47.8 23.8 71.5
141 14.0 7.3 22.0



#12
Methyl Acetate
Concen: 21.178 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion: 43 Resp: 86598
Ion Ratio Lower Upper
43 100
74 18.1 16.2 24.4





#13

Acrolein

Concen: 90.242 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Instrument :

MSVOA_N

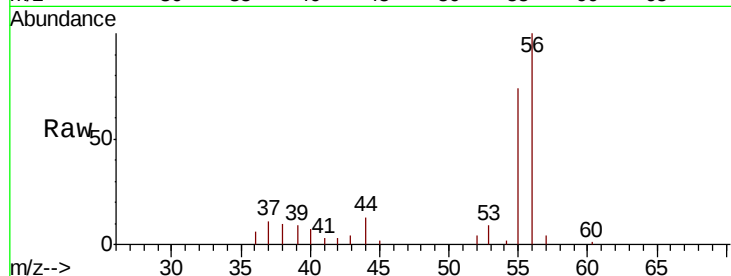
ClientSampled :

Tot Ion: 56 Resp: 32341

Ion Ratio Lower Upper

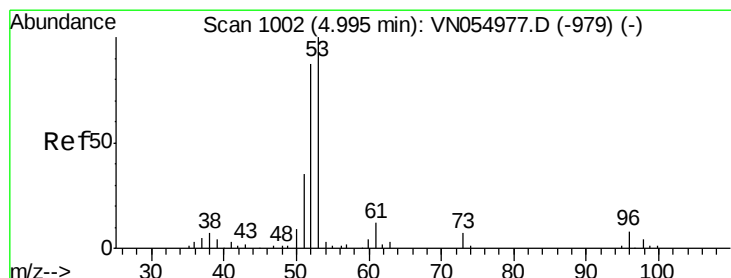
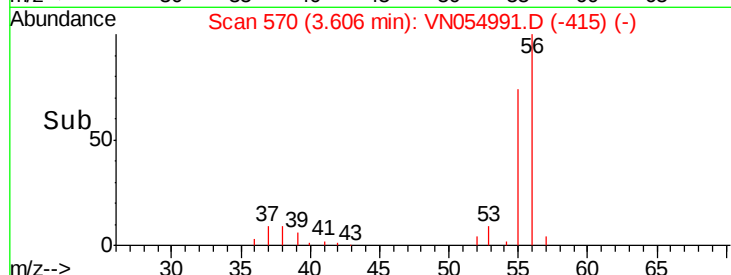
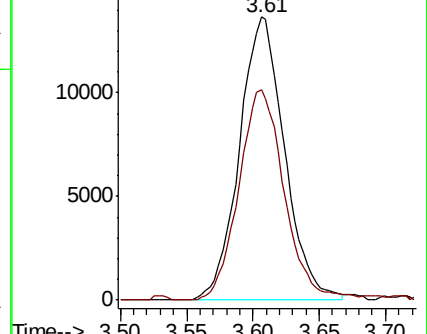
56 100

55 74.9 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: 102.166 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

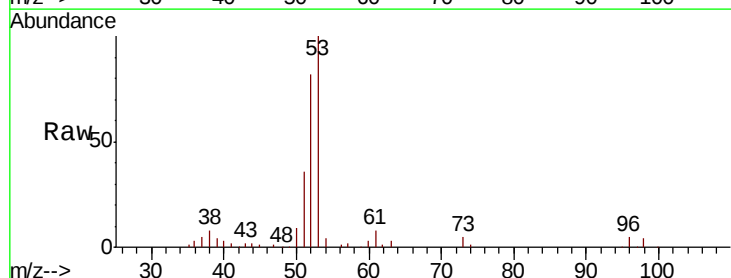
Tgt Ion: 53 Resp: 171160

Ion Ratio Lower Upper

53 100

52 82.3 42.3 126.8

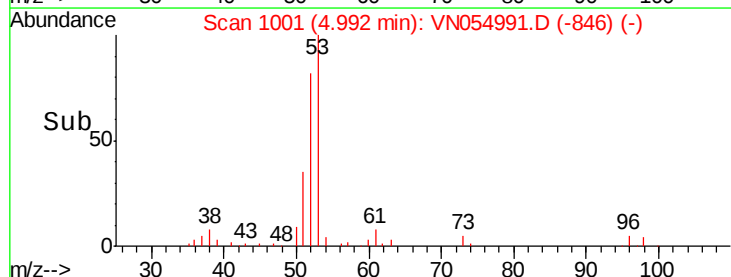
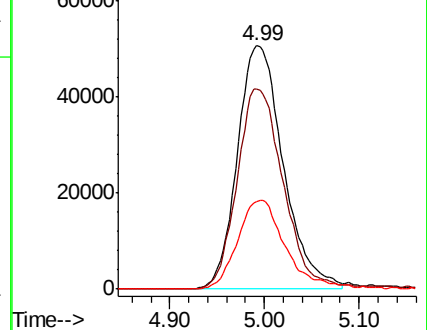
51 36.4 18.6 56.0

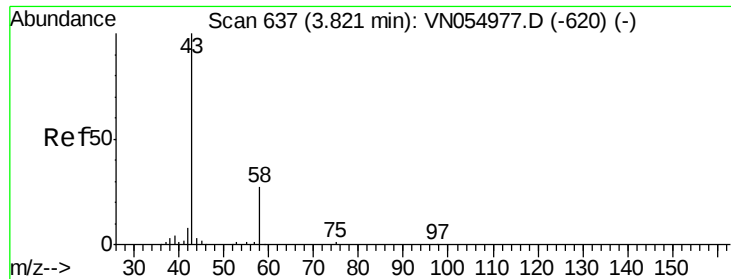


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 99.438 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Instrument :

MSVOA_N

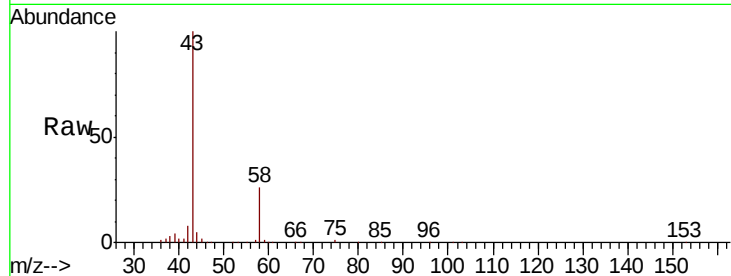
ClientSampleId :

Tot Ion: 58 Resp: 41223

Ion Ratio Lower Upper

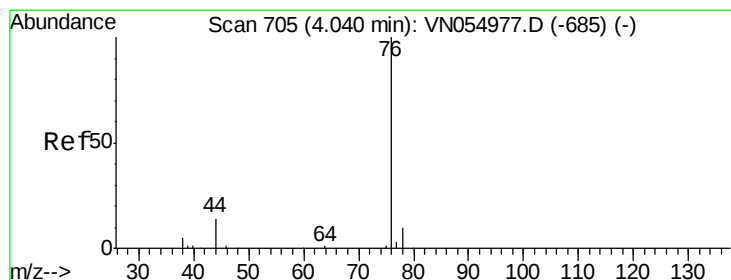
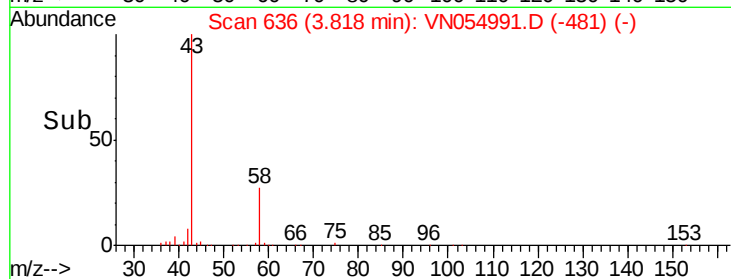
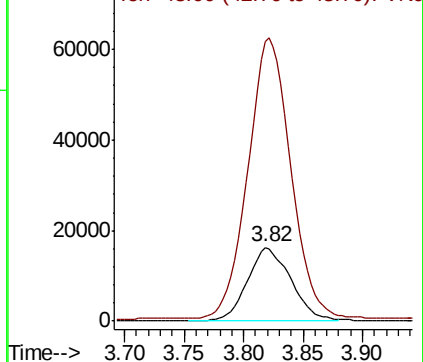
58 100

43 375.9 297.2 445.8



Abundance Ion 58.00 (57.70 to 58.70): VN054977.D (-620) (-)

Ion 43.00 (42.70 to 43.70): VN054977.D (-620) (-)



#16

Carbon Disulfide

Concen: 19.229 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN054991.D

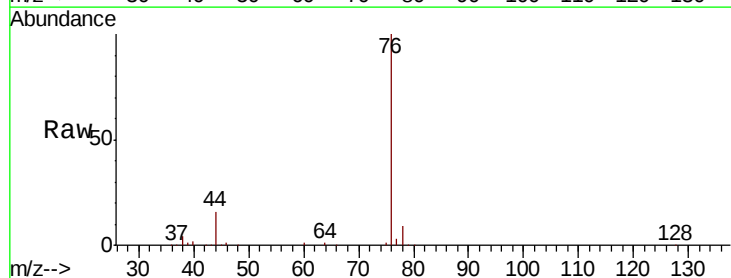
Acq: 12 Apr 2019 10:44

Tgt Ion: 76 Resp: 214429

Ion Ratio Lower Upper

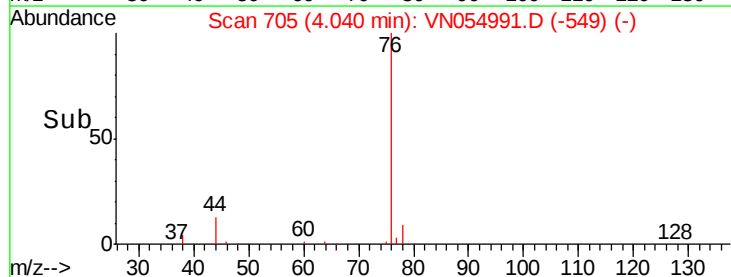
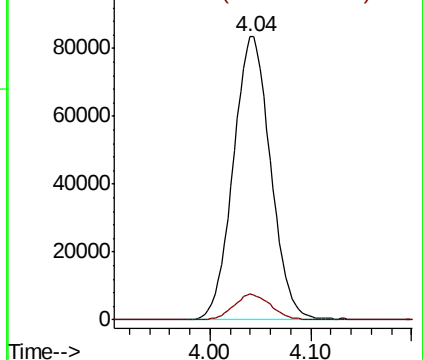
76 100

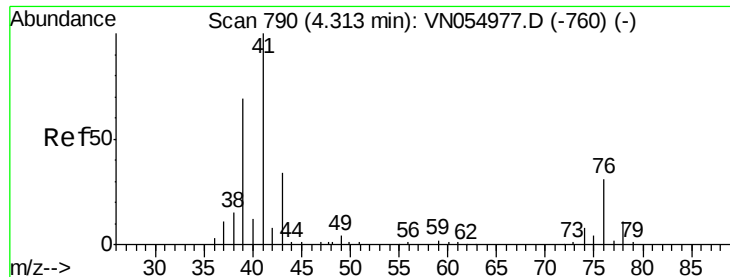
78 9.1 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VN054977.D (-685) (-)

Ion 78.00 (77.70 to 78.70): VN054977.D (-685) (-)

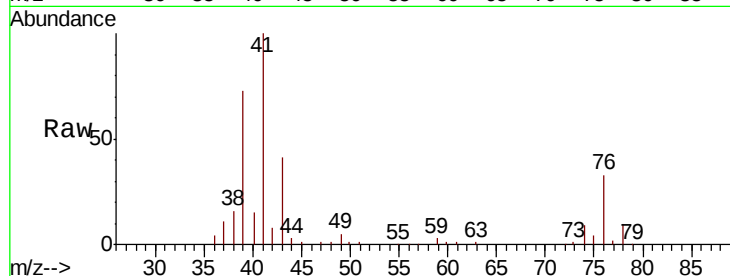




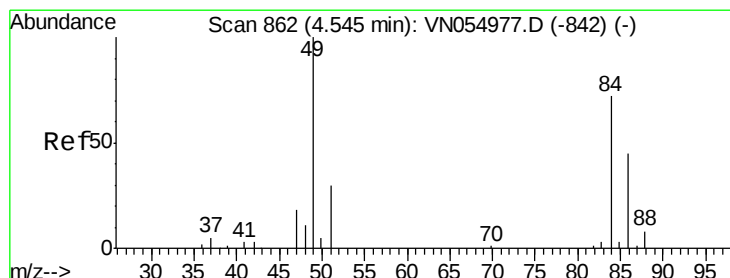
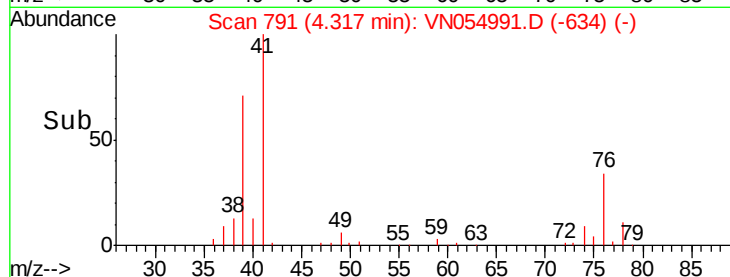
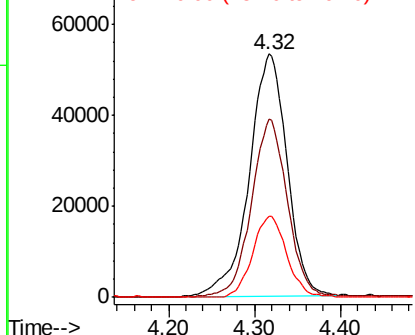
#17
Allvl chloride
Concen: 20.003 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 163767
Ion Ratio Lower Upper
41 100
39 73.1 34.3 102.9
76 33.3 15.8 47.3

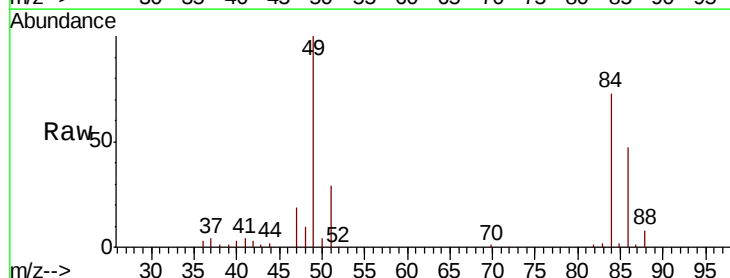


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 76.00 (75.70 to 76.70): VNC

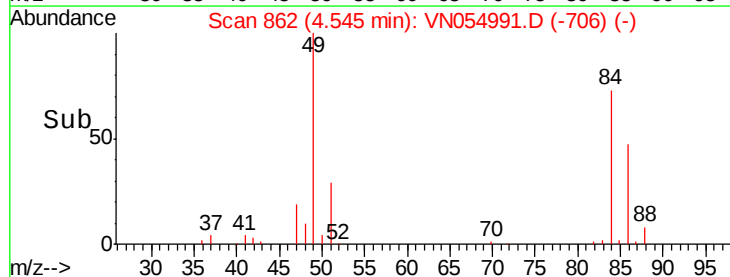
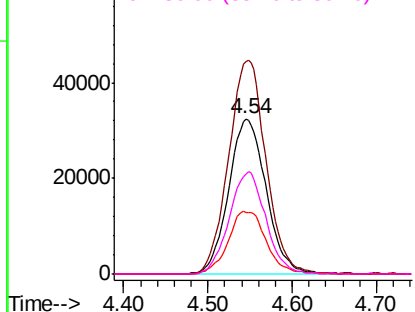


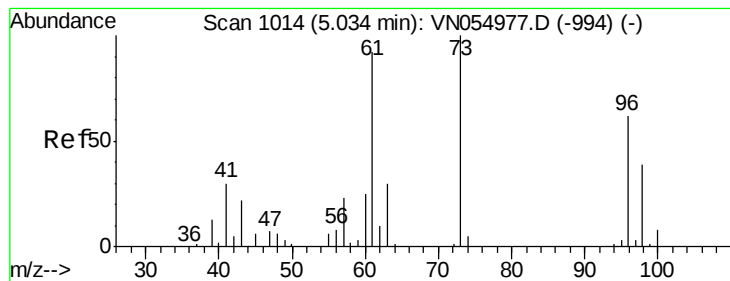
#18
Methylene Chloride
Concen: 20.399 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion: 84 Resp: 100243
Ion Ratio Lower Upper
84 100
49 137.2 111.0 166.4
51 39.8 33.4 50.2
86 64.6 49.5 74.3



Abundance Ion 84.00 (83.70 to 84.70): VNC
Ion 49.00 (48.70 to 49.70): VNC
Ion 51.00 (50.70 to 51.70): VNC
Ion 86.00 (85.70 to 86.70): VNC





#19

trans-1,2-Dichloroethene

Concen: 20.306 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Instrument :
MSVOA_N
ClientSampled :

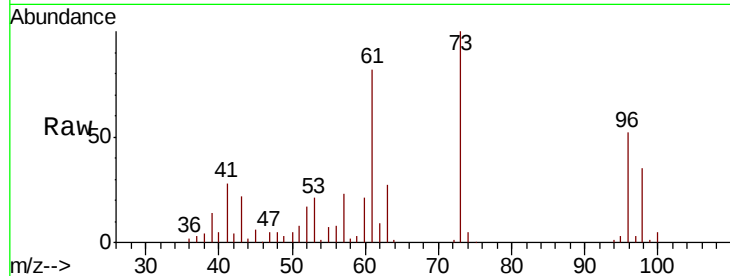
Tot Ion: 96 Resp: 87878

Ion Ratio Lower Upper

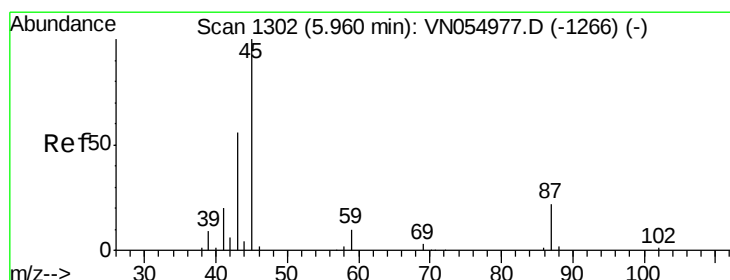
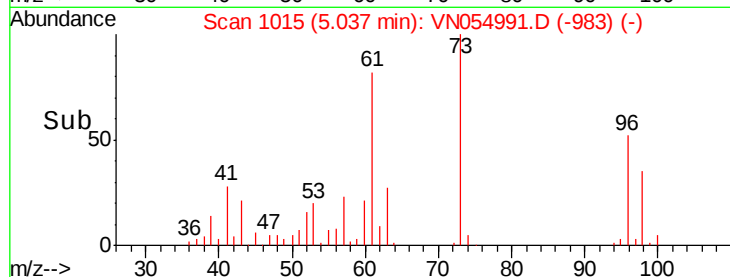
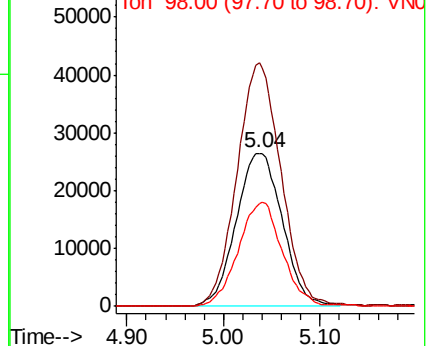
96 100

61 159.4 117.2 175.8

98 67.0 49.4 74.2



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



#20

Diisopropyl ether

Concen: 20.366 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Tgt Ion: 45 Resp: 337780

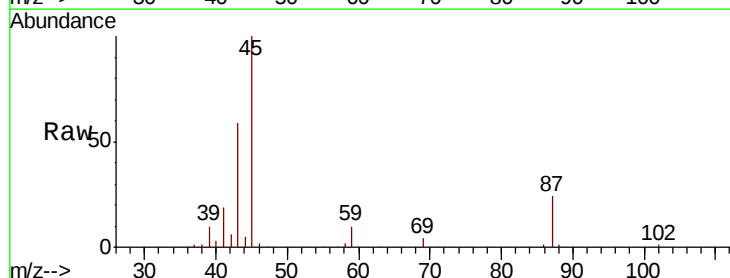
Ion Ratio Lower Upper

45 100

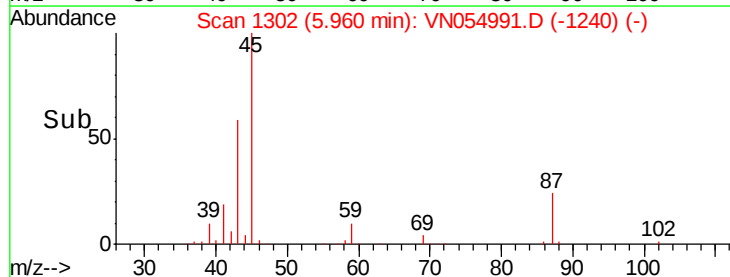
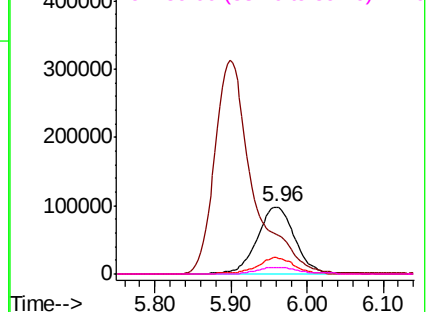
43 56.9 45.8 68.8

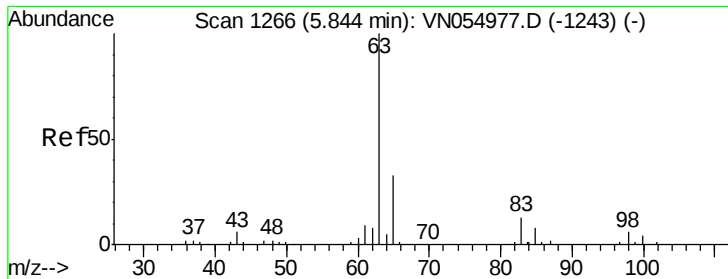
87 23.7 18.2 27.4

59 9.9 8.2 12.2



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





#21

1,1-Dichloroethane

Concen: 20.542 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

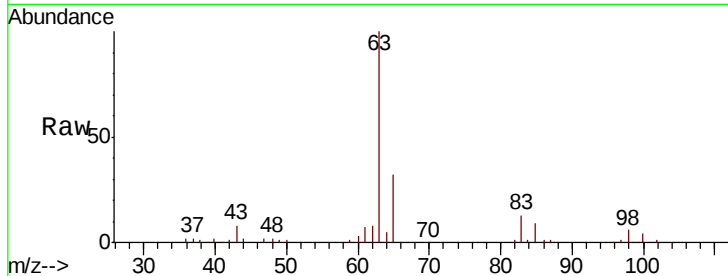
Tot Ion: 63 Resp: 181972

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.7

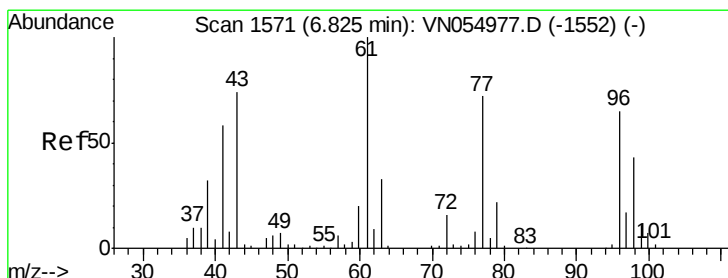
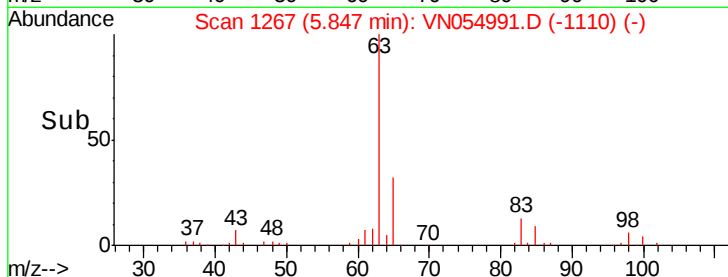
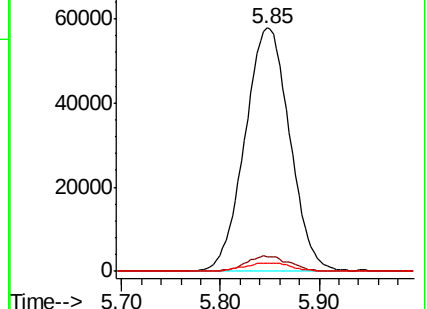
100 3.6 2.0 5.8



Abundance Ion 63.00 (62.70 to 63.70): VN054977.D (-1243) (-)

Ion 98.00 (97.70 to 98.70): VN054977.D (-1243) (-)

Ion 100.00 (99.70 to 100.70): VN054977.D (-1243) (-)



#22

cis-1,2-Dichloroethene

Concen: 20.473 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

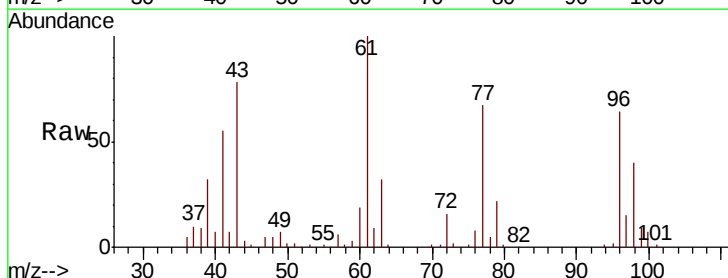
Tgt Ion: 96 Resp: 102984

Ion Ratio Lower Upper

96 100

61 155.3 125.0 187.6

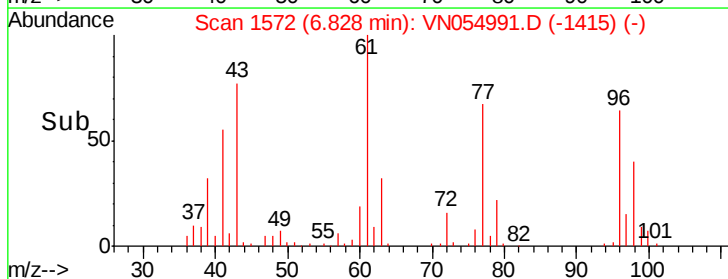
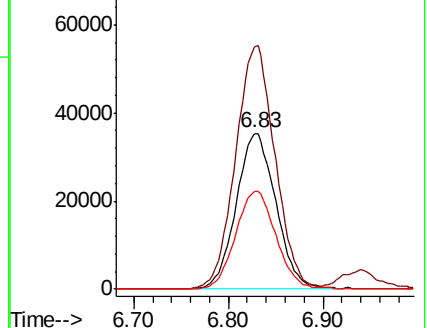
98 63.9 52.2 78.2

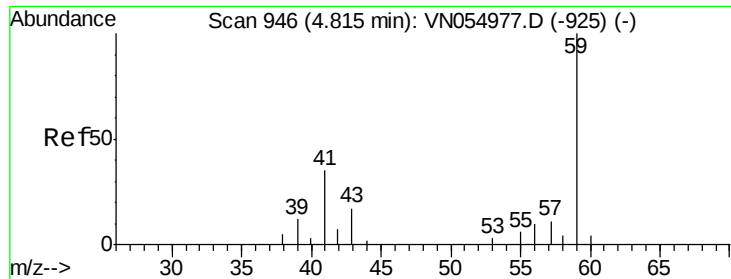


Abundance Ion 96.00 (95.70 to 96.70): VN054977.D (-1552) (-)

Ion 61.00 (60.70 to 61.70): VN054977.D (-1552) (-)

Ion 98.00 (97.70 to 98.70): VN054977.D (-1552) (-)

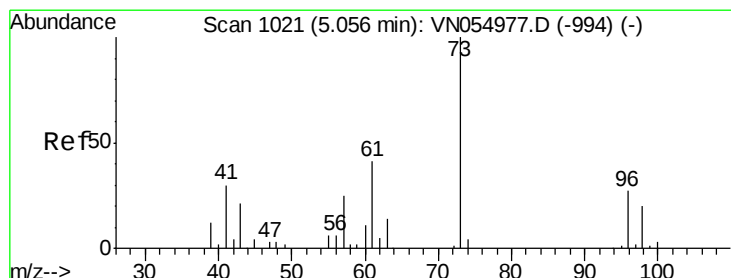
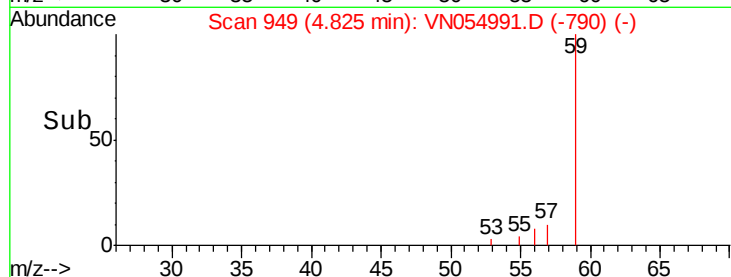
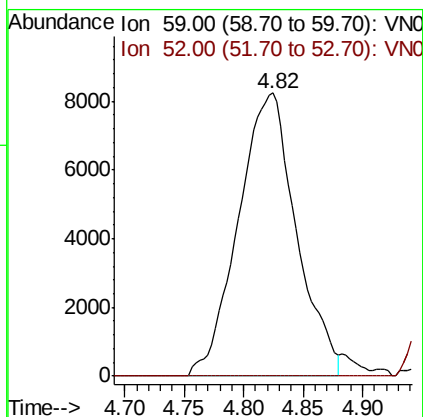
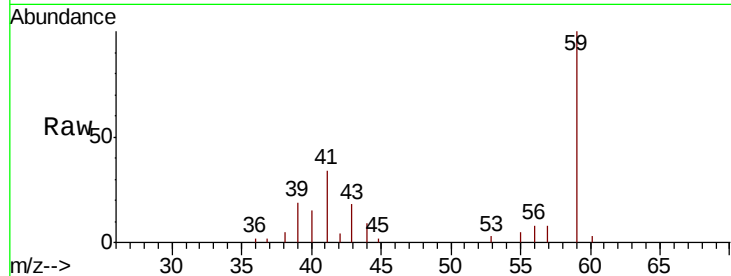




#23
 tert-Butyl Alcohol
 Concen: 104.342 ug/l
 RT: 4.82 min Scan# 949
 Delta R.T. 0.01 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

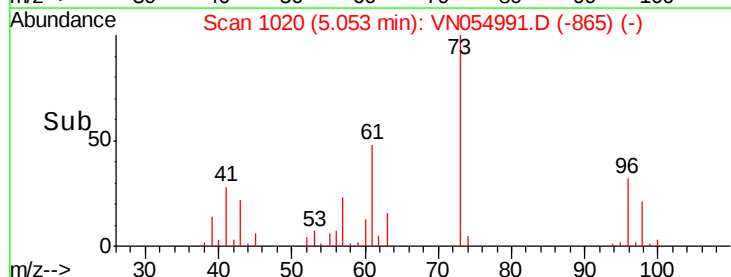
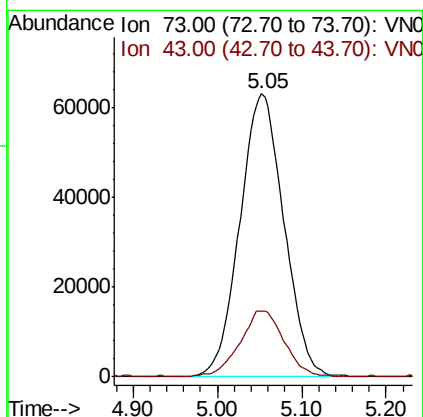
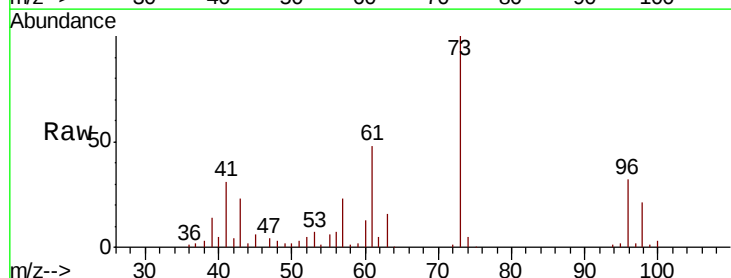
Instrument :
 MSVOA_N
 ClientSampled :

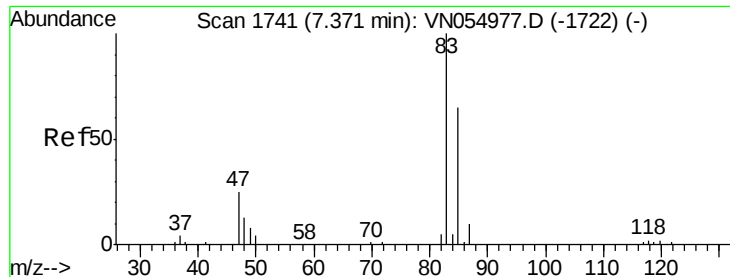
Tot Ion: 59 Resp: 27873
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



#24
 Methyl tert-Butyl Ether
 Concen: 20.538 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Tgt Ion: 73 Resp: 229269
 Ion Ratio Lower Upper
 73 100
 43 21.9 8.0 12.0#

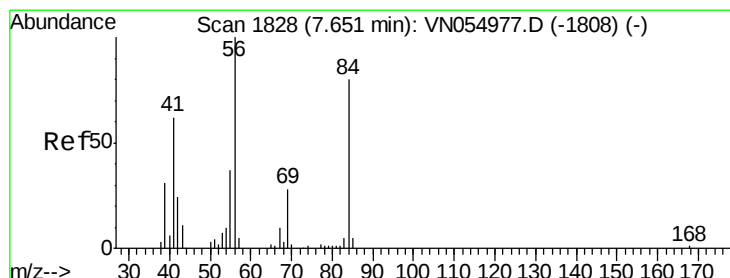
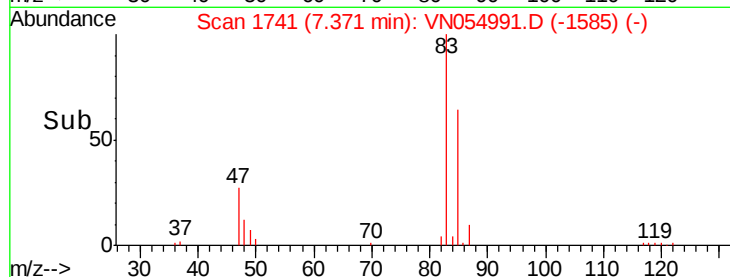
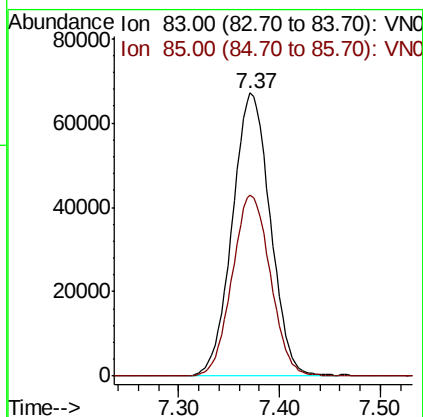
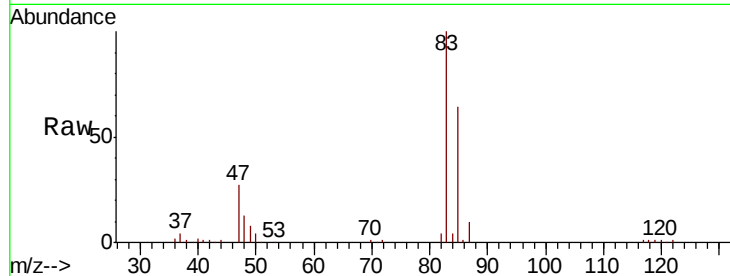




#25
Chloroform
Concen: 20.670 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

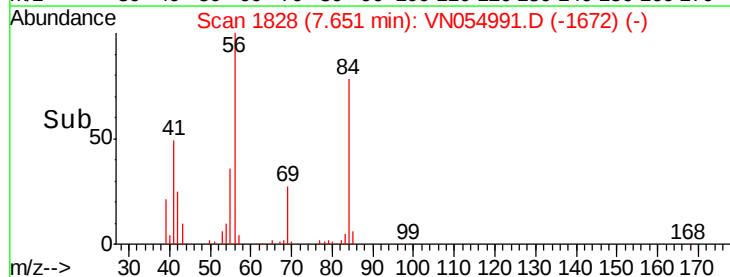
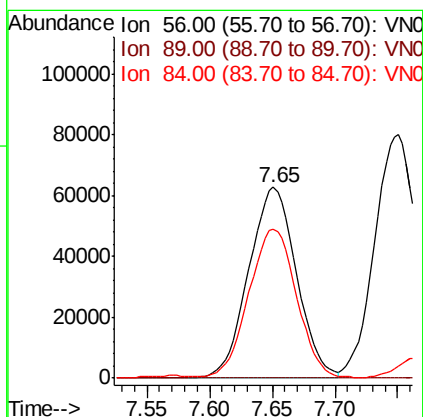
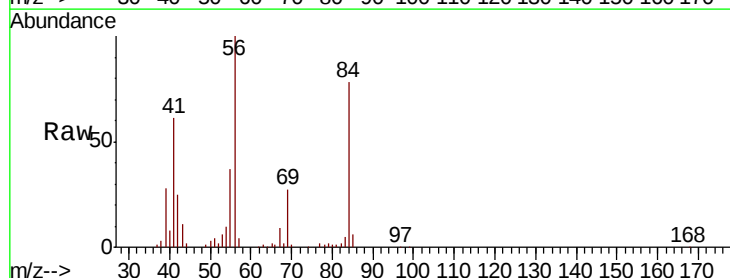
Instrument :
MSVOA_N
ClientSampleId :

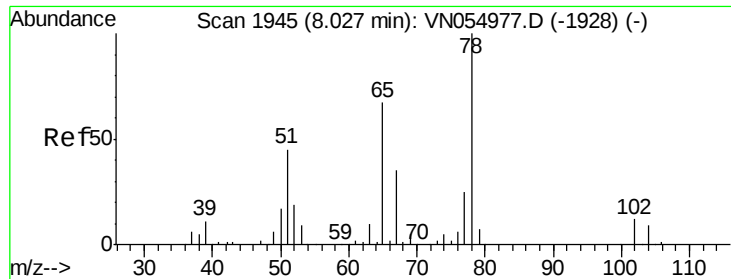
Tot Ion: 83 Resp: 175399
Ion Ratio Lower Upper
83 100
85 64.0 51.8 77.8



#26
Cyclohexane
Concen: 20.167 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion: 56 Resp: 165761
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 78.4 63.5 95.3

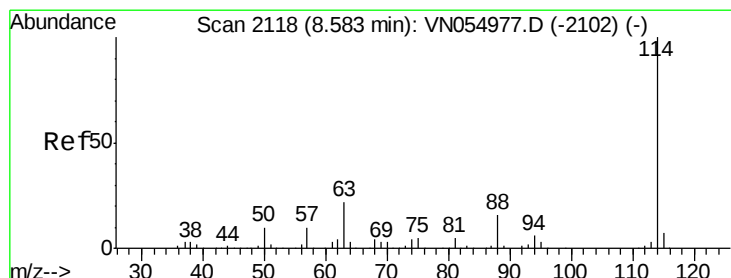
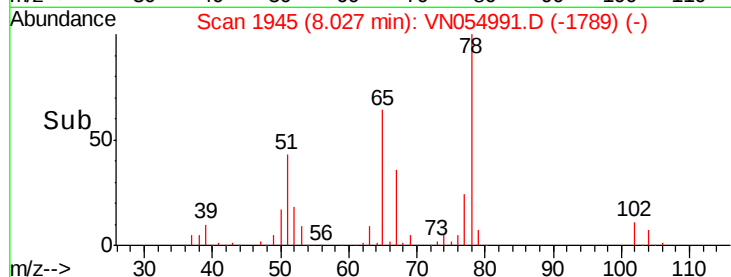
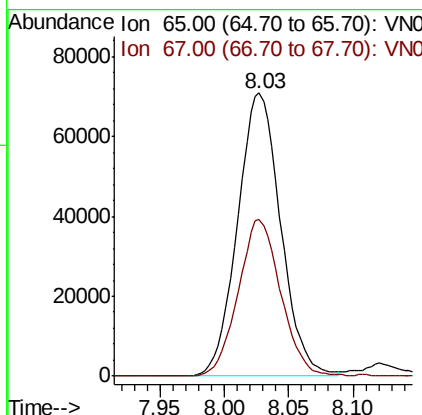
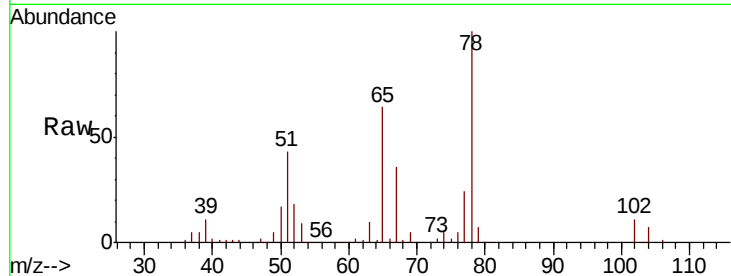




#27
 1,2-Dichloroethane-d4
 Concen: 20.167 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

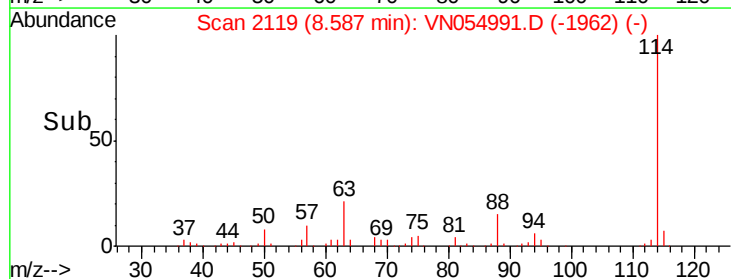
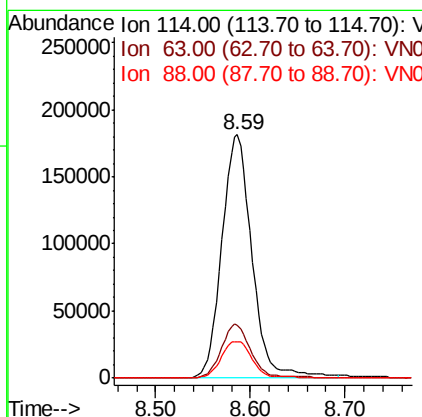
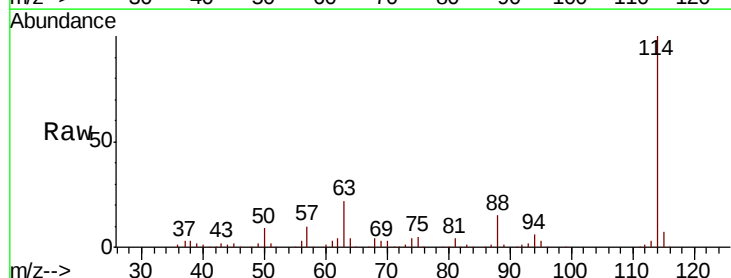
Instrument :
 MSVOA_N
 ClientSampled :

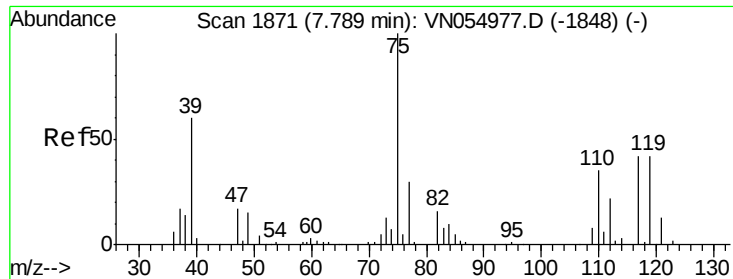
Tot Ion: 65 Resp: 165313
 Ion Ratio Lower Upper
 65 100
 67 54.4 41.8 62.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Tgt Ion: 114 Resp: 402346
 Ion Ratio Lower Upper
 114 100
 63 21.2 17.0 25.4
 88 15.6 12.3 18.5





#29

1,1-Dichloropropene

Concen: 21.245 ug/l

RT: 7.79 min Scan# 1872

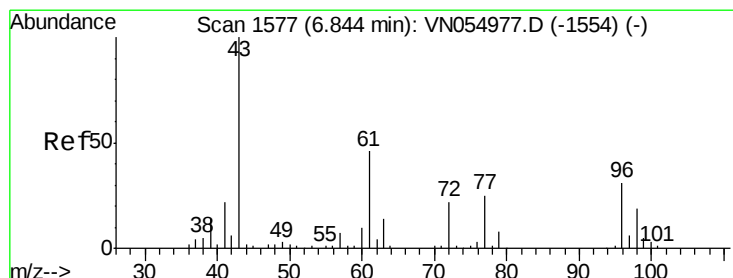
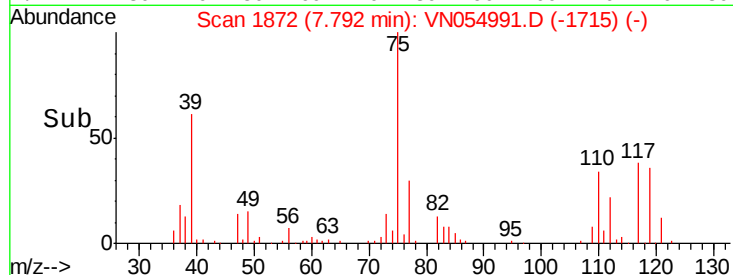
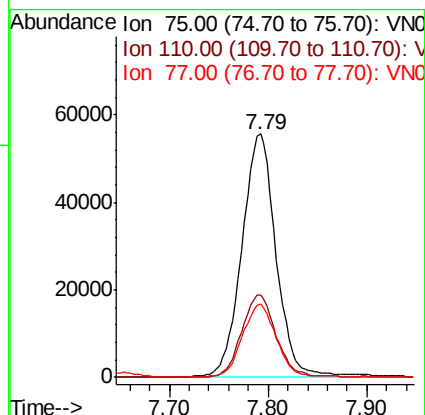
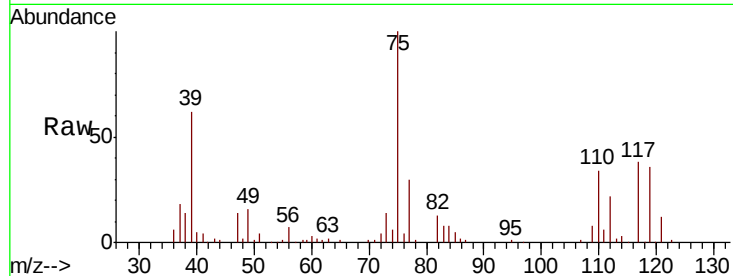
Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	75	Resp:	133121
Ion	Ratio	Lower	Upper
75	100		
110	33.9	0.0	68.4
77	29.8	0.0	58.6



#30

2-Butanone

Concen: 104.860 ug/l

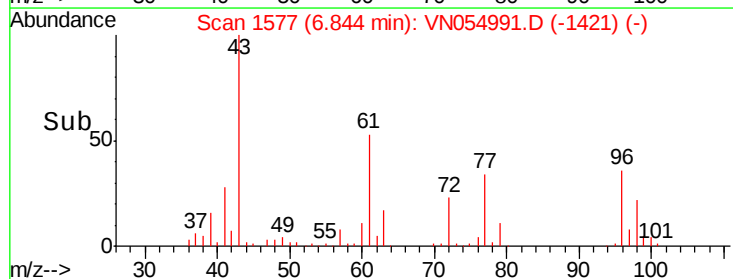
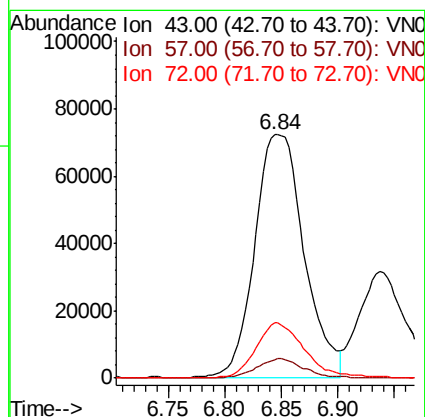
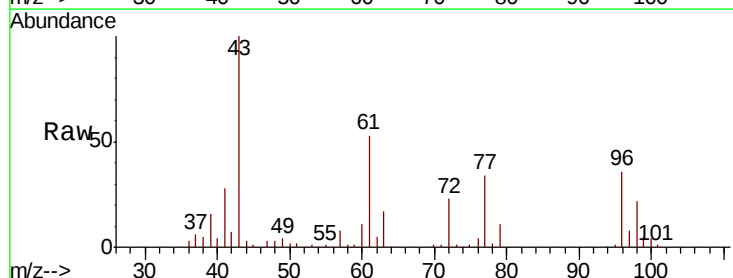
RT: 6.84 min Scan# 1577

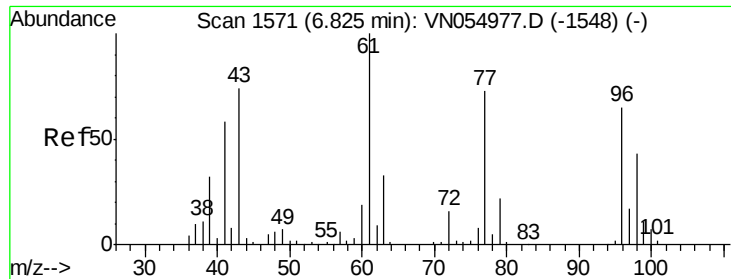
Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Tgt Ion:	43	Resp:	218105
Ion	Ratio	Lower	Upper
43	100		
57	7.8	6.0	9.0
72	22.4	18.6	27.8

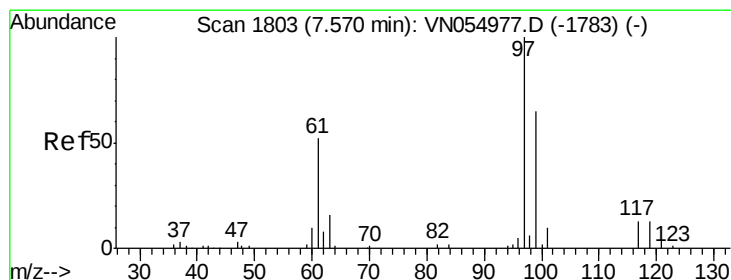
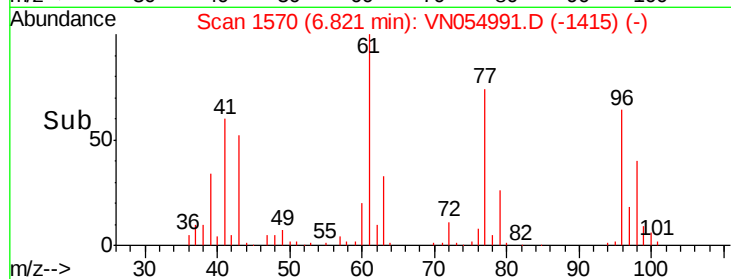
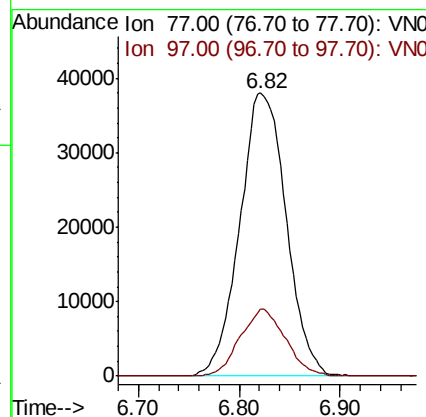
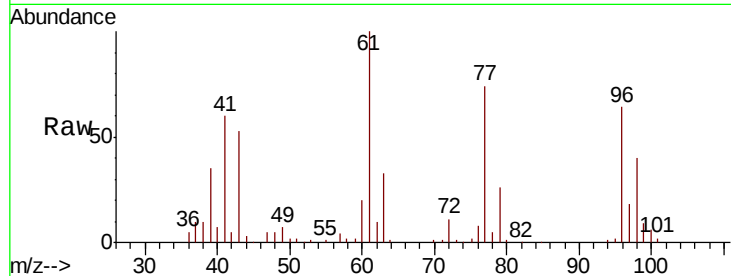




#31
 2,2-Dichloropropane
 Concen: 21.072 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

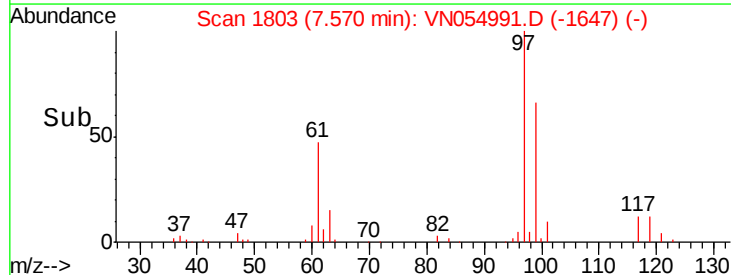
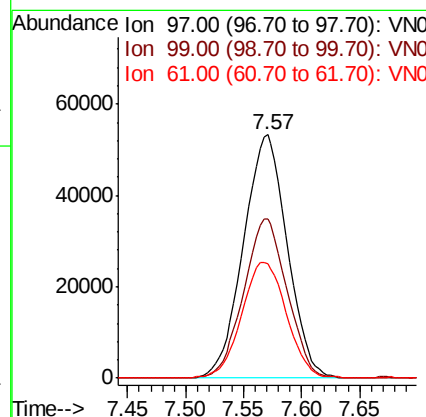
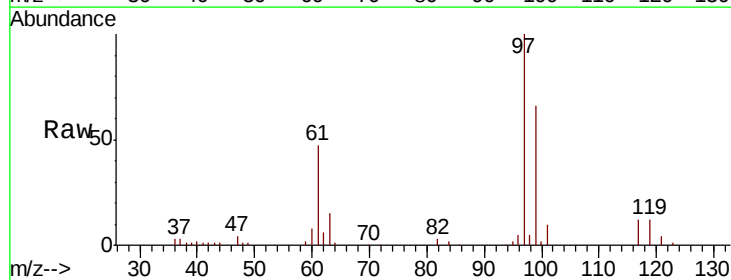
Instrument :
 MSVOA_N
 ClientSampleId :

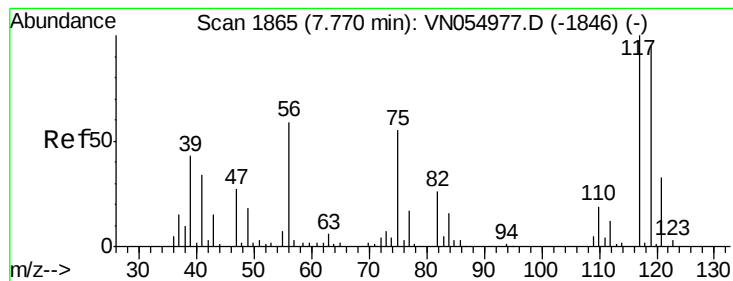
Tot Ion: 77 Resp: 121528
 Ion Ratio Lower Upper
 77 100
 97 23.0 0.0 0.0#



#32
 1,1,1-Trichloroethane
 Concen: 21.182 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Tgt Ion: 97 Resp: 140292
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.2 76.8
 61 48.6 40.6 60.8





#33

Carbon Tetrachloride

Concen: 20.255 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

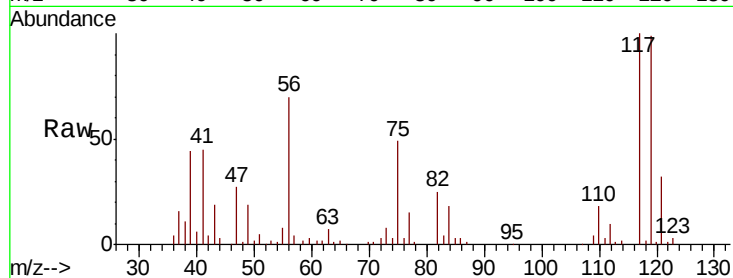
Tot Ion:117 Resp: 116147

Ion Ratio Lower Upper

117 100

119 99.1 76.1 114.1

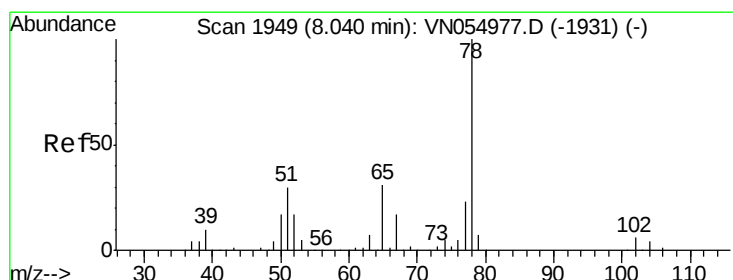
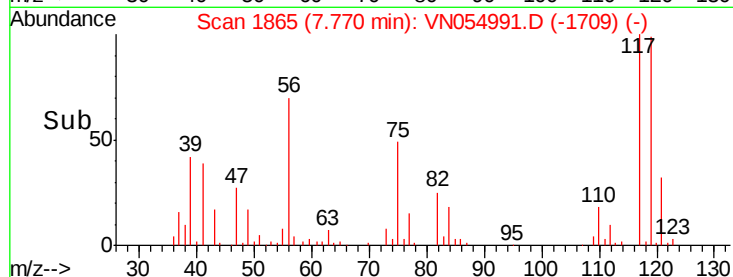
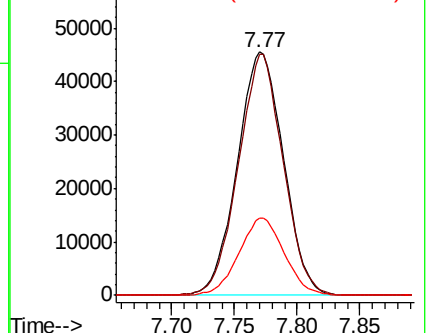
121 31.9 26.2 39.4



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: 20.824 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

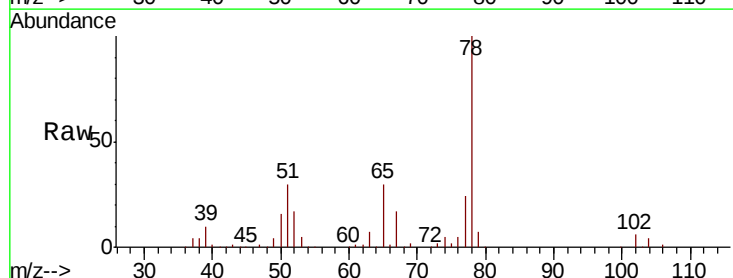
Tgt Ion: 78 Resp: 386686

Ion Ratio Lower Upper

78 100

77 23.8 18.2 27.4

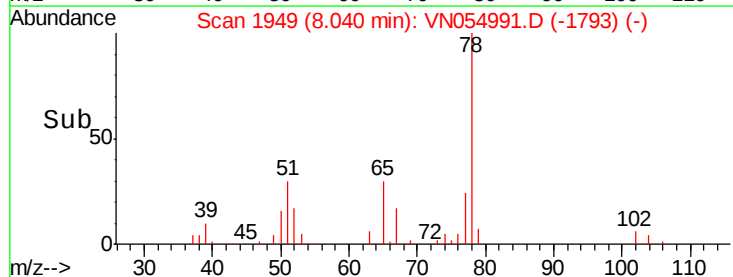
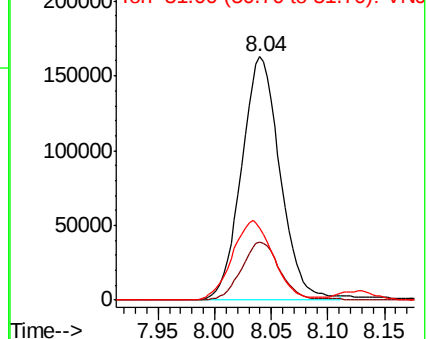
51 29.6 23.7 35.5

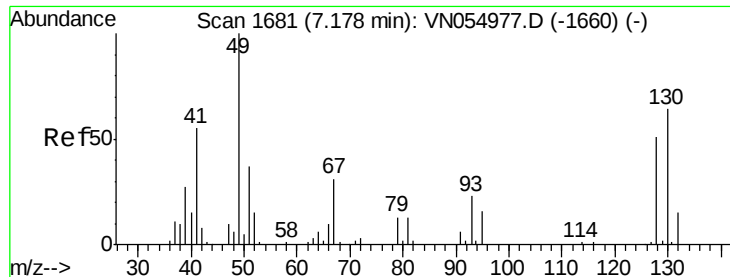


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

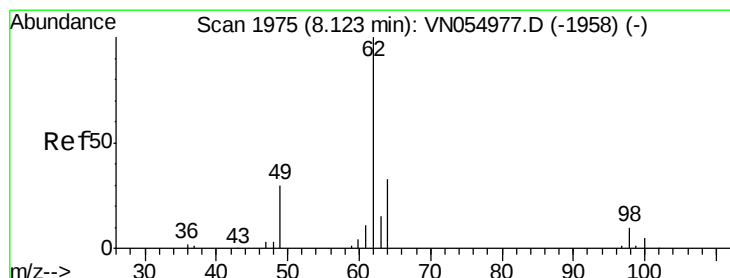
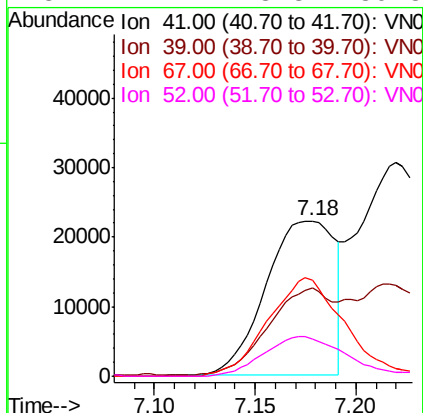
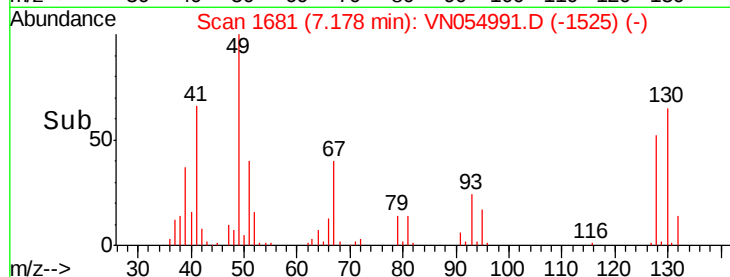
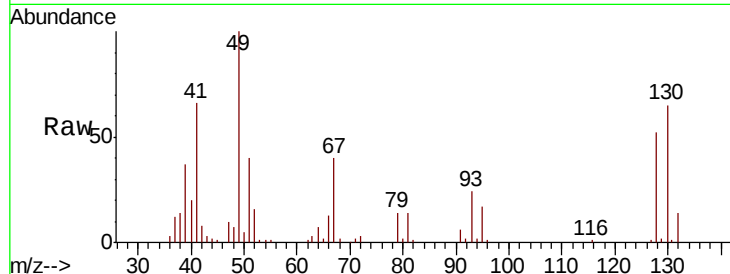




#35
Methacrylonitrile
Concen: 21.343 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

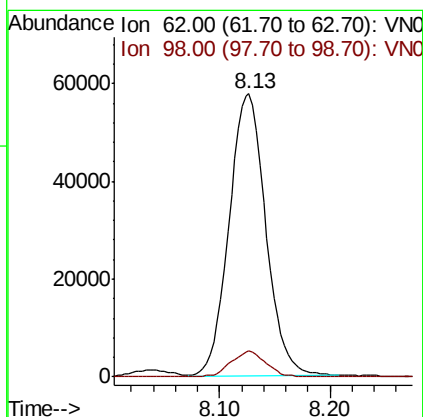
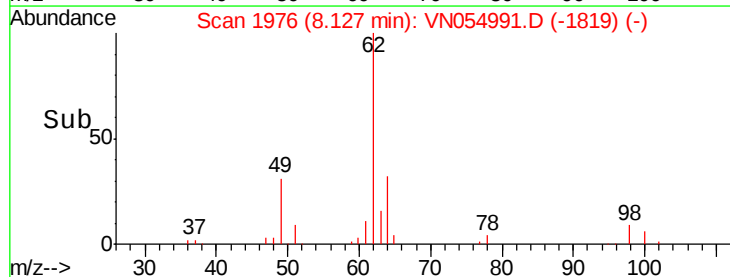
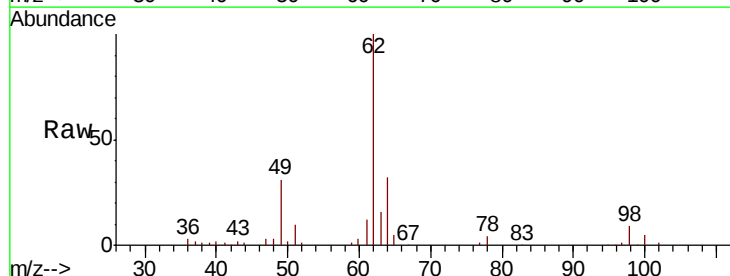
Instrument :
MSVOA_N
ClientSampled :

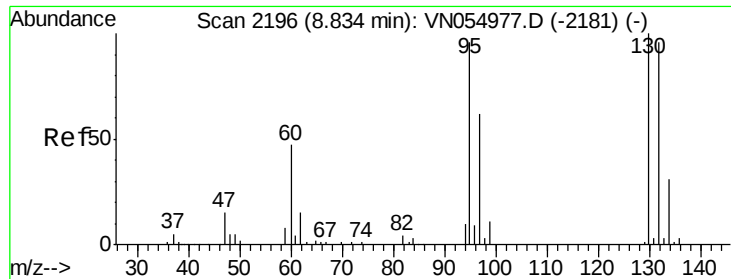
Tot Ion: 41 Resp: 52323
Ion Ratio Lower Upper
41 100
39 56.2 24.2 72.6
67 62.1 28.1 84.2
52 24.2 13.3 39.8



#36
1,2-Dichloroethane
Concen: 21.015 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion: 62 Resp: 133370
Ion Ratio Lower Upper
62 100
98 8.6 6.9 10.3

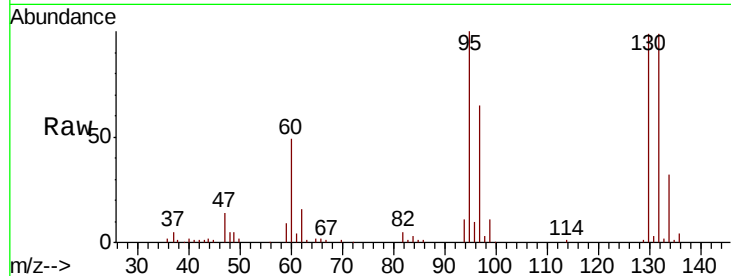




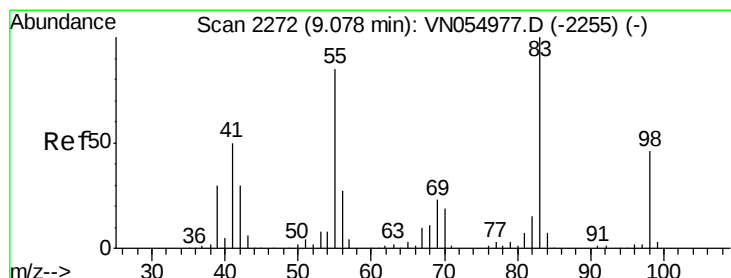
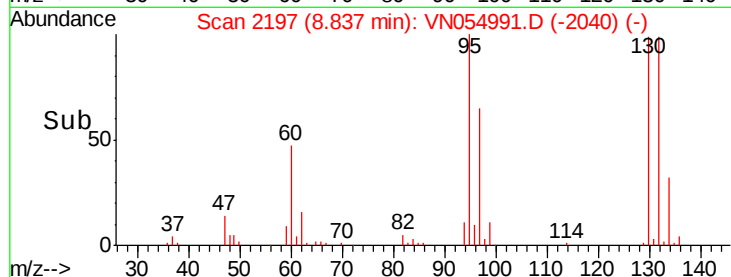
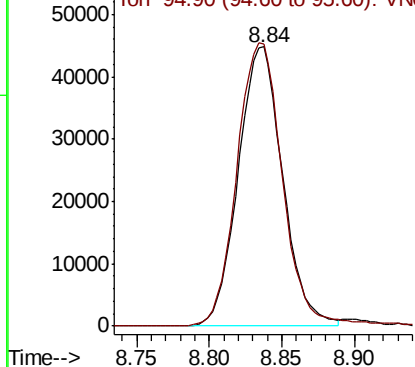
#37
 Trichloroethene
 Concen: 20.199 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:130 Resp: 95620
 Ion Ratio Lower Upper
 130 100
 95 100.9 76.6 115.0

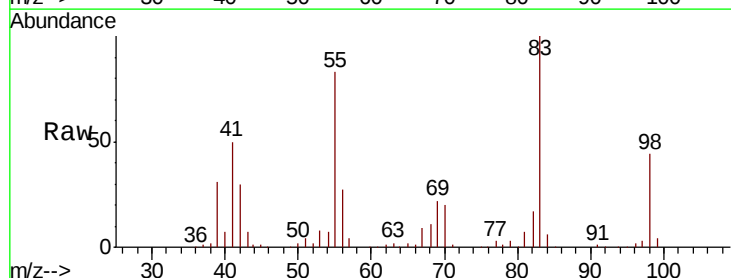


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

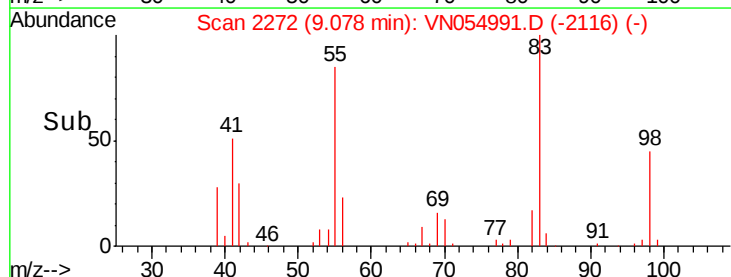
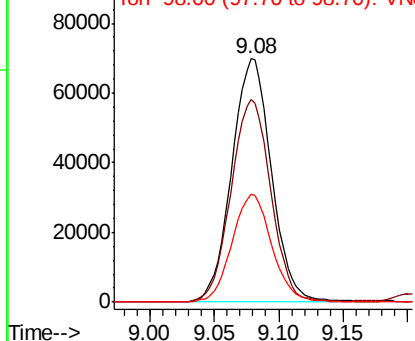


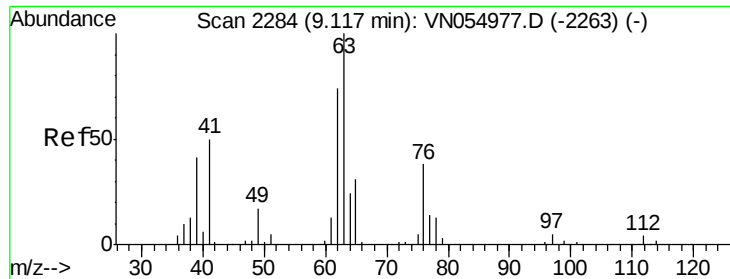
#38
 Methylcyclohexane
 Concen: 20.521 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Tgt Ion: 83 Resp: 149118
 Ion Ratio Lower Upper
 83 100
 55 83.8 41.9 125.6
 98 44.2 22.4 67.0



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

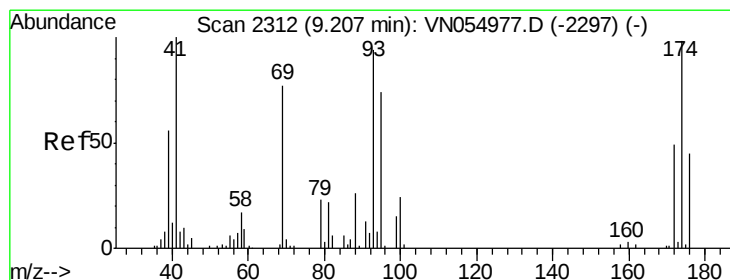
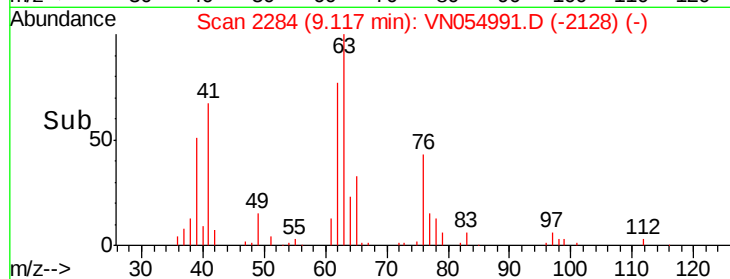
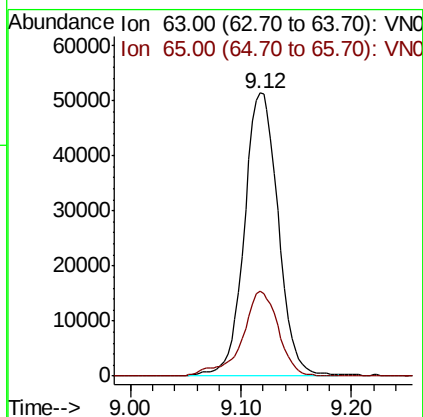
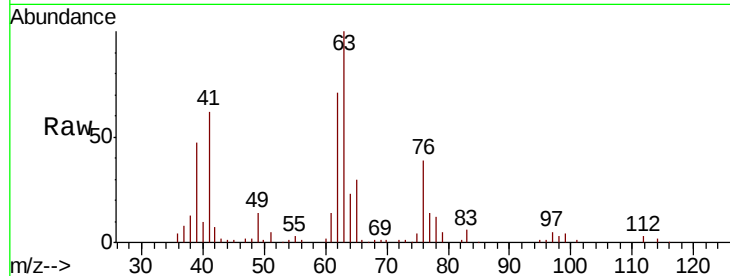




#39
 1,2-Dichloropropane
 Concen: 21.349 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

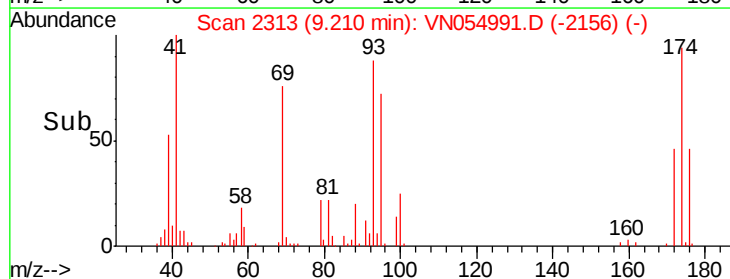
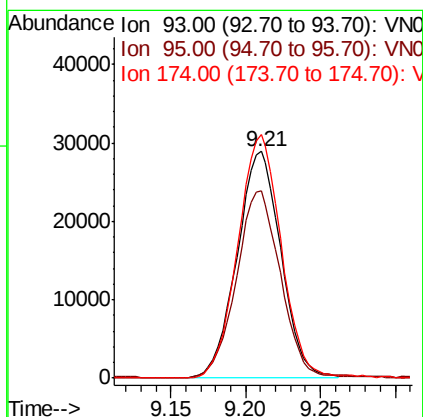
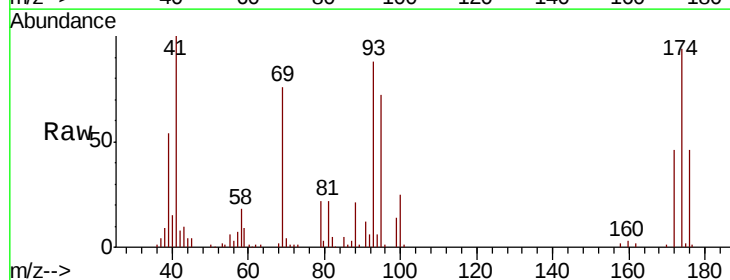
Instrument :
 MSVOA_N
 ClientSampled :

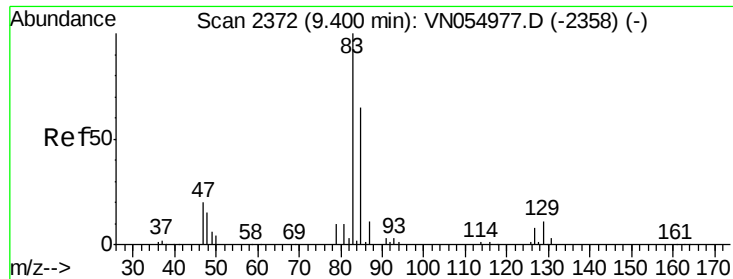
Tot Ion: 63 Resp: 109464
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.8 37.2



#40
 Dibromomethane
 Concen: 20.417 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Tgt Ion: 93 Resp: 59170
 Ion Ratio Lower Upper
 93 100
 95 82.7 0.0 160.8
 174 105.7 0.0 206.4





#41

Bromodichloromethane

Concen: 20.667 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

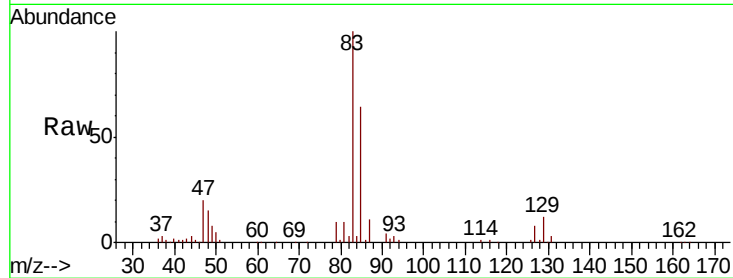
Tot Ion: 83 Resp: 123614

Ion Ratio Lower Upper

83 100

85 64.1 52.0 78.0

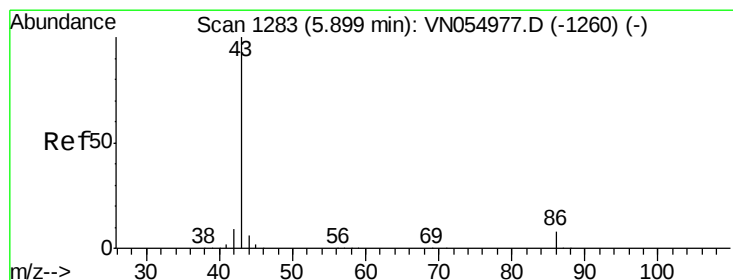
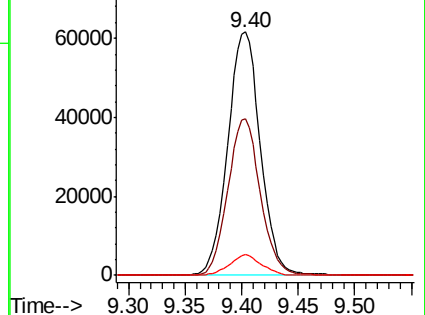
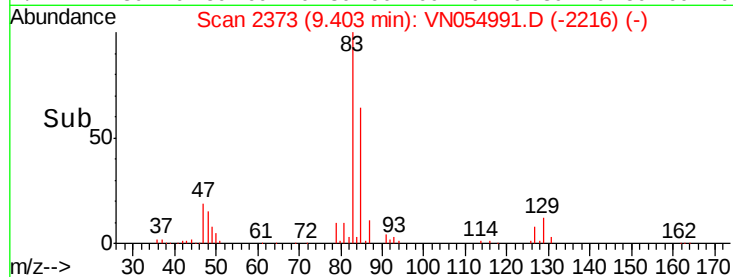
127 8.4 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VN054991.D (-2216) (-)

Ion 85.00 (84.70 to 85.70): VN054991.D (-2216) (-)

Ion 127.00 (126.70 to 127.70): VN054991.D (-2216) (-)



#42

Vinyl Acetate

Concen: 103.174 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054991.D

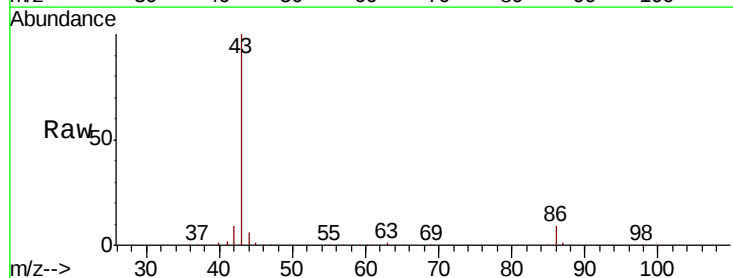
Acq: 12 Apr 2019 10:44

Tgt Ion: 43 Resp: 1084911

Ion Ratio Lower Upper

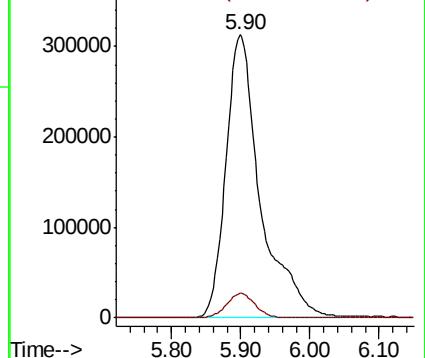
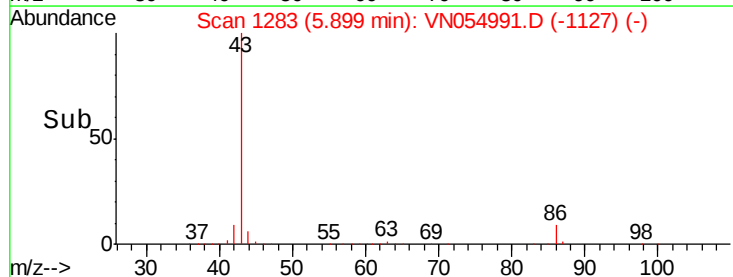
43 100

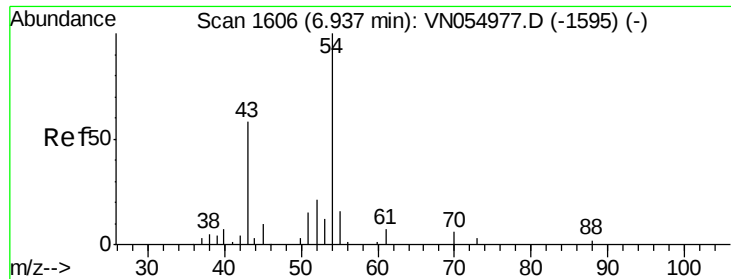
86 7.2 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VN054991.D (-1127) (-)

Ion 86.00 (85.70 to 86.70): VN054991.D (-1127) (-)

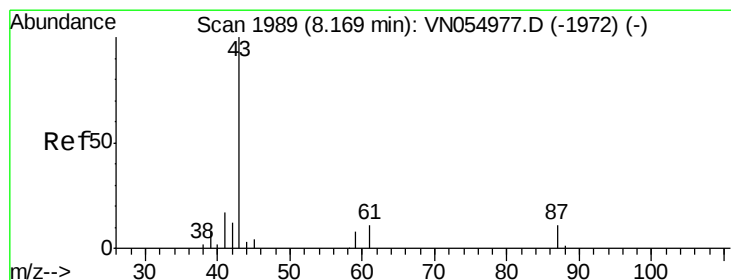
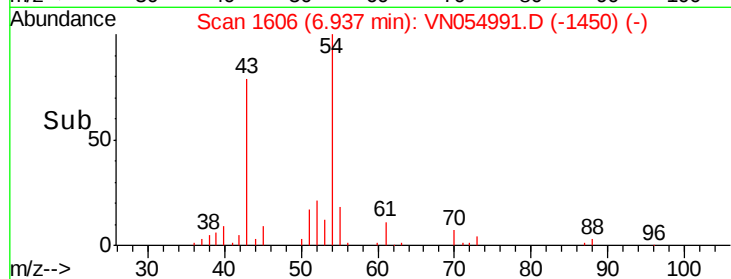
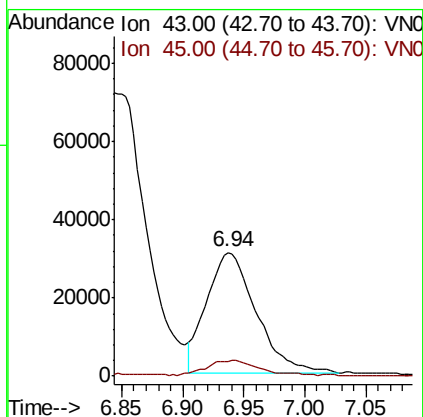
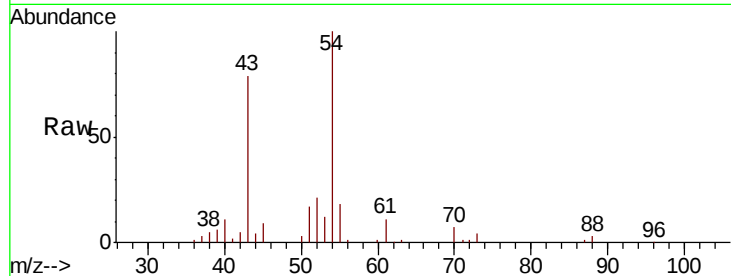




#43
Ethyl Acetate
Concen: 20.487 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

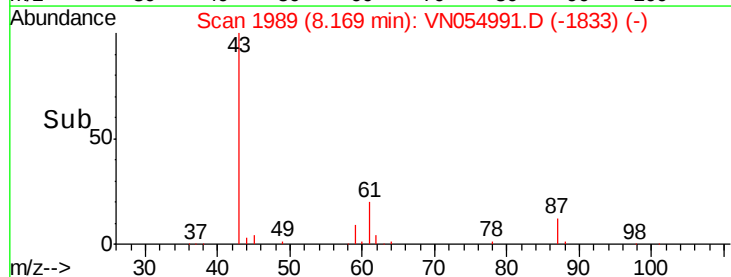
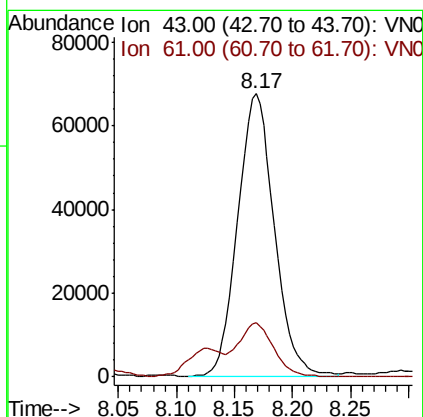
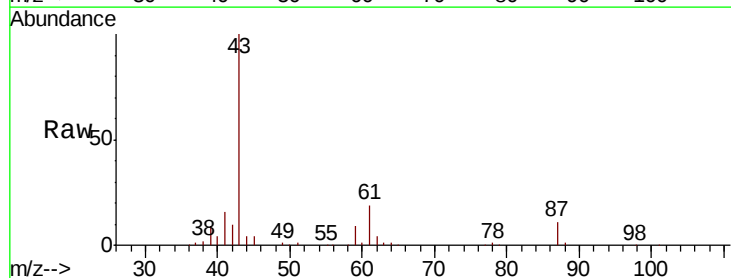
Instrument :
MSVOA_N
ClientSampled :

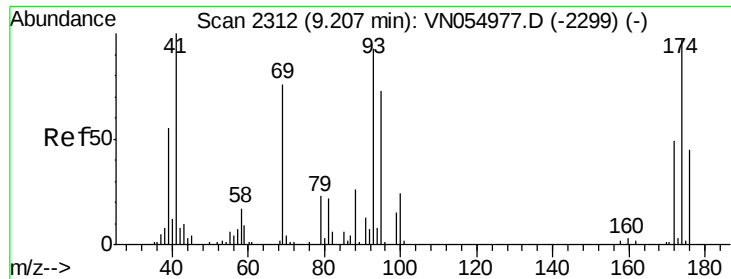
Tot Ion: 43 Resp: 86812
Ion Ratio Lower Upper
43 100
45 5.0 10.6 15.8#



#44
Isopropyl Acetate
Concen: 20.586 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion: 43 Resp: 147827
Ion Ratio Lower Upper
43 100
61 18.6 14.8 22.2

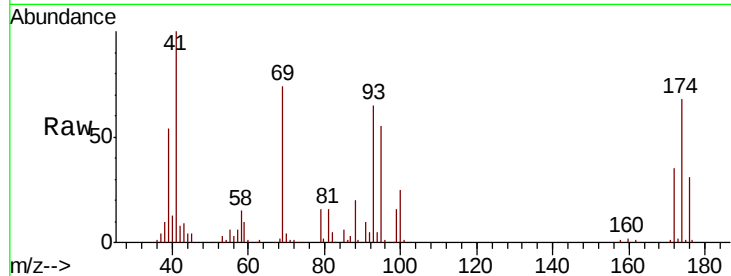




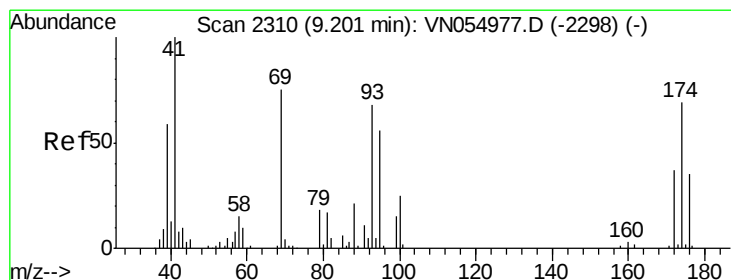
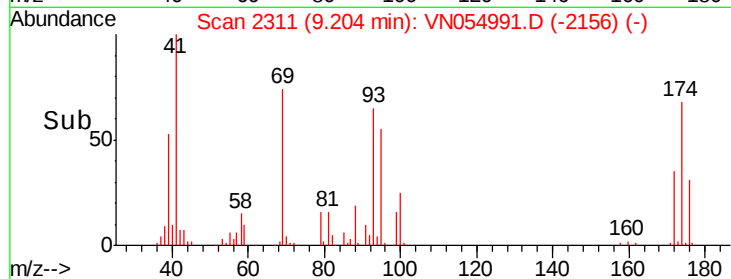
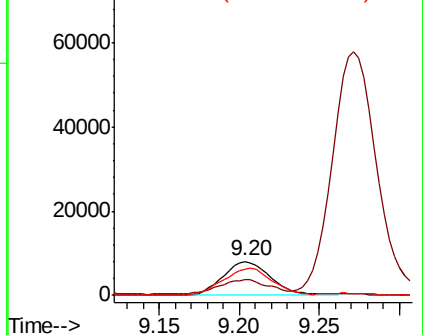
#45
 1,4-Dioxane
 Concen: 416.605 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 16574
 Ion Ratio Lower Upper
 88 100
 43 42.2 34.5 51.7
 58 82.1 60.3 90.5

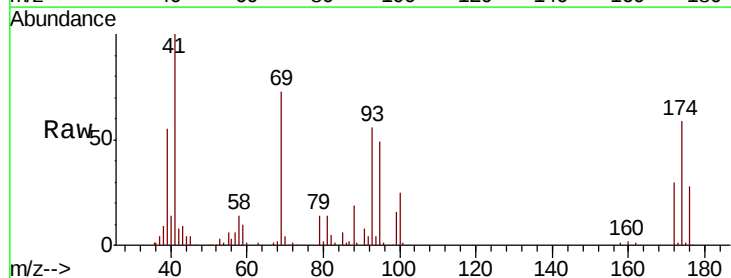


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

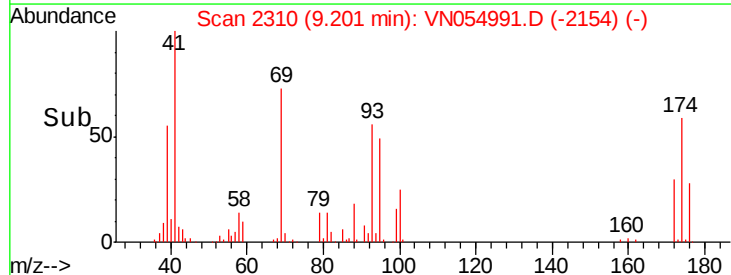
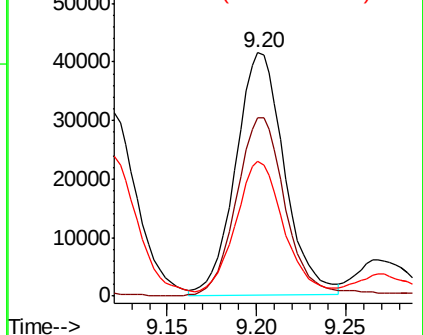


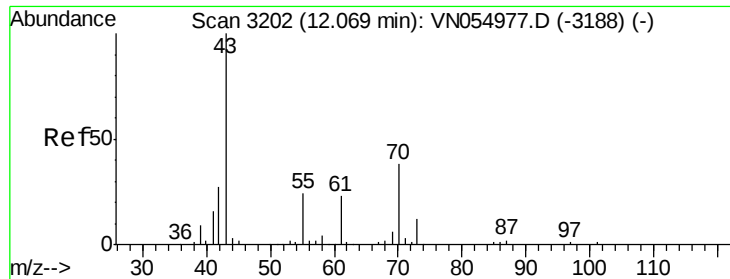
#46
 Methyl methacrylate
 Concen: 21.323 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Tgt Ion: 41 Resp: 79211
 Ion Ratio Lower Upper
 41 100
 69 74.7 37.3 111.9
 39 54.3 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-amvl Acetate

Concen: 19.219 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Instrument :

MSVOA_N

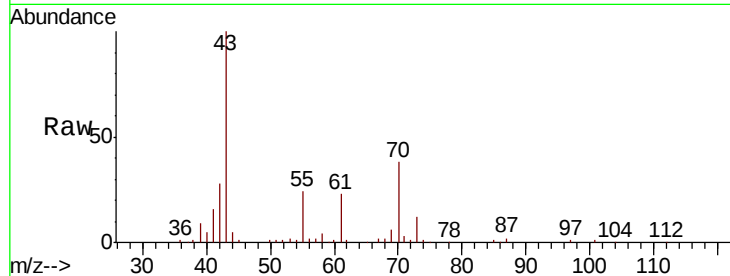
ClientSampleId :

Tot Ion: 43 Resp: 101652

Ion Ratio Lower Upper

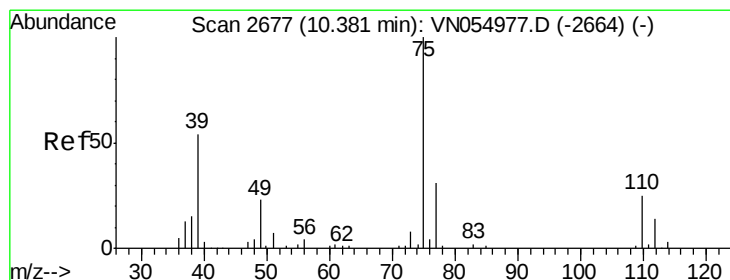
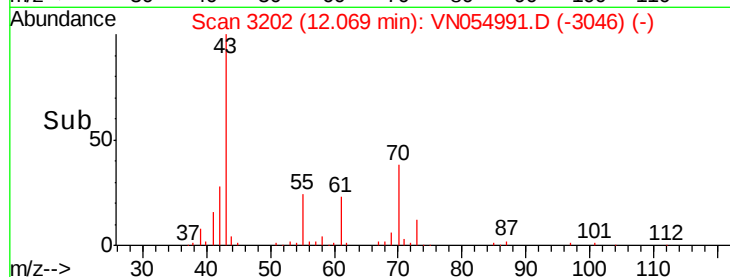
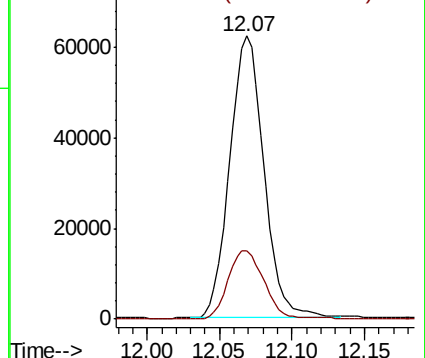
43 100

55 25.4 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 19.512 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054991.D

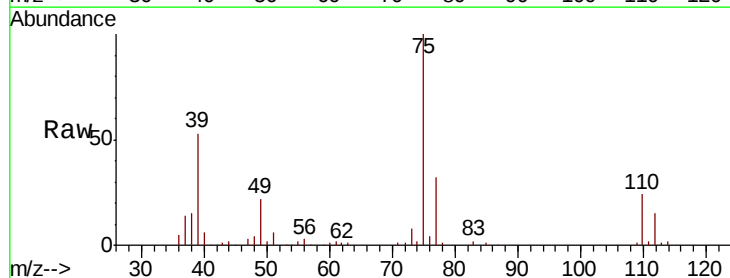
Acq: 12 Apr 2019 10:44

Tgt Ion: 75 Resp: 107172

Ion Ratio Lower Upper

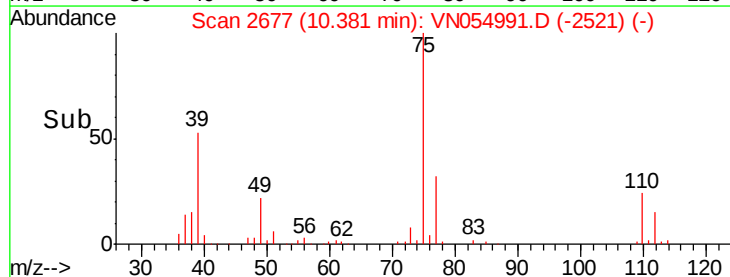
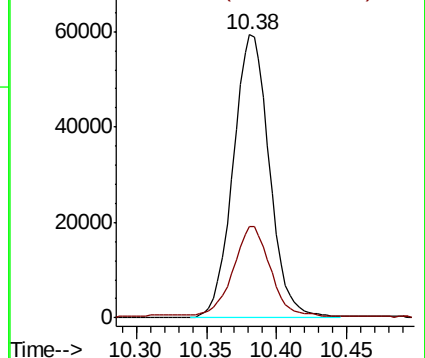
75 100

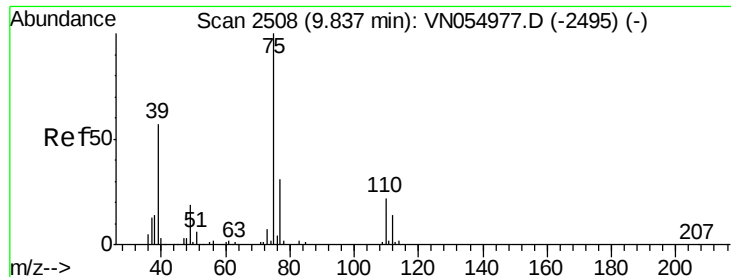
77 31.5 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



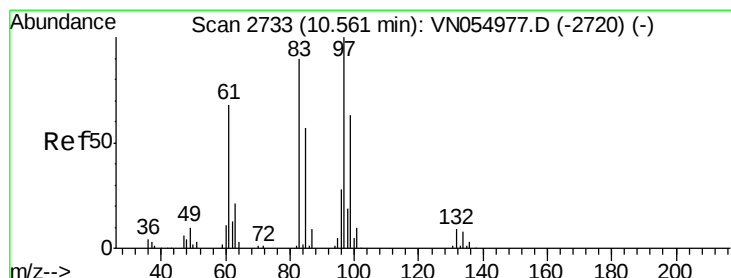
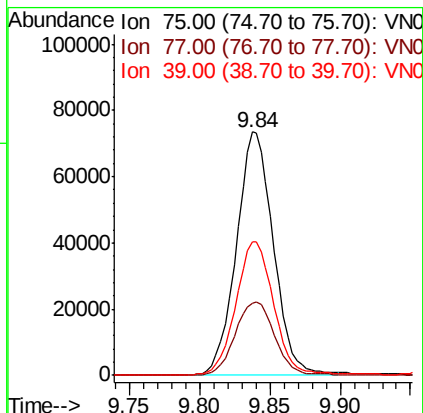
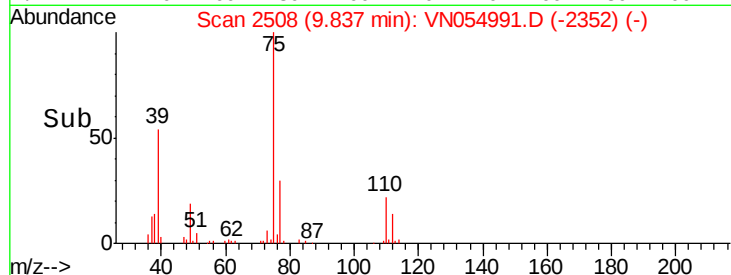
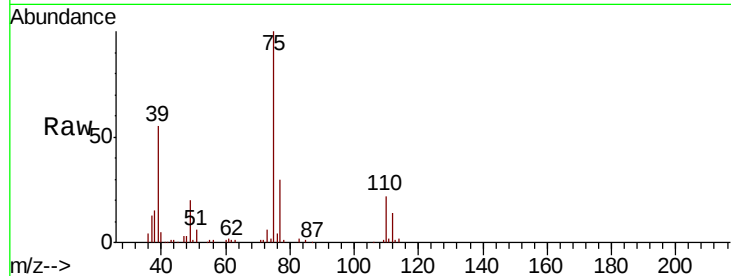


#49

cis-1,3-Dichloropropene
 Concen: 19.960 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Instrument :
 MSVOA_N
 ClientSampleId :

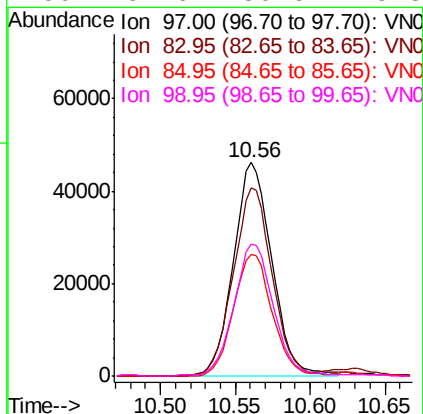
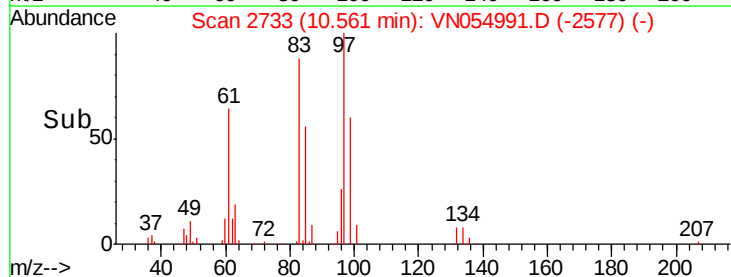
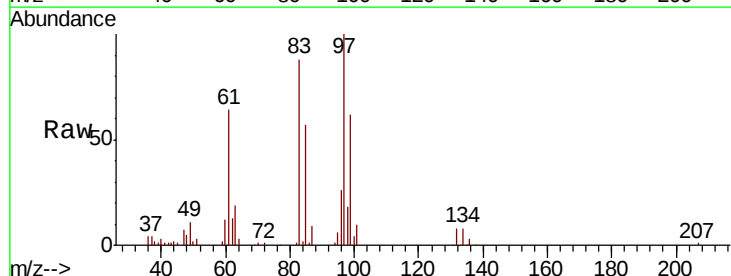
Tot Ion	Ratio	Lower	Upper
75	100		
77	29.9	24.7	37.1
39	54.5	45.3	67.9

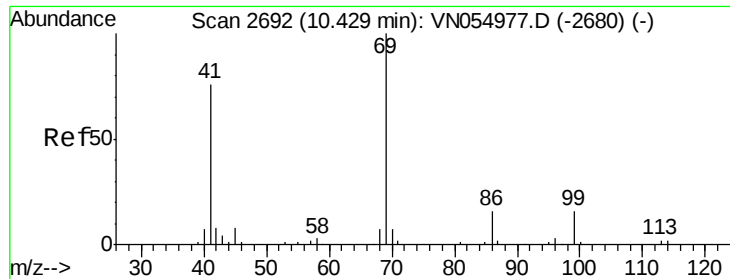


#50

1,1,2-Trichloroethane
 Concen: 20.975 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.9	72.1	108.1
85	57.0	45.4	68.0
99	61.6	50.6	75.8





#51

Ethyl methacrylate

Concen: 19.477 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

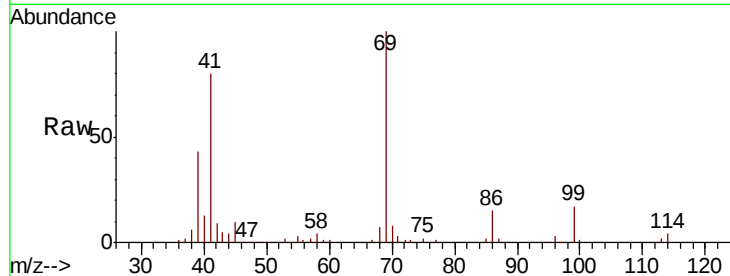
Tot Ion: 69 Resp: 91392

Ion Ratio Lower Upper

69 100

41 79.5 37.9 113.7

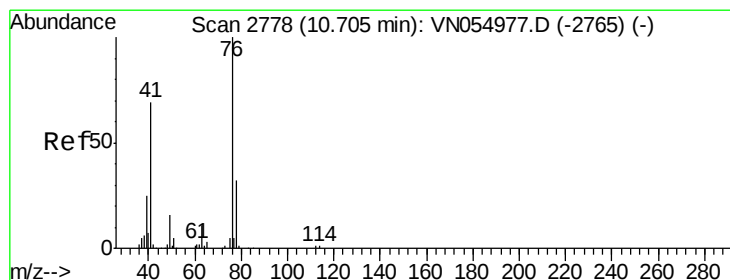
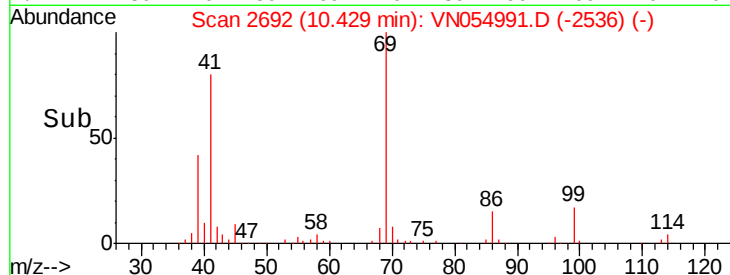
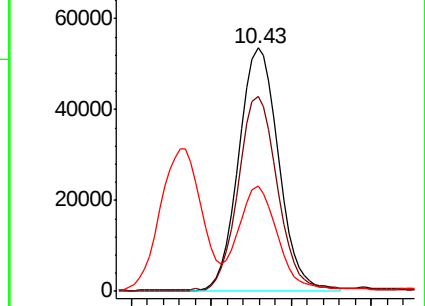
39 42.2 19.8 59.4



Abundance Ion 69.00 (68.70 to 69.70): VN054991.D (-2536) (-)

Ion 41.00 (40.70 to 41.70): VN054991.D (-2536) (-)

Ion 39.00 (38.70 to 39.70): VN054991.D (-2536) (-)



#52

1,3-Dichloropropane

Concen: 20.865 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054991.D

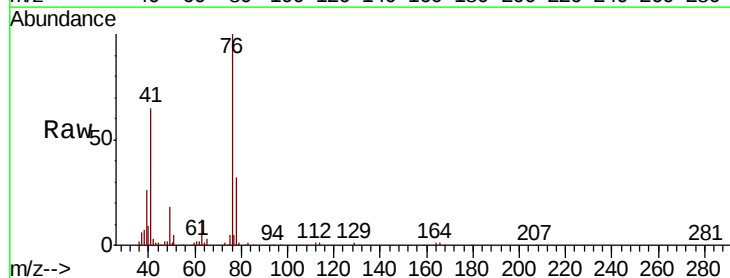
Acq: 12 Apr 2019 10:44

Tgt Ion: 76 Resp: 143917

Ion Ratio Lower Upper

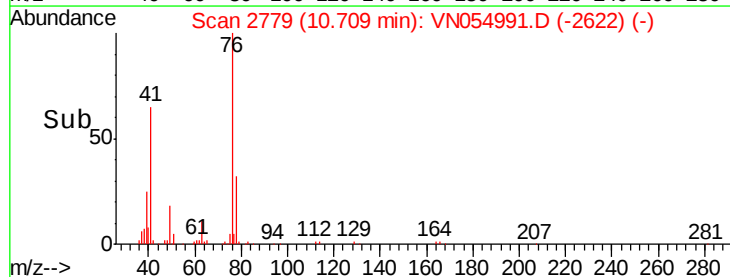
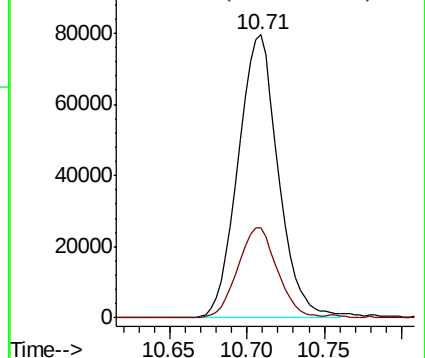
76 100

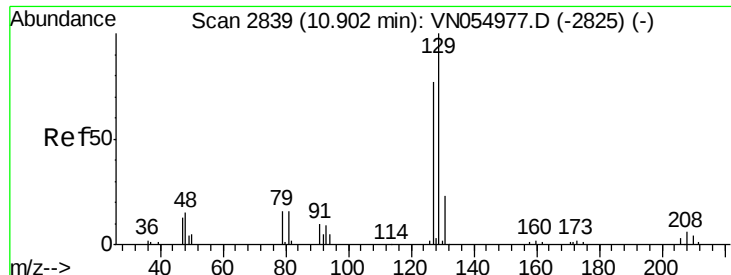
78 31.4 0.0 64.4



Abundance Ion 76.00 (75.70 to 76.70): VN054991.D (-2622) (-)

Ion 78.00 (77.70 to 78.70): VN054991.D (-2622) (-)

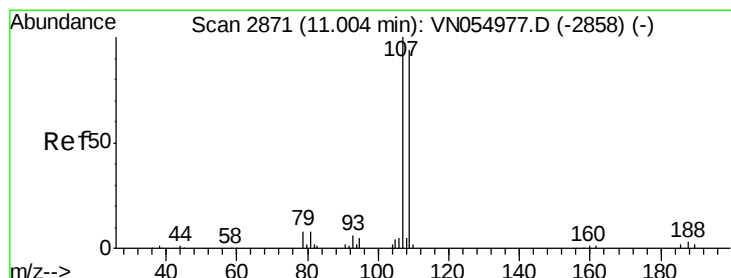
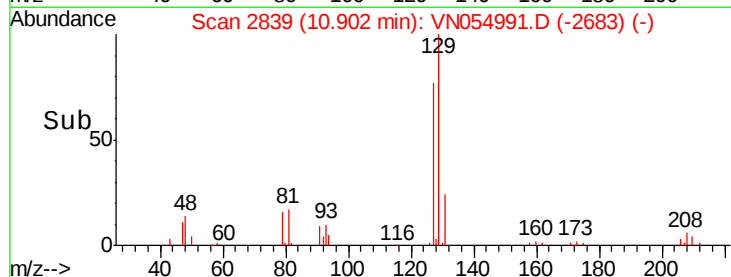
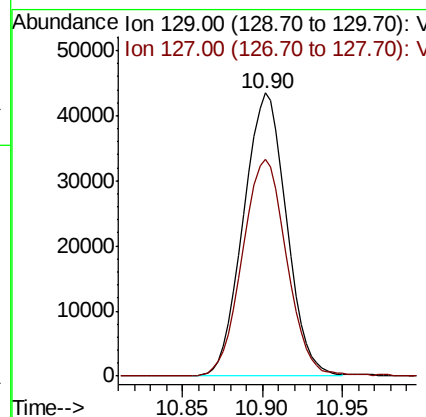
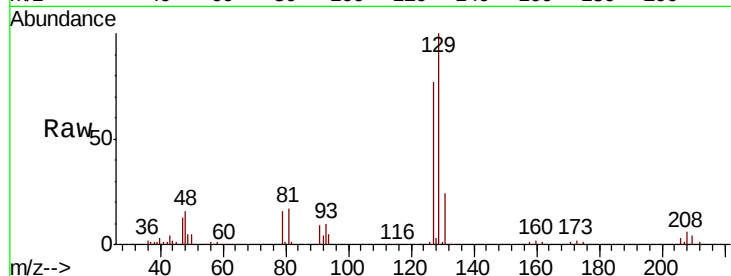




#53
 Dibromochloromethane
 Concen: 19.742 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

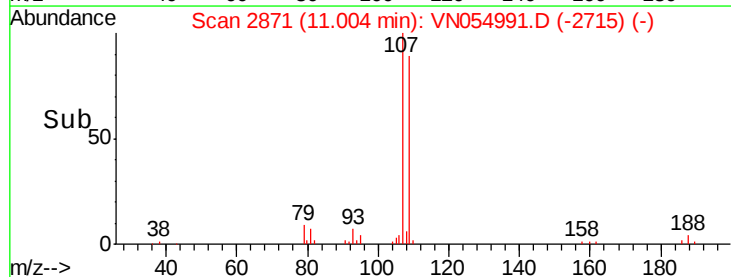
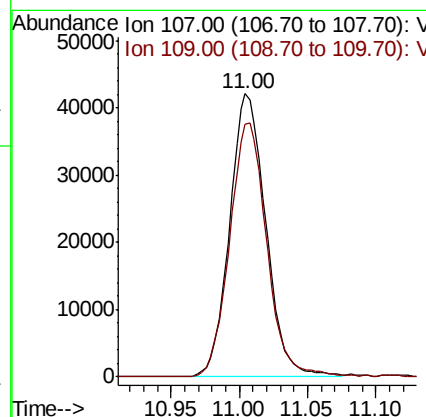
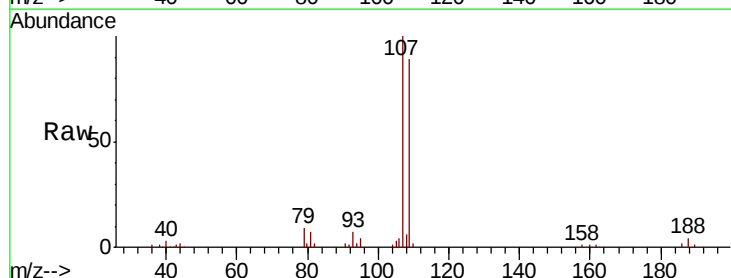
Instrument :
 MSVOA_N
 ClientSampled :

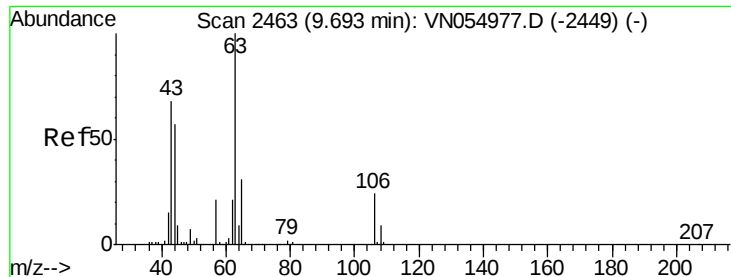
Tot Ion:129 Resp: 80047
 Ion Ratio Lower Upper
 129 100
 127 78.7 37.8 113.3



#54
 1,2-Dibromoethane
 Concen: 21.012 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Tgt Ion:107 Resp: 77646
 Ion Ratio Lower Upper
 107 100
 109 92.0 76.2 114.2

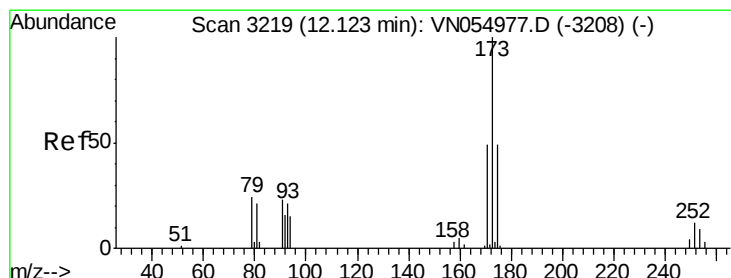
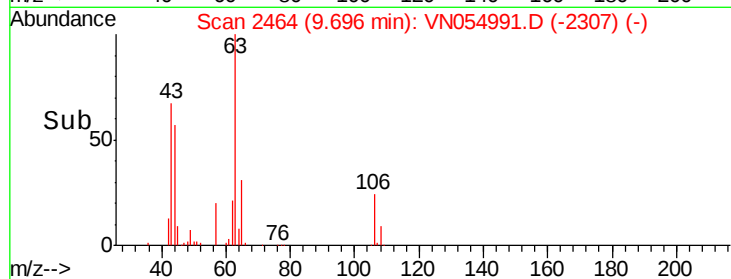
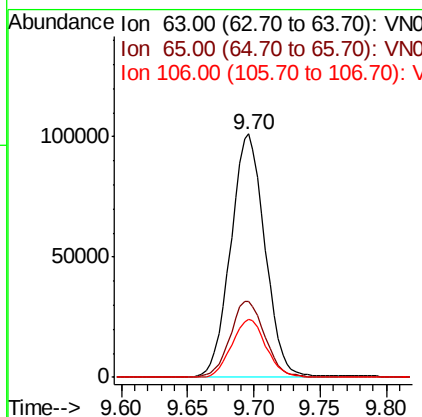
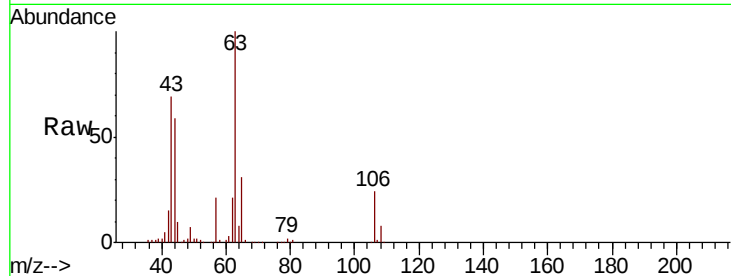




#55
2-Chloroethyl vinyl ether
Concen: 92.757 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

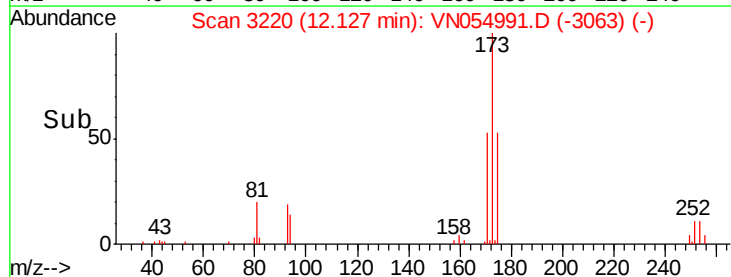
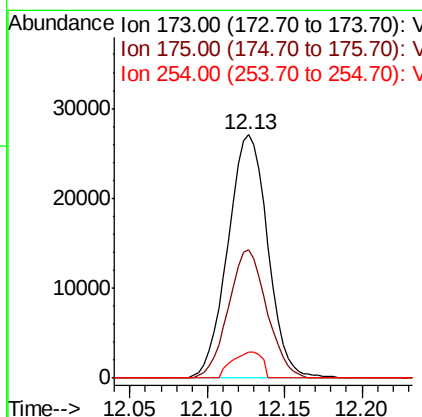
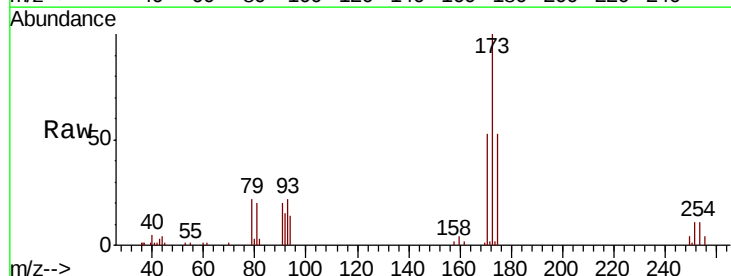
Instrument :
MSVOA_N
ClientSampled :

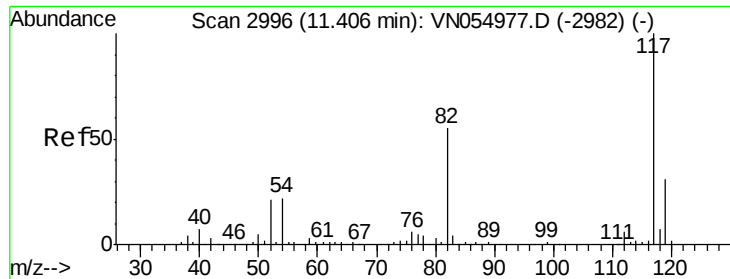
Tot Ion: 63 Resp: 181957
Ion Ratio Lower Upper
63 100
65 31.7 25.4 38.0
106 23.8 19.8 29.6



#56
Bromoform
Concen: 19.077 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion: 173 Resp: 48603
Ion Ratio Lower Upper
173 100
175 50.4 38.6 57.8
254 8.0 6.8 10.2

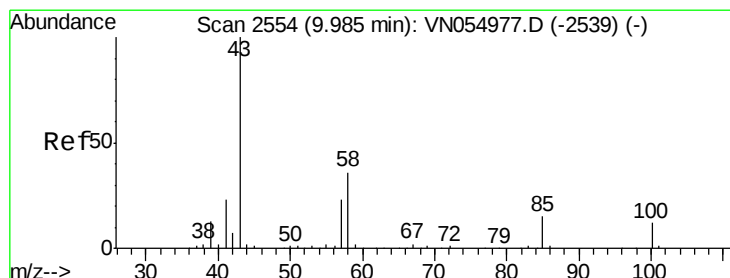
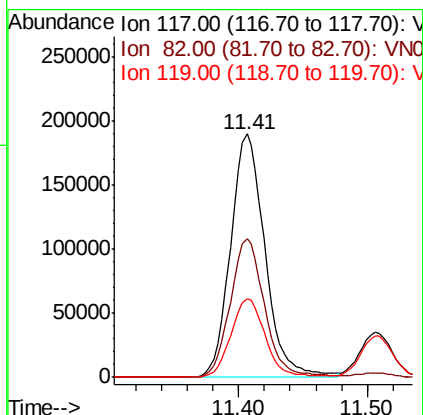
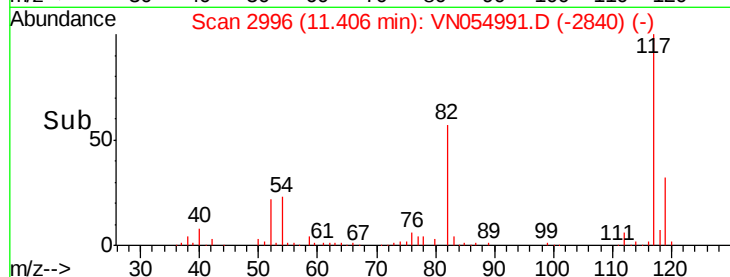
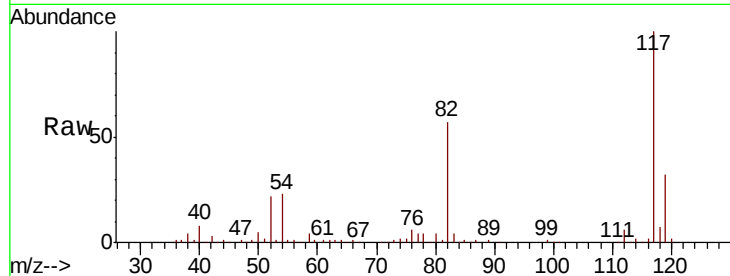




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

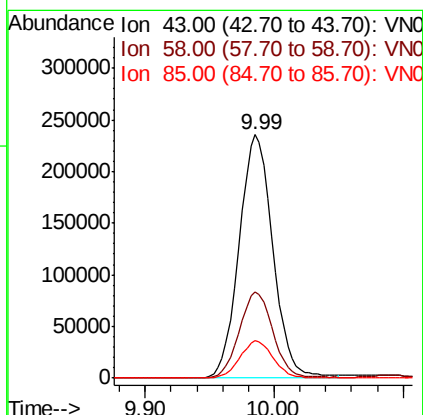
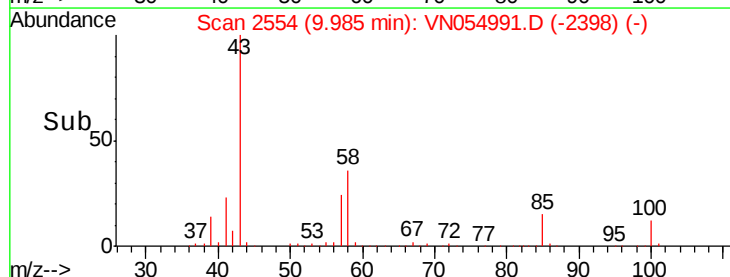
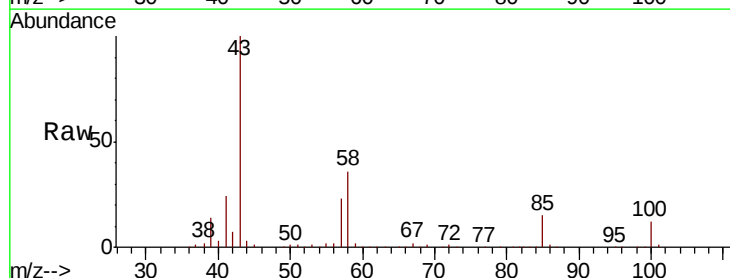
Instrument :
MSVOA_N
ClientSampleId :

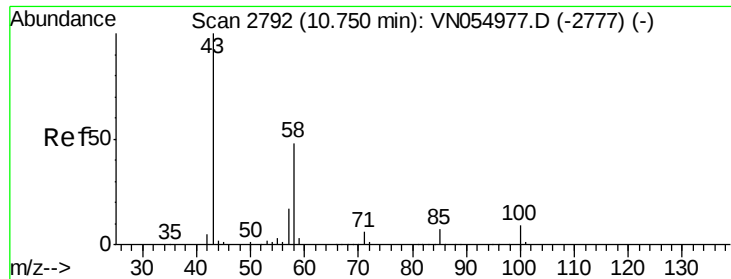
Tot Ion:117 Resp: 351693
Ion Ratio Lower Upper
117 100
82 56.7 45.2 67.8
119 32.3 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 105.470 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion: 43 Resp: 427763
Ion Ratio Lower Upper
43 100
58 35.7 28.7 43.1
85 15.1 11.8 17.6

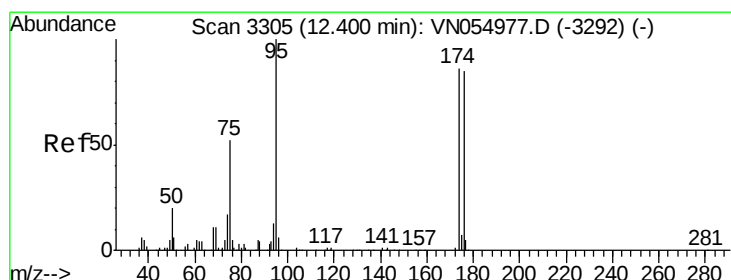
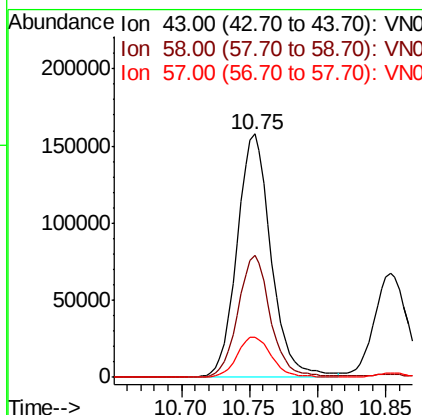
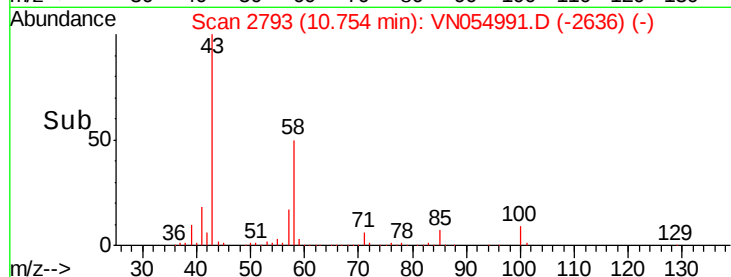
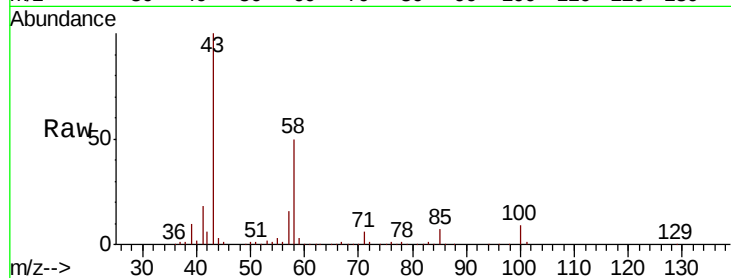




#59
2-Hexanone
Concen: 105.268 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

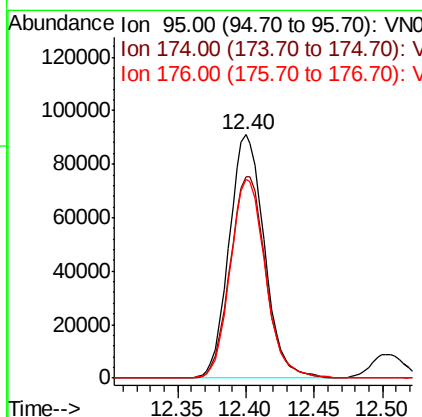
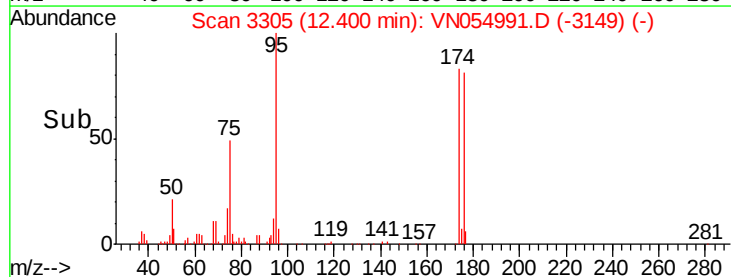
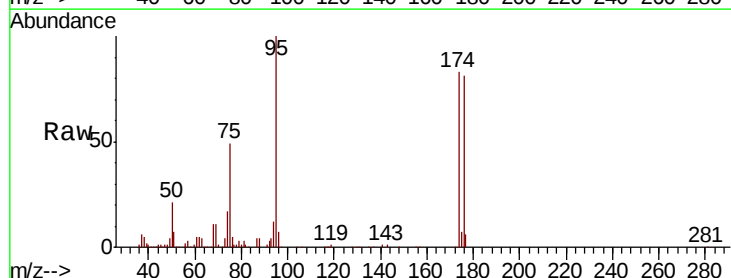
Instrument :
MSVOA_N
ClientSampleId :

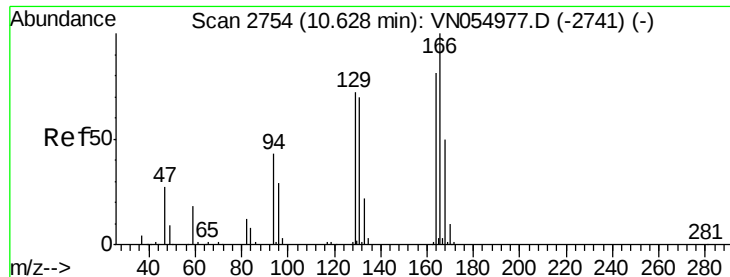
Tot Ion: 43 Resp: 271227
Ion Ratio Lower Upper
43 100
58 48.3 38.8 58.2
57 17.0 13.8 20.6



#60
4-Bromofluorobenzene
Concen: 105.268 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion: 95 Resp: 163236
Ion Ratio Lower Upper
95 100
174 83.6 69.4 104.2
176 81.5 67.4 101.2

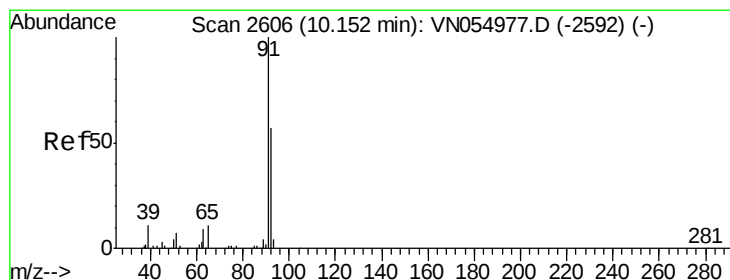
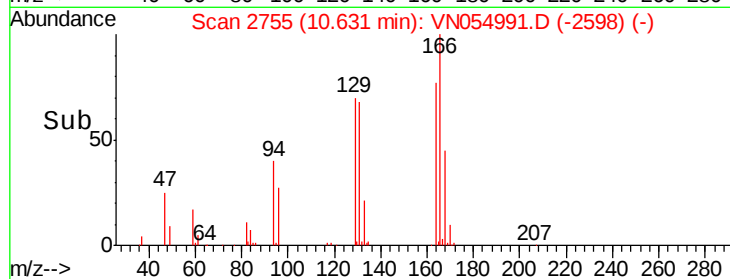
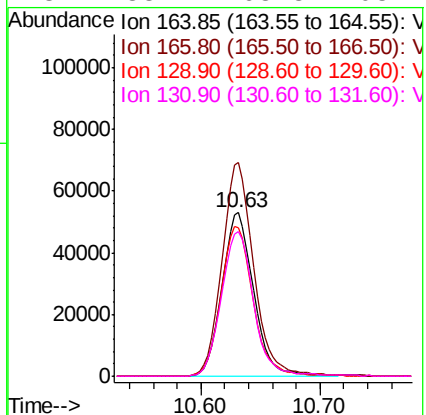
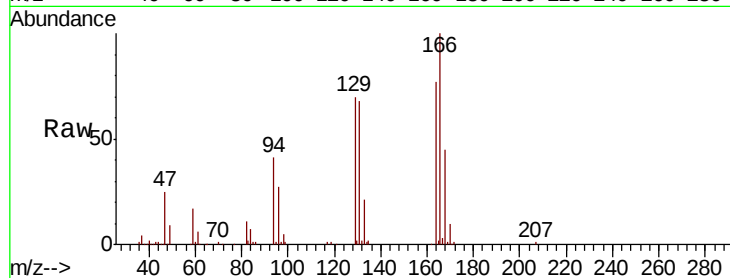




#61
Tetrachloroethene
Concen: 21.330 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

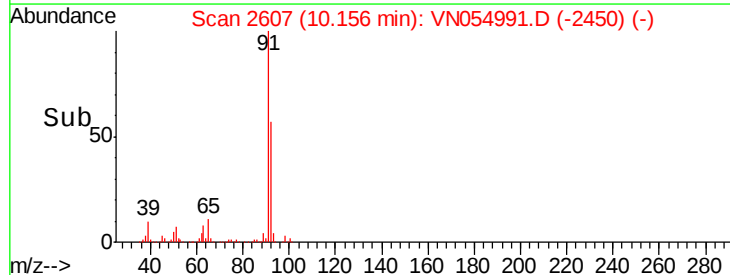
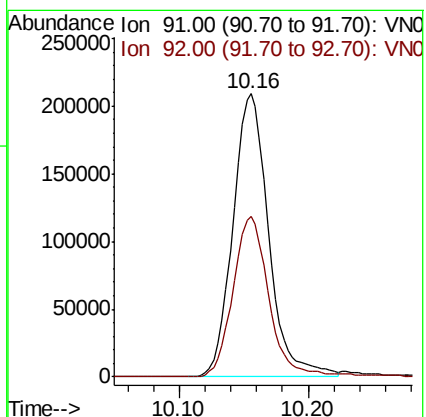
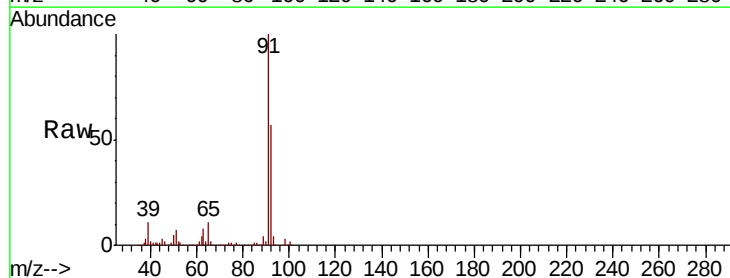
Instrument :
MSVOA_N
ClientSampleId :

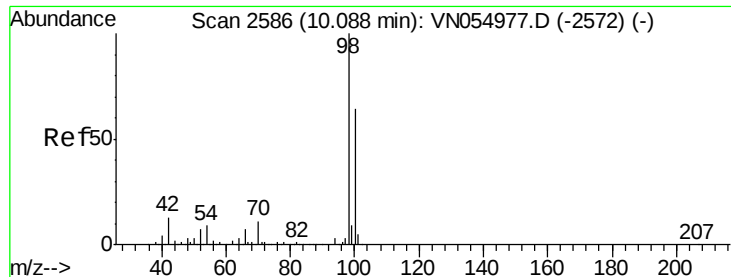
Tot Ion:164 Resp: 97624
Ion Ratio Lower Upper
164 100
166 130.6 99.0 148.4
129 90.5 71.4 107.0
131 88.7 68.8 103.2



#62
Toluene
Concen: 20.783 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion: 91 Resp: 402730
Ion Ratio Lower Upper
91 100
92 56.3 44.8 67.2





#63

Toluene-d8

Concen: 20.783 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Instrument :

MSVOA_N

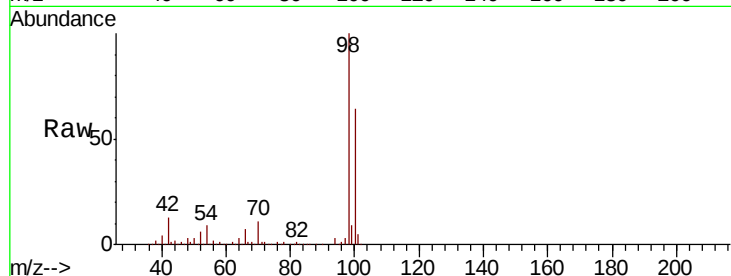
ClientSampleId :

Tot Ion: 98 Resp: 501601

Ion Ratio Lower Upper

98 100

100 63.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN054977.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN054991.D (-2430) (-)

10.09

250000

200000

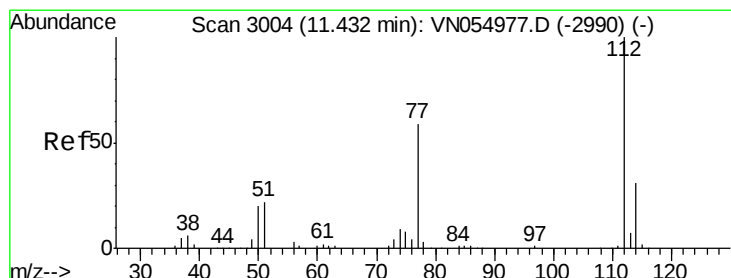
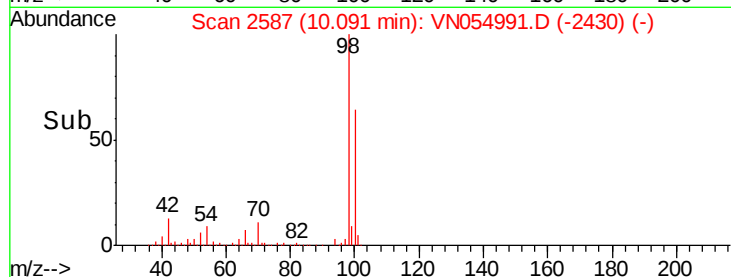
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 20.716 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054991.D

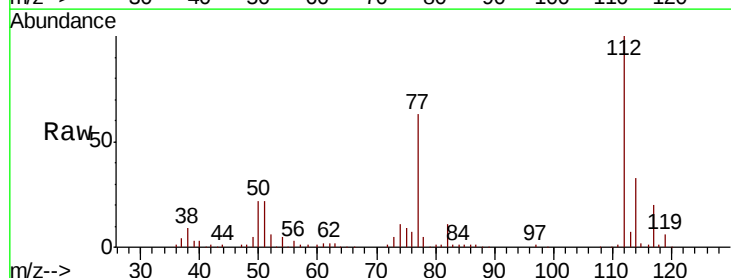
Acq: 12 Apr 2019 10:44

Tgt Ion: 112 Resp: 242352

Ion Ratio Lower Upper

112 100

114 32.9 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): VN054977.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN054991.D (-2848) (-)

11.43

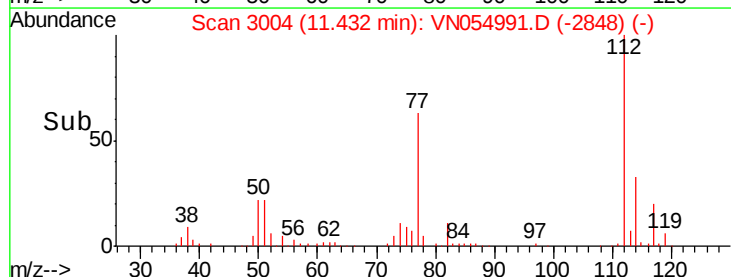
150000

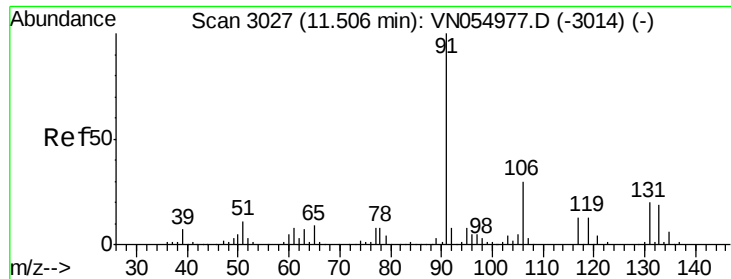
100000

50000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 20.669 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

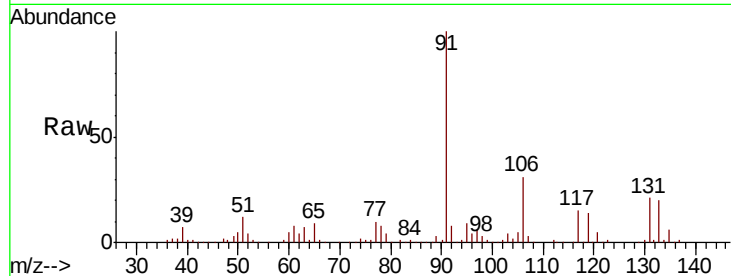
Tot Ion:131 Resp: 85997

Ion Ratio Lower Upper

131 100

133 96.5 0.0 187.8

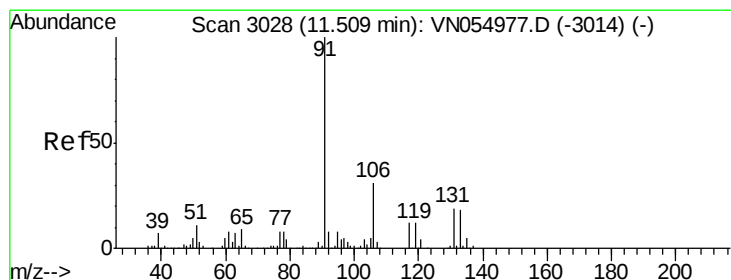
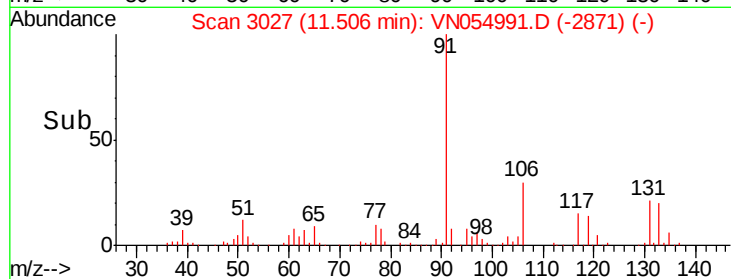
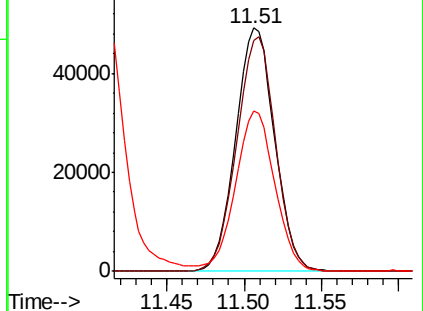
119 66.8 0.0 131.4



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: 20.802 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054991.D

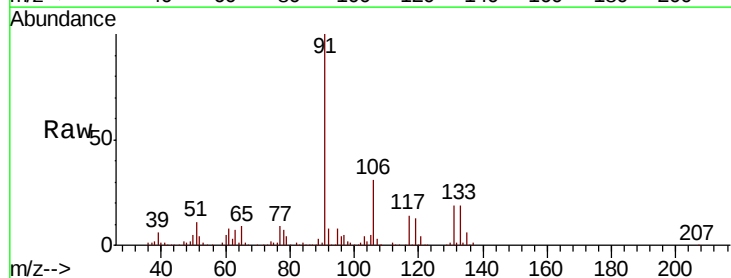
Acq: 12 Apr 2019 10:44

Tgt Ion: 91 Resp: 432107

Ion Ratio Lower Upper

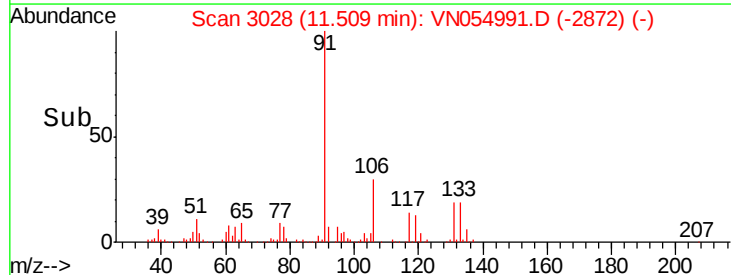
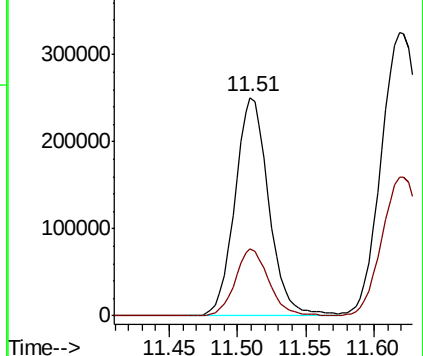
91 100

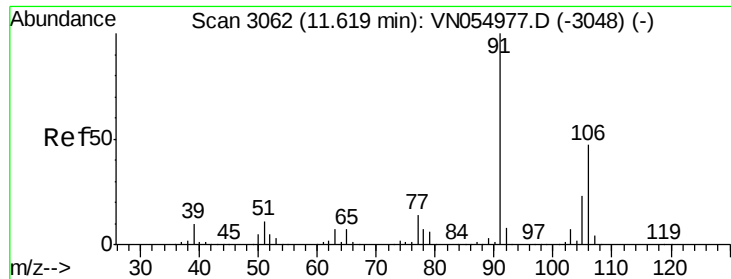
106 30.6 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

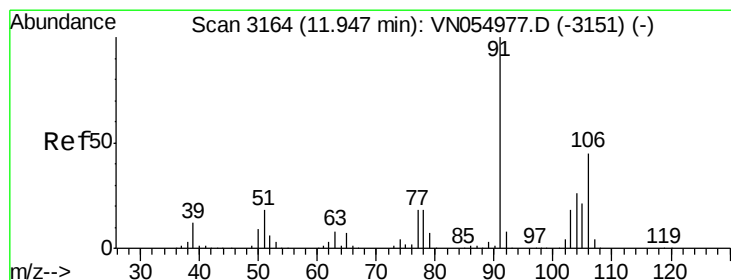
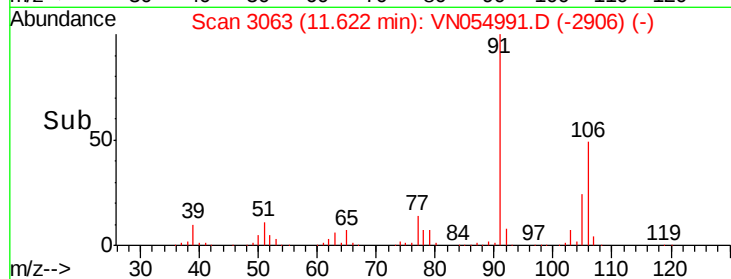
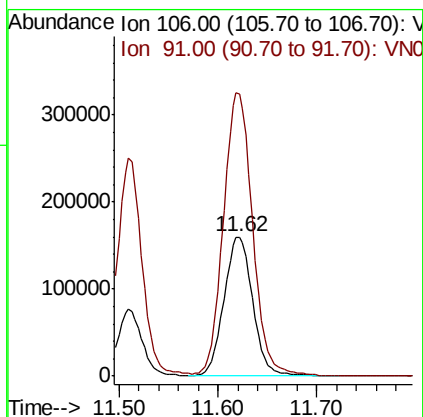
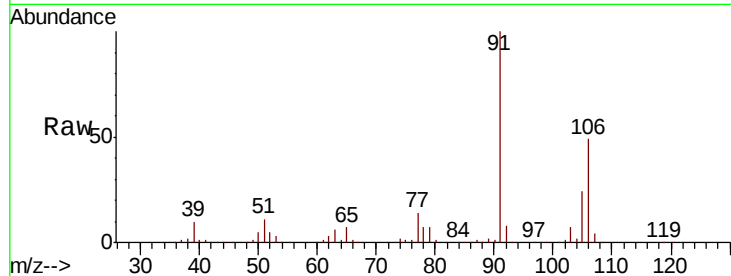




#67
m/p-Xvlenes
Concen: 42.487 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

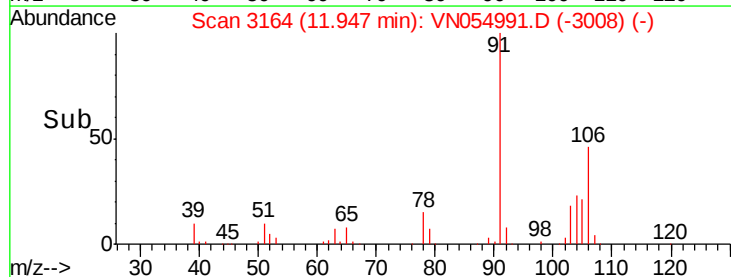
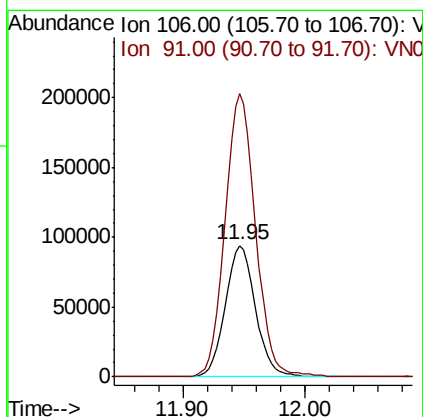
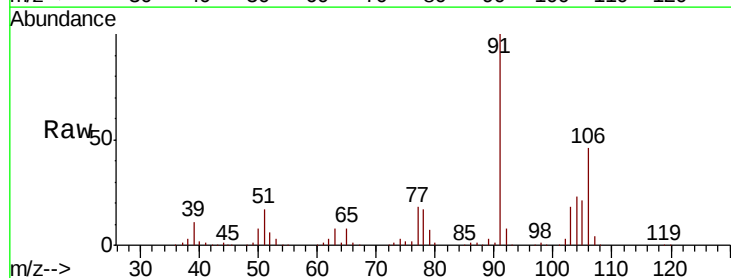
Instrument :
MSVOA_N
ClientSampleId :

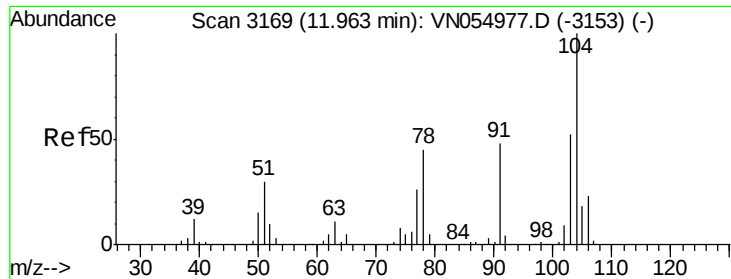
Tot Ion:106 Resp: 328054
Ion Ratio Lower Upper
106 100
91 205.7 167.4 251.2



#68
o-Xylene
Concen: 21.422 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion:106 Resp: 163463
Ion Ratio Lower Upper
106 100
91 216.8 110.3 330.8

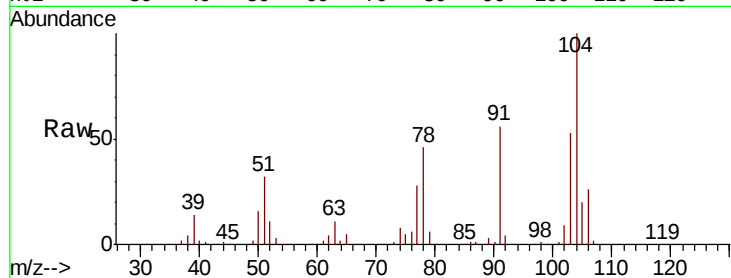




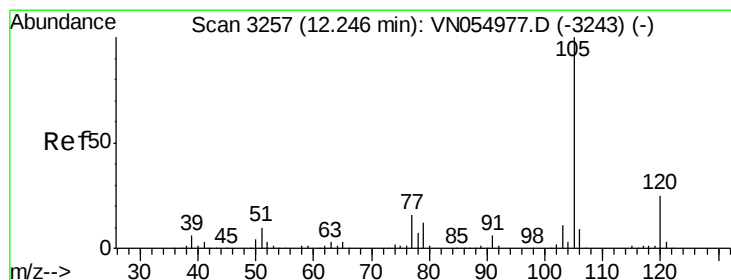
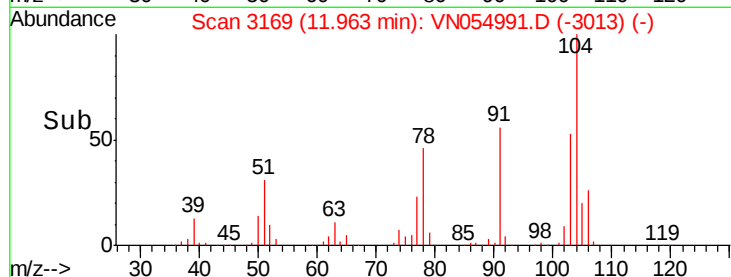
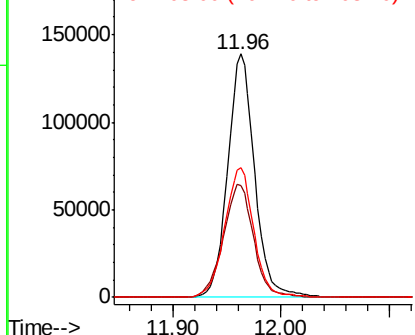
#69
Stvrene
Concen: 20.414 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:104 Resp: 241876
Ion Ratio Lower Upper
104 100
78 51.9 41.2 61.8
103 57.5 44.6 67.0

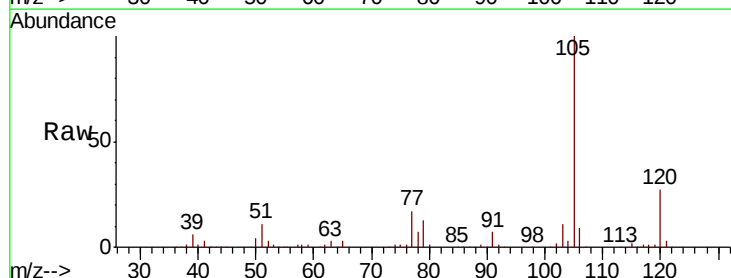


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

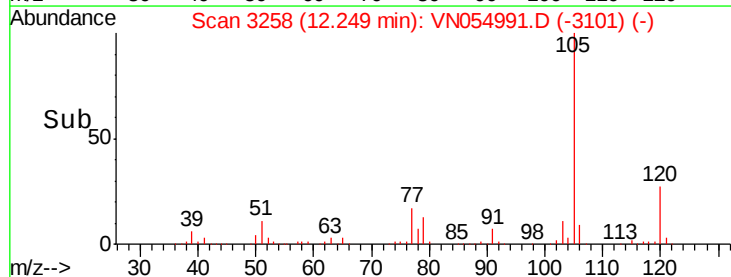
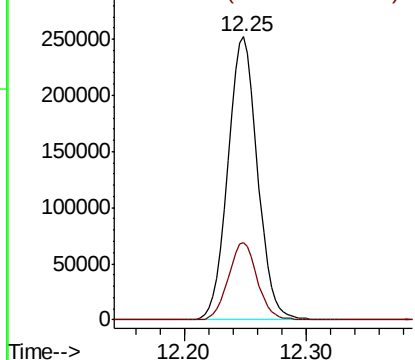


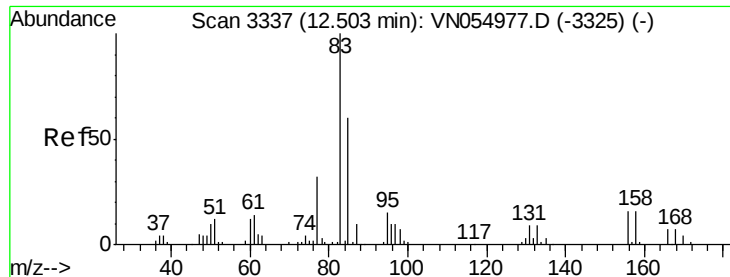
#70
Isopropylbenzene
Concen: 20.941 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion:105 Resp: 427227
Ion Ratio Lower Upper
105 100
120 26.6 18.3 33.9



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

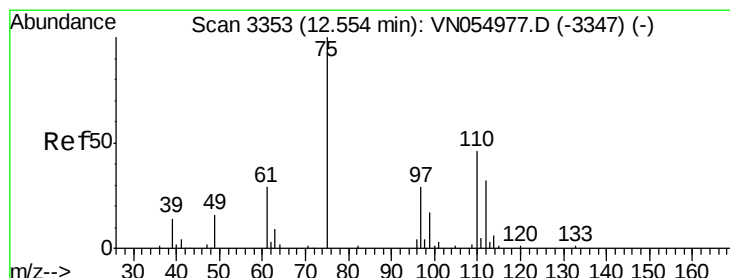
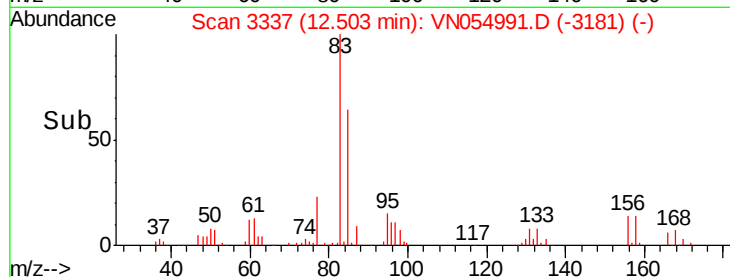
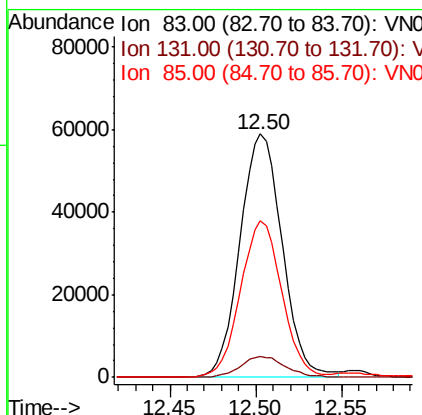
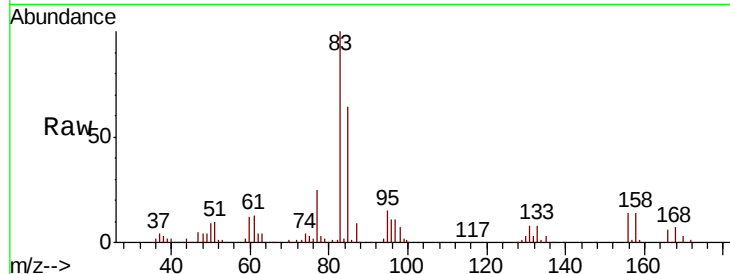




#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.637 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

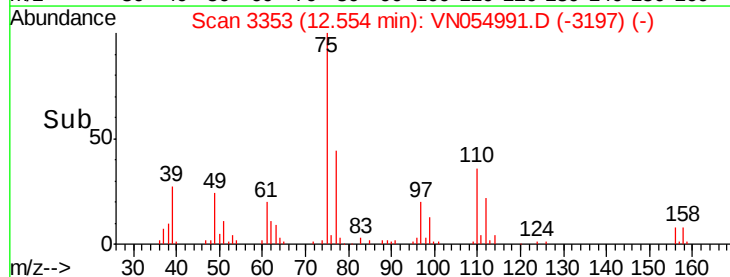
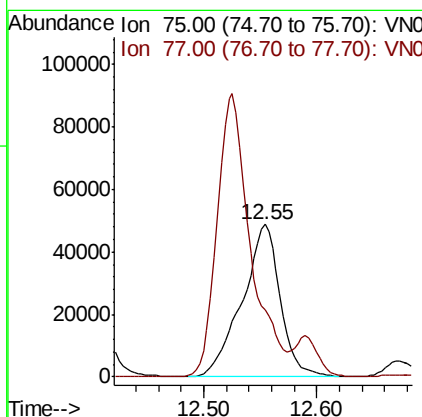
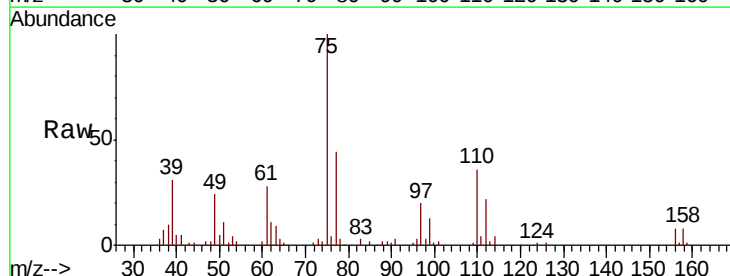
Instrument :
 MSVOA_N
 ClientSampleId :

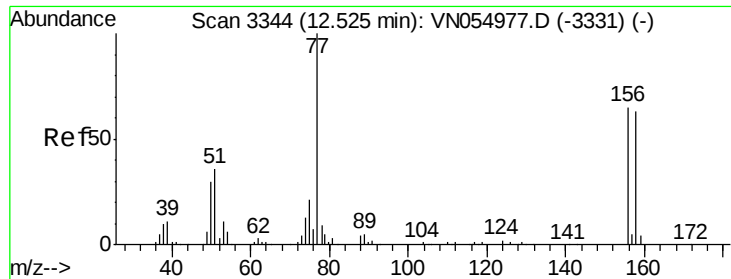
Tot Ion	83	Resp	100964
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.6	13.8
85	62.7	30.9	92.5



#72
 1,2,3-Trichloropropane
 Concen: 29.600 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Tgt Ion	75	Resp	114065
Ion Ratio	Lower	Upper	
75	100		
77	163.0	0.0	466.6





#73

Bromobenzene

Concen: 20.154 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

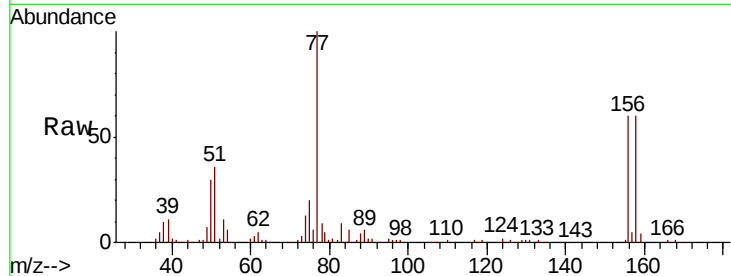
Tot Ion:156 Resp: 97183

Ion Ratio Lower Upper

156 100

77 191.3 0.0 383.2

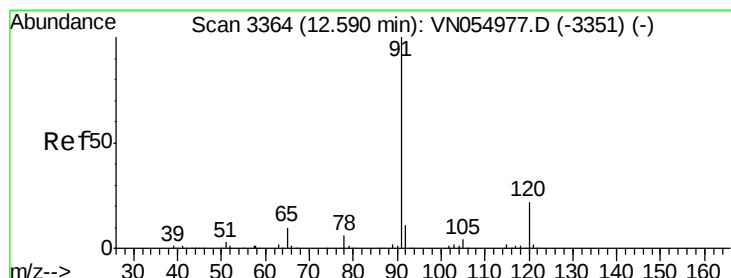
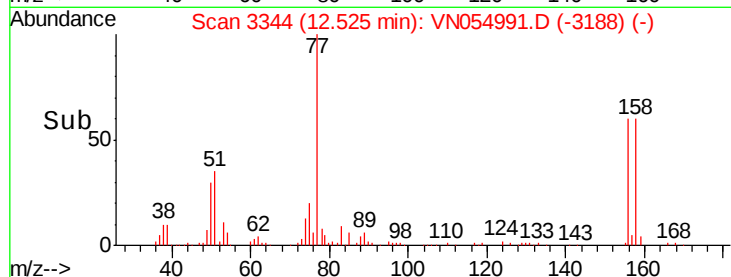
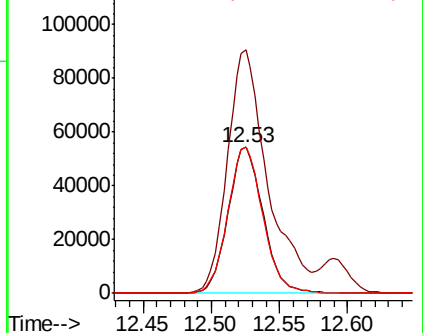
158 99.9 0.0 193.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.989 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054991.D

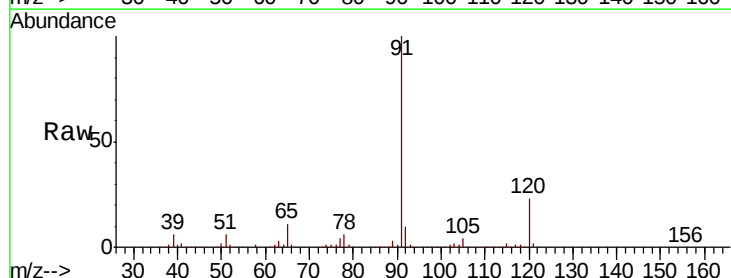
Acq: 12 Apr 2019 10:44

Tgt Ion: 91 Resp: 479368

Ion Ratio Lower Upper

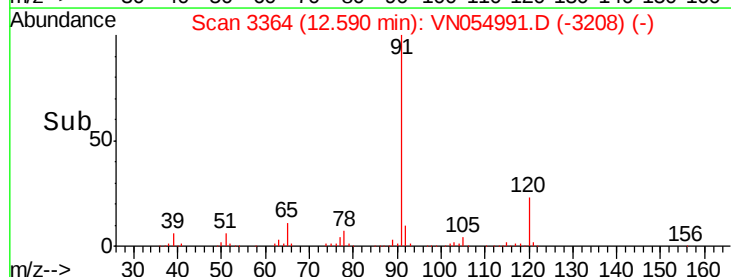
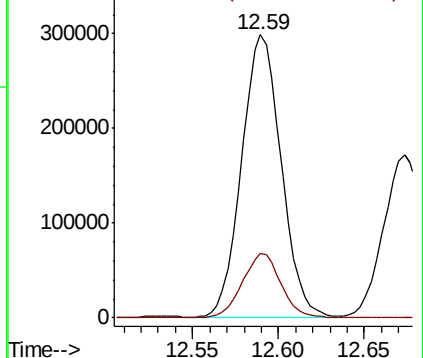
91 100

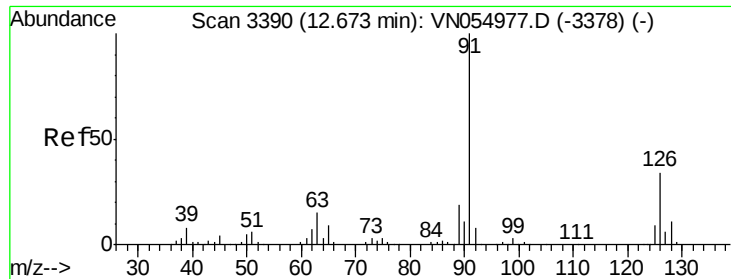
120 22.2 0.0 44.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 21.329 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Instrument :

MSVOA_N

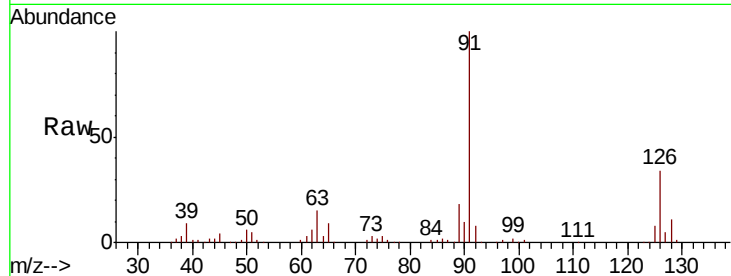
ClientSampleId :

Tot Ion: 91 Resp: 293799

Ion Ratio Lower Upper

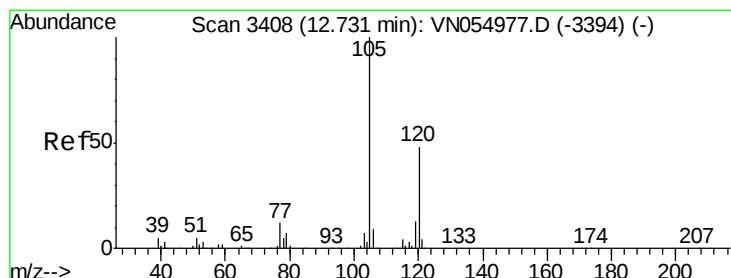
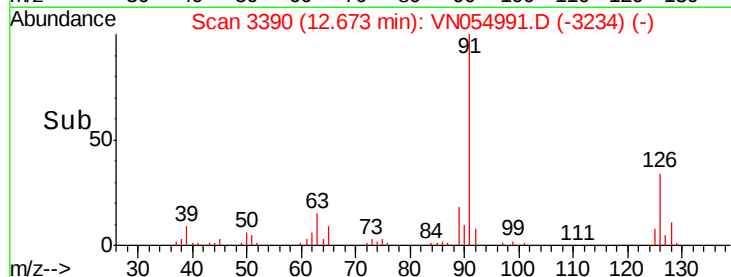
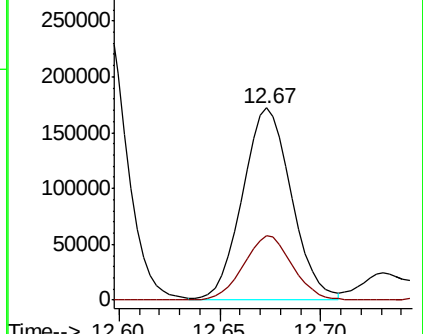
91 100

126 33.2 0.0 67.4



Abundance Ion 91.00 (90.70 to 91.70): VN054977.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN054977.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 21.109 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054991.D

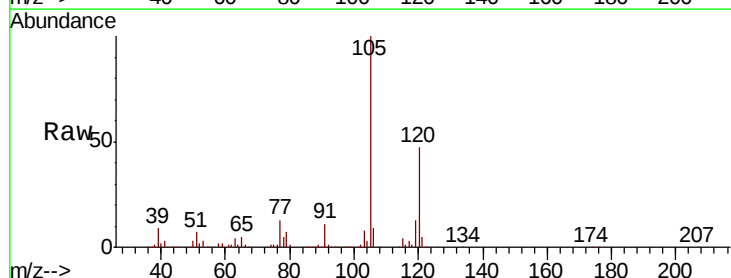
Acq: 12 Apr 2019 10:44

Tgt Ion: 105 Resp: 348175

Ion Ratio Lower Upper

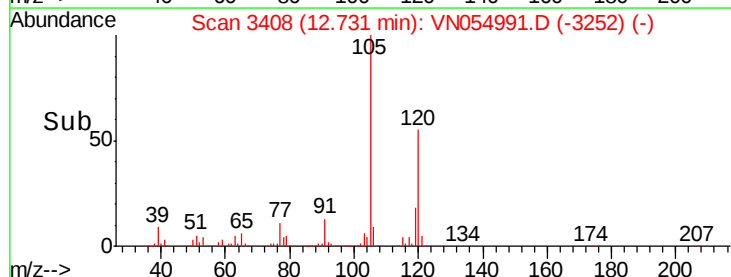
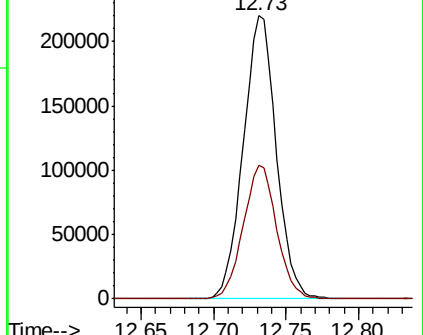
105 100

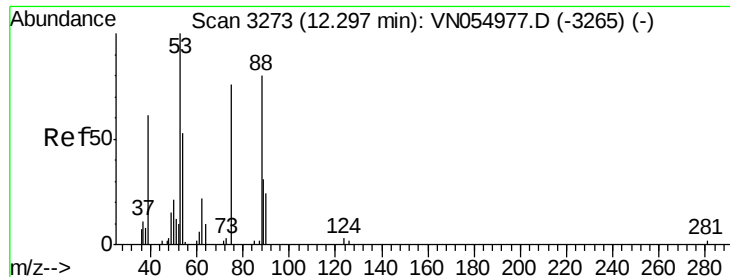
120 47.8 0.0 94.8



Abundance Ion 105.00 (104.70 to 105.70): VN054977.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054977.D (-3394) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 19.092 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

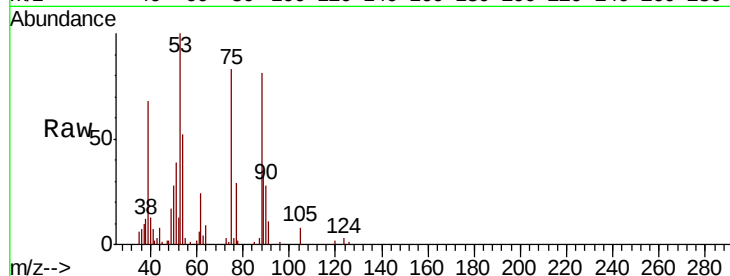
Tot Ion: 75 Resp: 18545

Ion Ratio Lower Upper

75 100

53 119.0 64.3 192.7

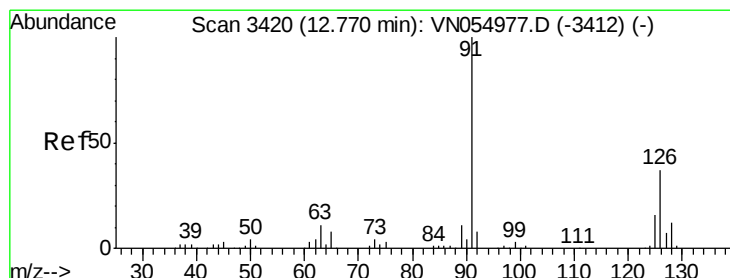
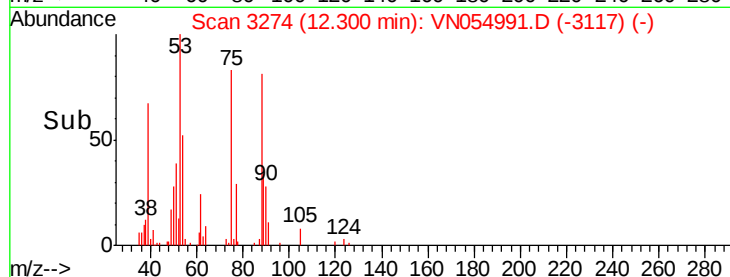
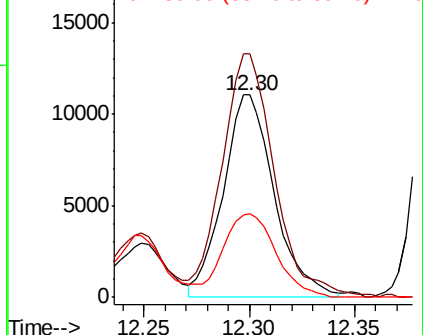
89 42.2 21.6 65.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 20.765 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054991.D

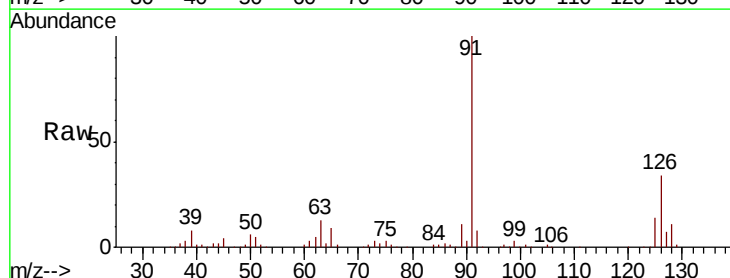
Acq: 12 Apr 2019 10:44

Tgt Ion: 91 Resp: 272537

Ion Ratio Lower Upper

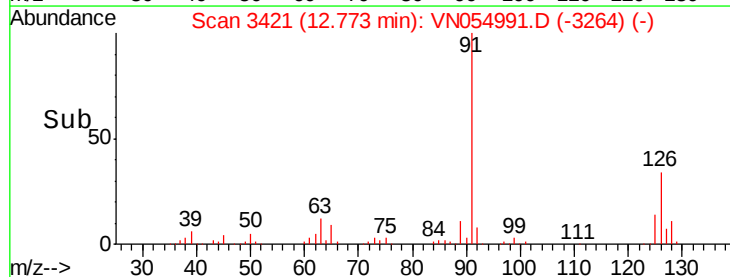
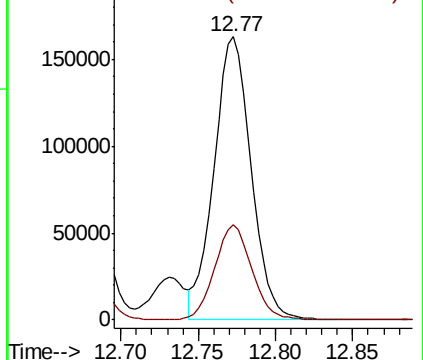
91 100

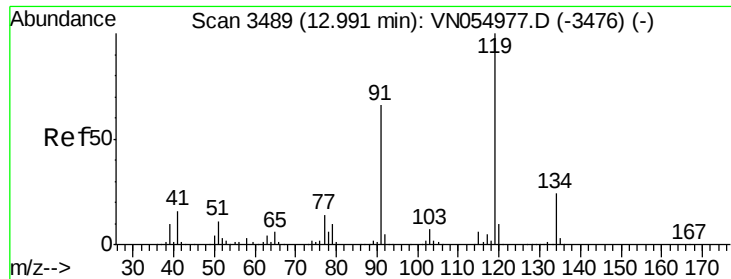
126 33.5 0.0 66.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

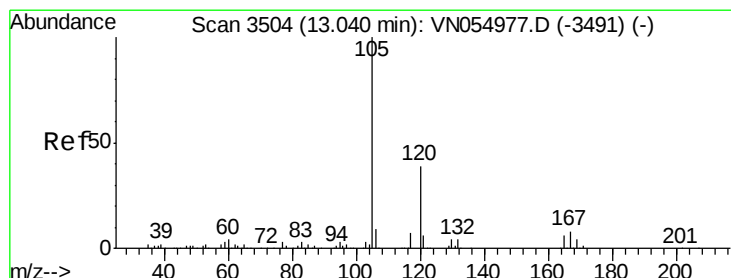
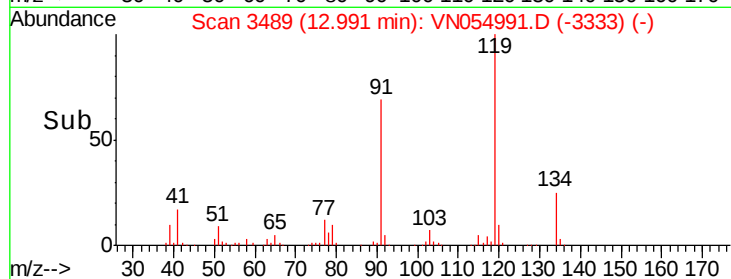
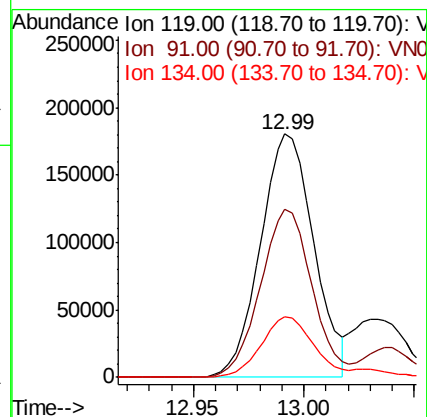
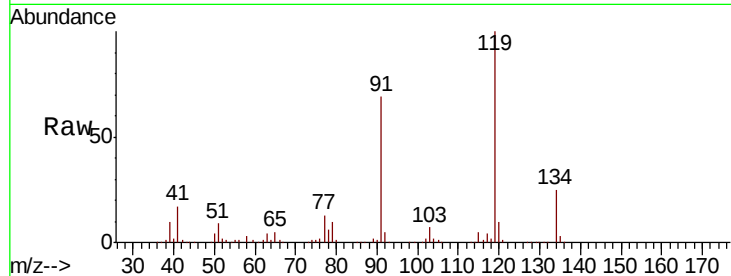




#79
tert-butylbenzene
Concen: 21.133 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

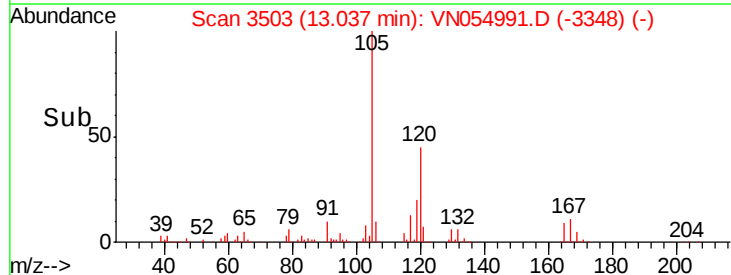
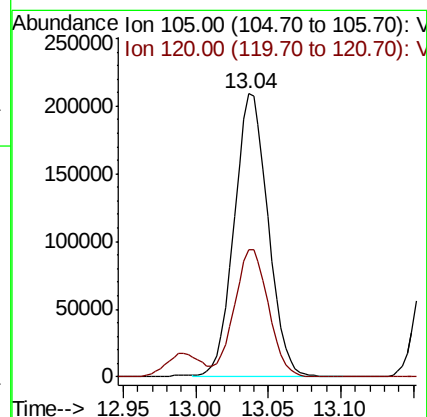
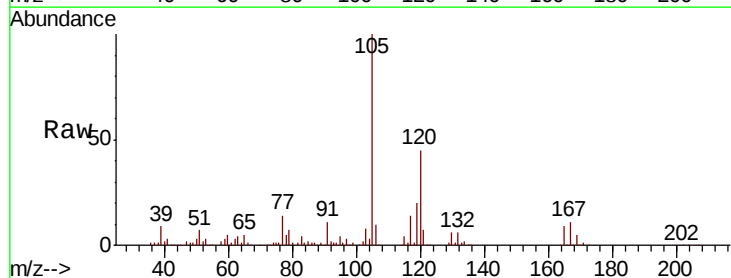
Instrument :
MSVOA_N
ClientSampled :

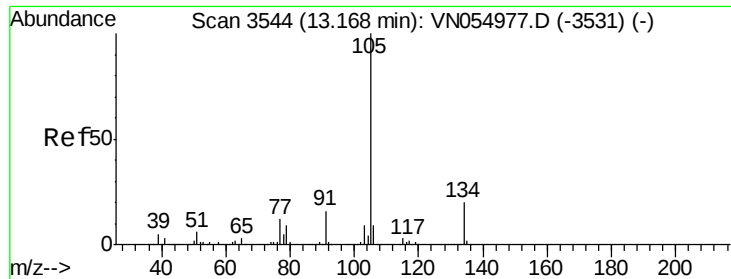
Tot Ion:119 Resp: 301594
Ion Ratio Lower Upper
119 100
91 66.9 0.0 132.6
134 24.4 0.0 47.6



#80
1,2,4-Trimethylbenzene
Concen: 20.981 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion:105 Resp: 339958
Ion Ratio Lower Upper
105 100
120 45.3 0.0 91.4





#81

sec-Butylbenzene

Concen: 21.114 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Instrument :

MSVOA_N

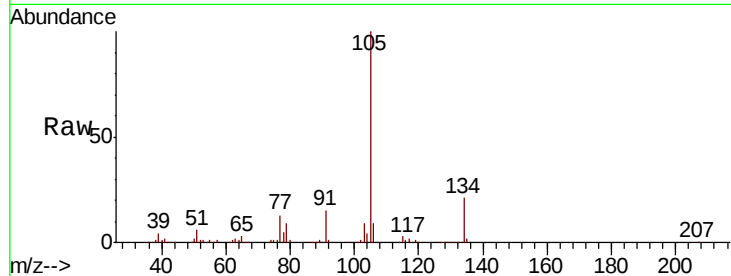
ClientSampled :

Tot Ion:105 Resp: 402639

Ion Ratio Lower Upper

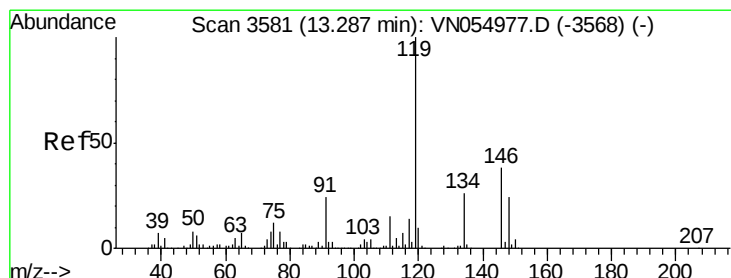
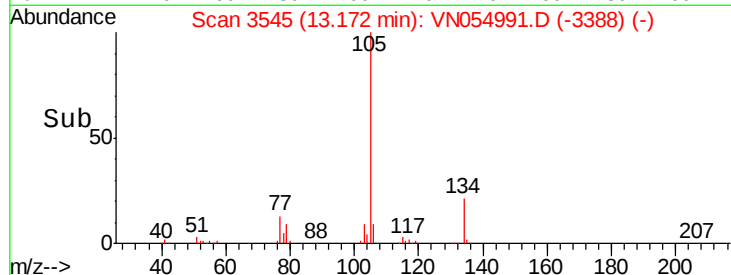
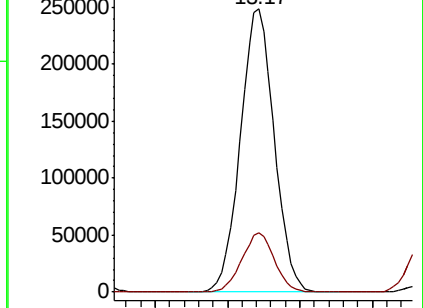
105 100

134 20.1 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: 20.546 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

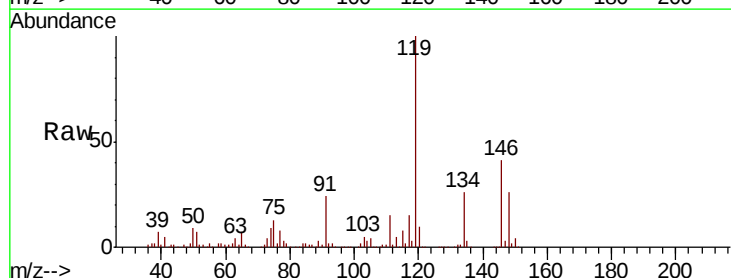
Tgt Ion:119 Resp: 330658

Ion Ratio Lower Upper

119 100

134 26.7 0.0 53.2

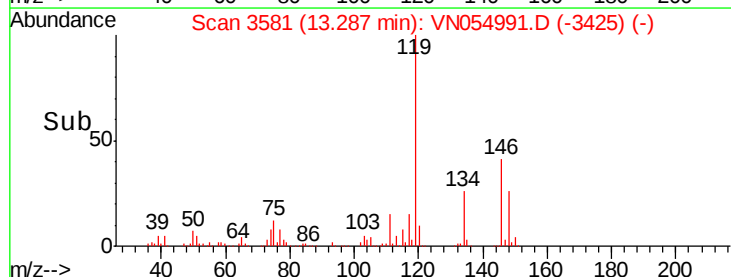
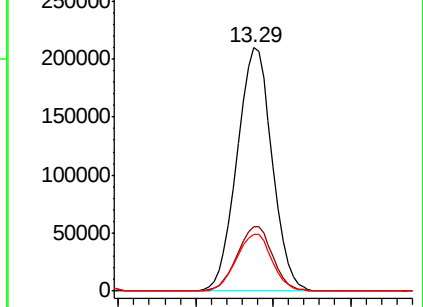
91 23.9 0.0 47.8

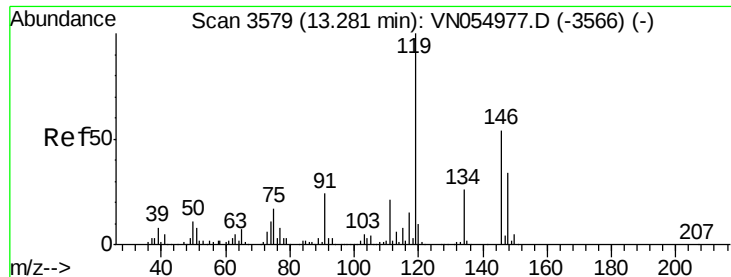


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

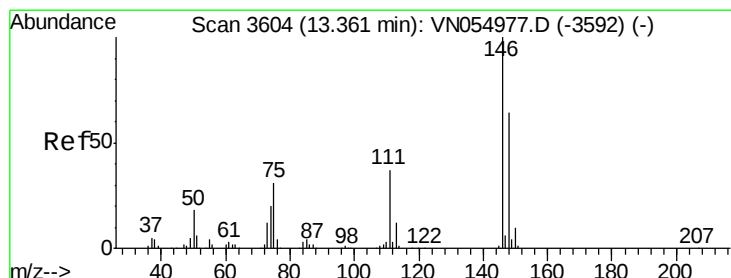
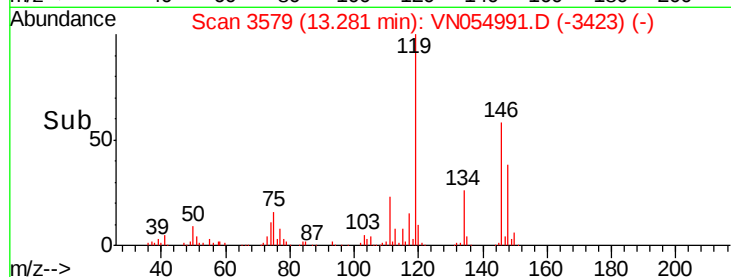
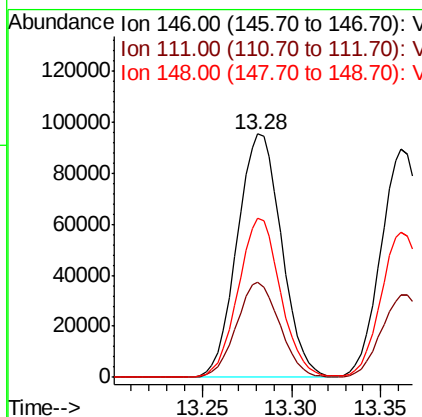
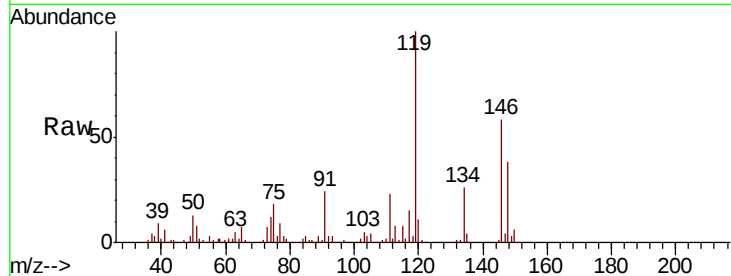




#83
 1,3-Dichlorobenzene
 Concen: 20.568 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

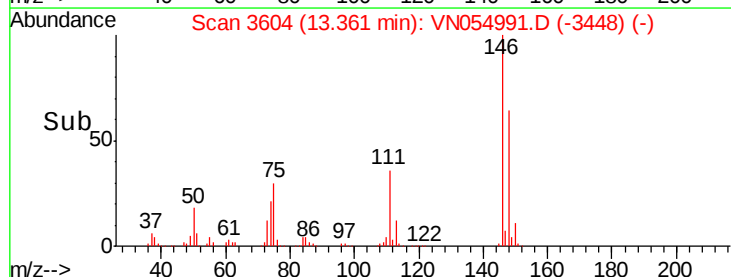
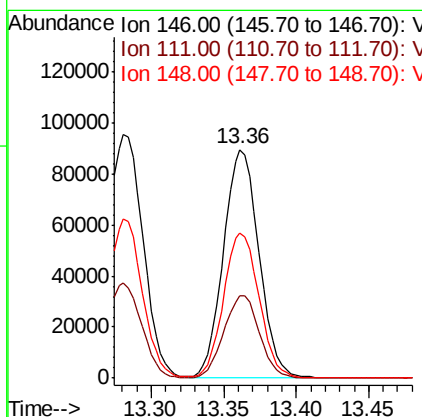
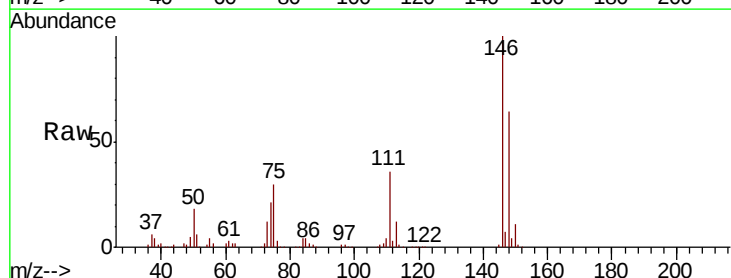
Instrument :
 MSVOA_N
 ClientSampleId :

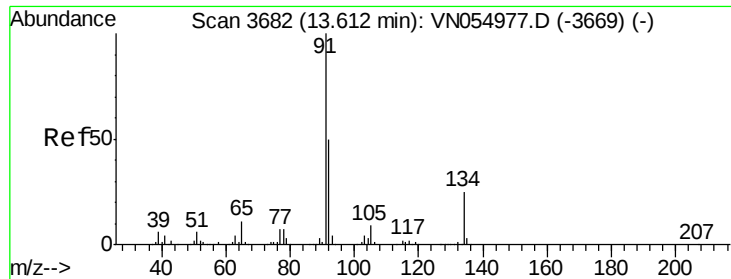
Tot Ion:146 Resp: 165925
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.1 57.5
 148 62.8 31.9 95.5



#84
 1,4-Dichlorobenzene
 Concen: 19.829 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Tgt Ion:146 Resp: 152012
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.4 55.2
 148 63.5 32.5 97.4

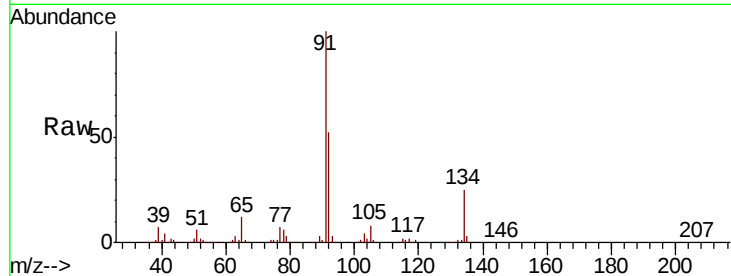




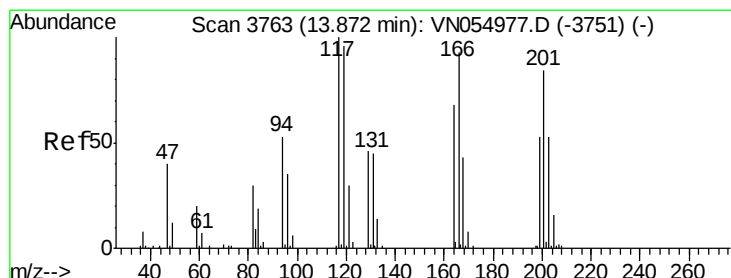
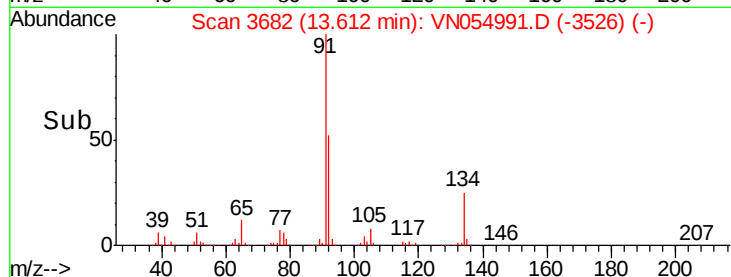
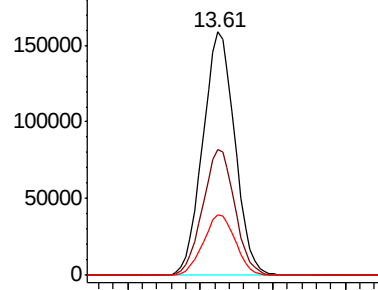
#85
n-Butylbenzene
Concen: 19.005 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 243634
Ion Ratio Lower Upper
91 100
92 51.4 0.0 101.4
134 24.9 0.0 49.8

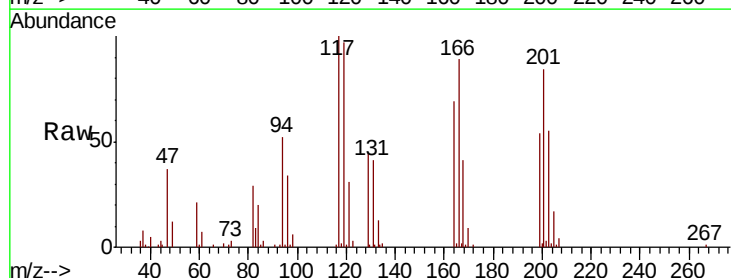


Abundance Ion 91.00 (90.70 to 91.70): VN054977.D (-3669) (-)
Ion 92.00 (91.70 to 92.70): VN054977.D (-3669) (-)
Ion 134.00 (133.70 to 134.70): VN054977.D (-3669) (-)

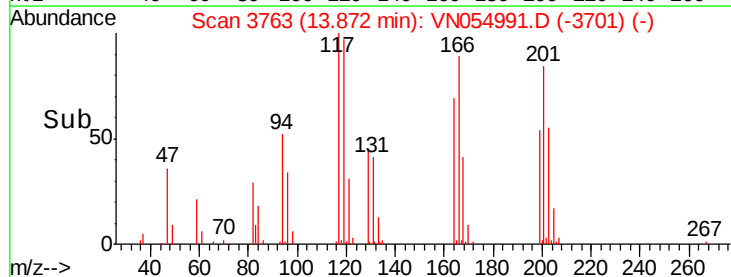
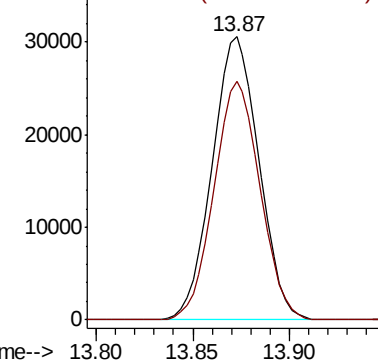


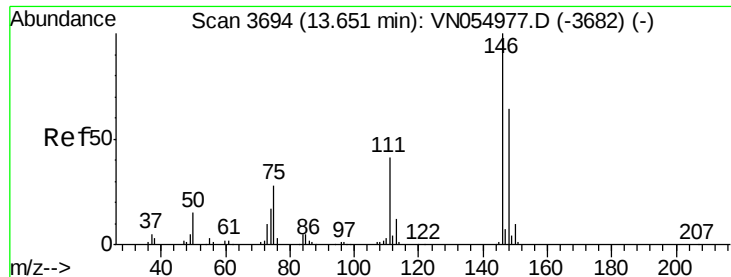
#86
Hexachloroethane
Concen: 19.976 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054991.D
Acq: 12 Apr 2019 10:44

Tgt Ion: 117 Resp: 51466
Ion Ratio Lower Upper
117 100
201 83.0 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) (-)

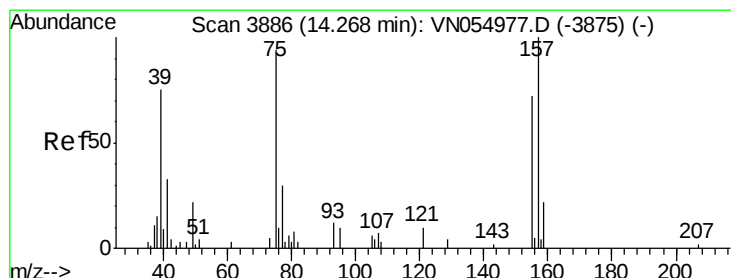
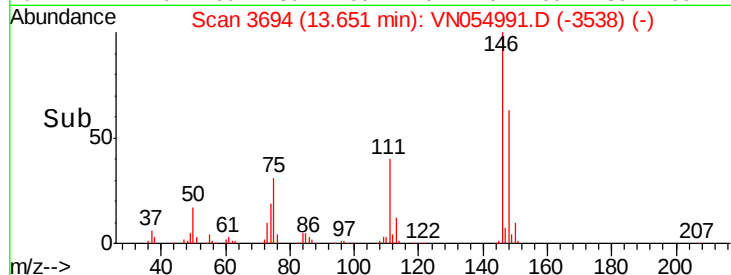
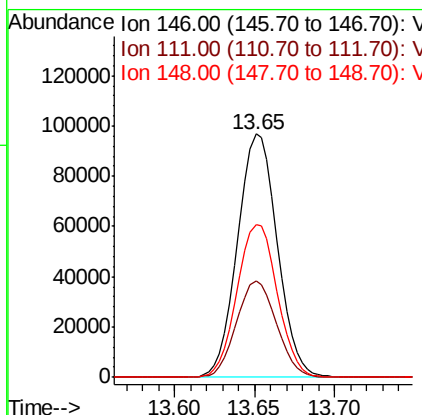
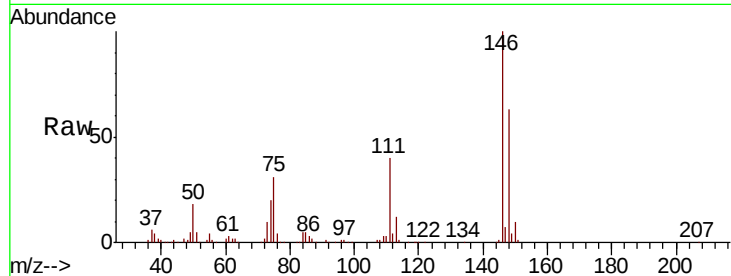




#87
 1,2-Dichlorobenzene
 Concen: 20.748 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

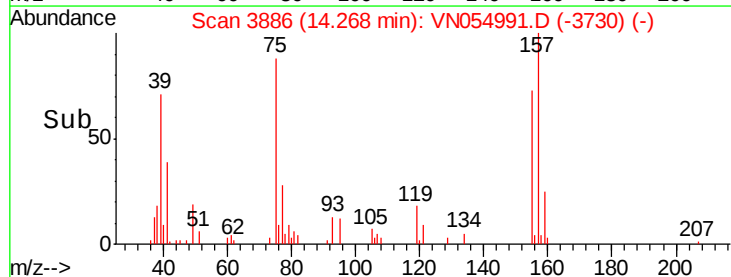
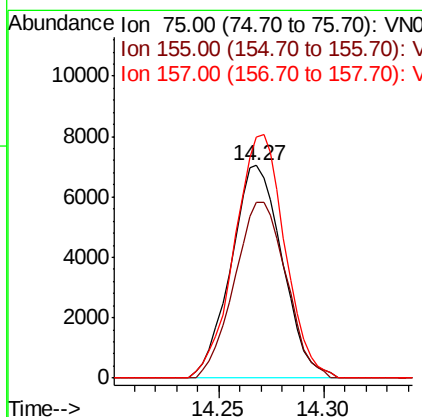
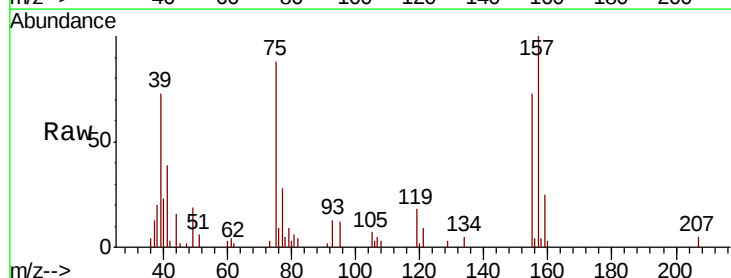
Instrument :
 MSVOA_N
 ClientSampleId :

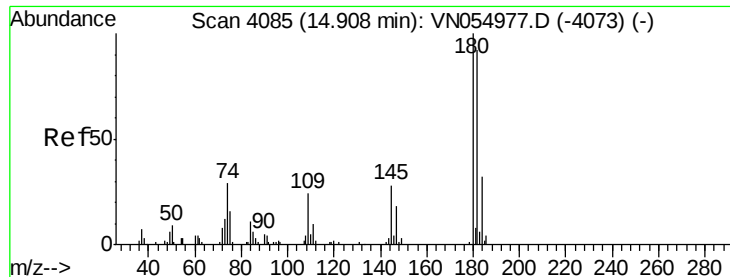
Tot Ion:146 Resp: 163916
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.3 60.8
 148 63.8 32.5 97.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.172 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Tgt Ion: 75 Resp: 11890
 Ion Ratio Lower Upper
 75 100
 155 83.5 61.8 92.8
 157 112.4 82.7 124.1

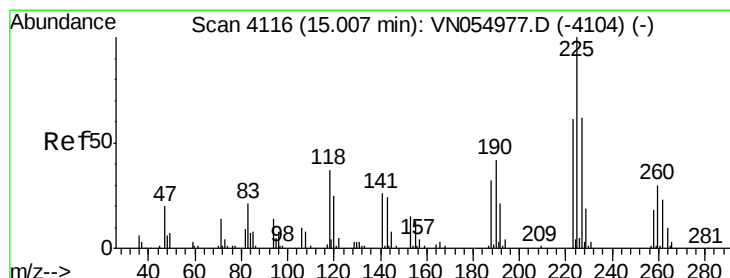
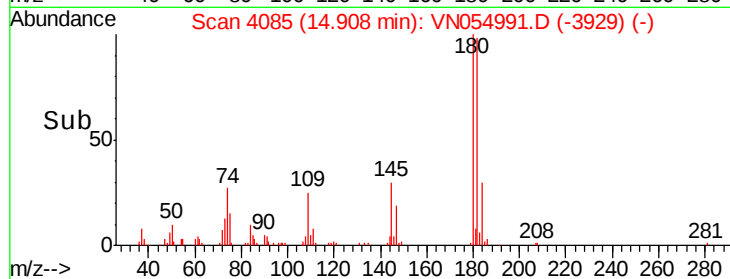
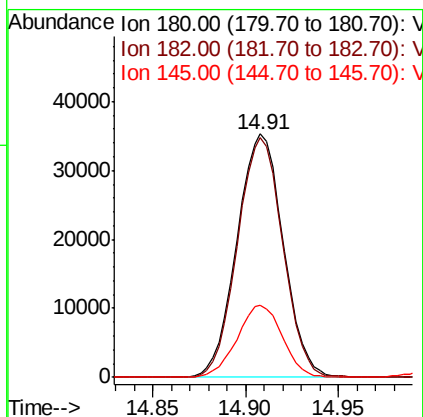
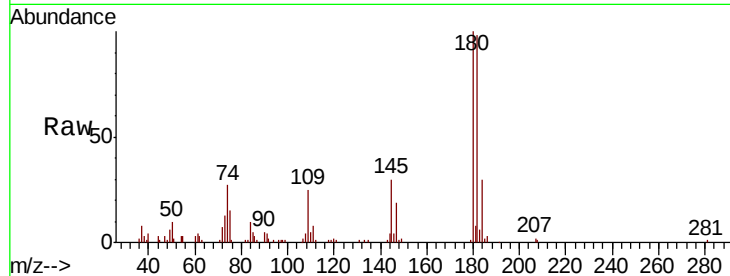




#89
 1,2,4-Trichlorobenzene
 Concen: 17.305 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

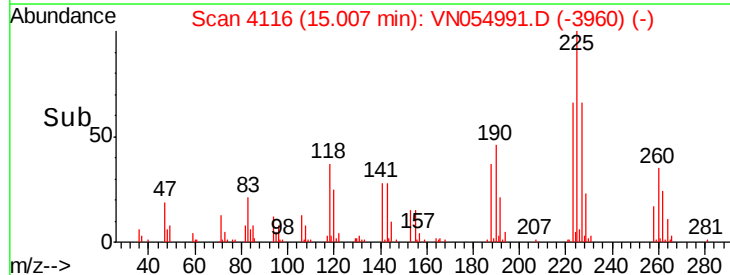
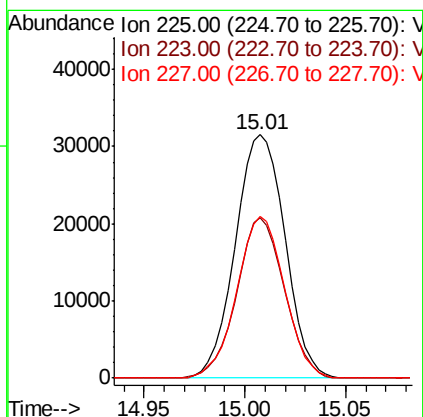
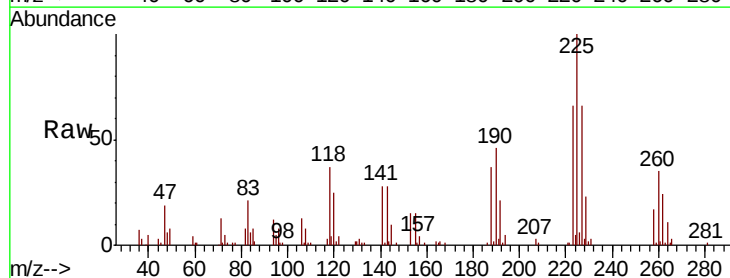
Instrument :
 MSVOA_N
 ClientSampleId :

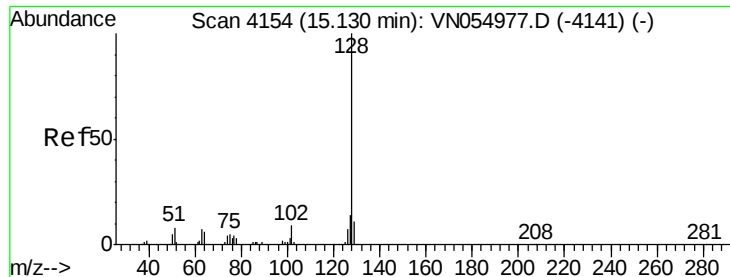
Tot Ion:180 Resp: 61124
 Ion Ratio Lower Upper
 180 100
 182 96.1 73.2 109.8
 145 28.8 23.2 34.8



#90
 Hexachlorobutadiene
 Concen: 21.132 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054991.D
 Acq: 12 Apr 2019 10:44

Tgt Ion:225 Resp: 54420
 Ion Ratio Lower Upper
 225 100
 223 63.0 0.0 126.0
 227 63.7 0.0 125.4





#91

Naphthalene

Concen: 16.811 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

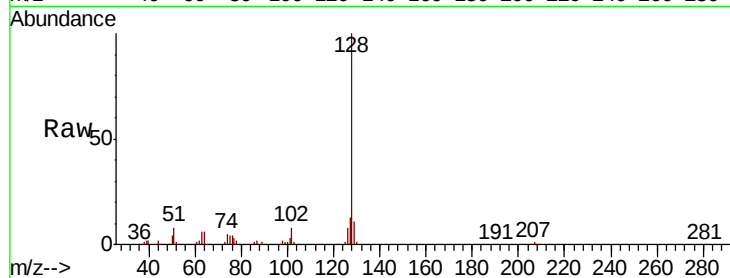
Tot Ion:128 Resp: 124329

Ion Ratio Lower Upper

128 100

127 12.4 10.6 15.8

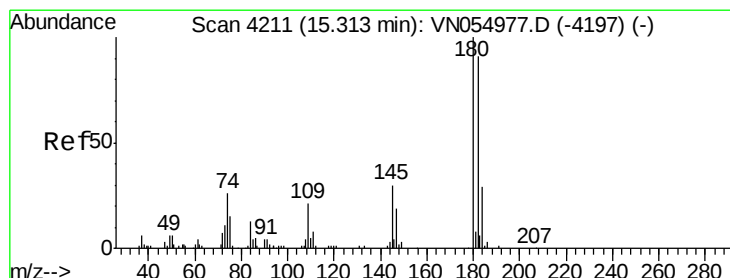
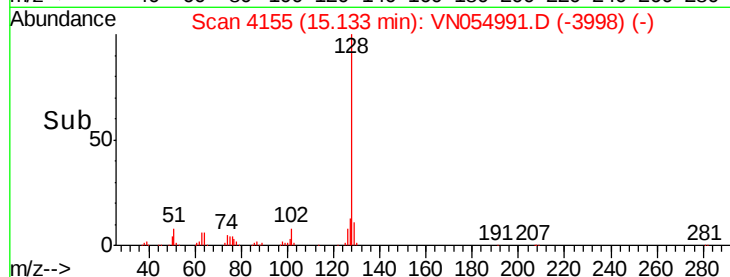
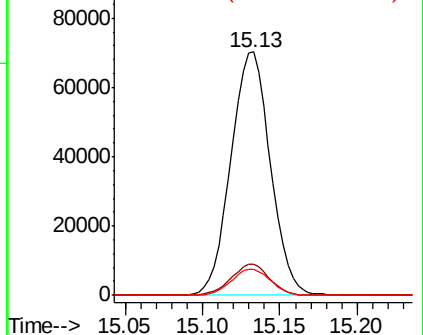
129 10.7 9.0 13.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 17.506 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054991.D

Acq: 12 Apr 2019 10:44

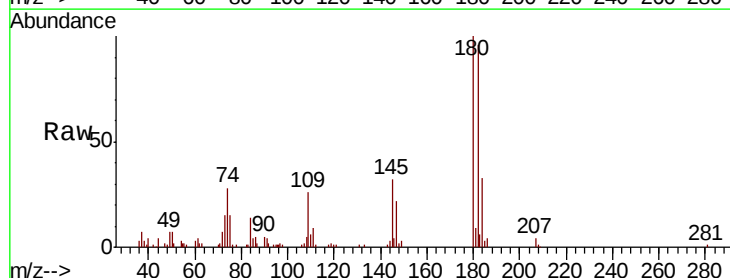
Tgt Ion:180 Resp: 61839

Ion Ratio Lower Upper

180 100

182 96.4 0.0 188.2

145 32.1 0.0 61.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

